

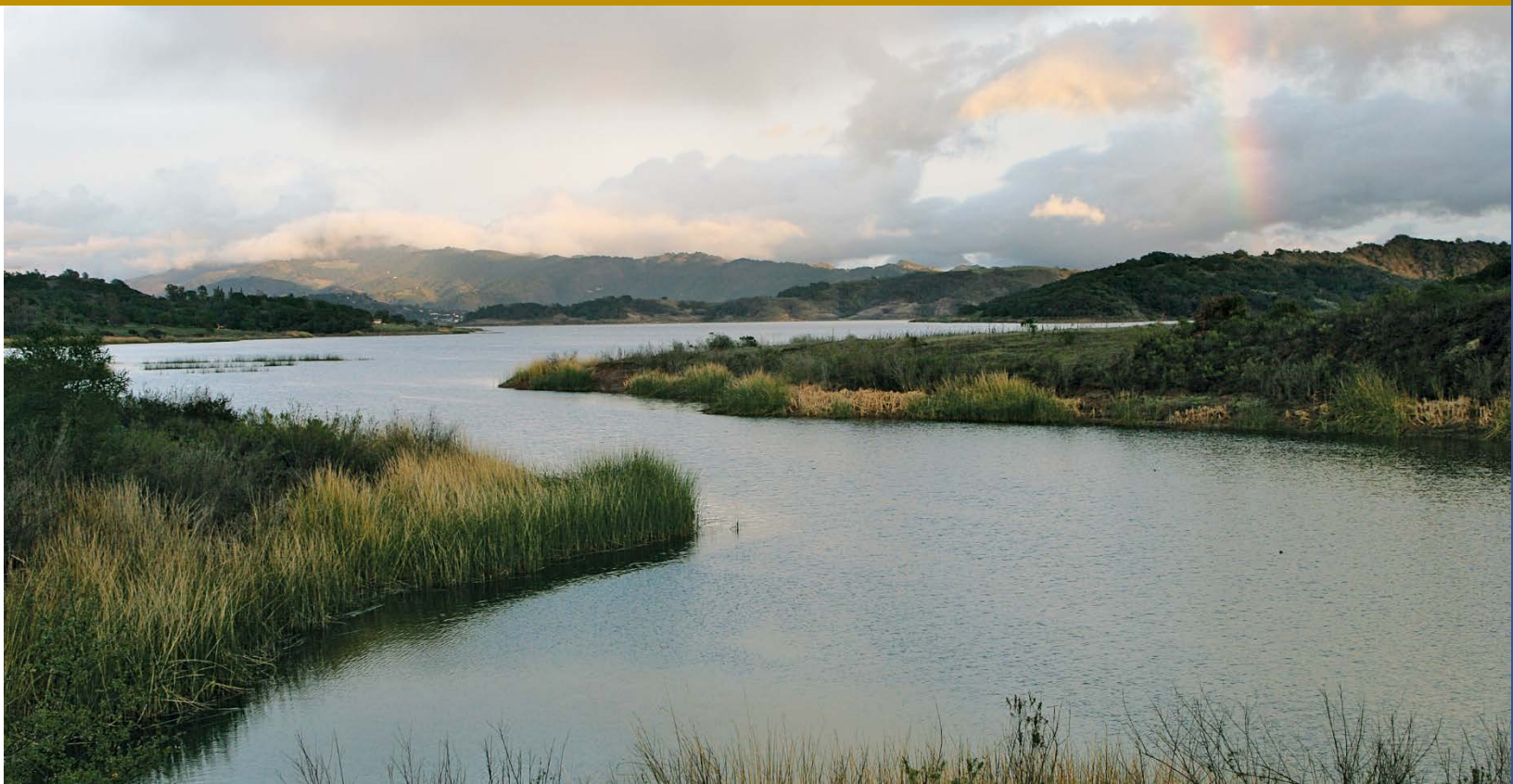


*Ventura Countywide
Stormwater Quality
Management Program*

2017-2018
Permit Year

Ventura Countywide Stormwater Quality
Management Program Annual Report

Attachment D Monitoring Appendices A - L



December 14, 2018

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

Appendix A: Major Outfall Station Fact Sheets

Camarillo

Waterbody: Camarillo Hills Drain (tributary to Revolon Slough)

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

Pros: Likely well-defined rating table

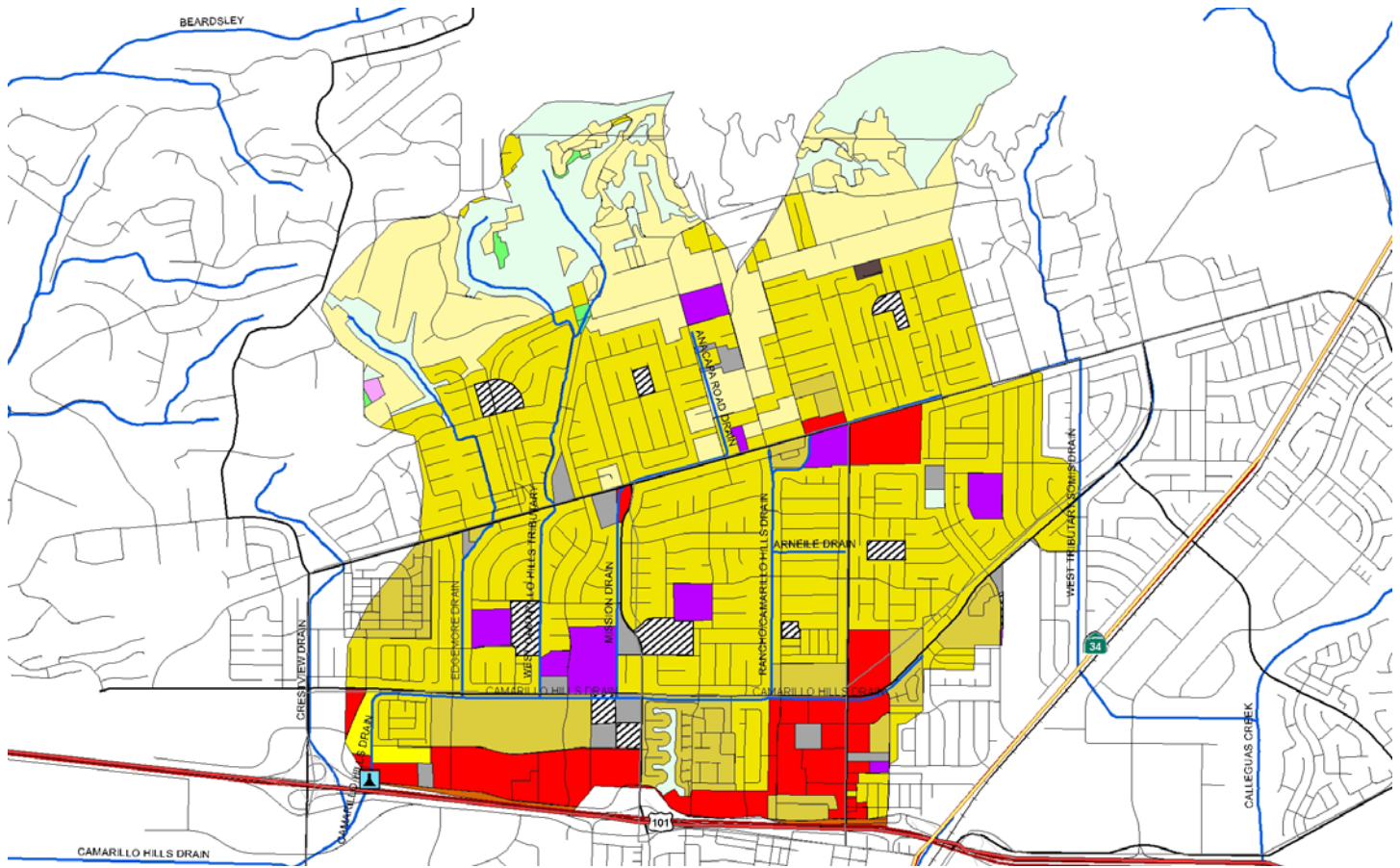
Cons: Moderate potential for vandalism

Outstanding Site Selection Tasks: None

Other Potential Sites: None

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





Entire City

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

Selected Subwatershed

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

Fillmore

Waterbody: North Fillmore Drain (tributary to Sespe Creek)

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

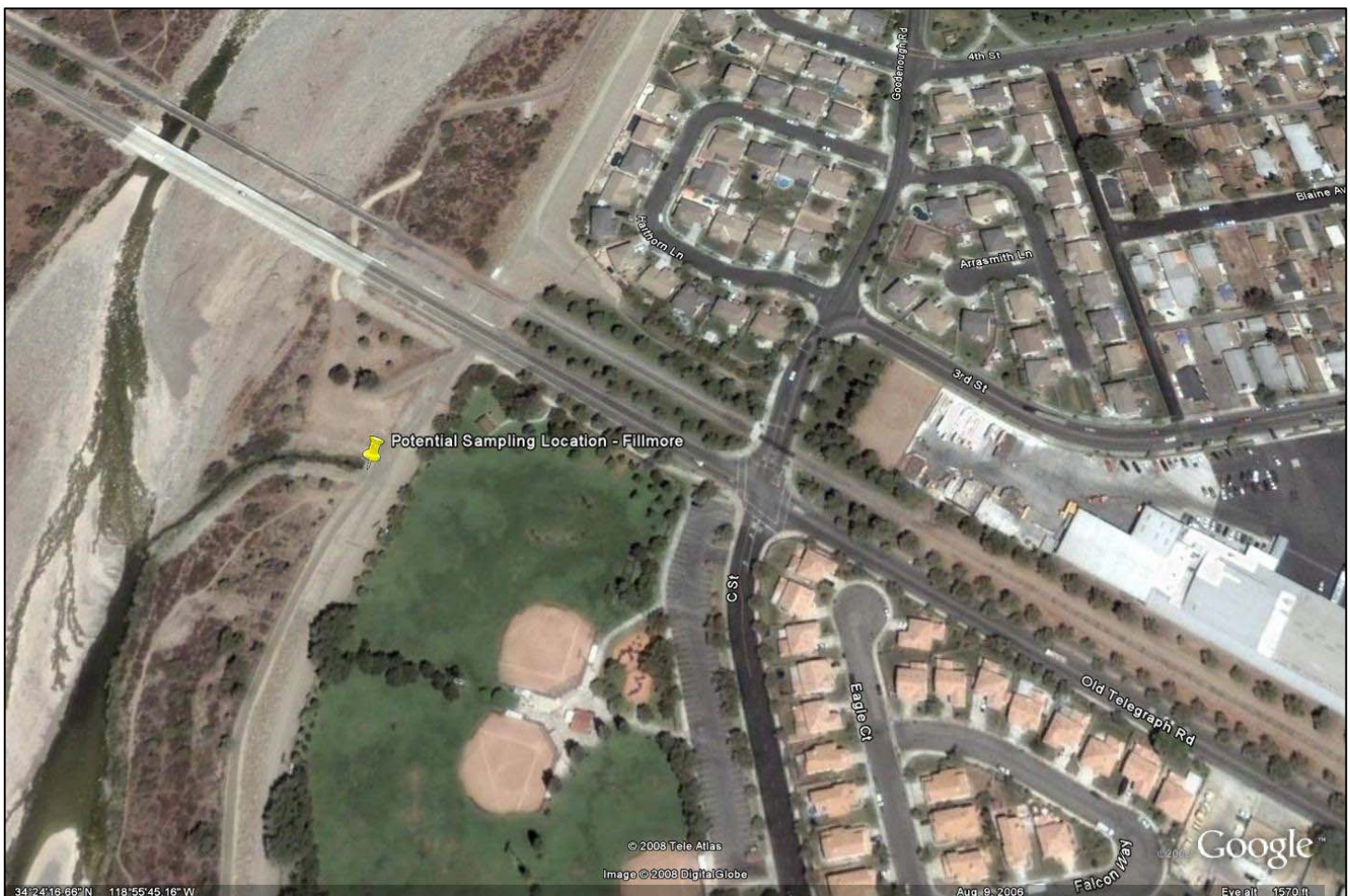
Pros: Some portion of vegetation could be cleared by City of Fillmore

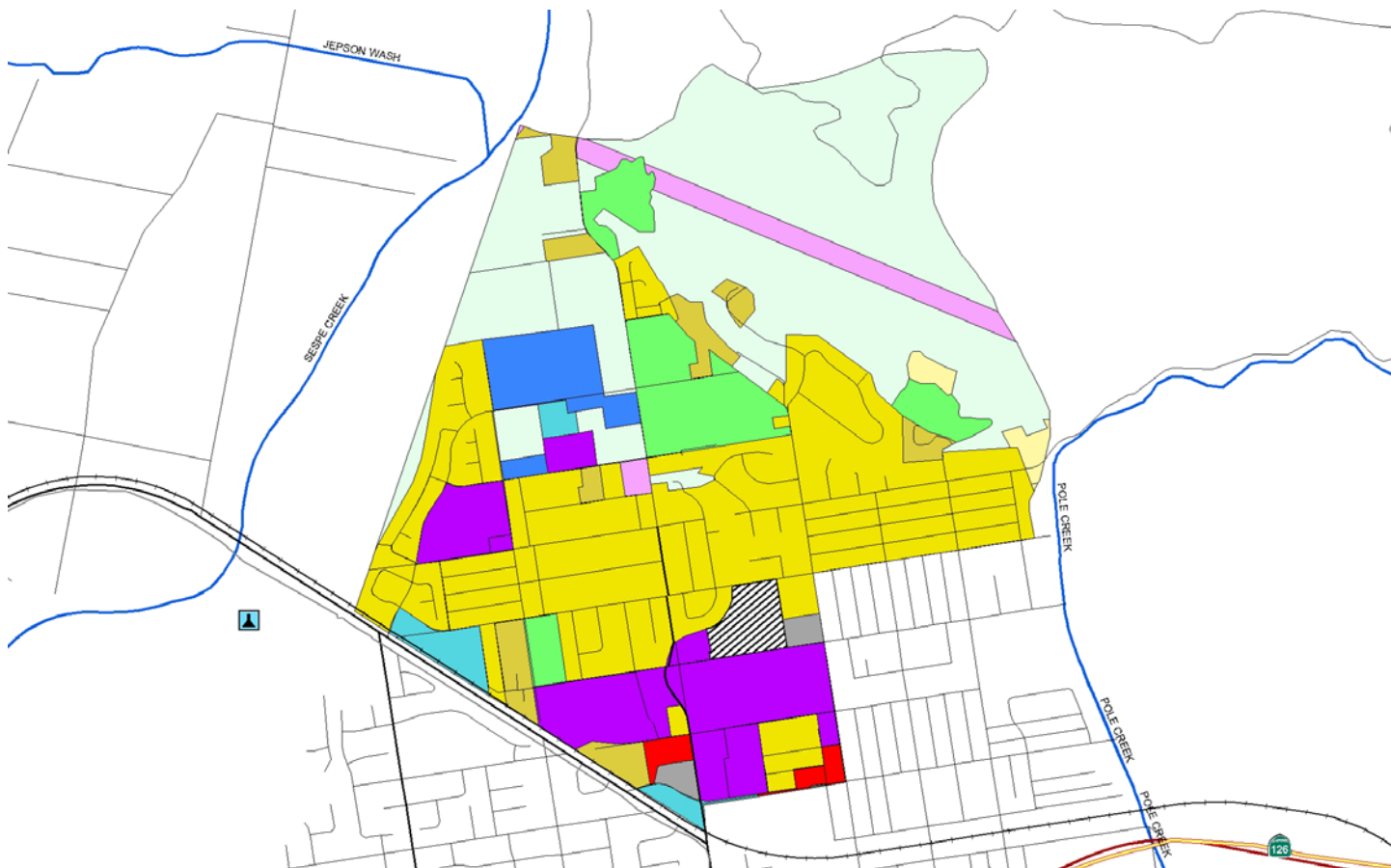
Cons: Potential for vandalism

Outstanding Site Selection Tasks: None

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

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





Entire City

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

Selected Subwatershed

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

Meiners Oaks (Unincorporated)

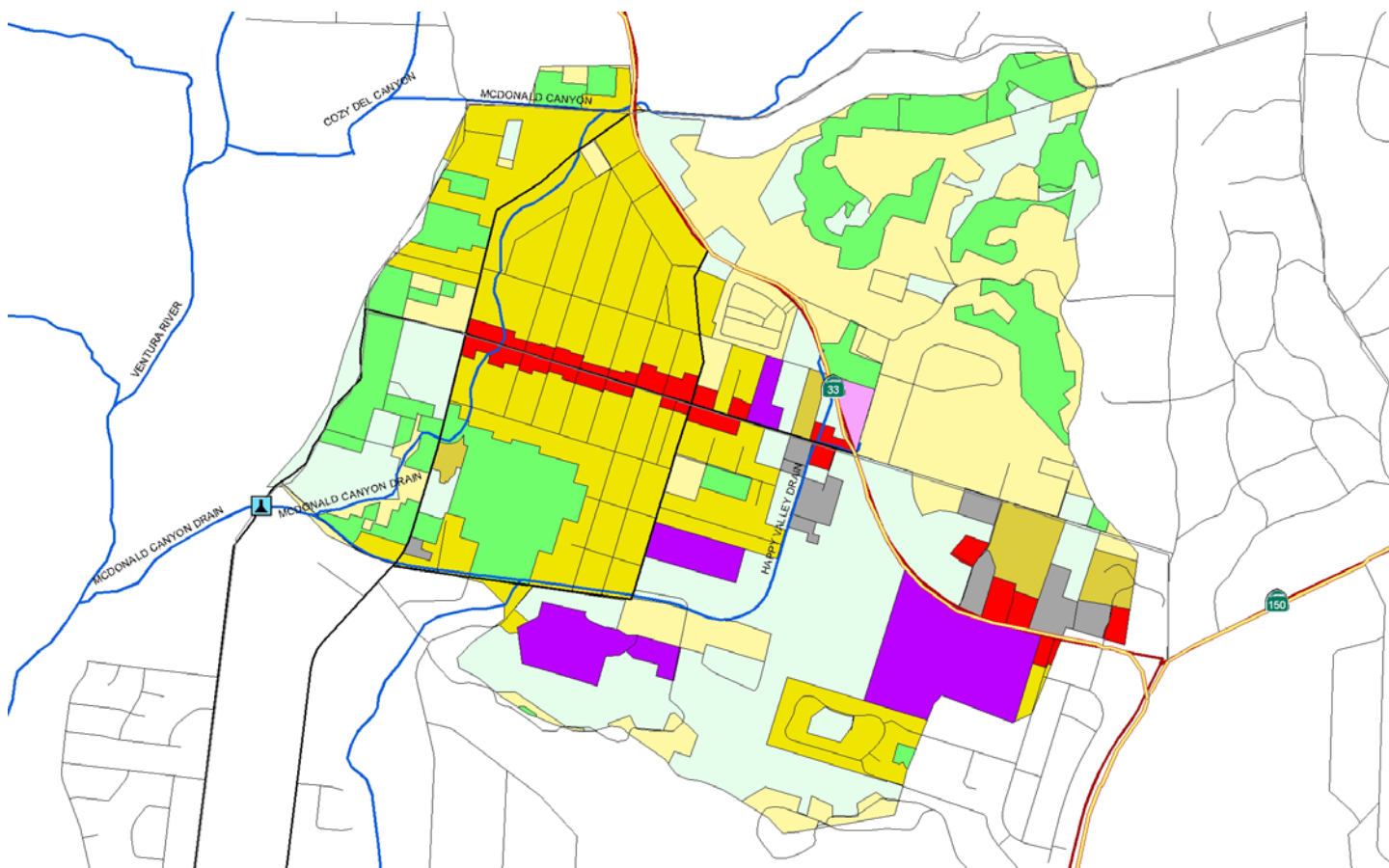
Waterbody: Happy Valley Drain (tributary to Ventura River)

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

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

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





Entire City

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

Selected Subwatershed

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

Moorpark

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

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

Pros: Likely well-defined rating table

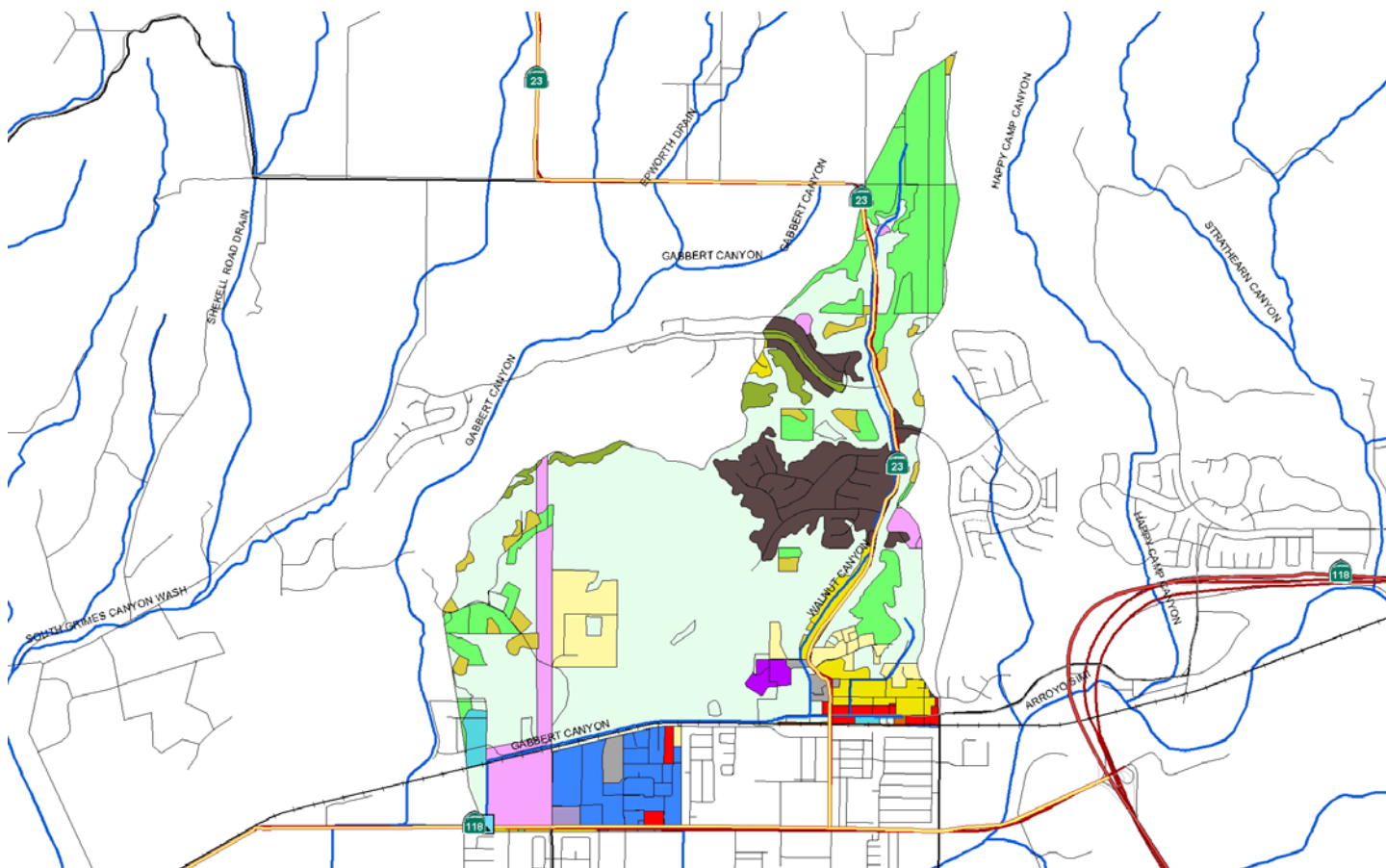
Cons: Aerial deposition from vehicular traffic on 118, potential for vandalism

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

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

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





Entire City

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

Selected Subwatershed

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

Ojai

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

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

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

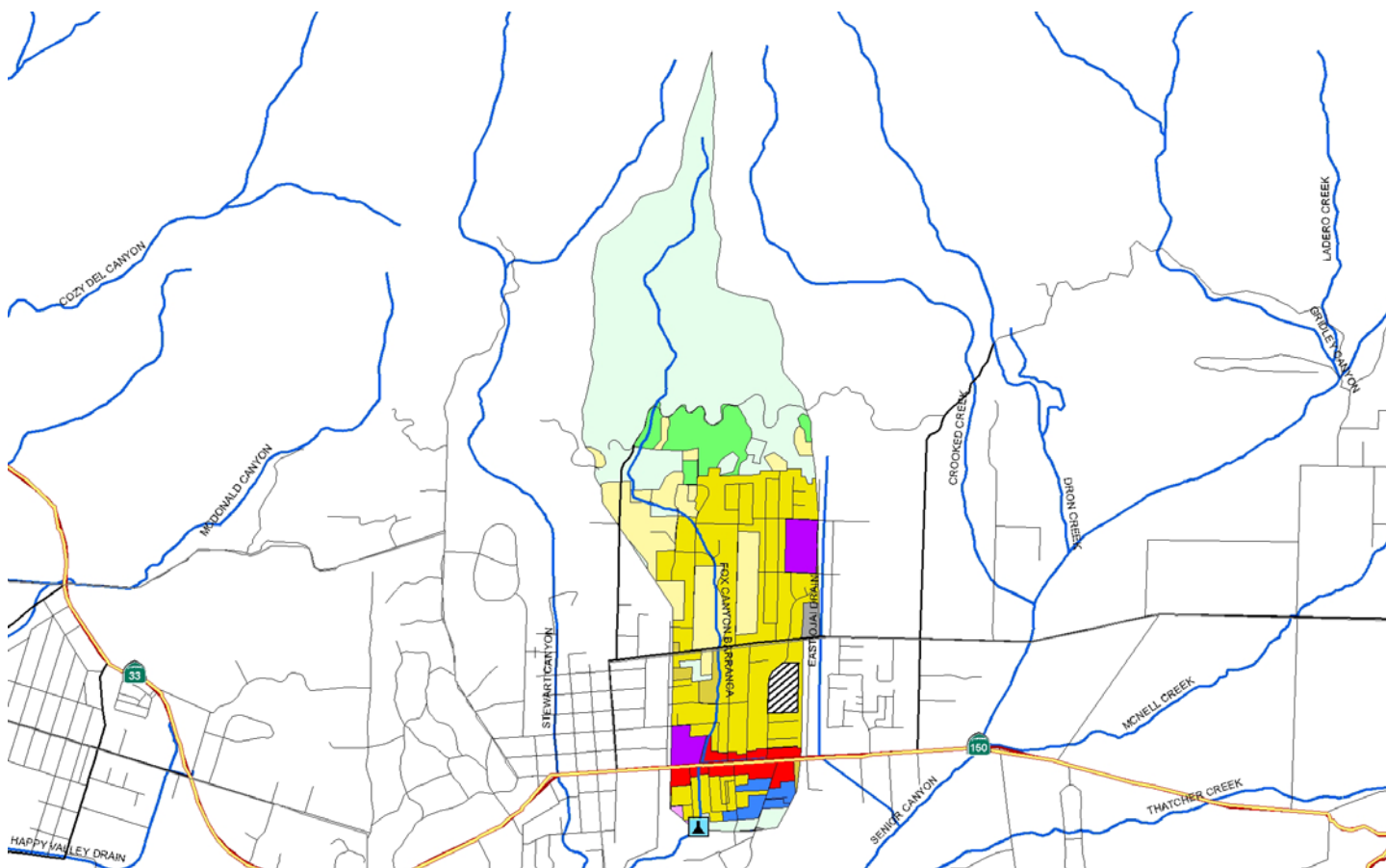
Cons: Some potential for vandalism

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

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

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





Entire Watershed

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

Selected Subwatershed

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

Oxnard

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

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

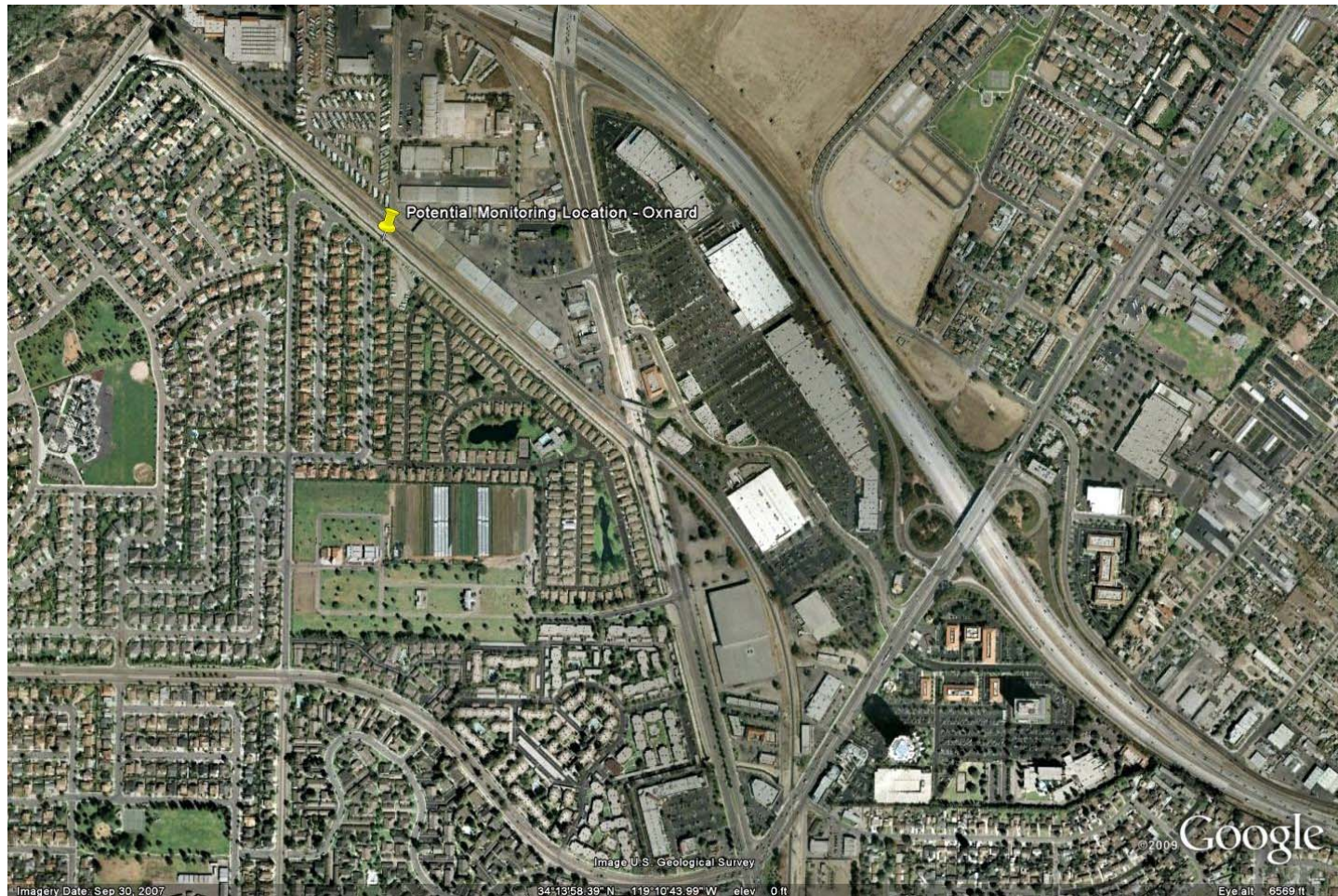
Pros: Likely well-defined rating table

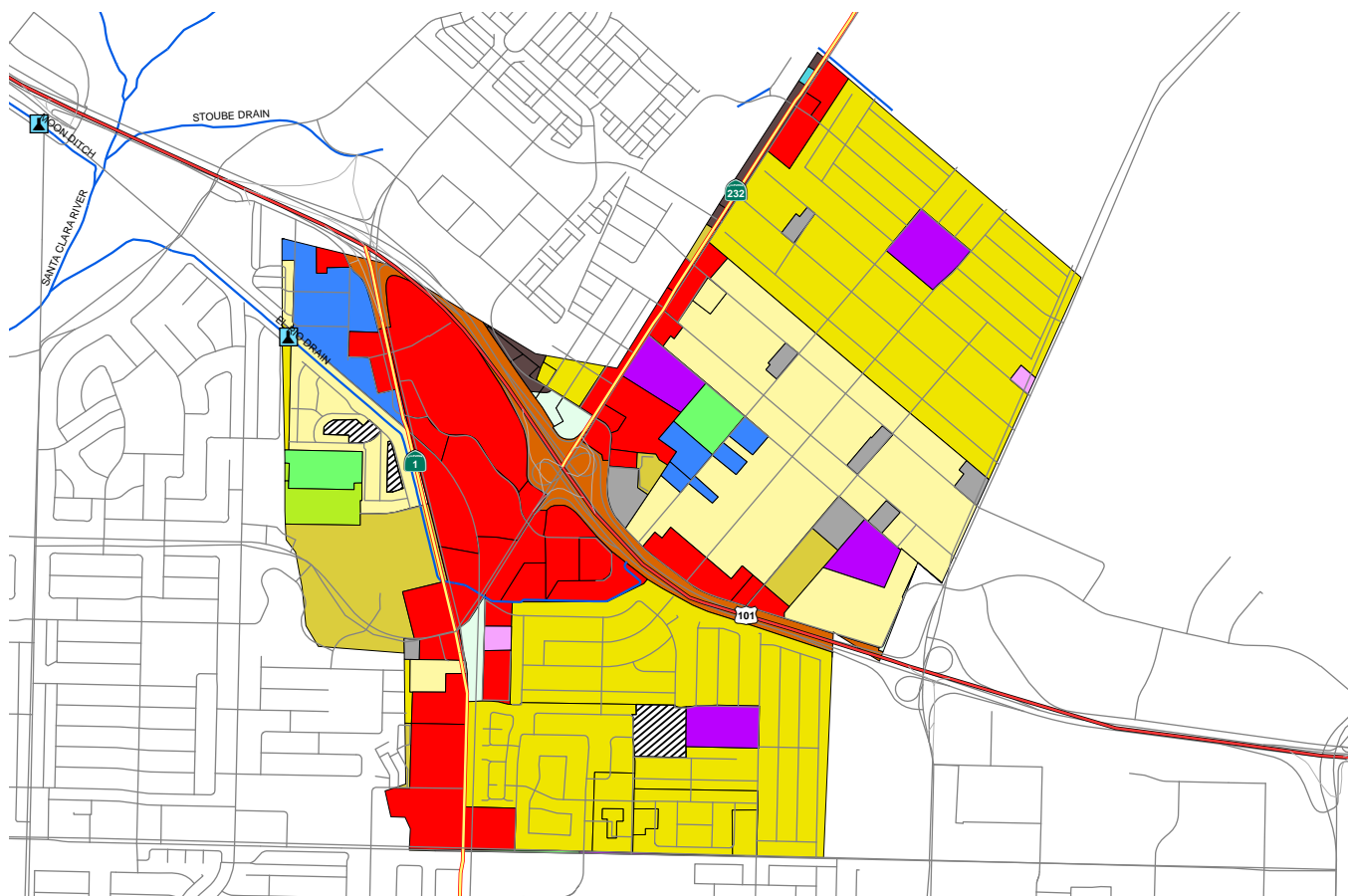
Cons: High potential for vandalism

Outstanding Site Selection Tasks: None

Other Potential Sites: None

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





Entire City

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

Selected Subwatershed

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

Port Hueneme

Waterbody: Hueneme Drain (tributary to Pacific Ocean)

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

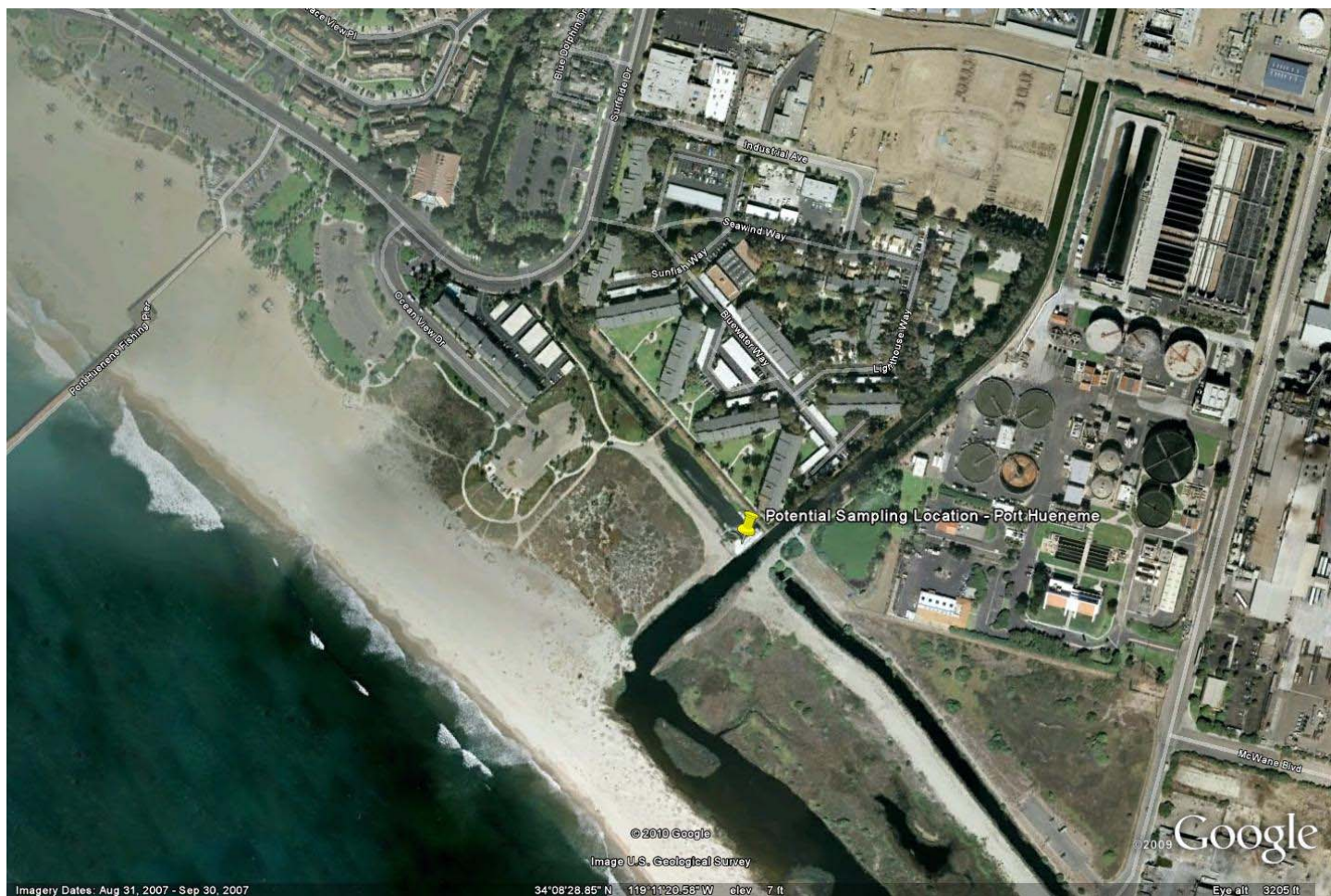
Pros: Grass-covered sides fairly stable

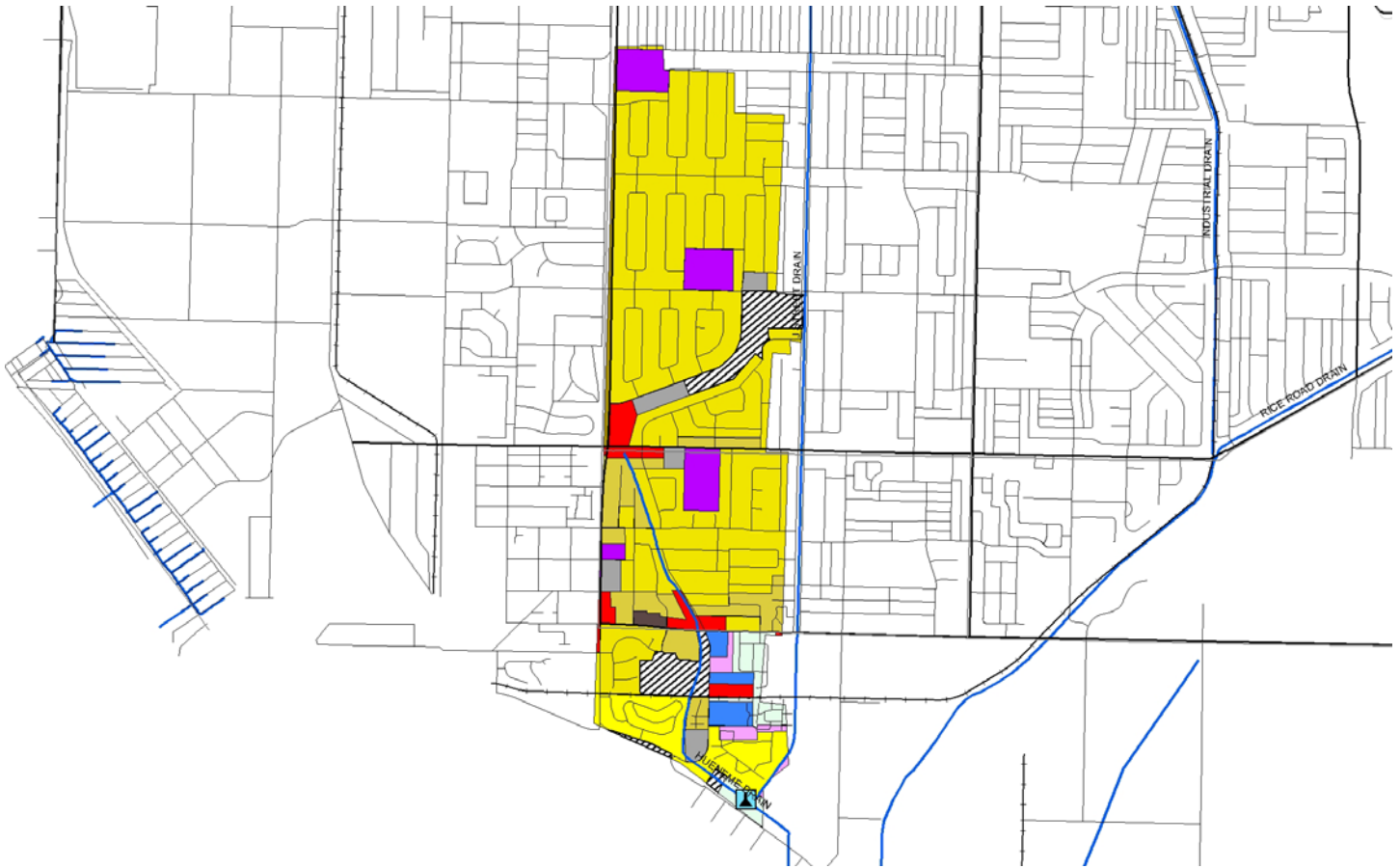
Cons: Lots of activity nearby, high potential for vandalism, stagnant water

Outstanding Site Selection Tasks: Verify positive flow

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

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





Entire City

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

Selected Subwatershed

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

Santa Paula

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

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

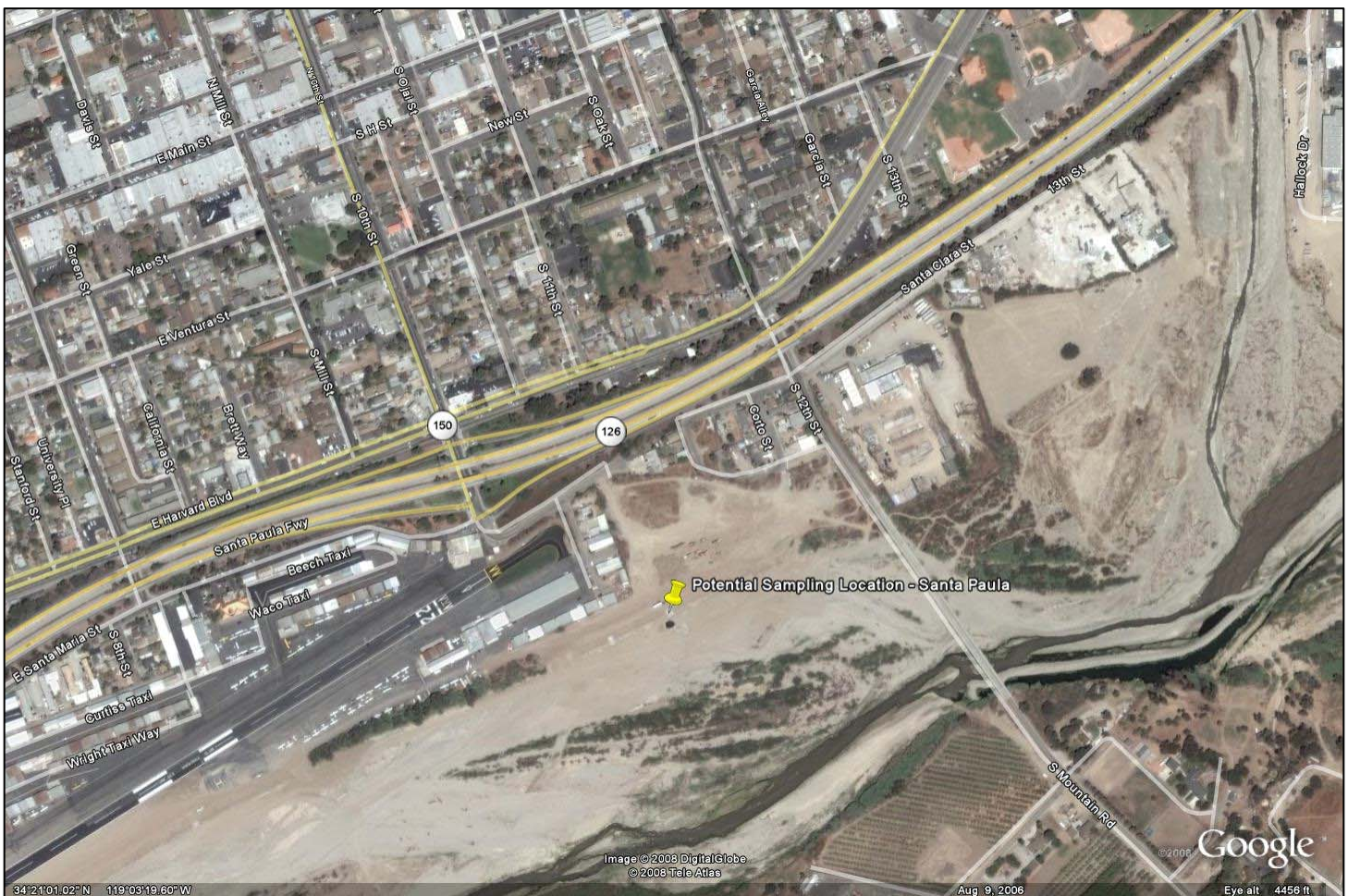
Pros: Excellent flat pad on top of outfall for sampling equipment

Cons: High potential for vandalism

Outstanding Site Selection Tasks: None

Other Potential Sites: None

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





Entire City

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

Selected Subwatershed

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

Simi Valley

Waterbody: Bus Canyon Drain (tributary to Arroyo Simi)

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

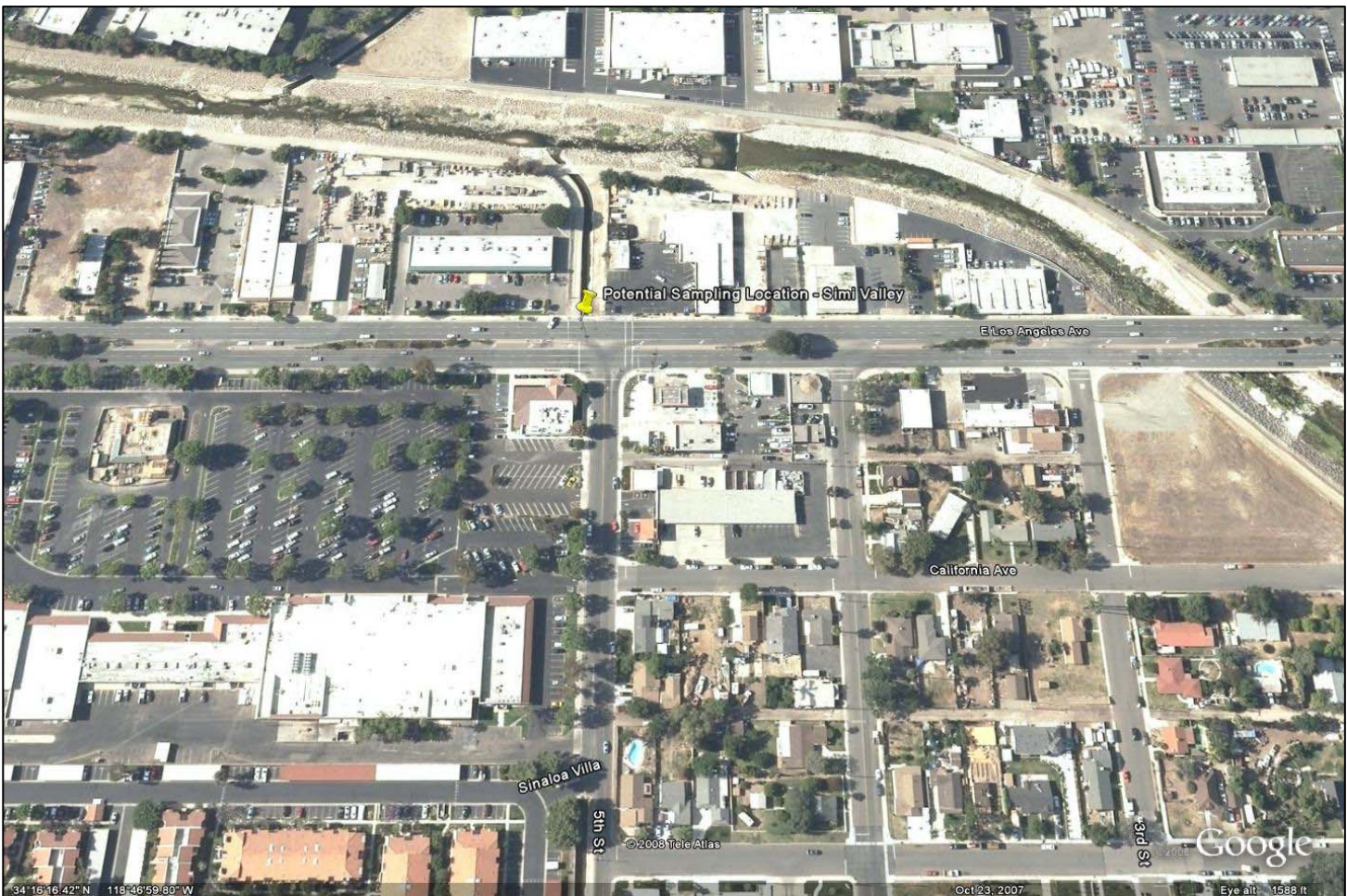
Pros: Likely well-defined rating table, located behind VCWPD gate

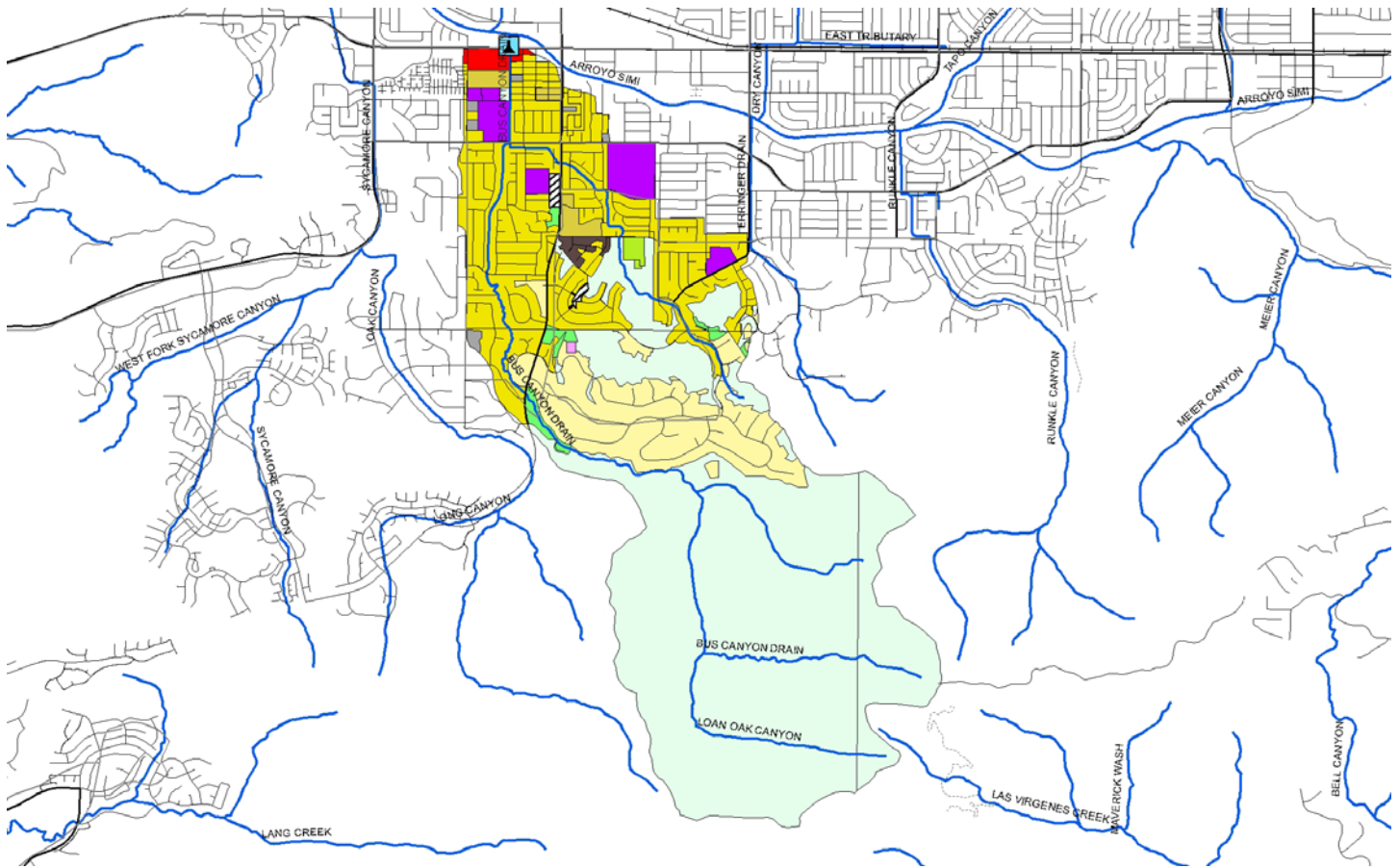
Cons: Pedestrian traffic on levee nearby

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

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

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





Entire City

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

Selected Subwatershed

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

Thousand Oaks

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

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

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

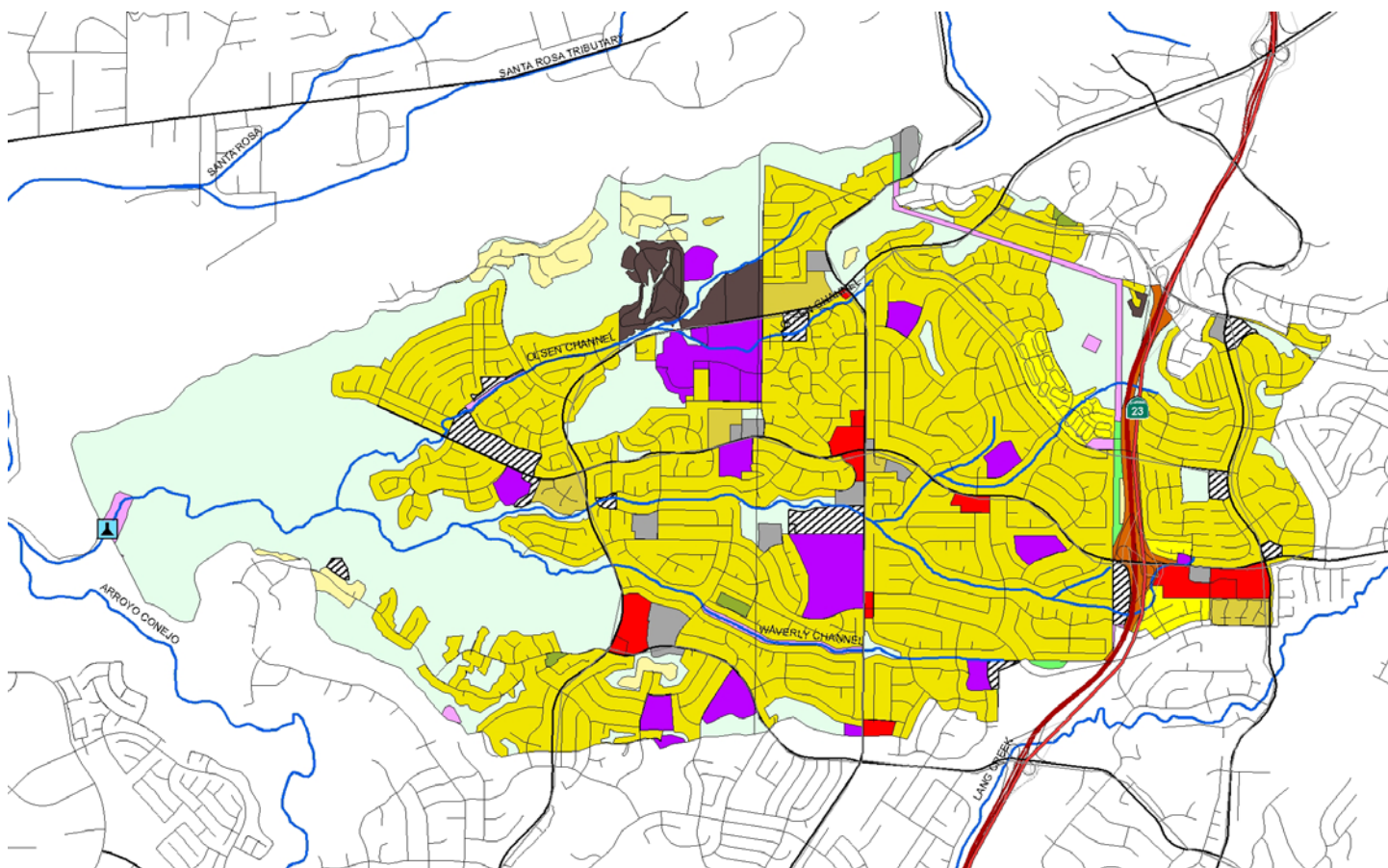
Cons: Late-night access to WWTP could present problem

Outstanding Site Selection Tasks: None

Other Potential Sites: None

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





Entire City

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

Selected Subwatershed

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

Ventura

Waterbody: Moon Ditch (tributary to Santa Clara River)

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

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

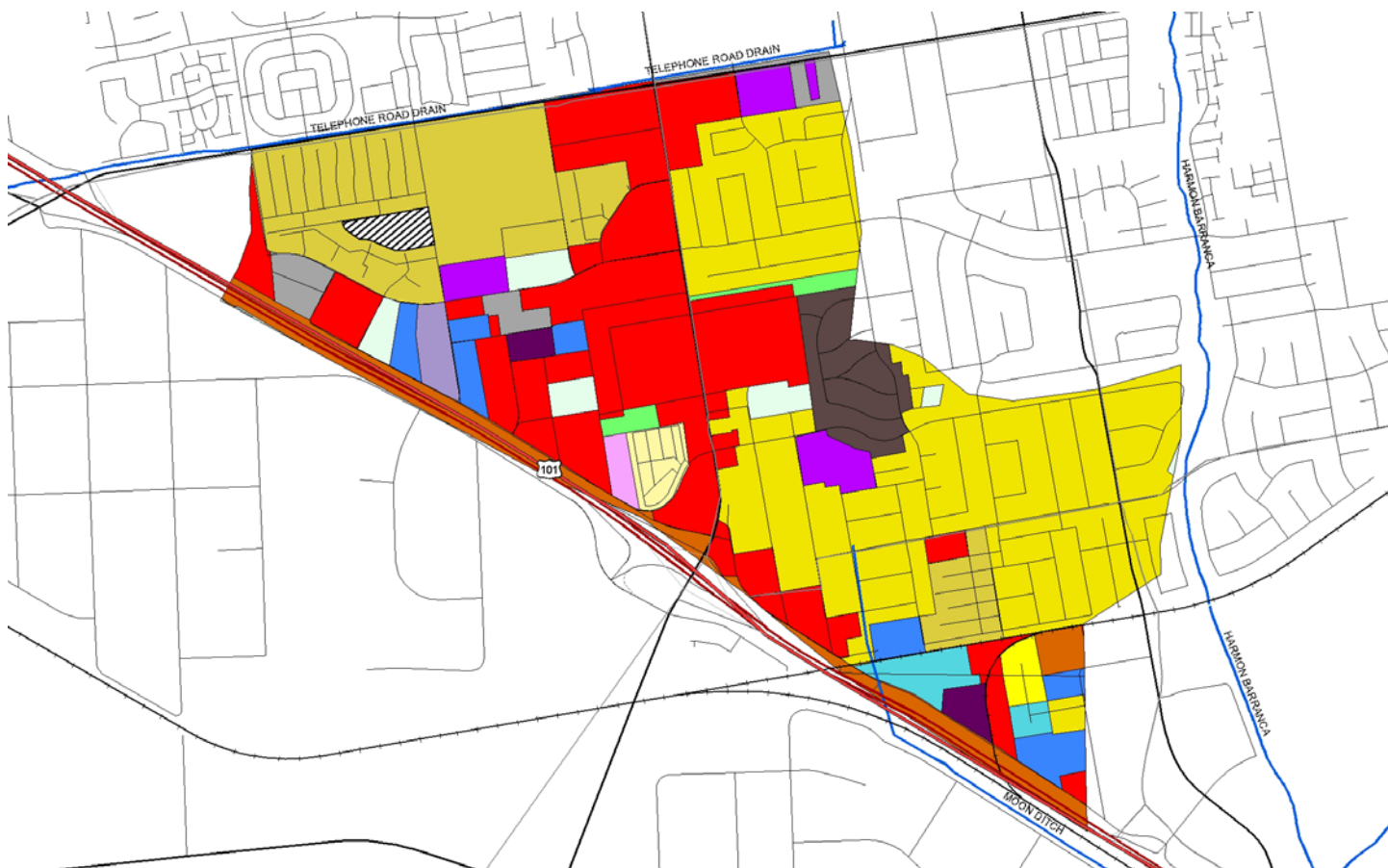
Cons: Wide concrete bottom will spread out low flows, placement of intake somewhat difficult

Outstanding Site Selection Tasks: None

Other Potential Sites: None

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





Entire City

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

Selected Subwatershed

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

Appendix B. Event Hydrographs

ME-CC

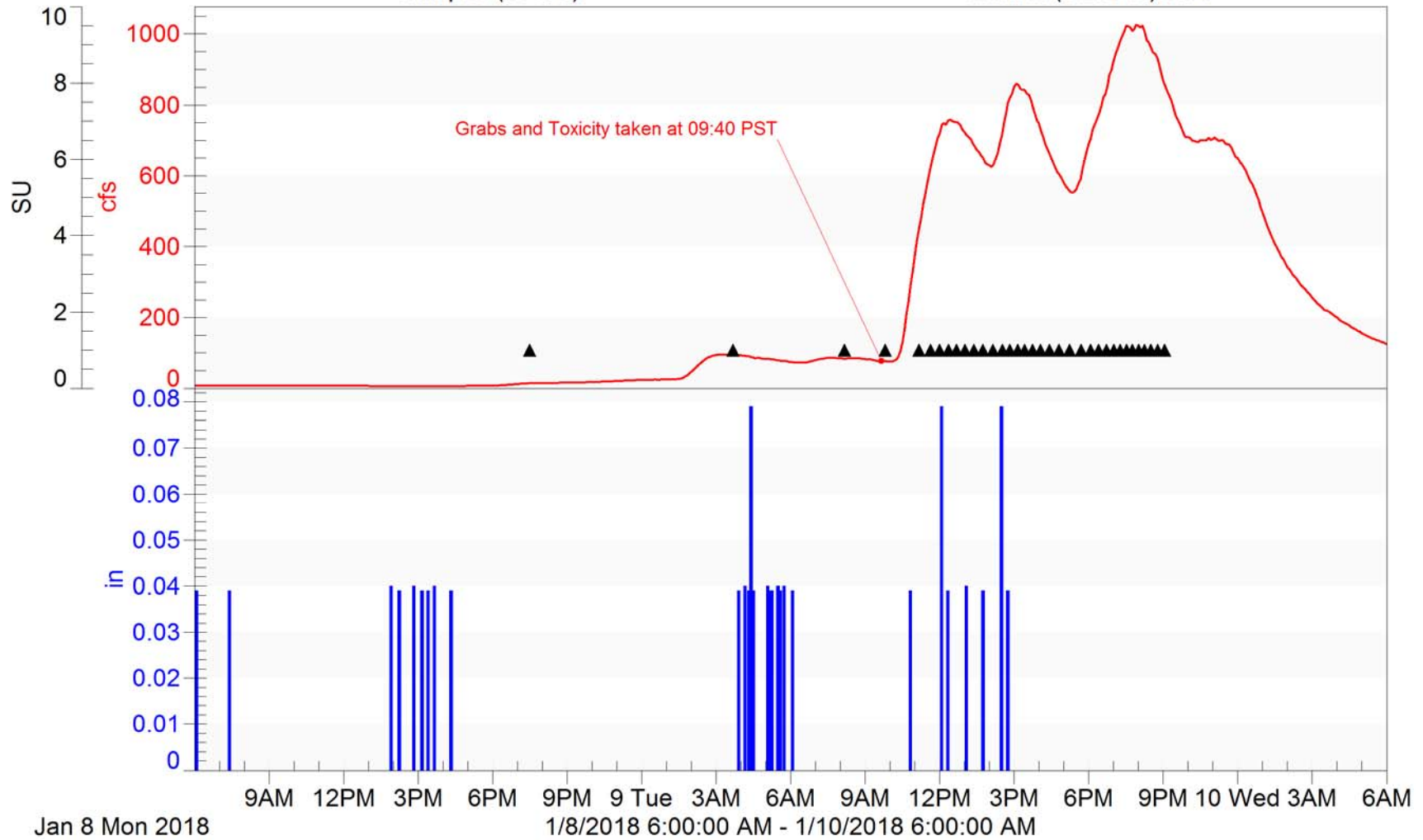
2017/18 NPDES Event 1 (Wet)

Flow Rate (45356100 cf):6.94

USGS Flow Rate (0.000 cf):

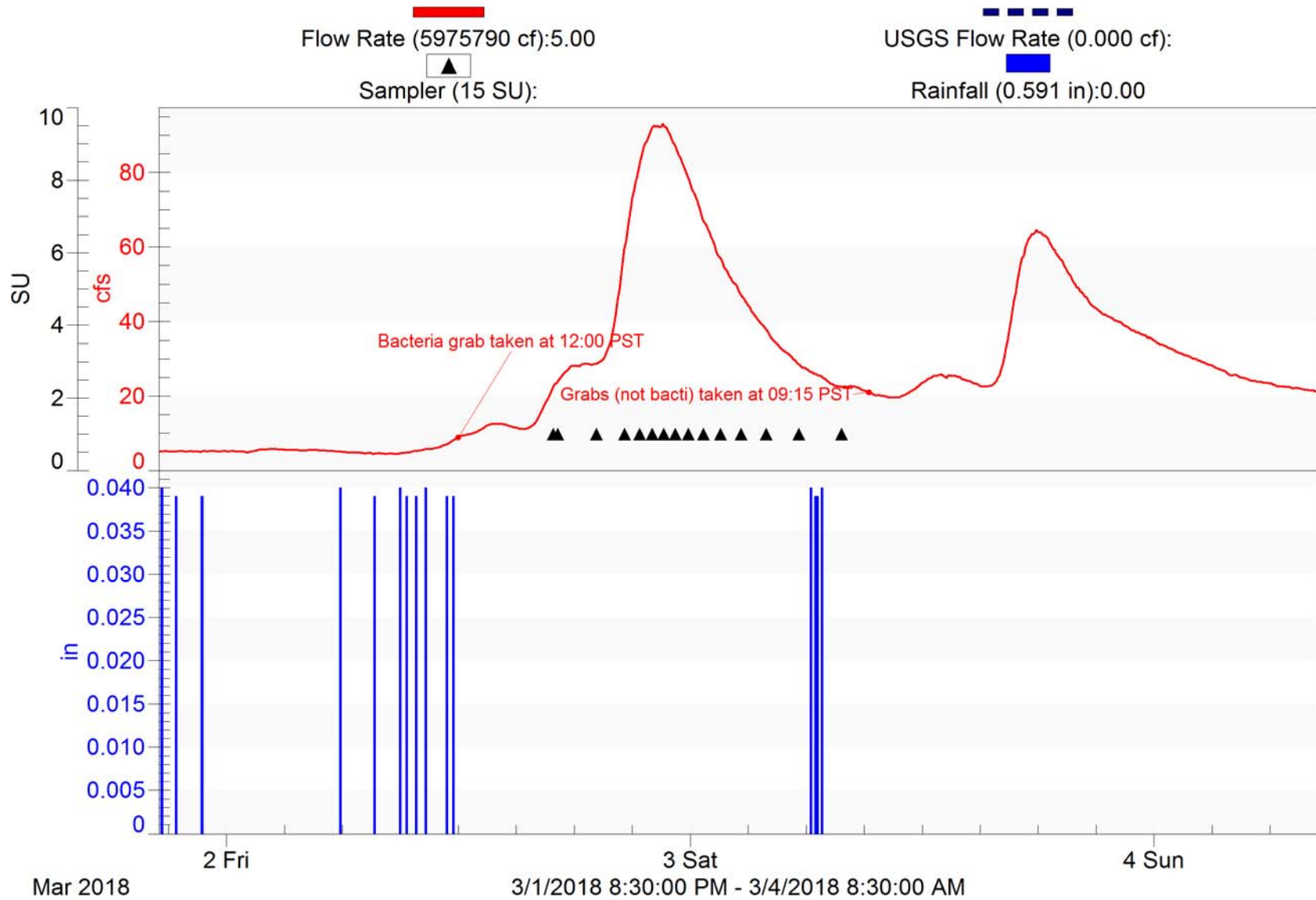
Sampler (35 SU):

Rainfall (1.220 in):0.00



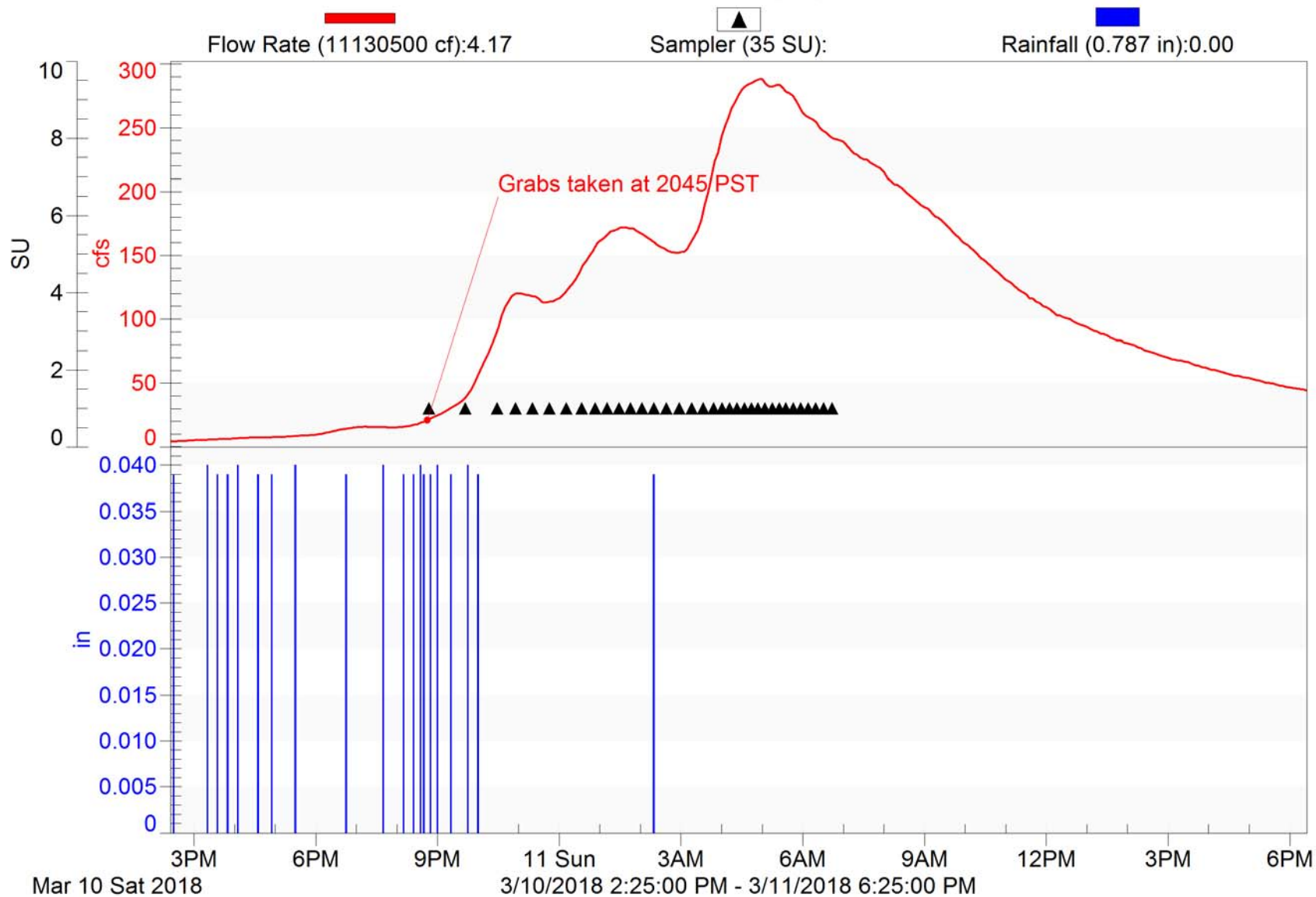
ME-CC

2017/18 NPDES Event 2 (Wet)

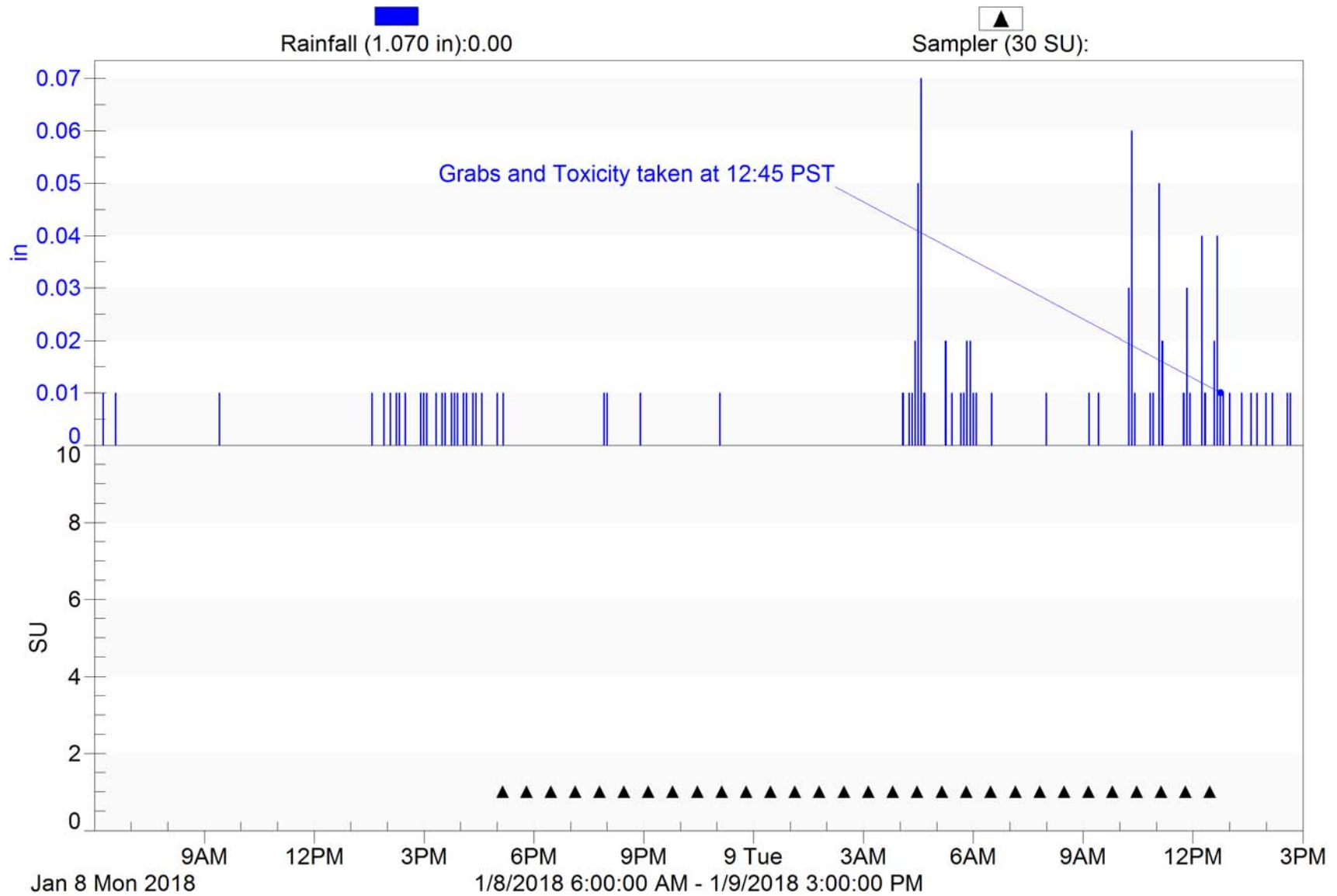


ME-CC

2017/18 NPDES Event 3 (Wet)

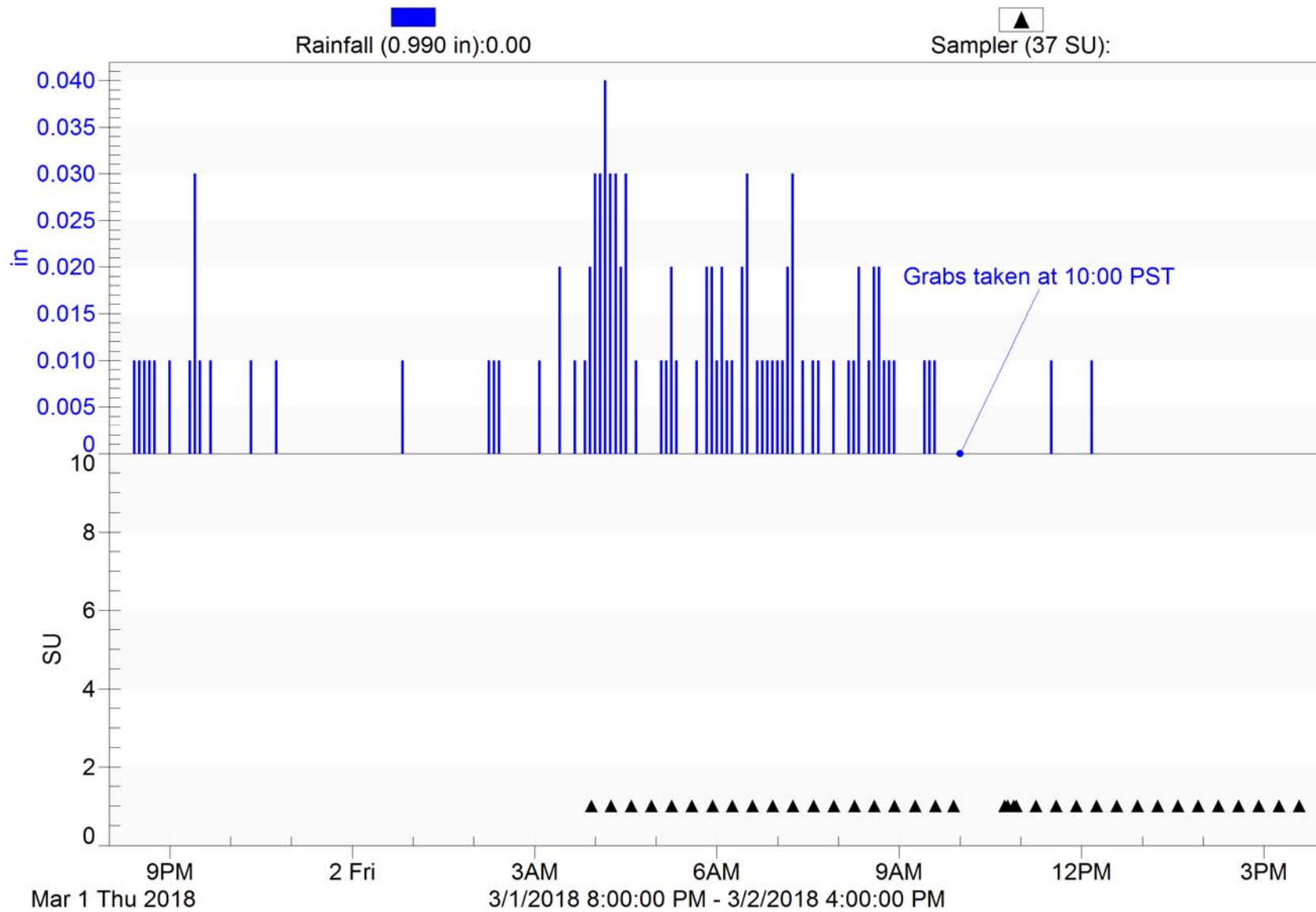


ME-SCR
2017/18 NPDES Event #1 (Wet)



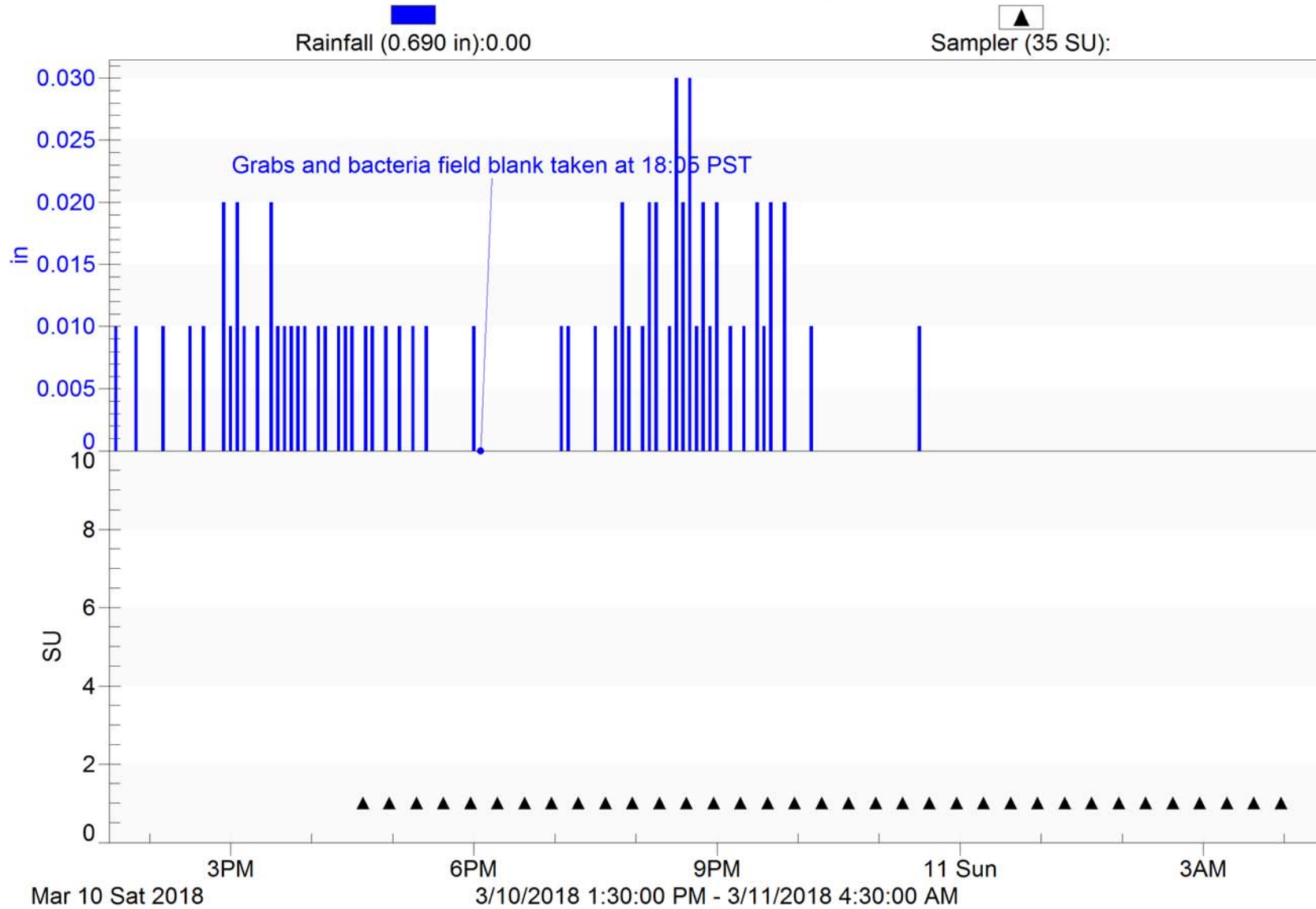
ME-SCR

2017/18 NPDES Event #2 (Wet)



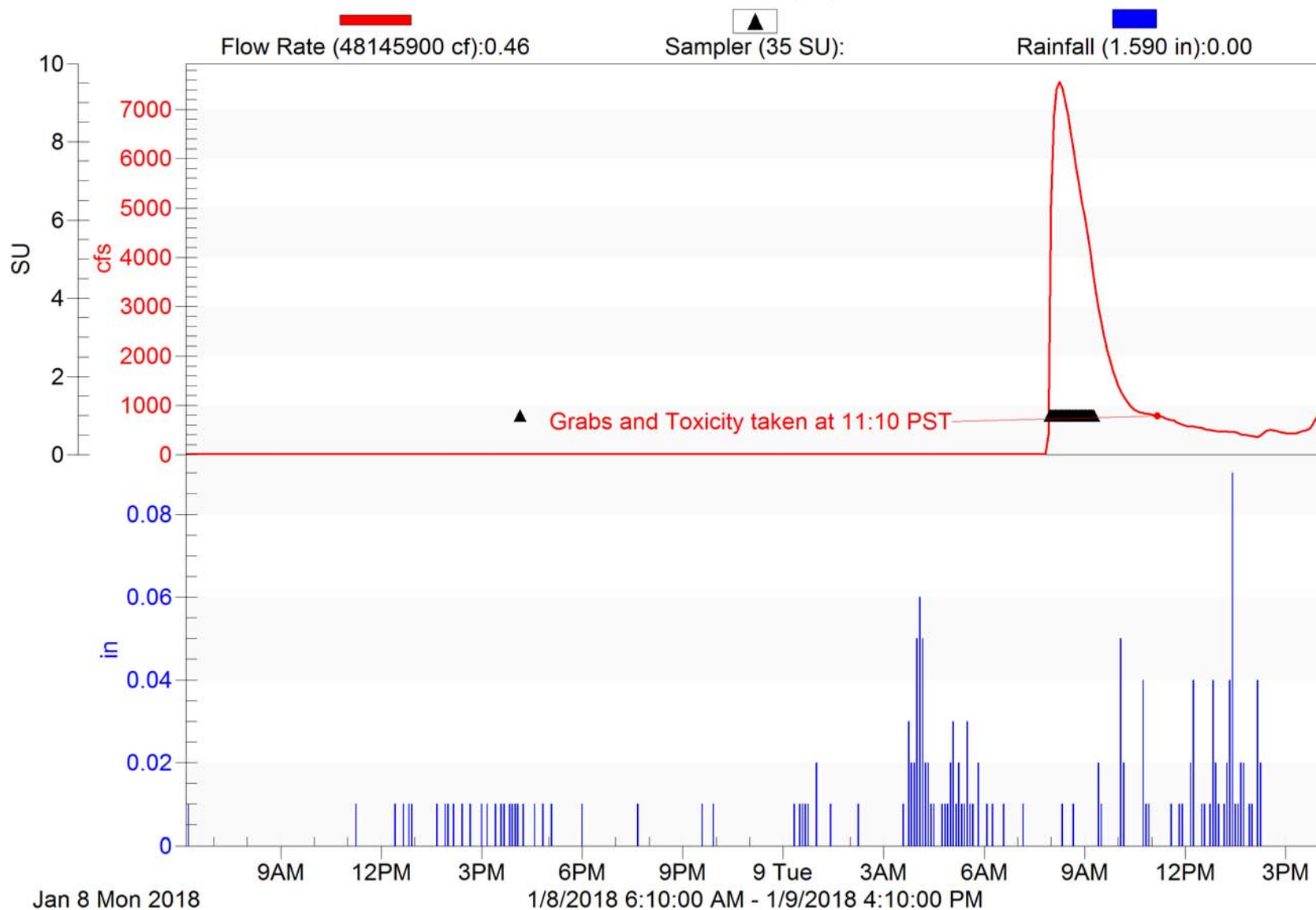
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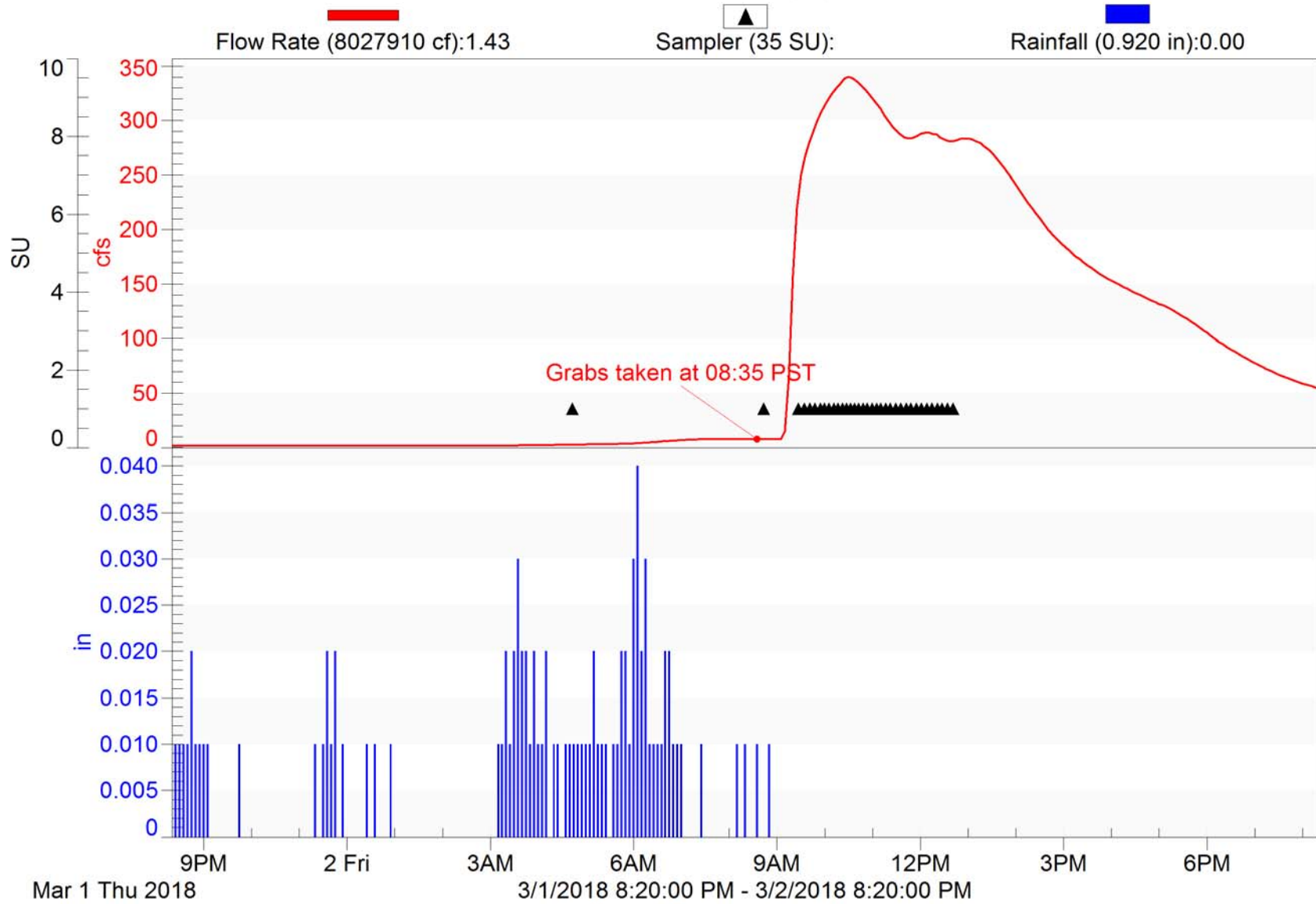
ME-VR2

2017/18 NPDES Event #1 (Wet)



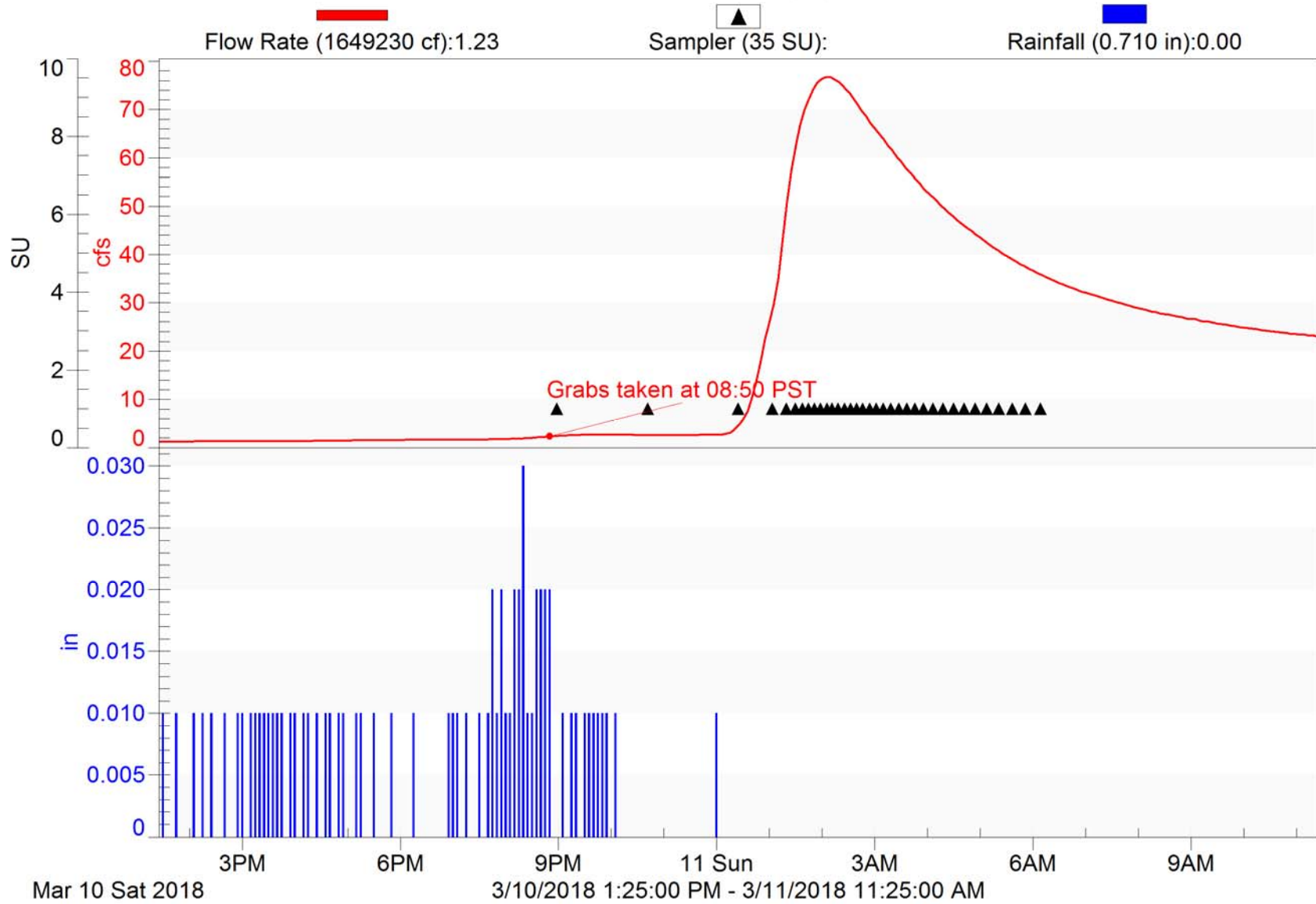
ME-VR2

2017/18 NPDES Event #2 (Wet)



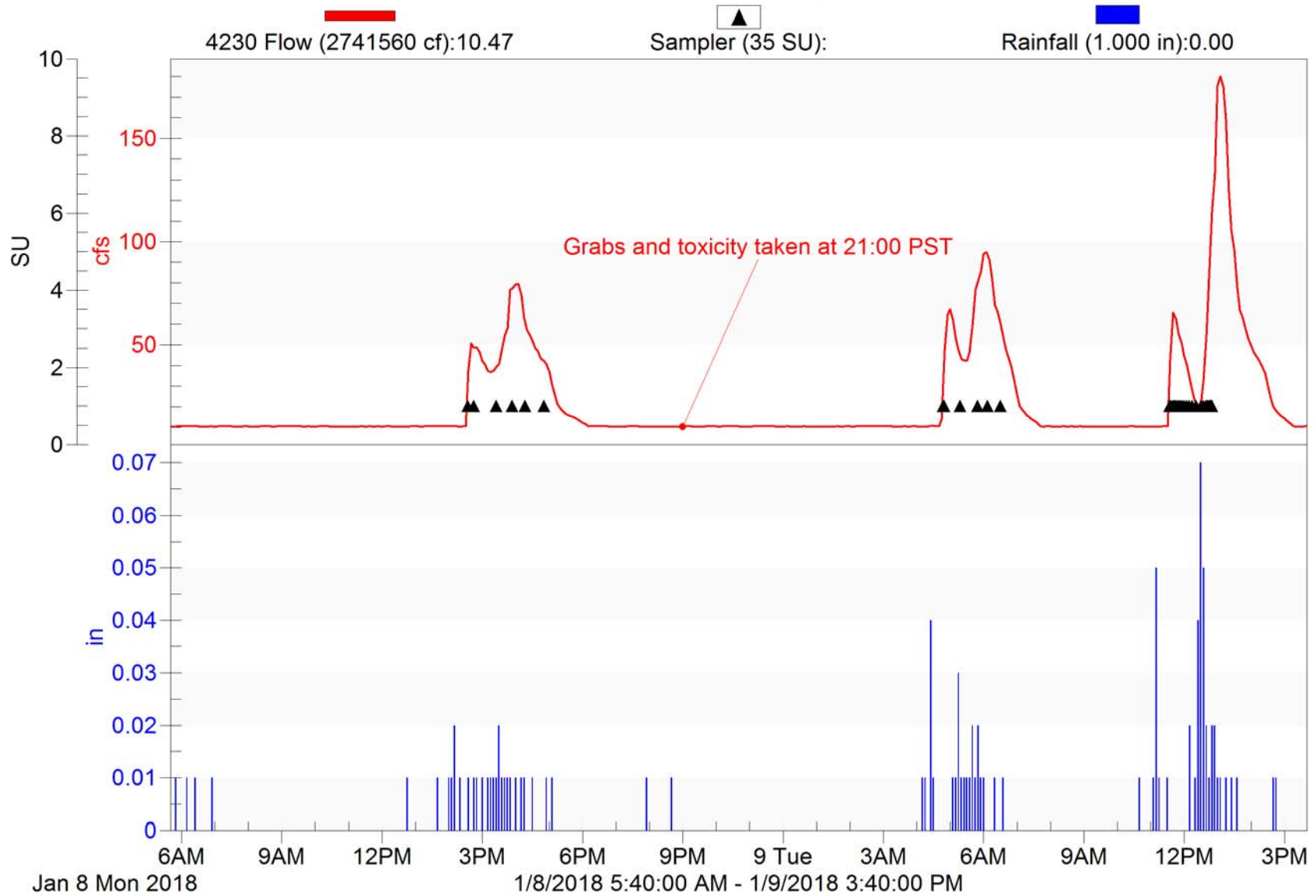
ME-VR2

2017/18 NPDES Event #3 (Wet)



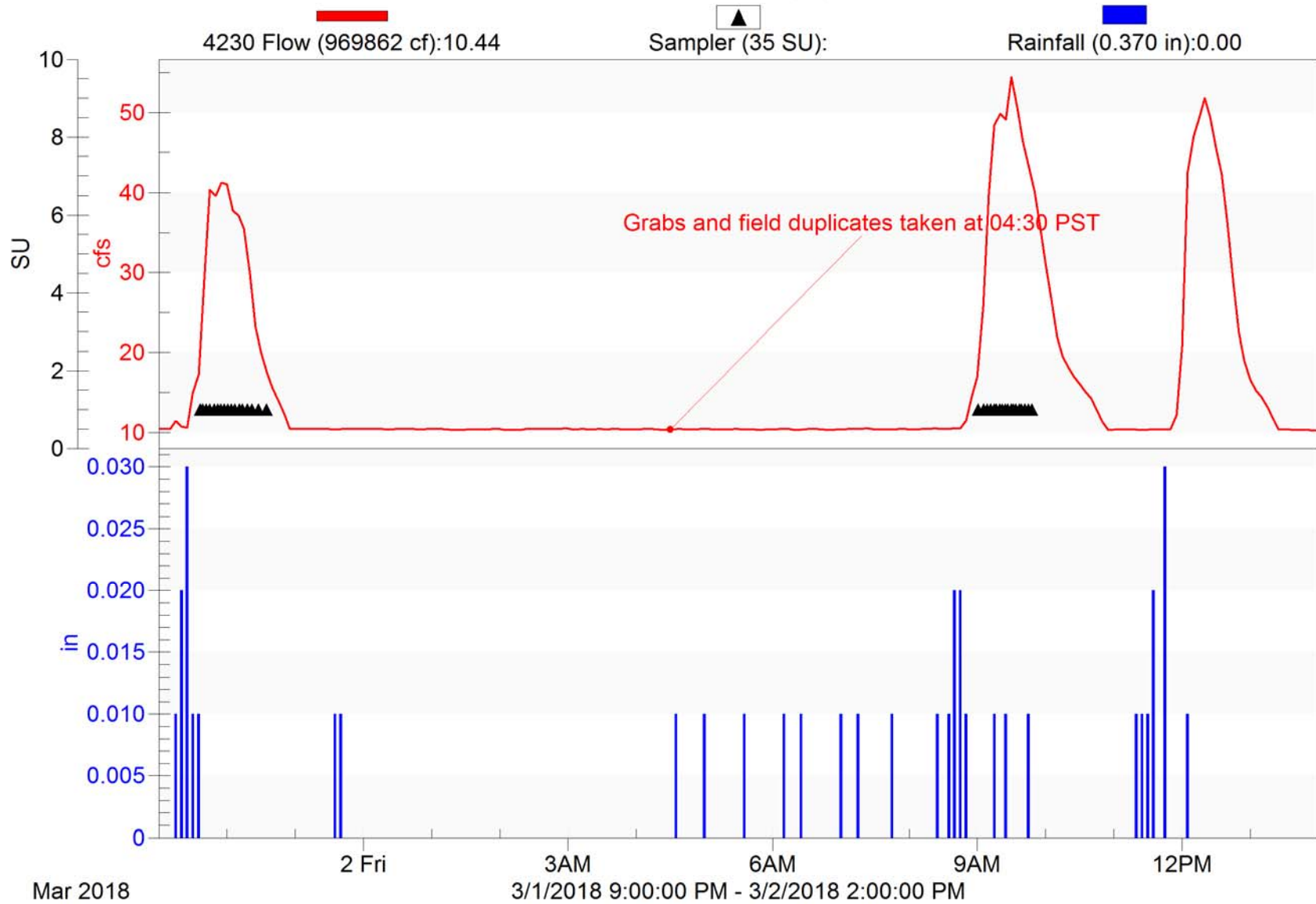
Camarillo-1

2017/18 NPDES Event #1 (Wet)



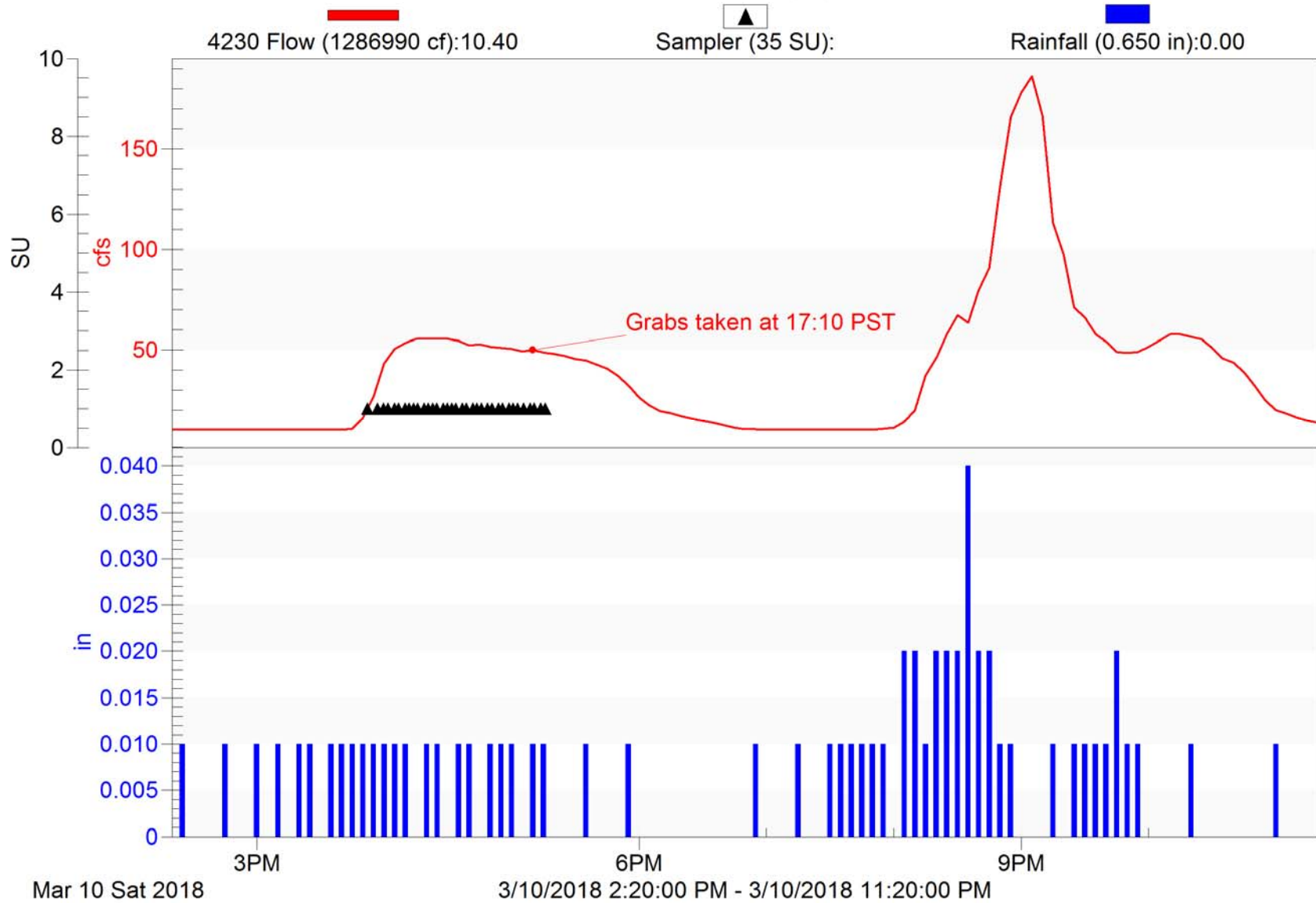
Camarillo-1

2017/18 NPDES Event #2 (Wet)



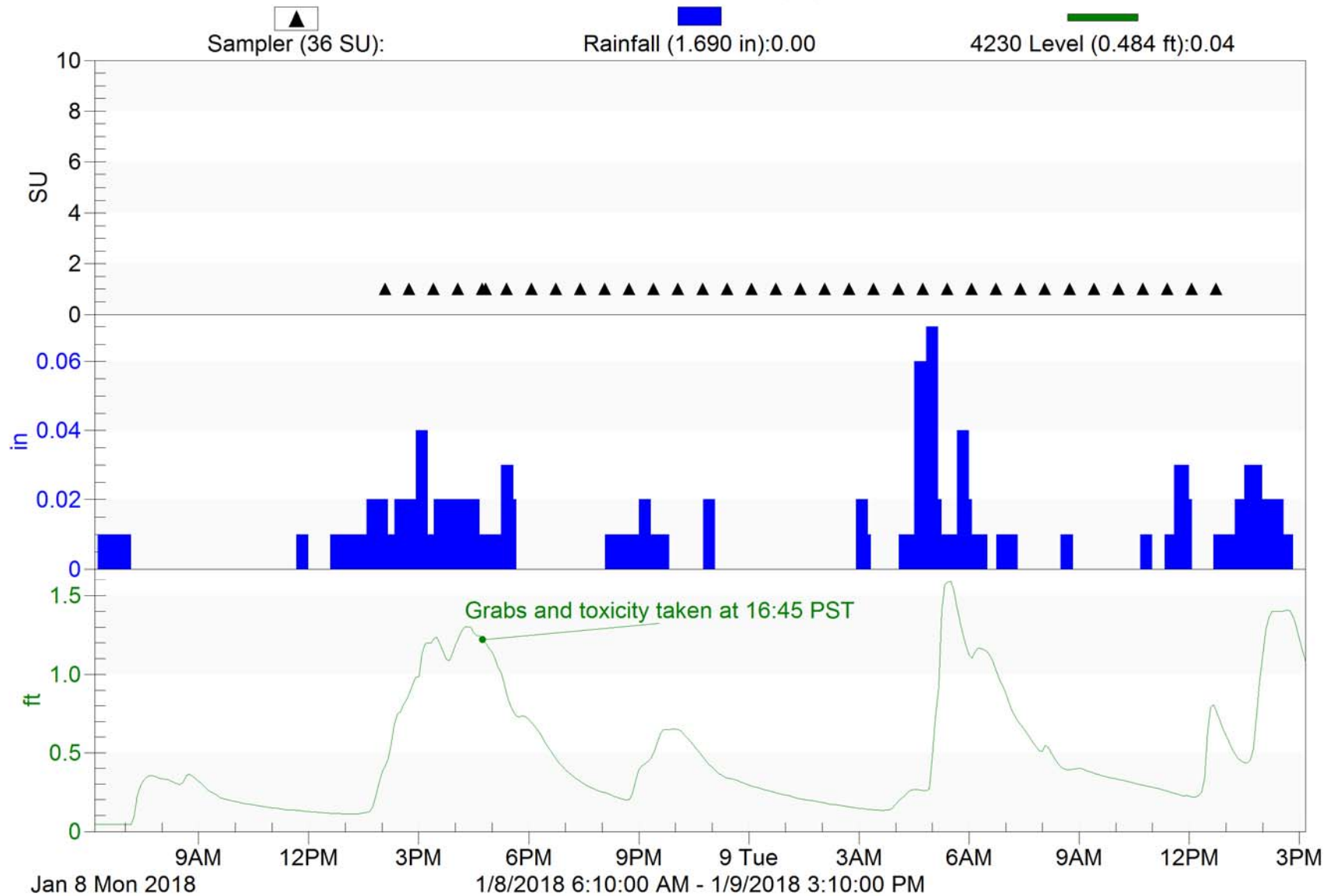
Camarillo-1

2017/18 NPDES Event #3 (Wet)



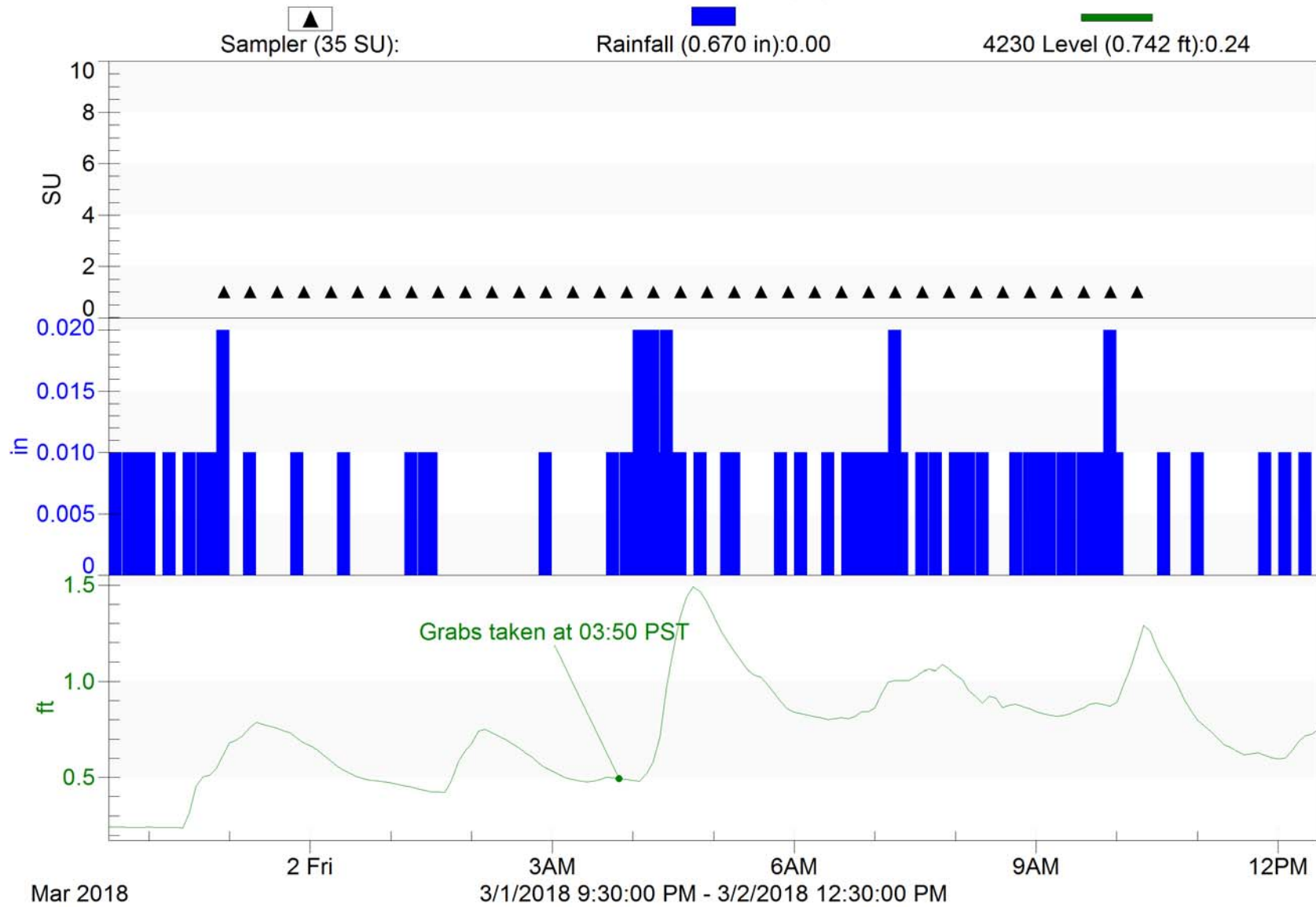
Fillmore-1

2017/18 NPDES Event #1 (Wet)



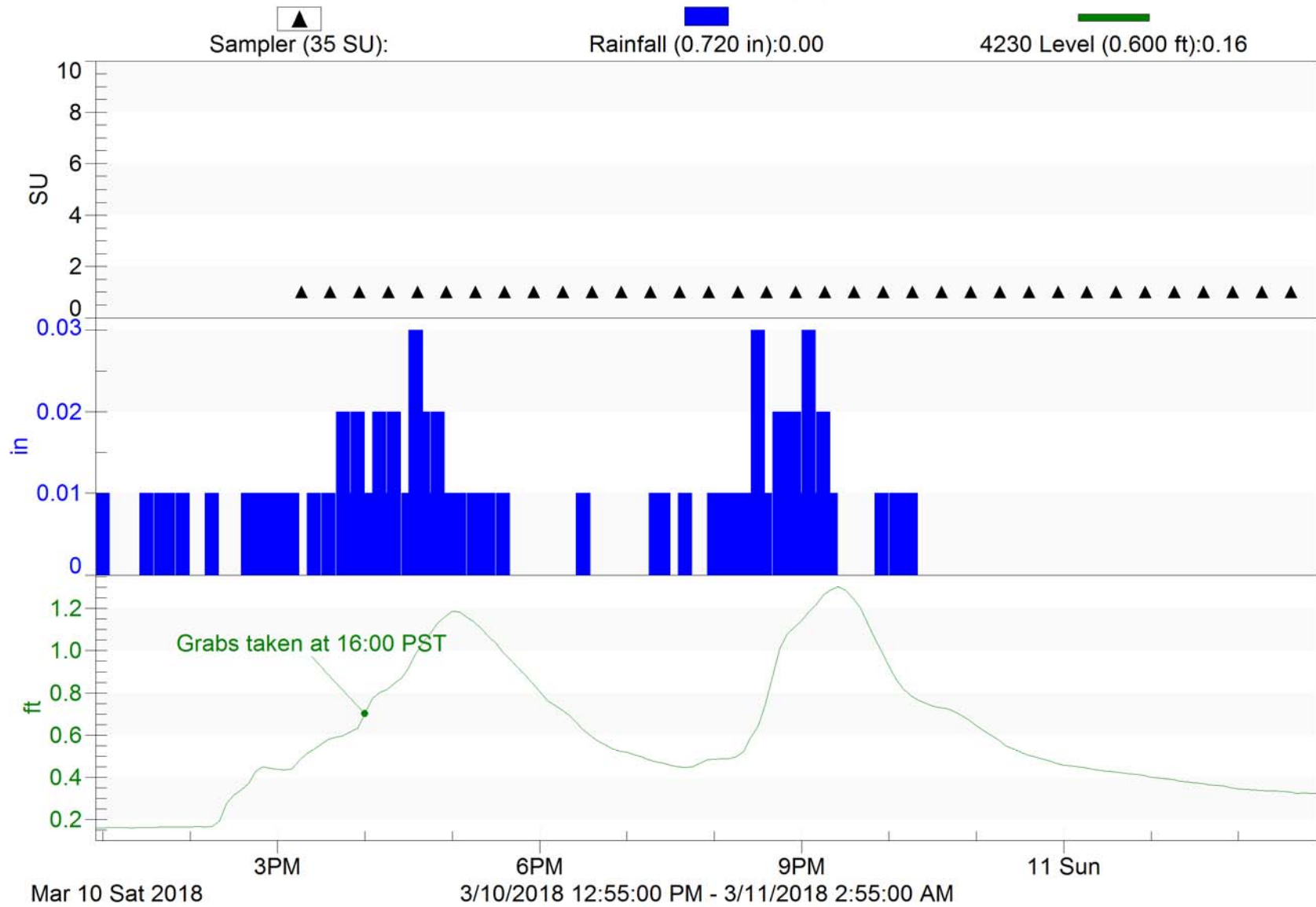
Fillmore-1

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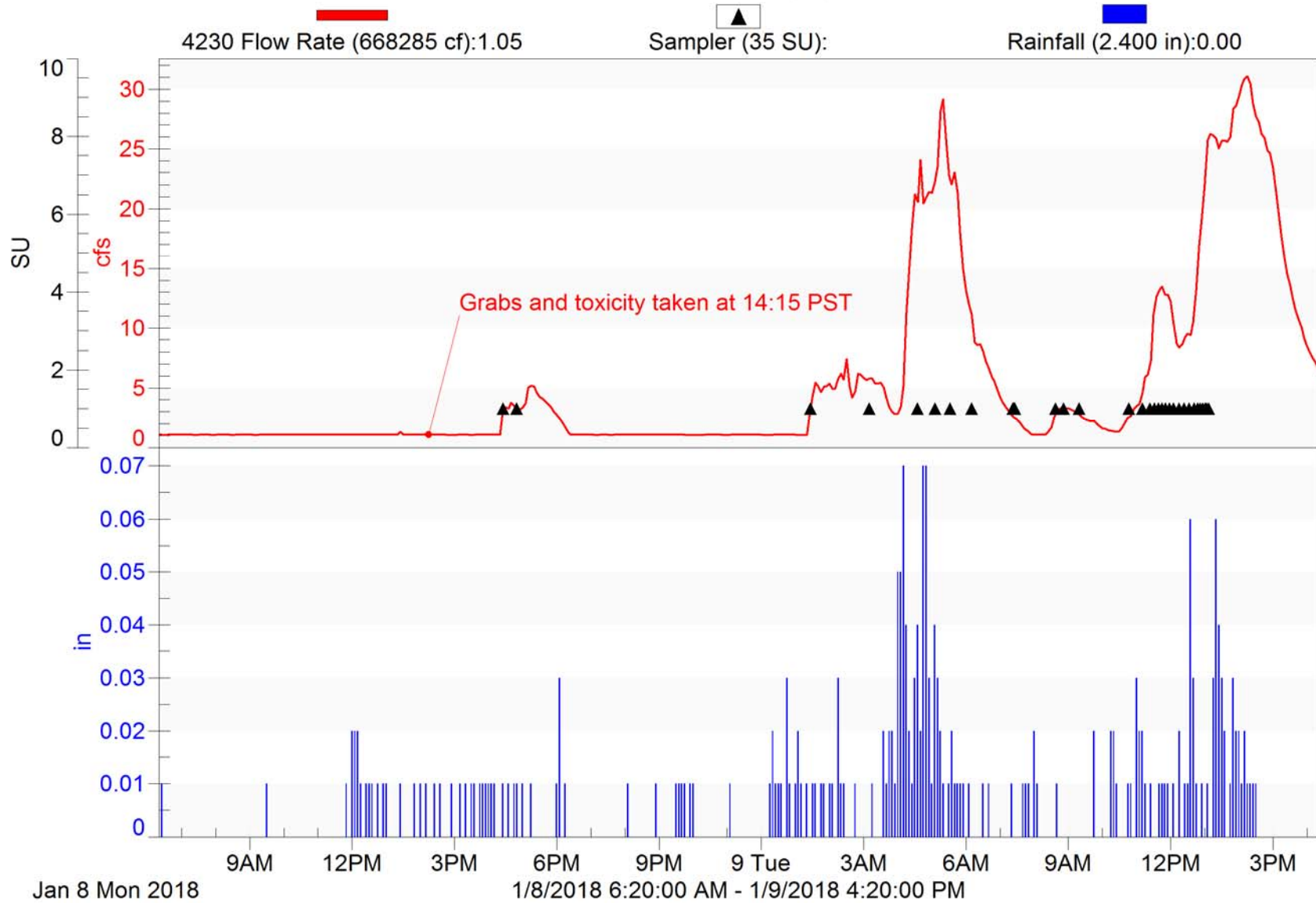
Fillmore-1

2017/18 NPDES Event #3 (Wet)



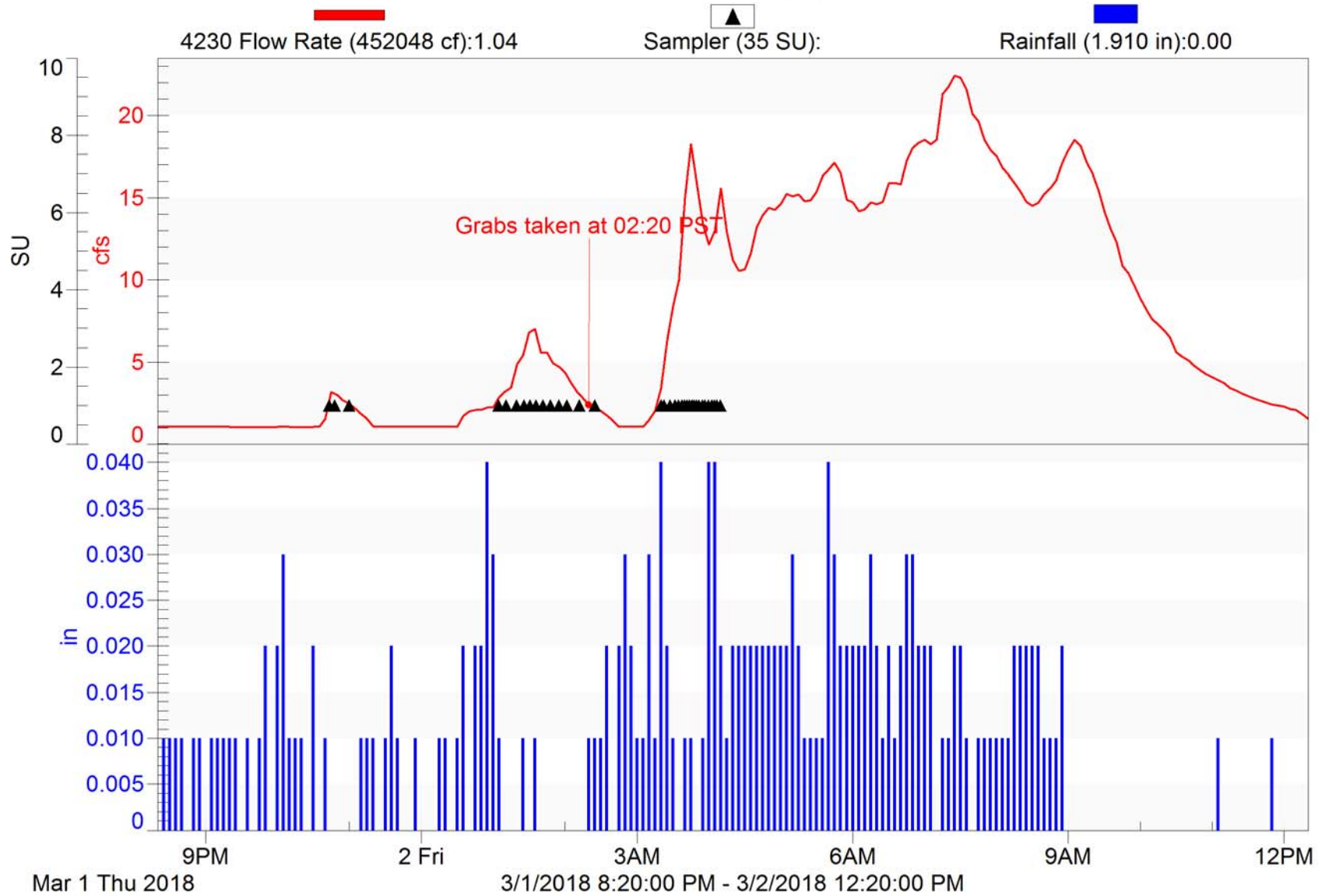
Meiners Oaks-1

2017/18 NPDES Event #1 (Wet)



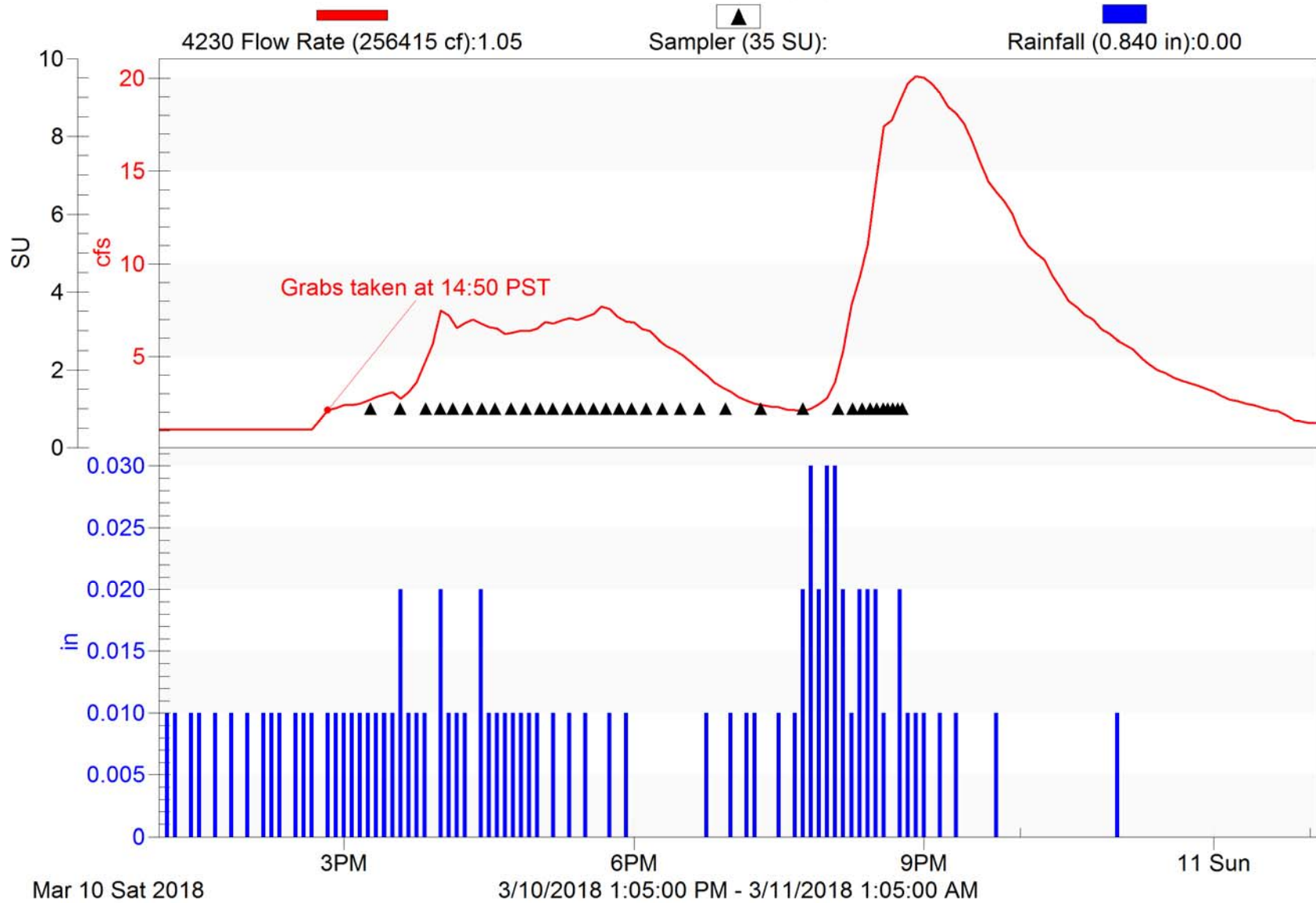
Meiners Oaks-1

2017/18 NPDES Event #2 (Wet)



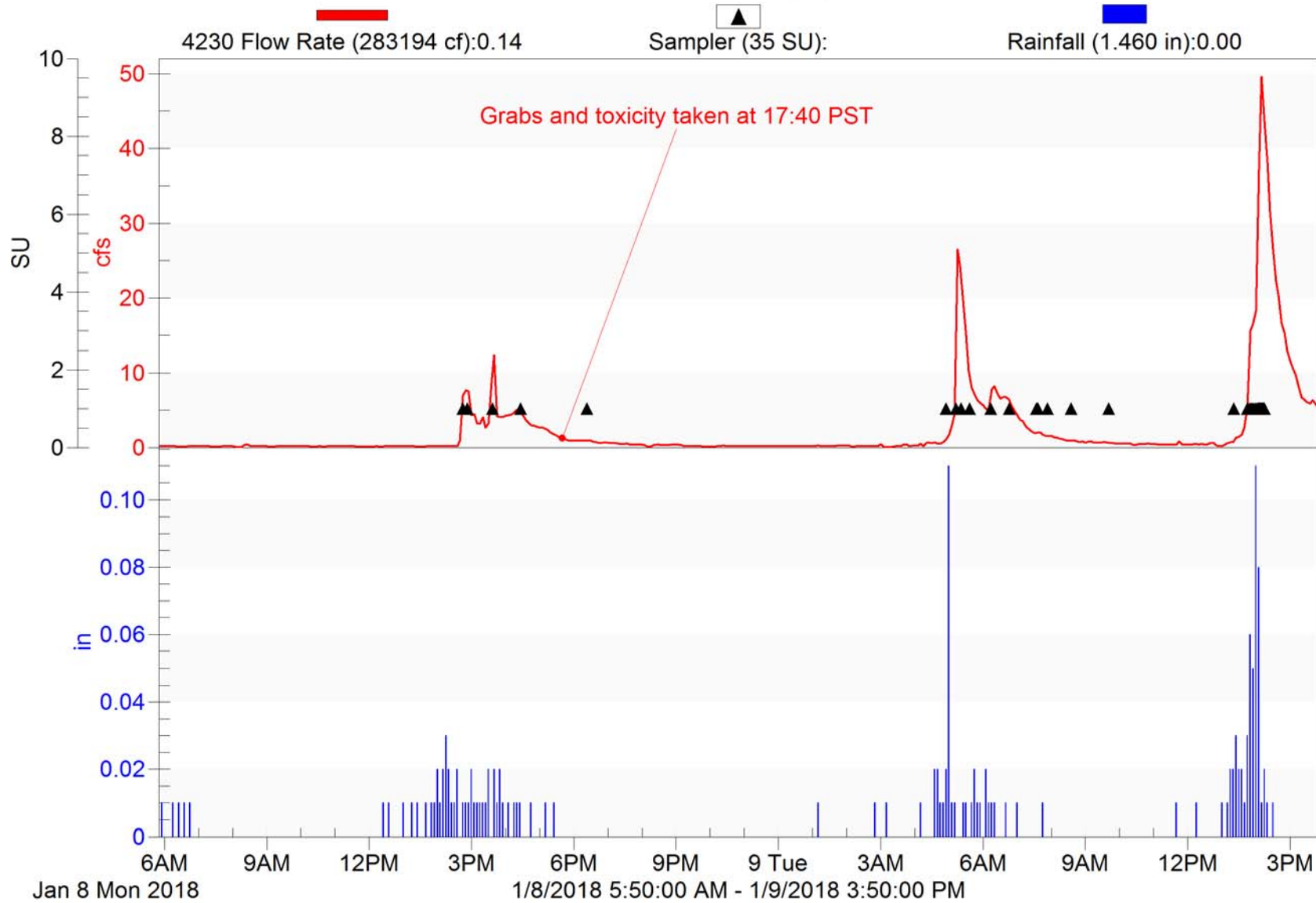
Meiners Oaks-1

2017/18 NPDES Event #3 (Wet)



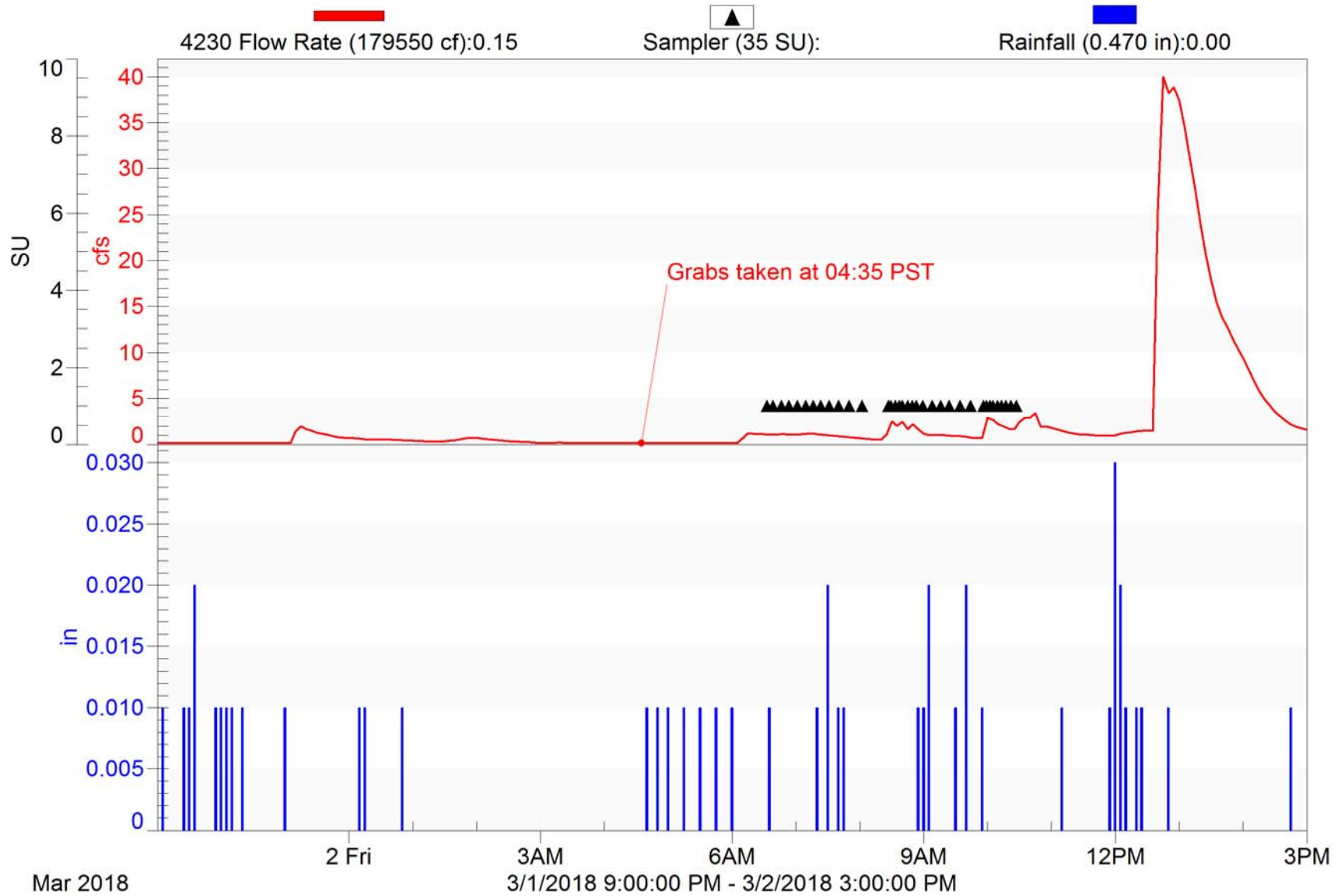
Moorpark-1

2017/18 NPDES Event #1 (Wet)



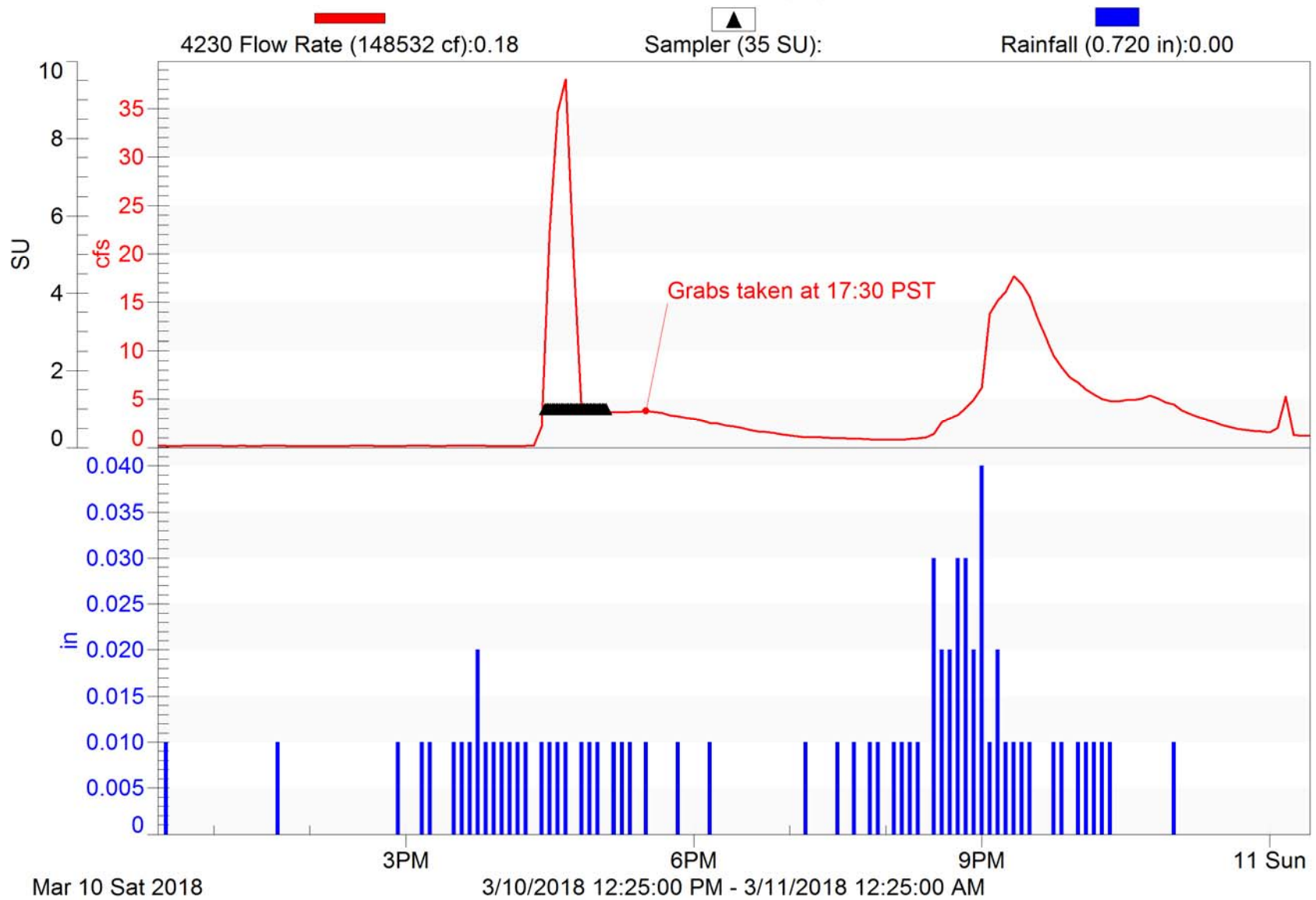
Moorpark-1

2017/18 NPDES Event #2 (Wet)



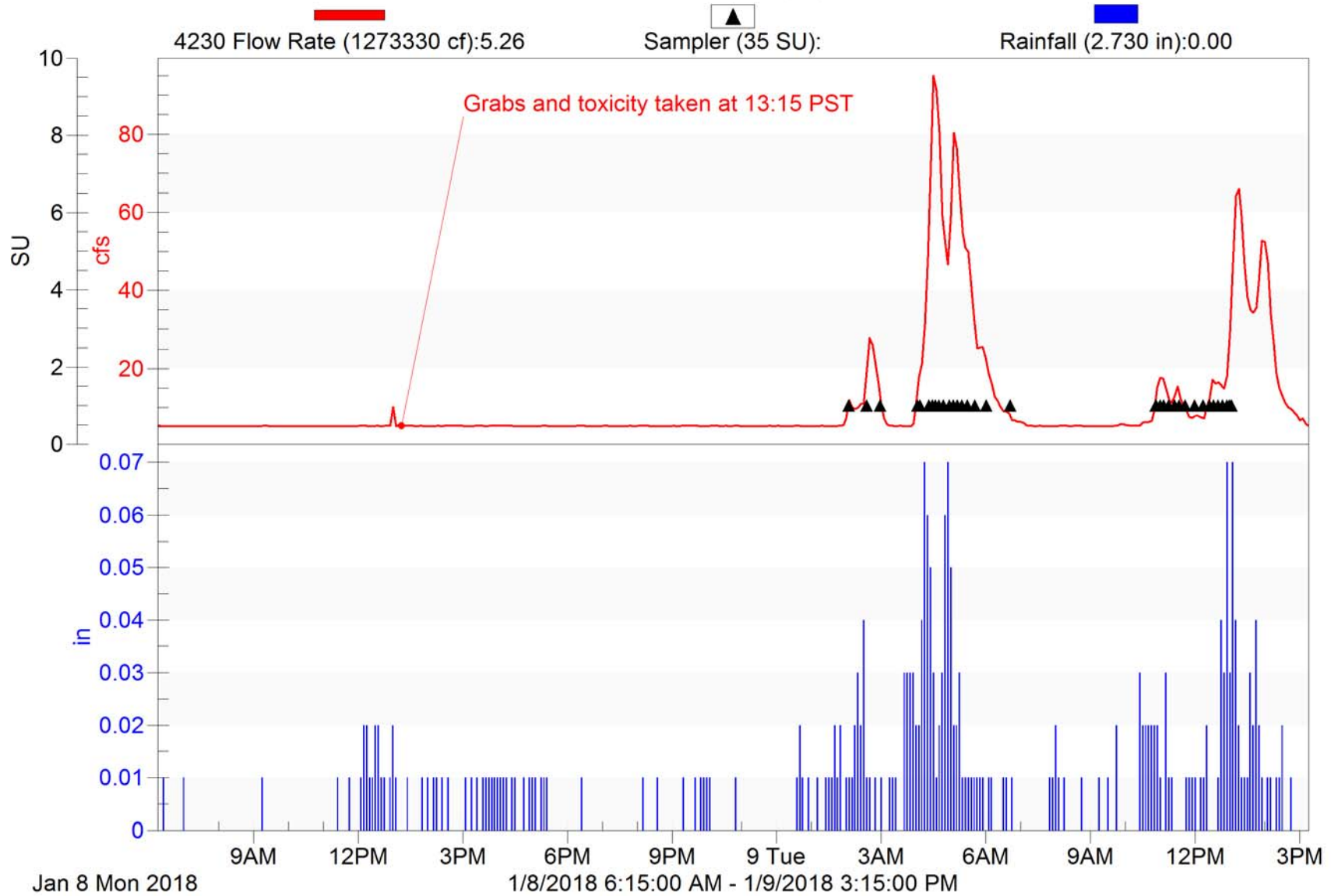
Moorpark-1

2017/18 NPDES Event #3 (Wet)



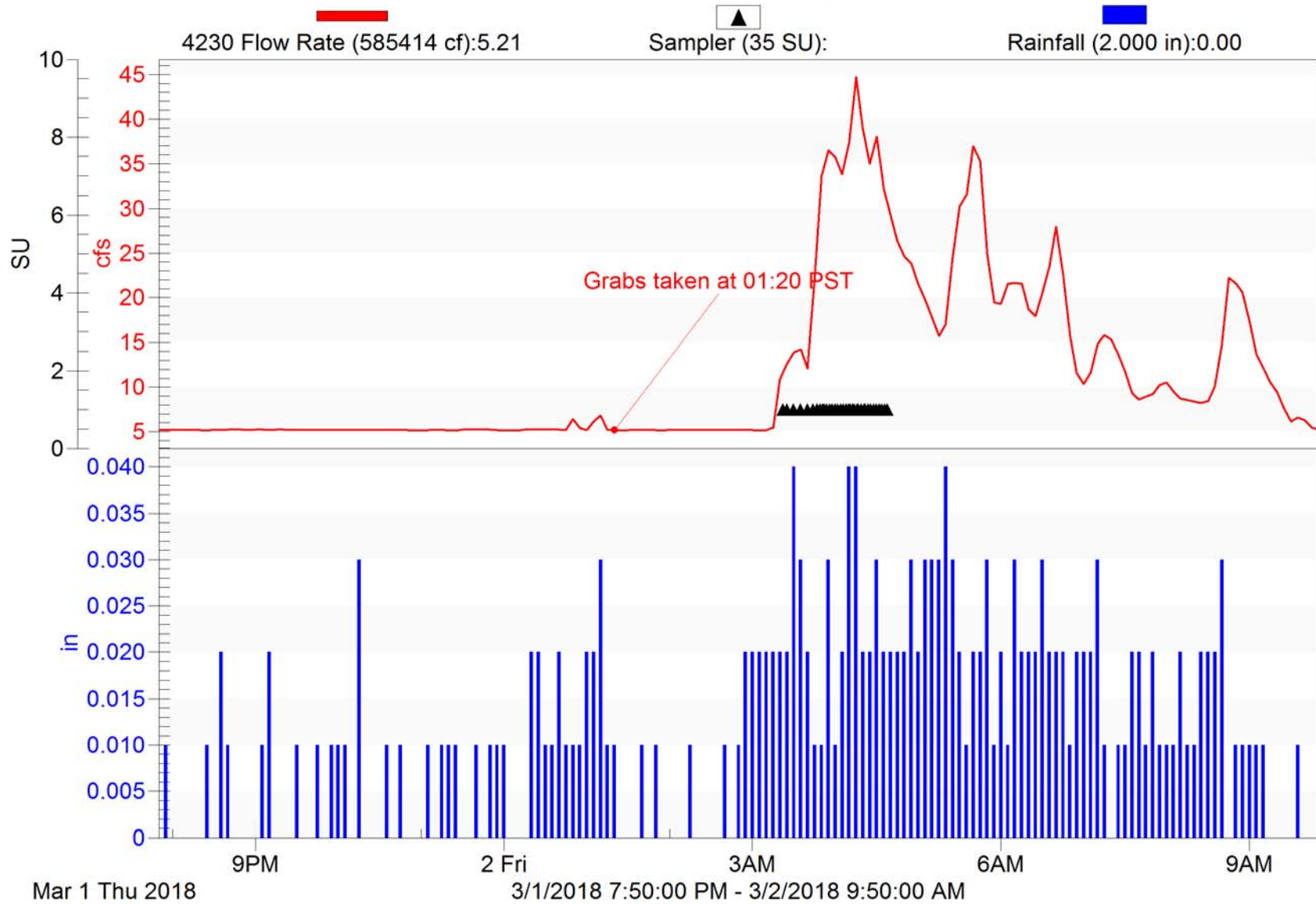
Ojai-1

2017/18 NPDES Event #1 (Wet)



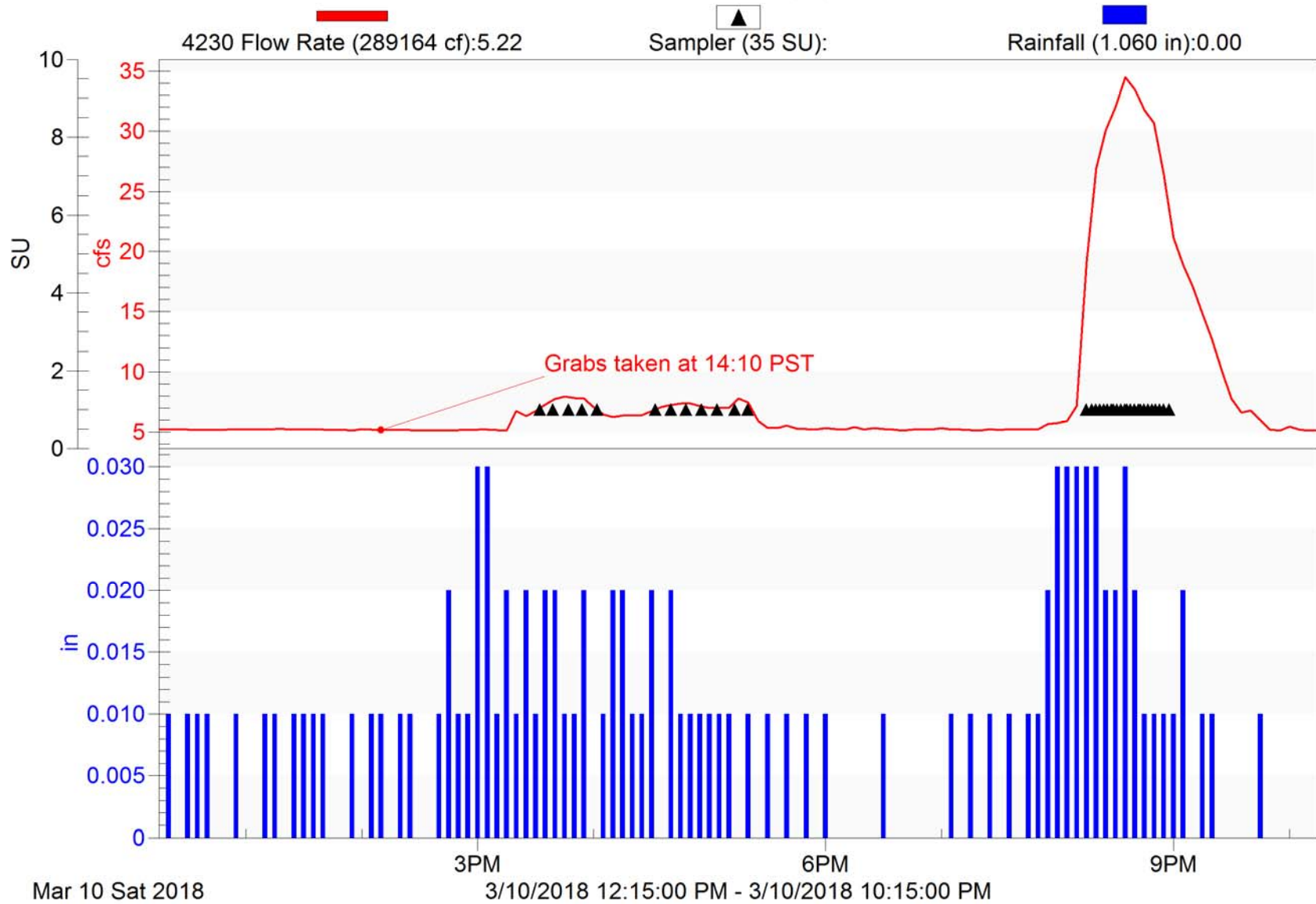
Ojai-1

2017/18 NPDES Event #2 (Wet)



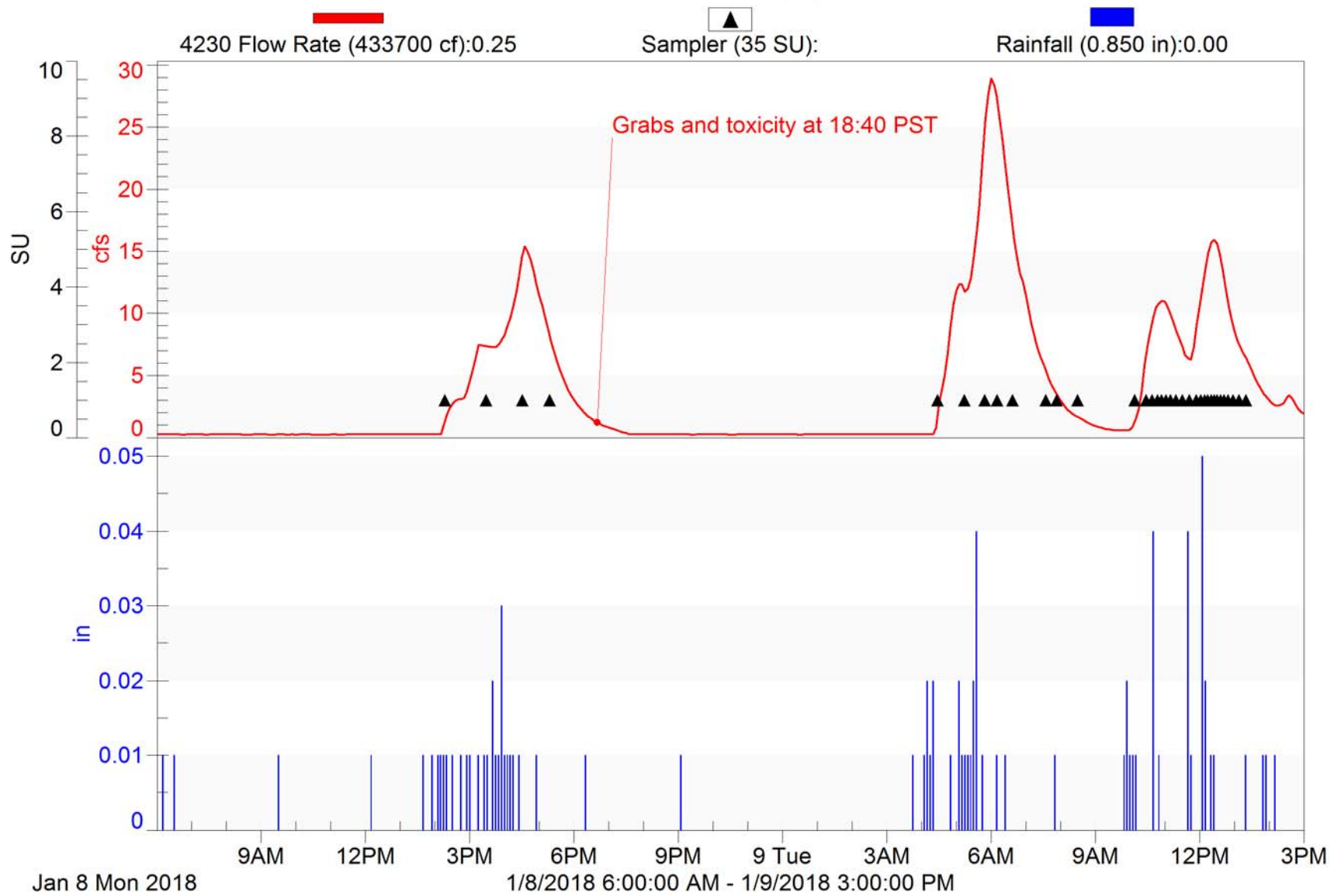
Ojai-1

2017/18 NPDES Event #3 (Wet)



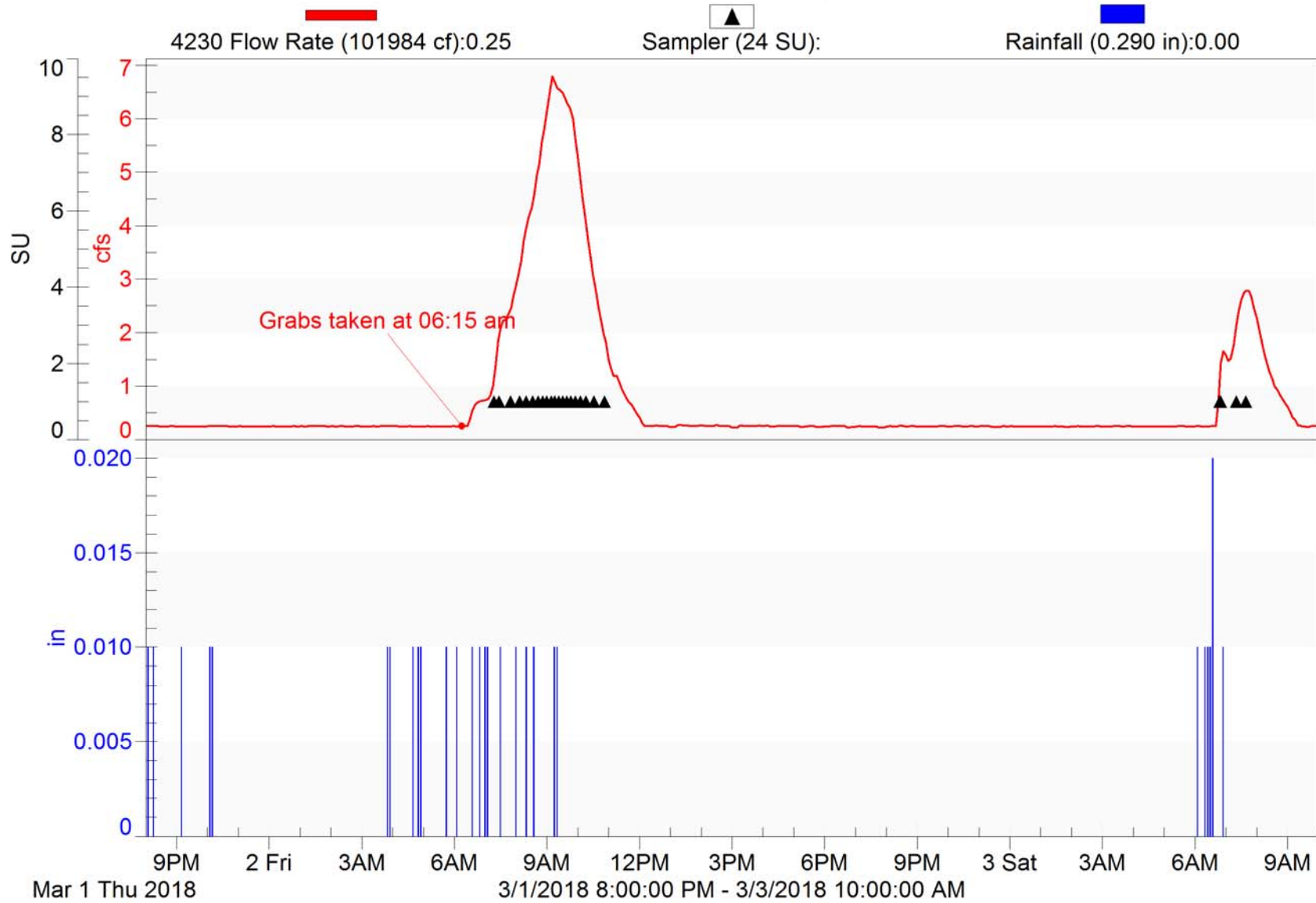
Oxnard-1

2017/18 NPDES Event #1 (Wet)



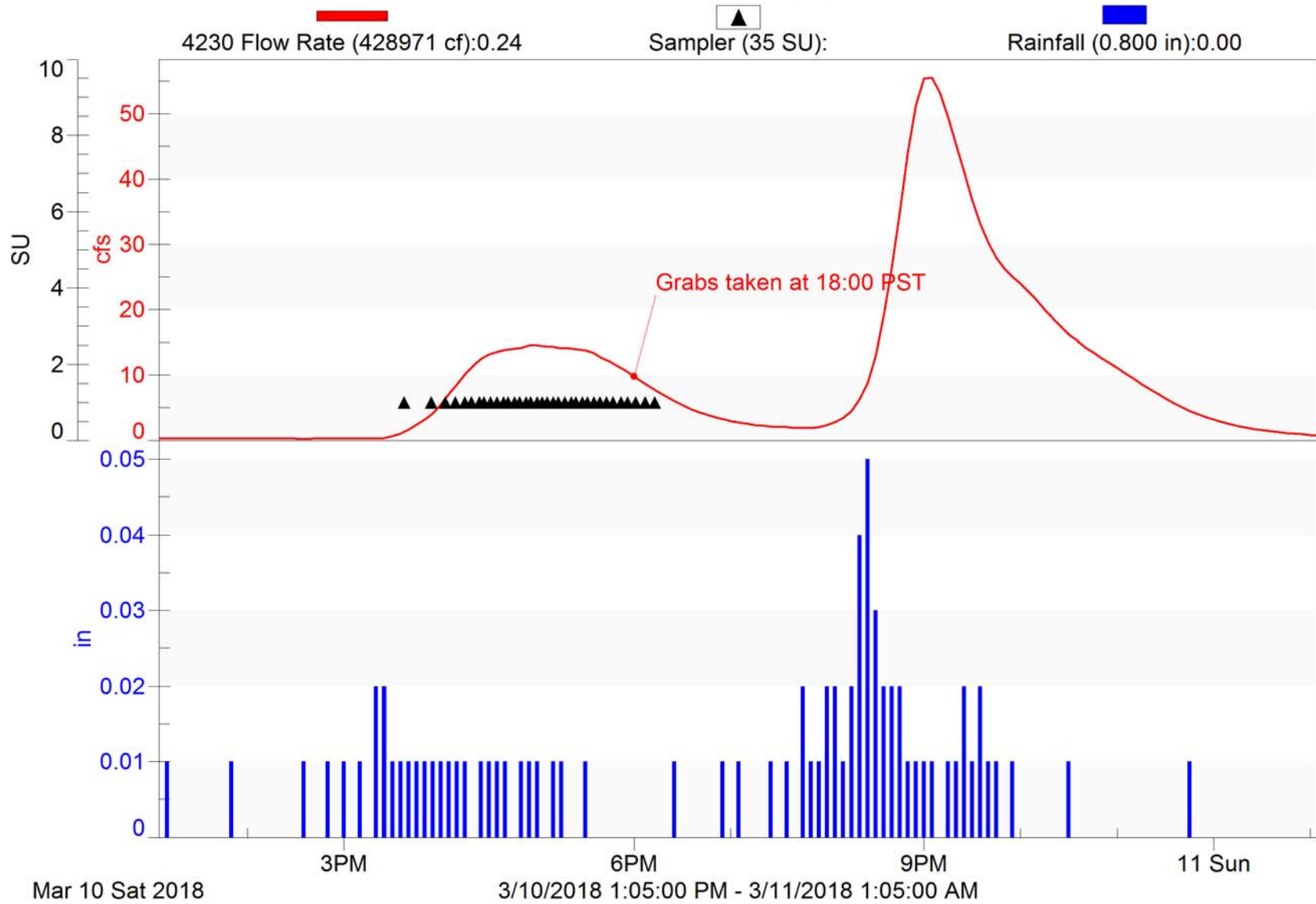
Oxnard-1

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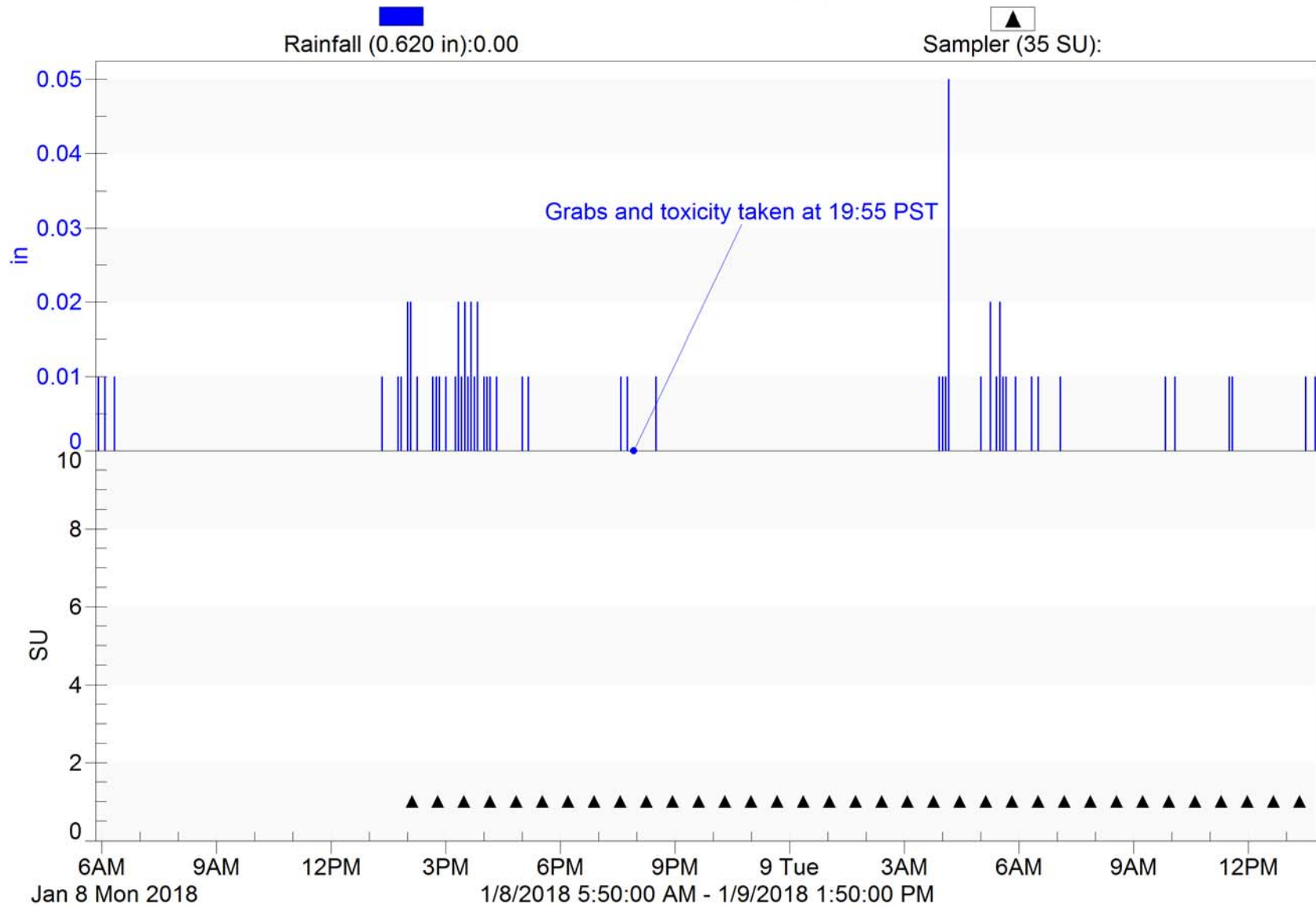
Oxnard-1

2017/18 NPDES Event #3 (Wet)



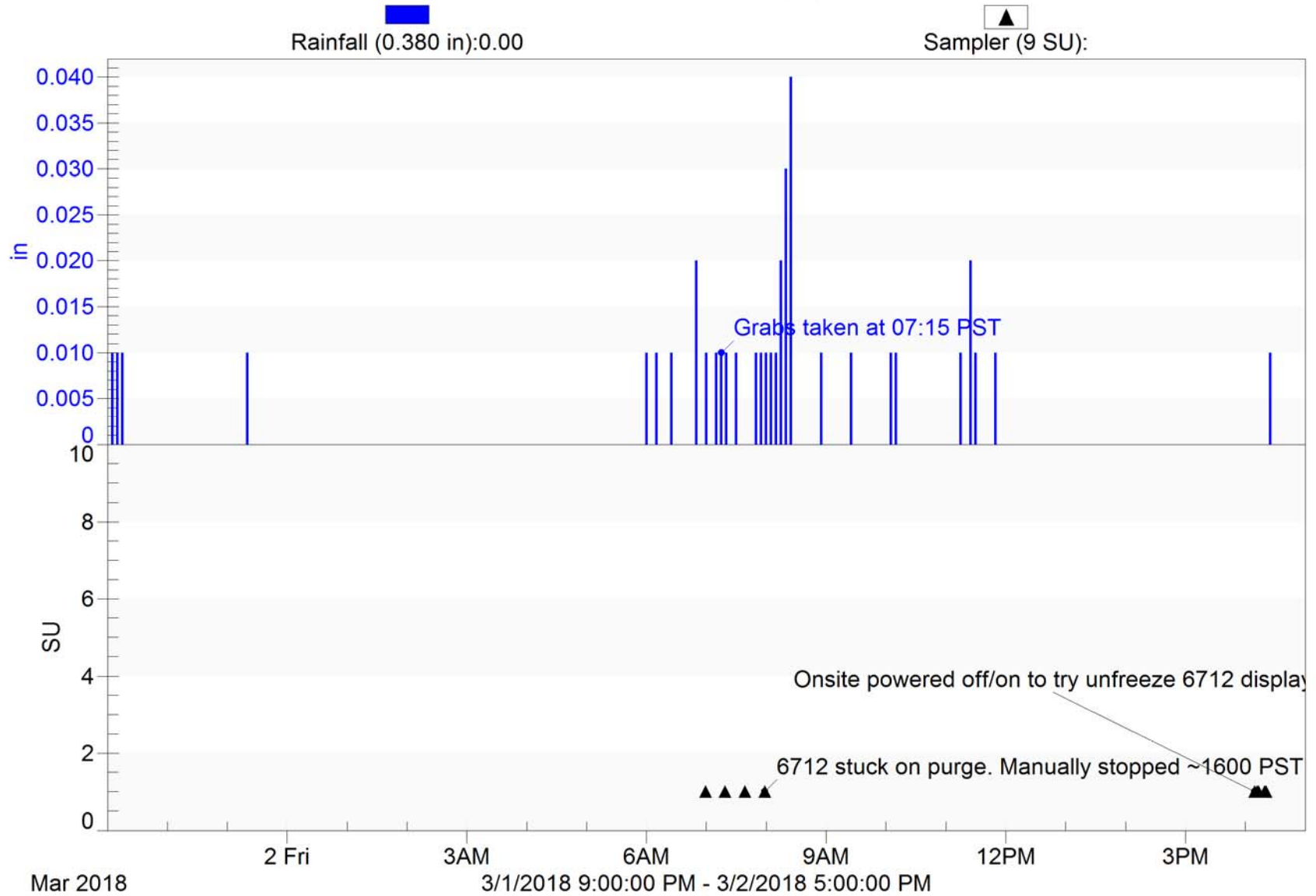
Port Hueneme-1

2017/18 NPDES Event #1 (Wet)



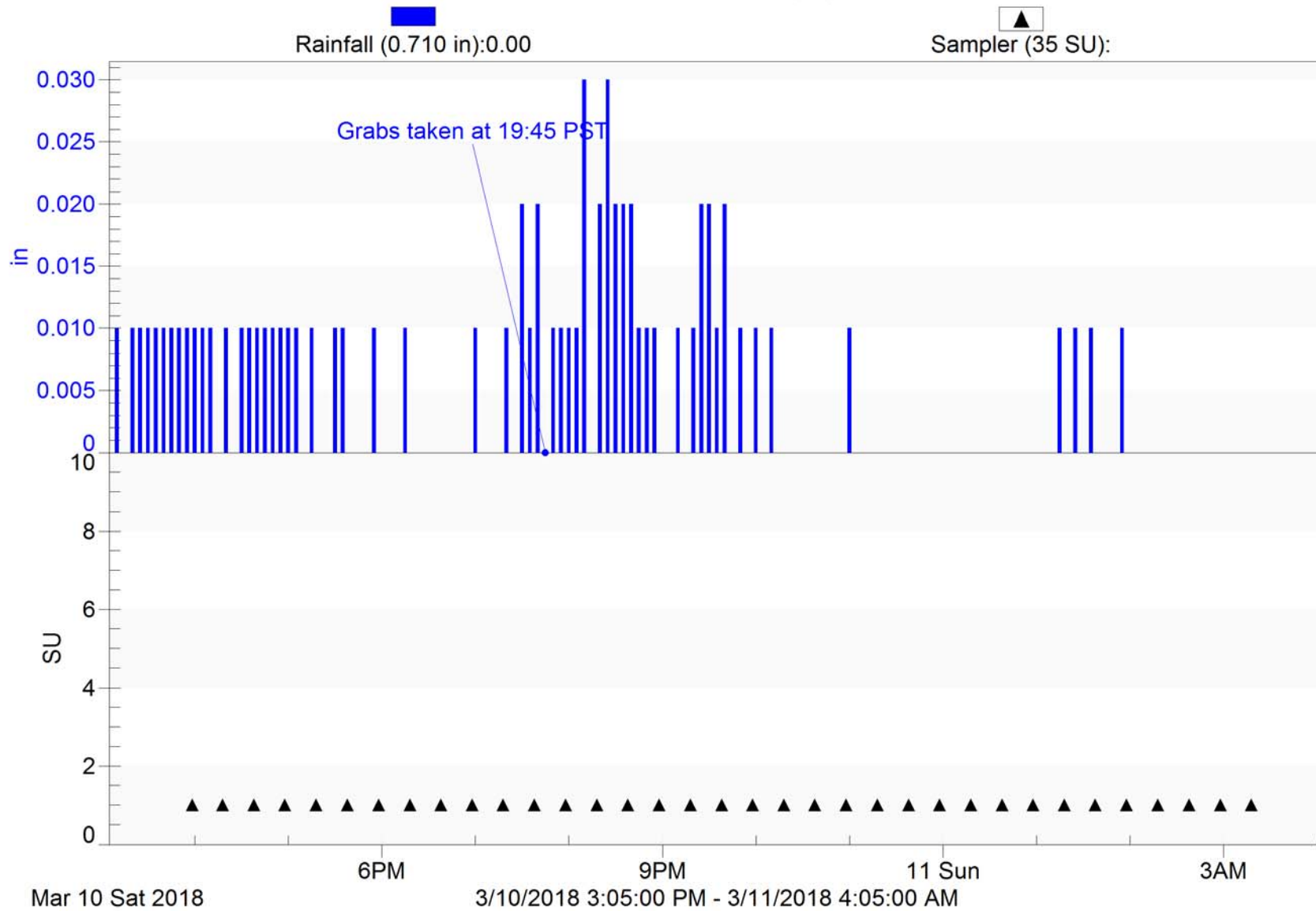
Port Hueneme-1

2017/18 NPDES Event #2 (Wet)



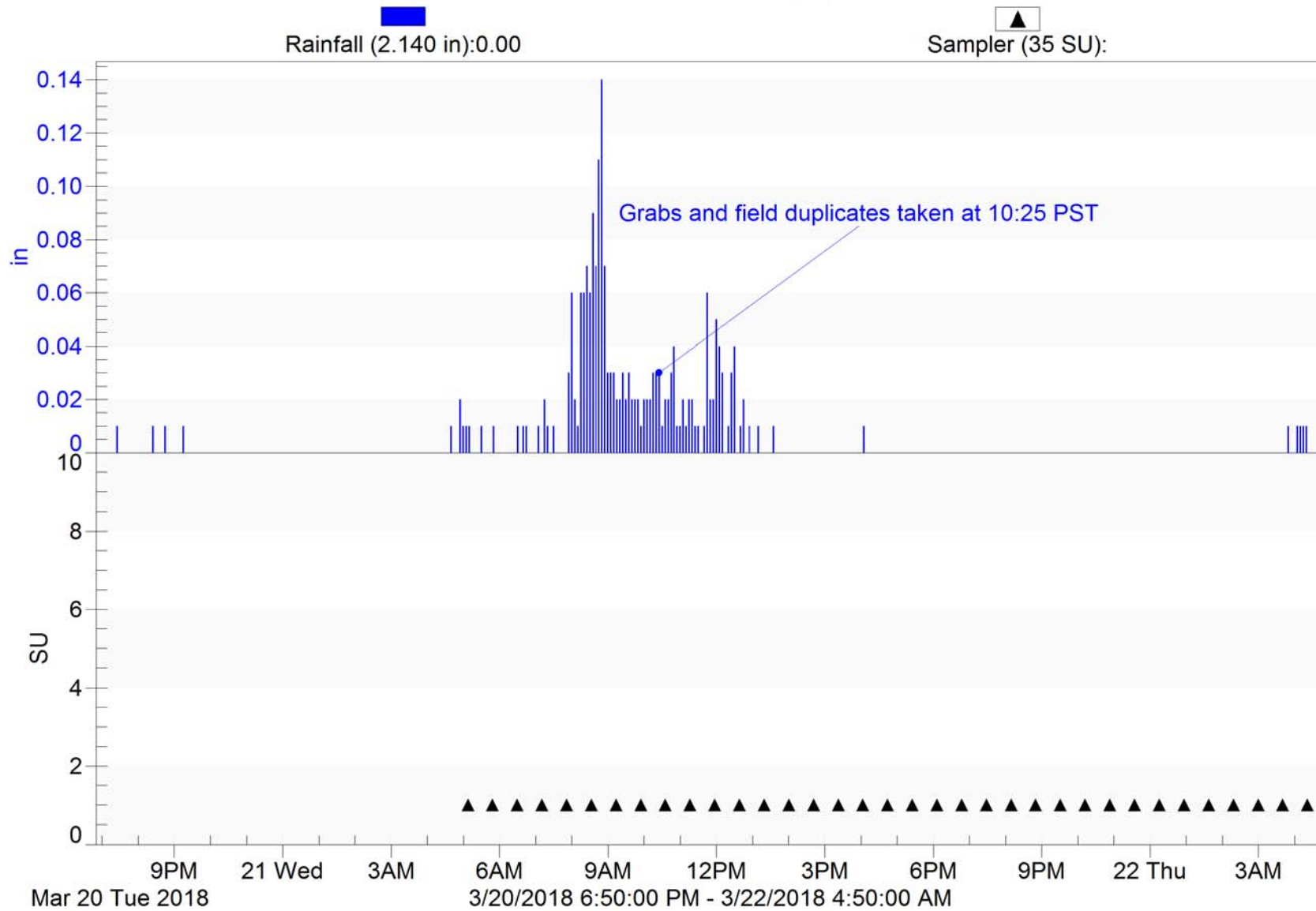
Port Hueneme-1

2017/18 NPDES Event #3 (Wet)



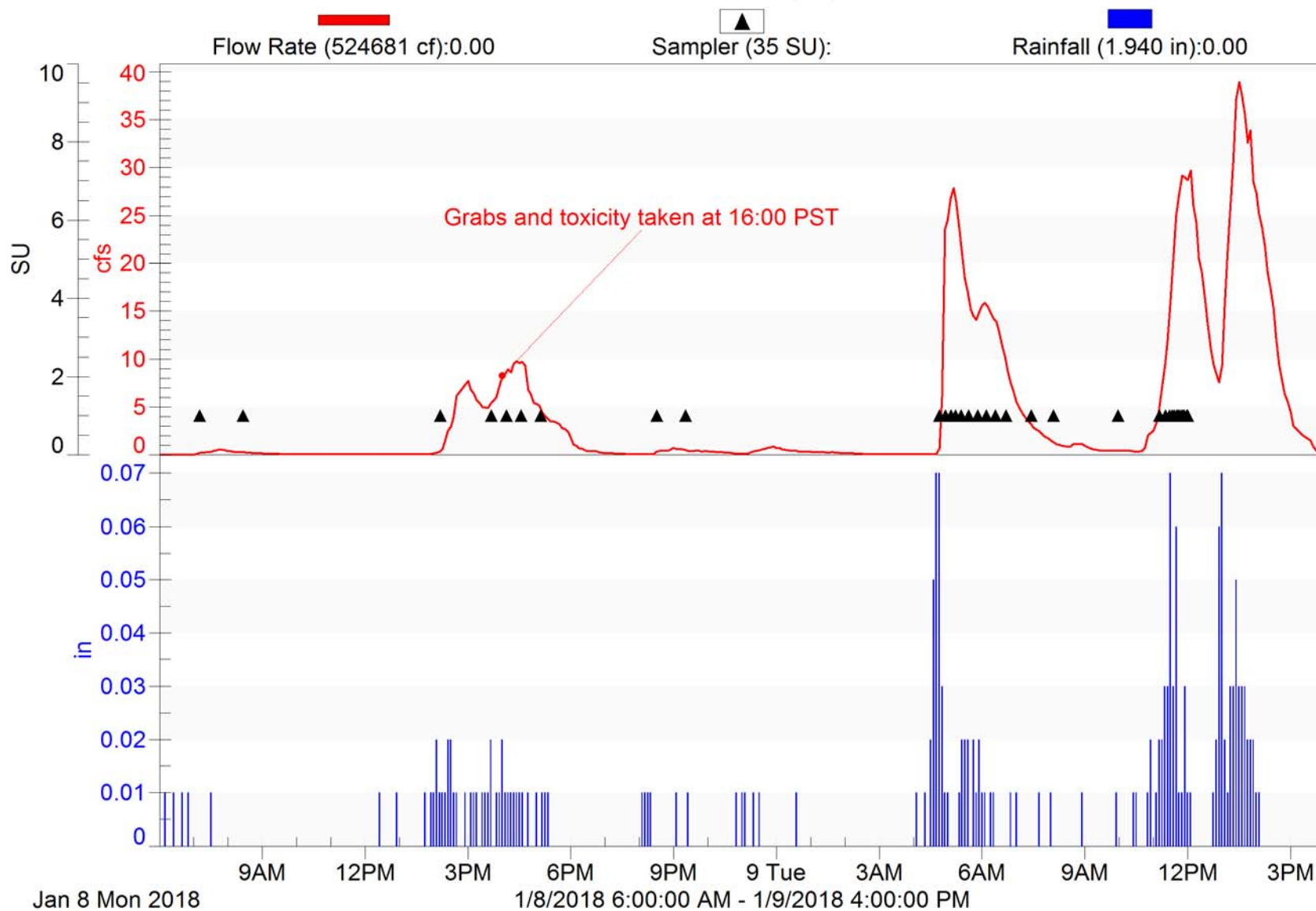
Port Hueneme-1

2017/18 NPDES Event #4 (Wet)



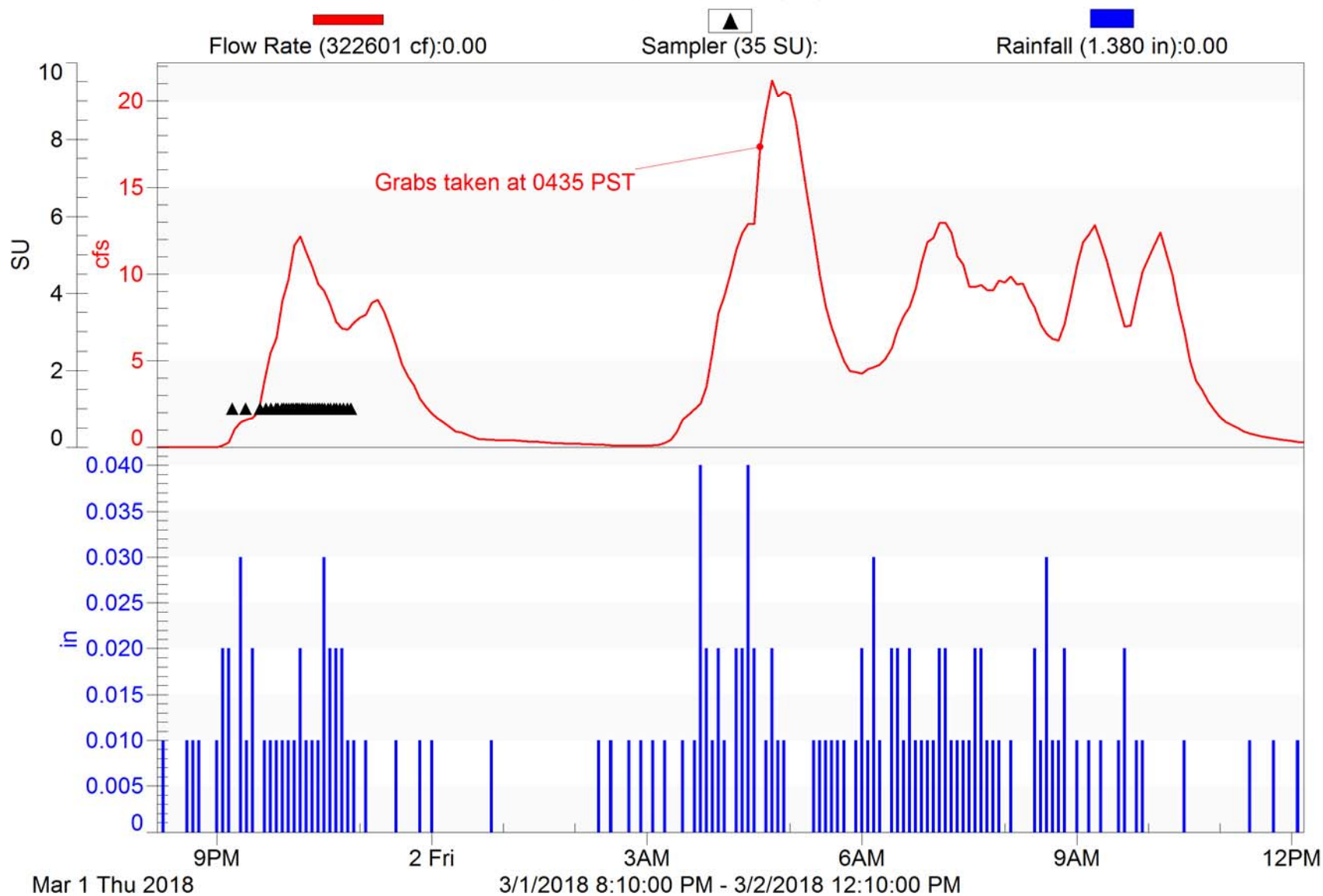
Santa Paula-1

2017/18 NPDES Event #1 (Wet)



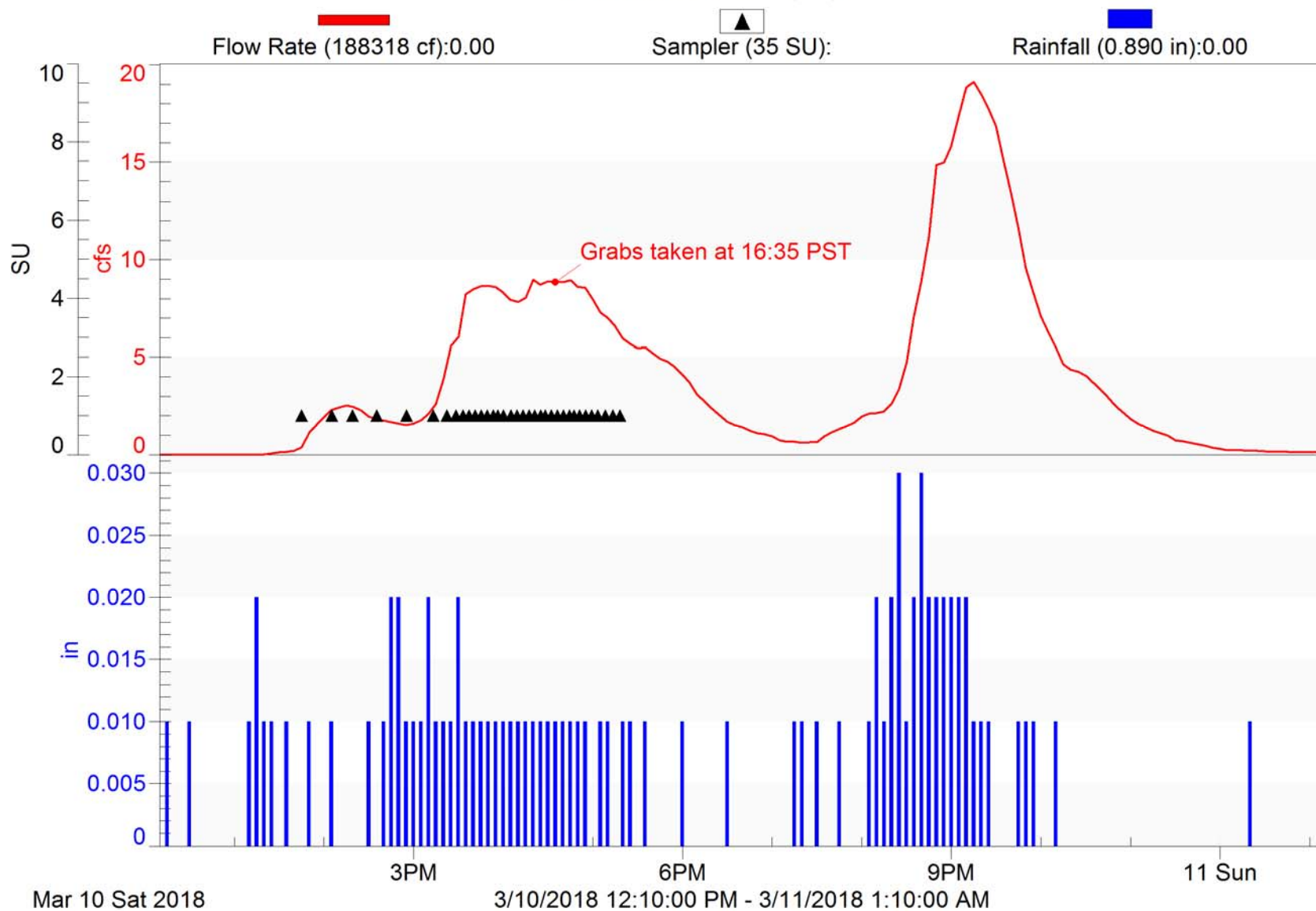
Santa Paula-1

2017/18 NPDES Event #2 (Wet)



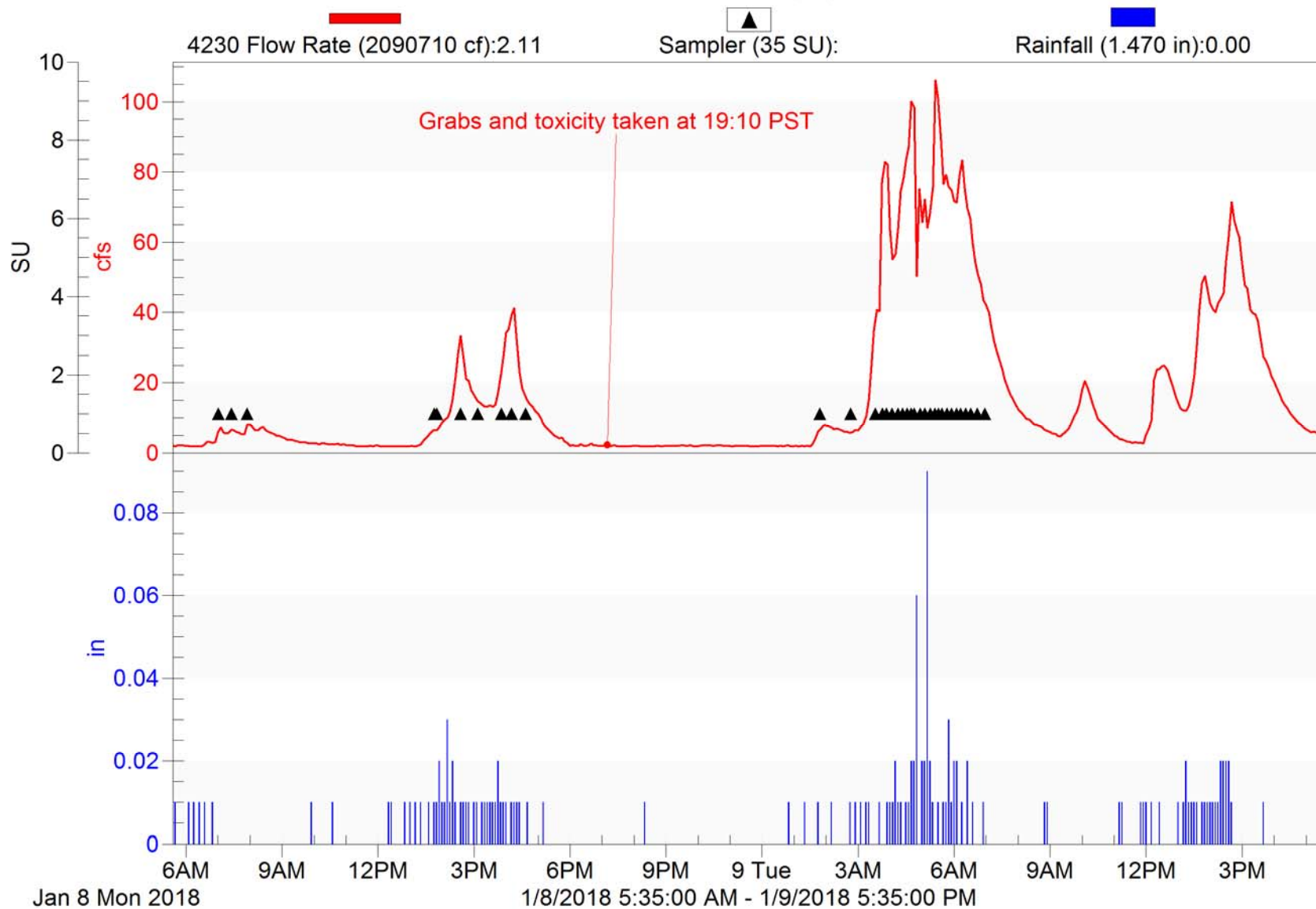
Santa Paula-1

2017/18 NPDES Event #3 (Wet)



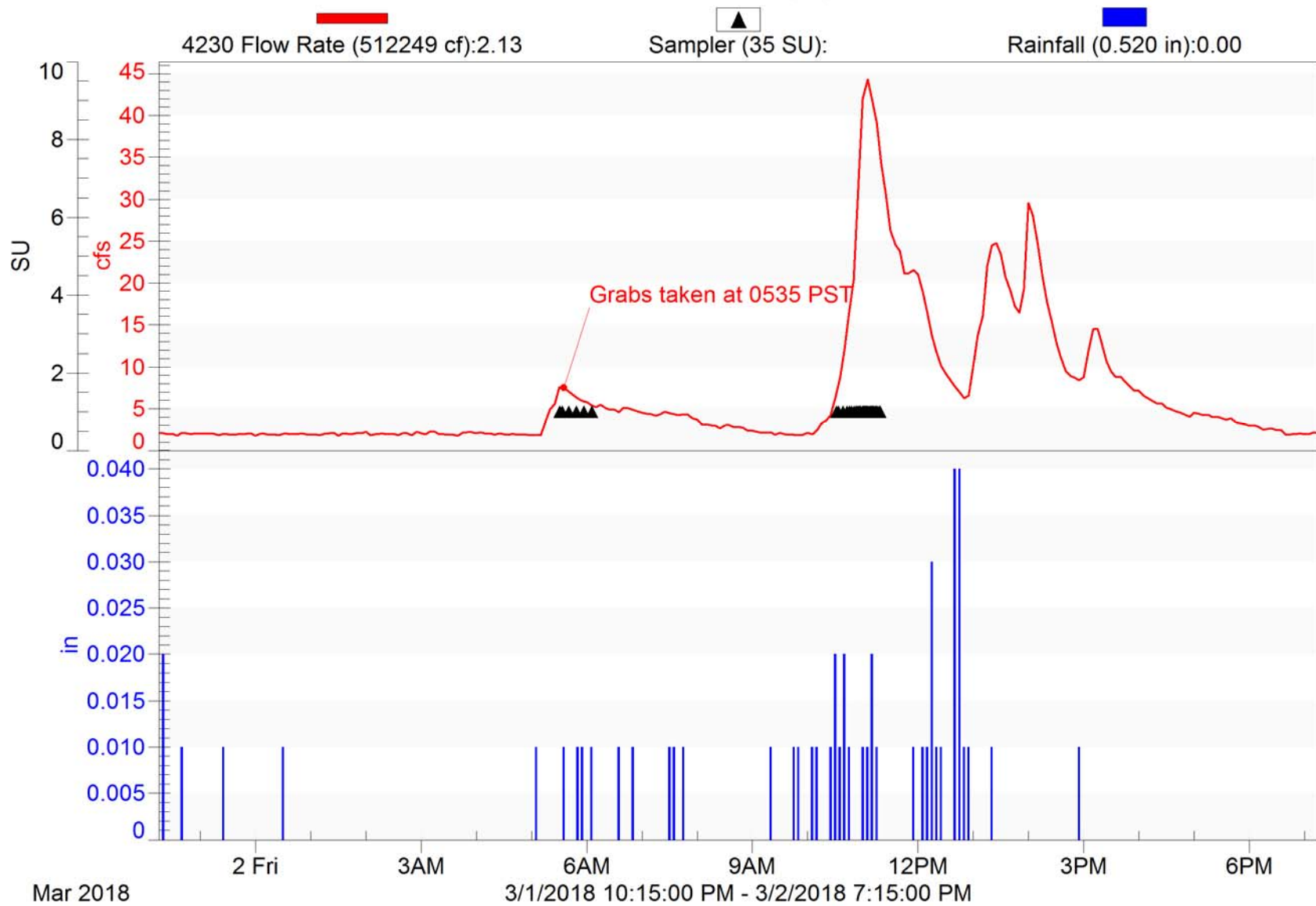
Simi Valley-1

2017/18 NPDES Event #1 (Wet)

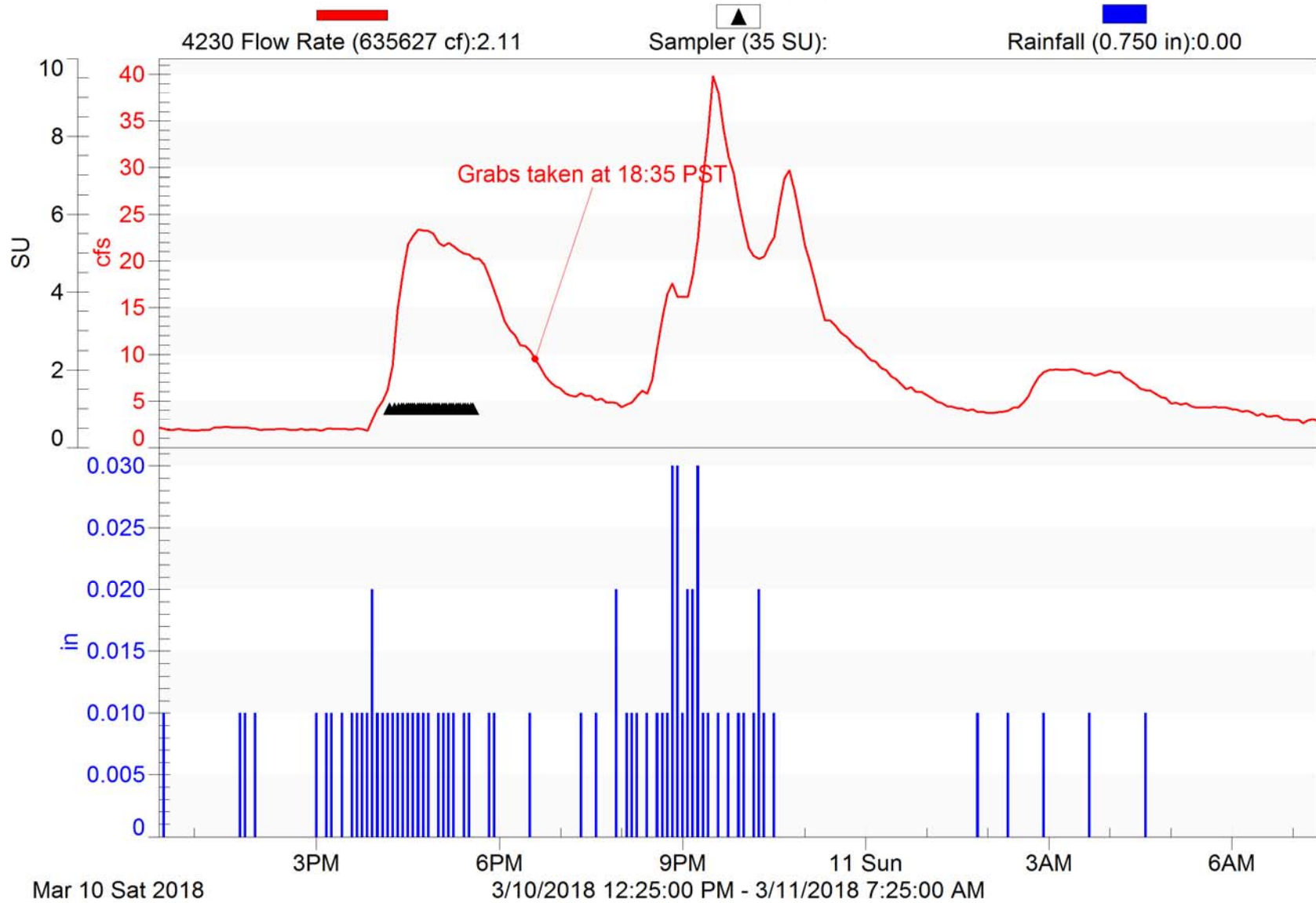


Simi Valley-1

2017/18 NPDES Event #2 (Wet)

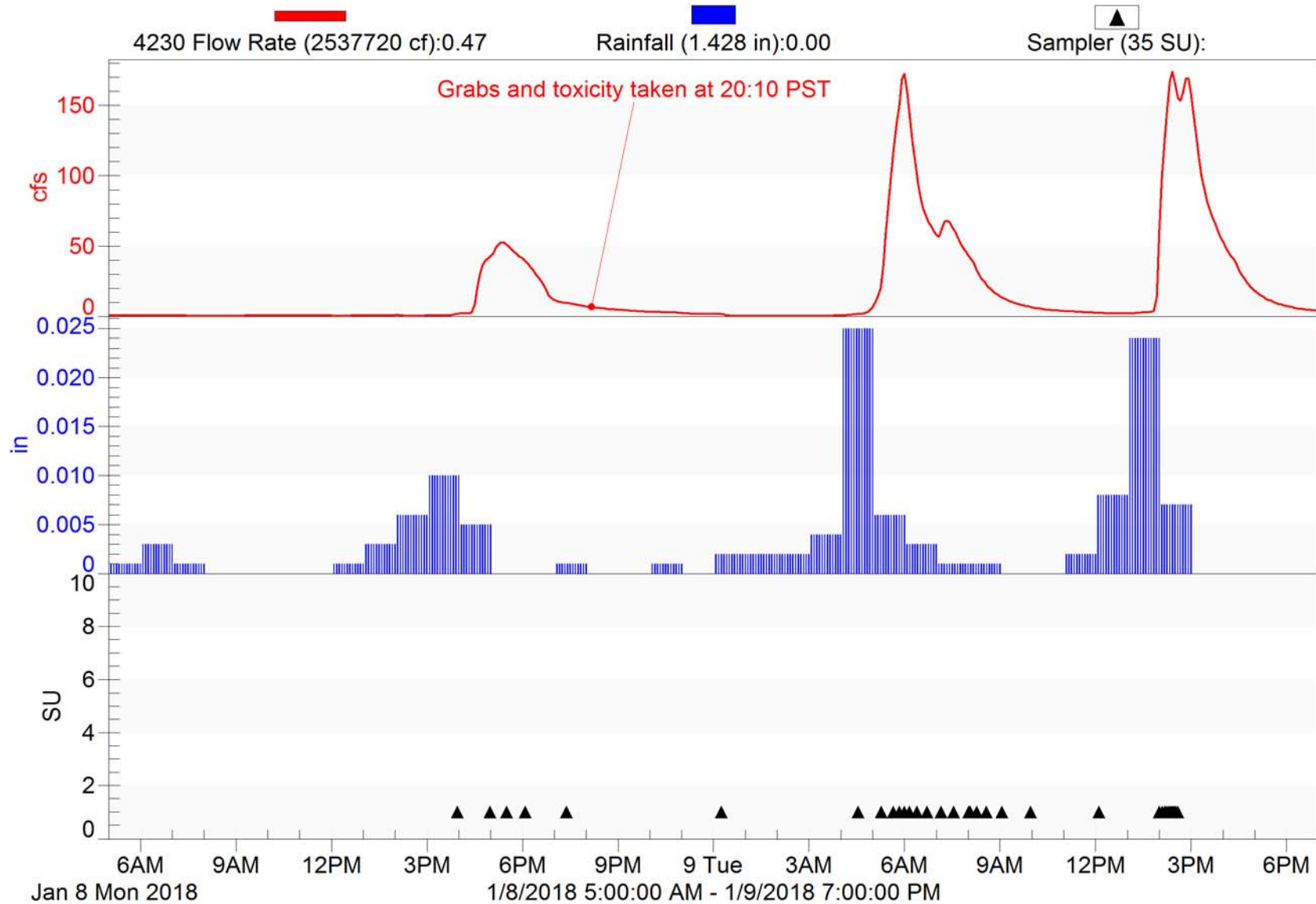


Simi Valley-1 2017/18 NPDES Event #3 (Wet)



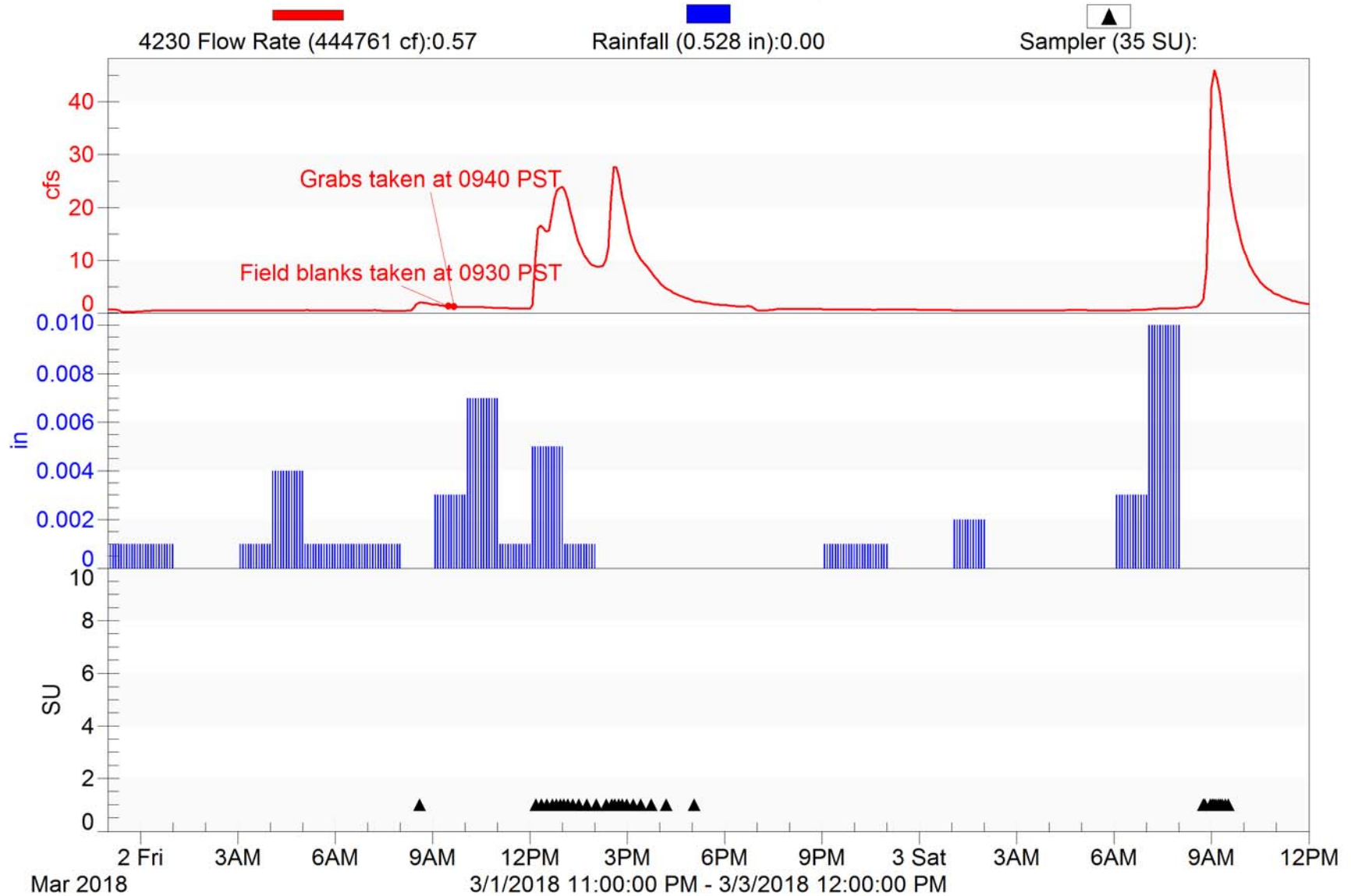
Thousand Oaks-1

2017/18 NPDES Event #1 (Wet)



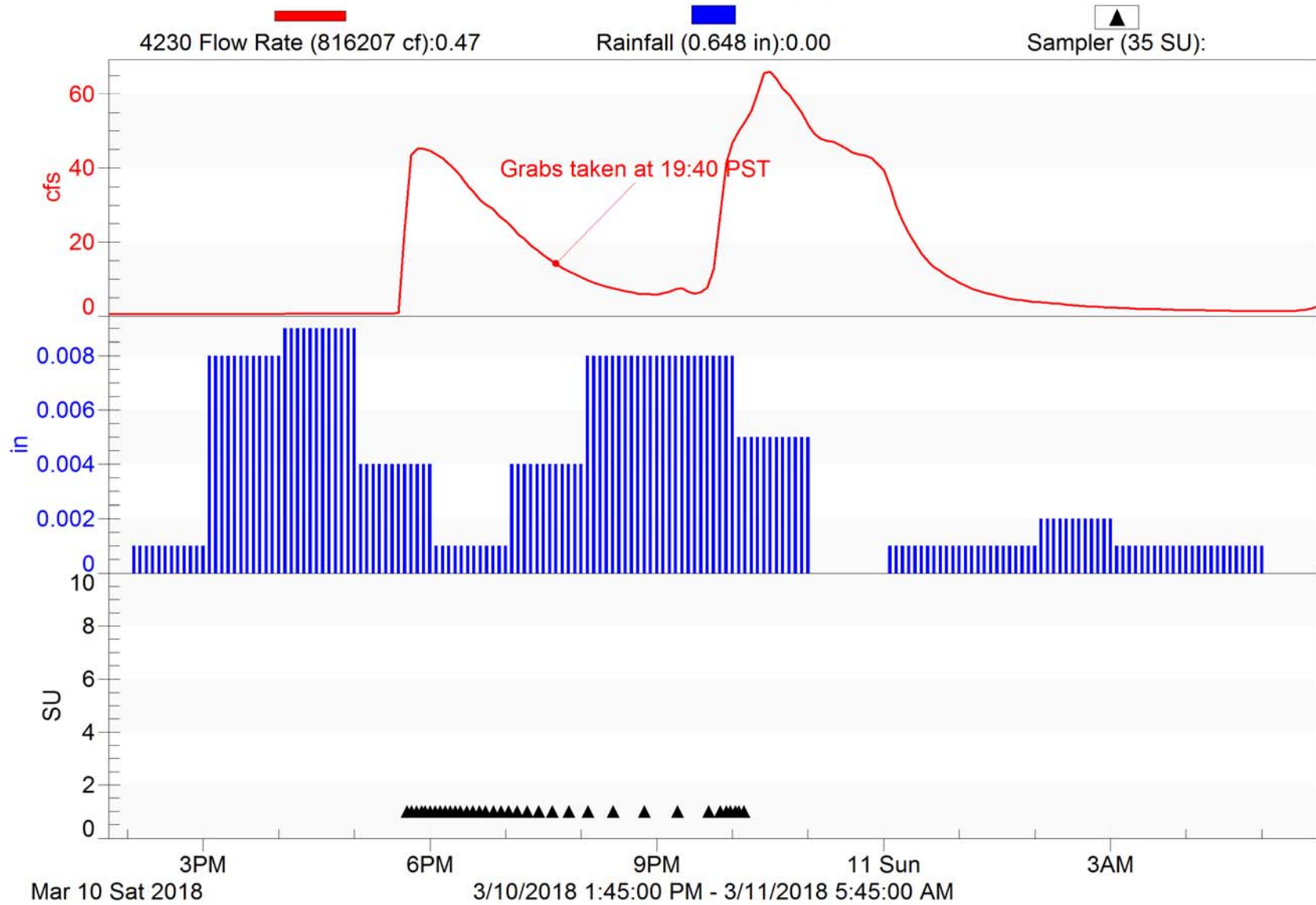
Thousand Oaks-1

2017/18 NPDES Event #2 (Wet)



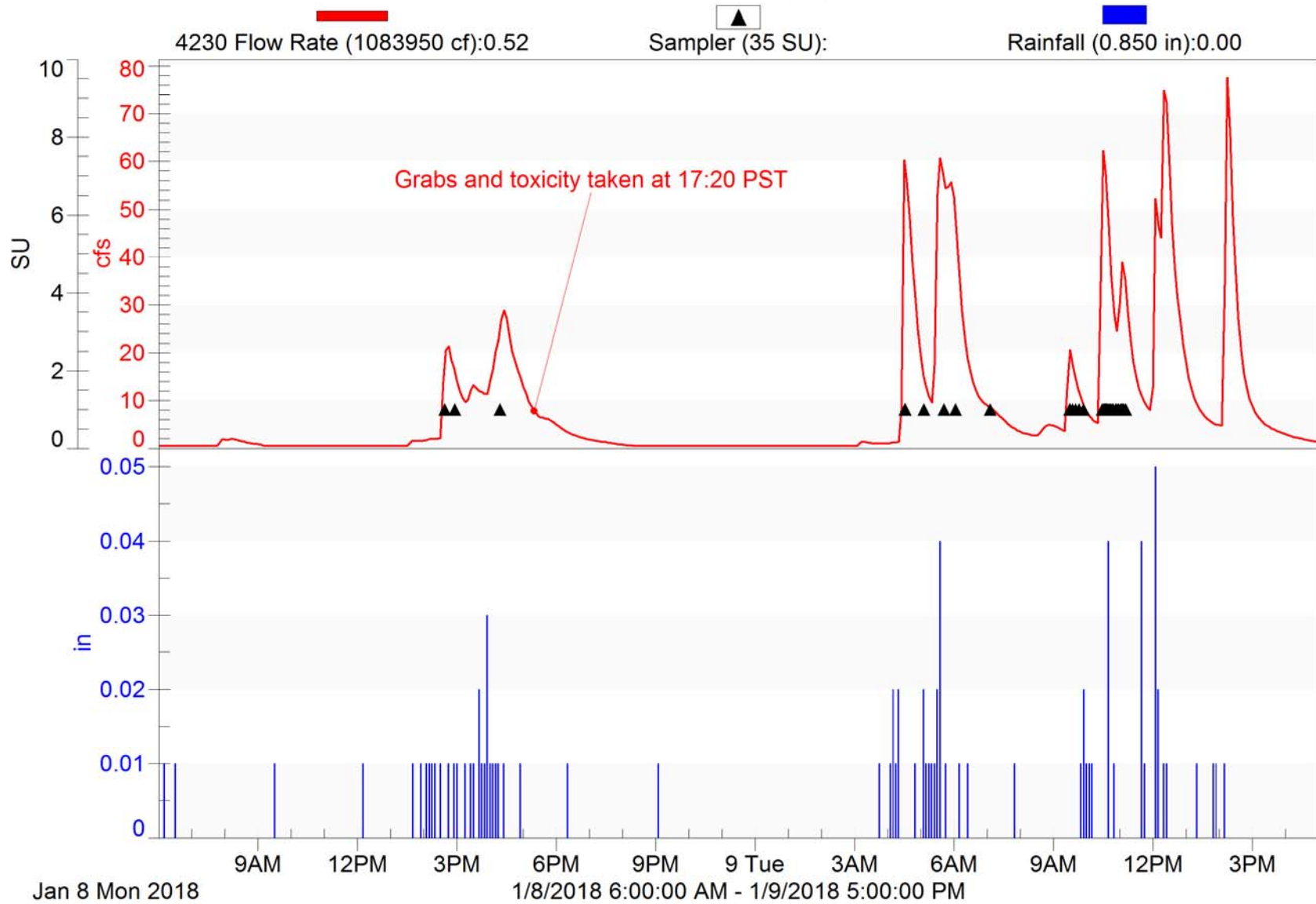
Thousand Oaks-1

2017/18 NPDES Event #3 (Wet)



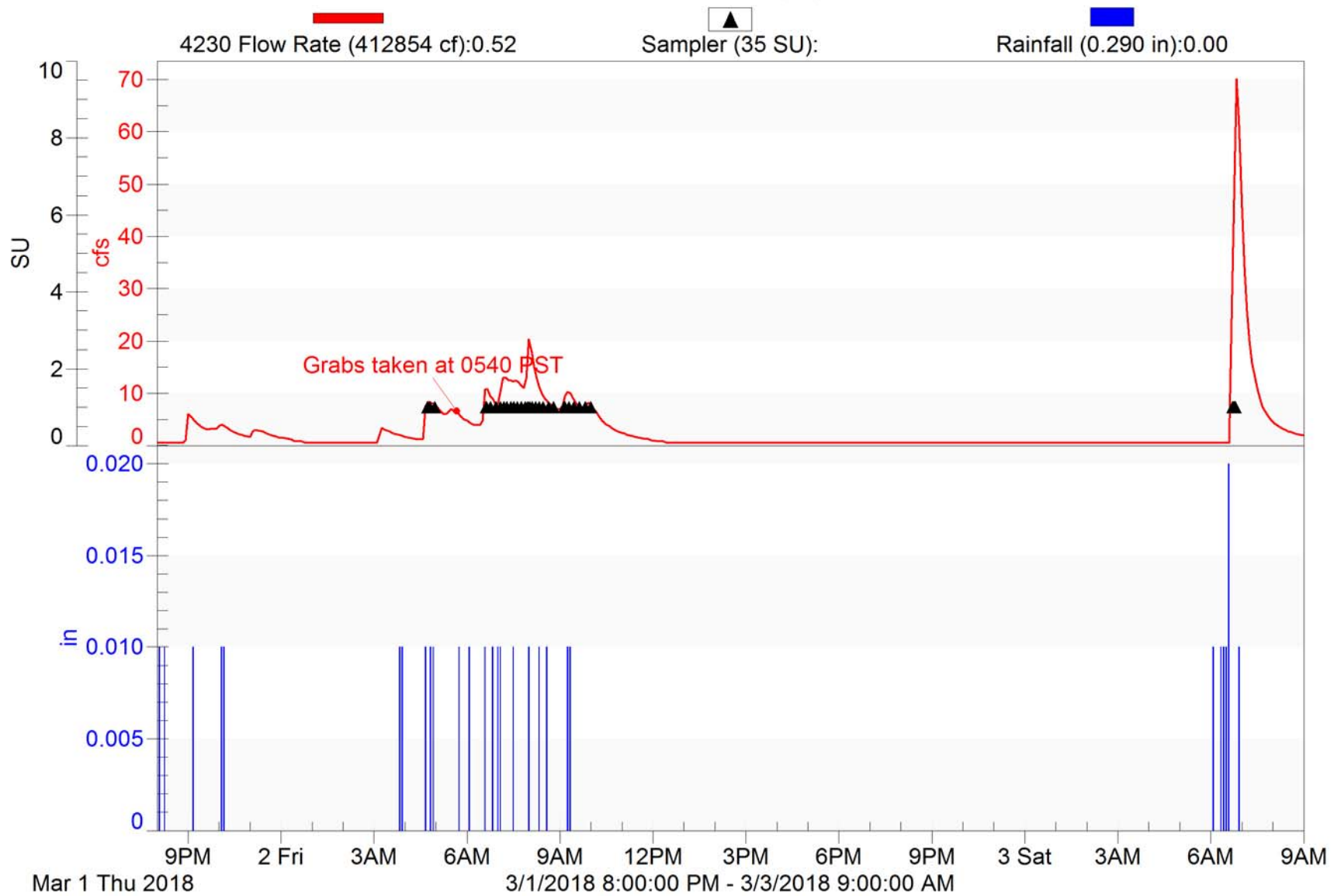
Ventura-1

2017/18 NPDES Event #1 (Wet)



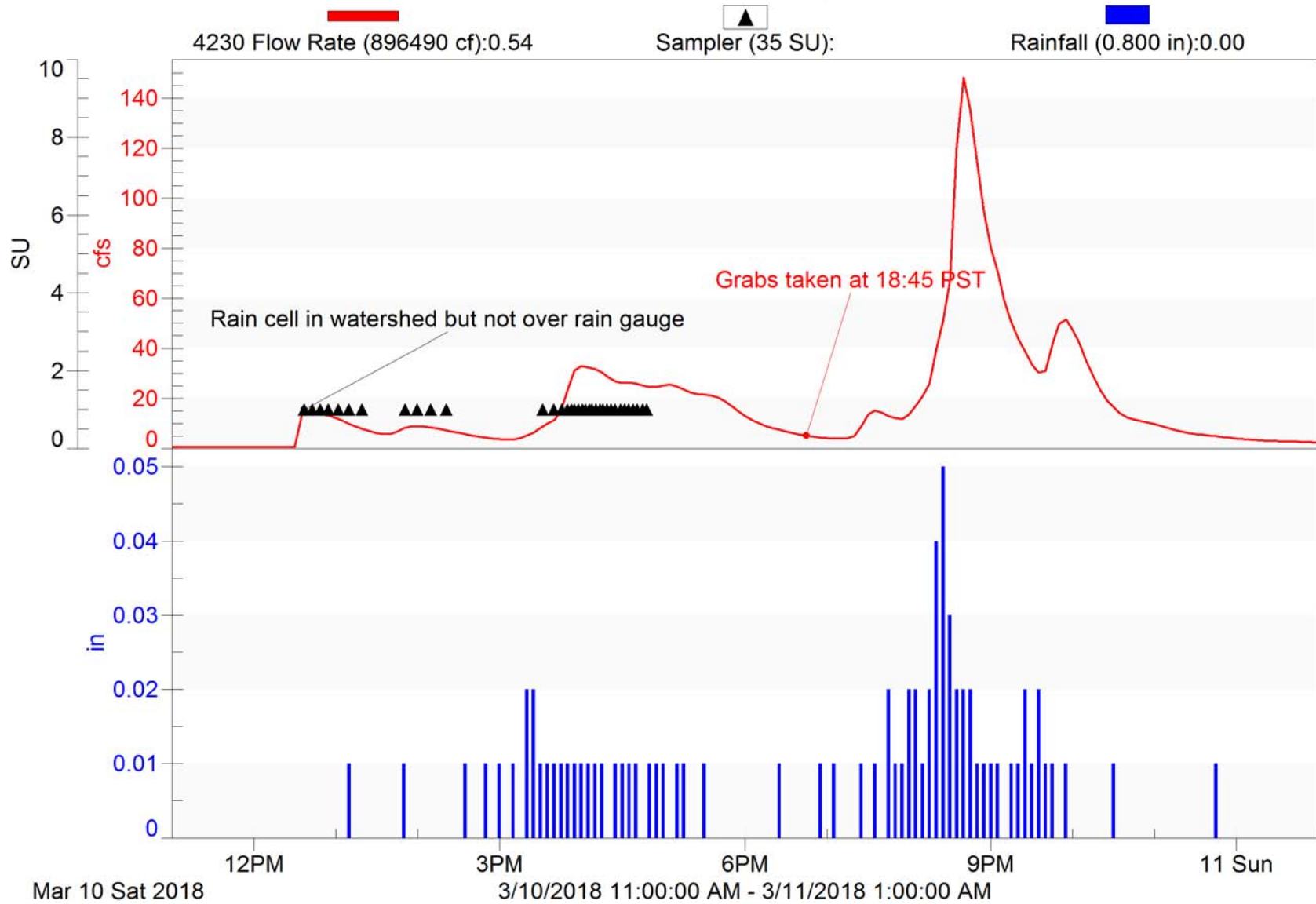
Ventura-1

2017/18 NPDES Event #2 (Wet)



Ventura-1

2017/18 NPDES Event #3 (Wet)



Appendix C. NRCS Curve Number Methodology Discussion



Ventura County Watershed Protection District

Planning & Regulatory Hydrology Section MEMORANDUM

DATE: September 4, 2009 Updated August 12, 2010

TO: Tommy Liddell

VIA: Bruce Rindahl

FROM: Mark Bandurraga

SUBJECT: NPDES Monitoring Site Yield Evaluation

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

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

Curve Number Calculation Methodology

Land Use Data

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

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

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

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

Soils Information

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

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

Combined Soils and Land Use Information and Weighted Curve Numbers

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

The results are shown in Table 2.

Table 2: Storm Yield Results- Weighted Average Curve Numbers

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

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

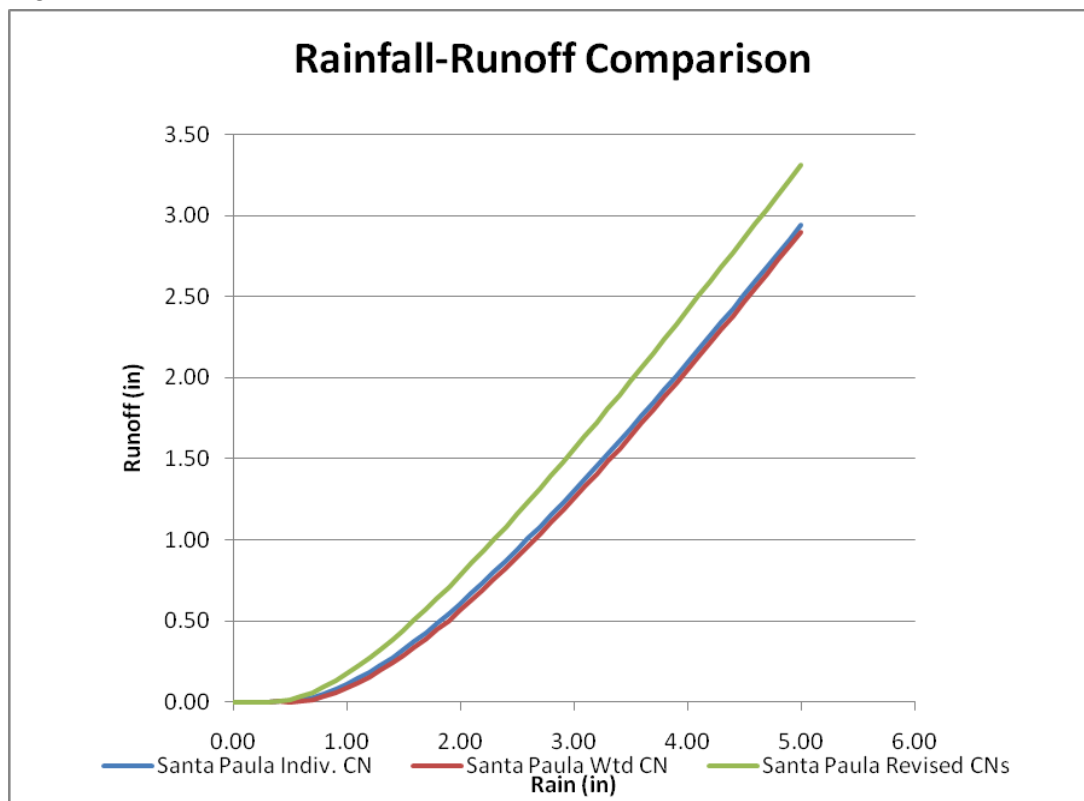
Table 3: Storm Yield Results- Weighted Average Curve Numbers with Updated CNs

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

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

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

Figure 1



Conclusions and Limitations

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

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

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

Ventura Watershed

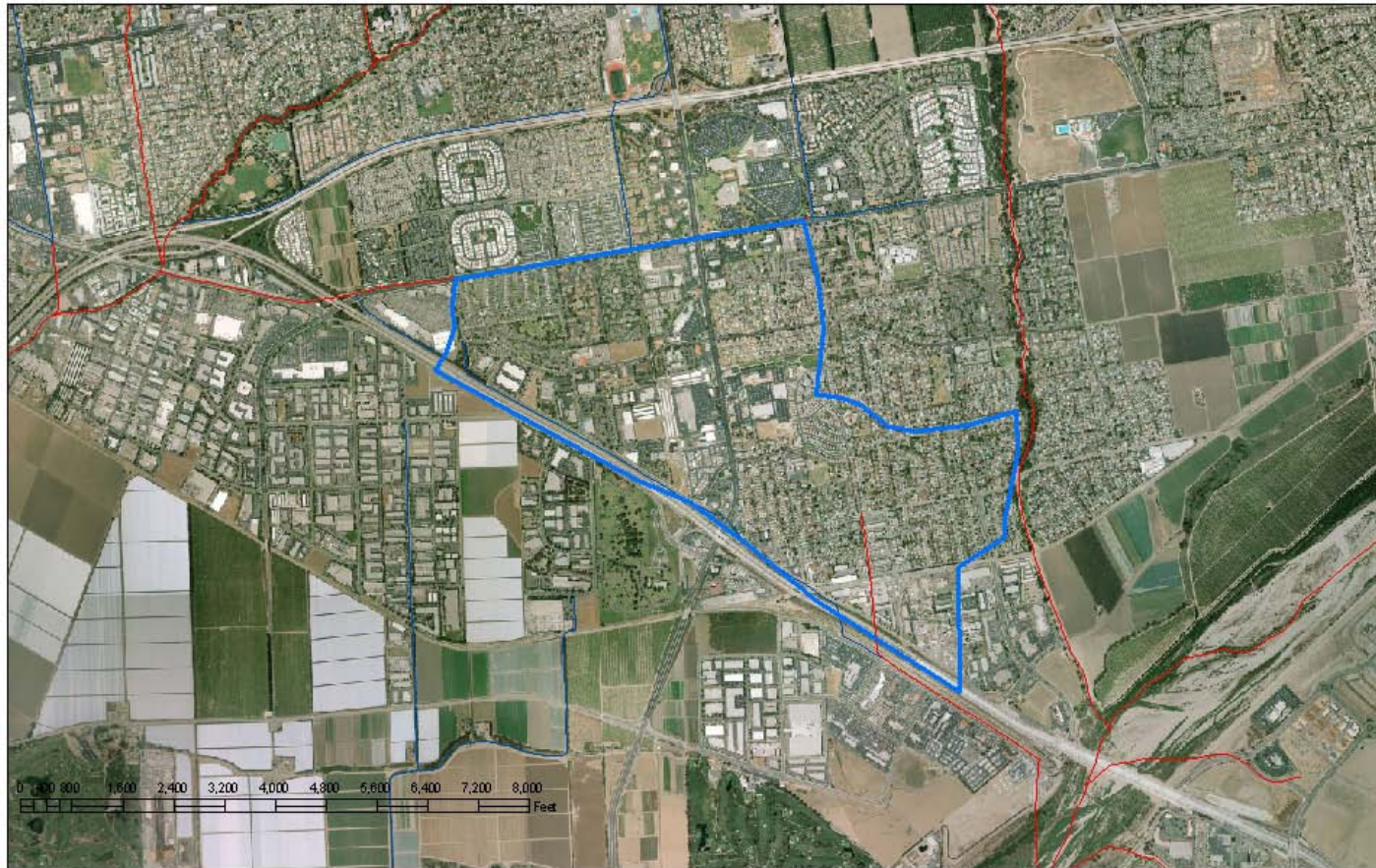


Figure 2

Meiners Oaks Happy Valley Watershed

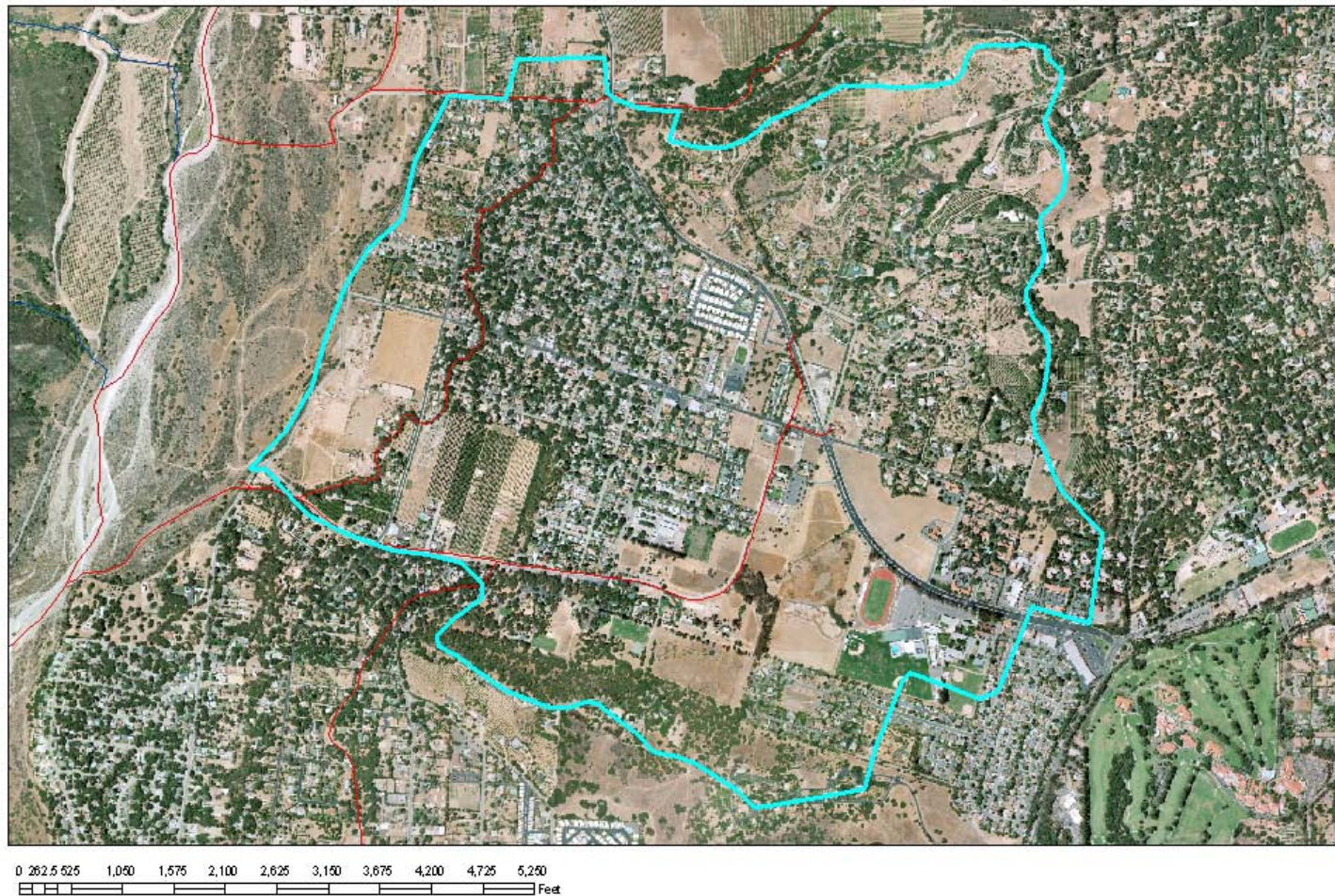


Figure 3

Ojai Fox Watershed

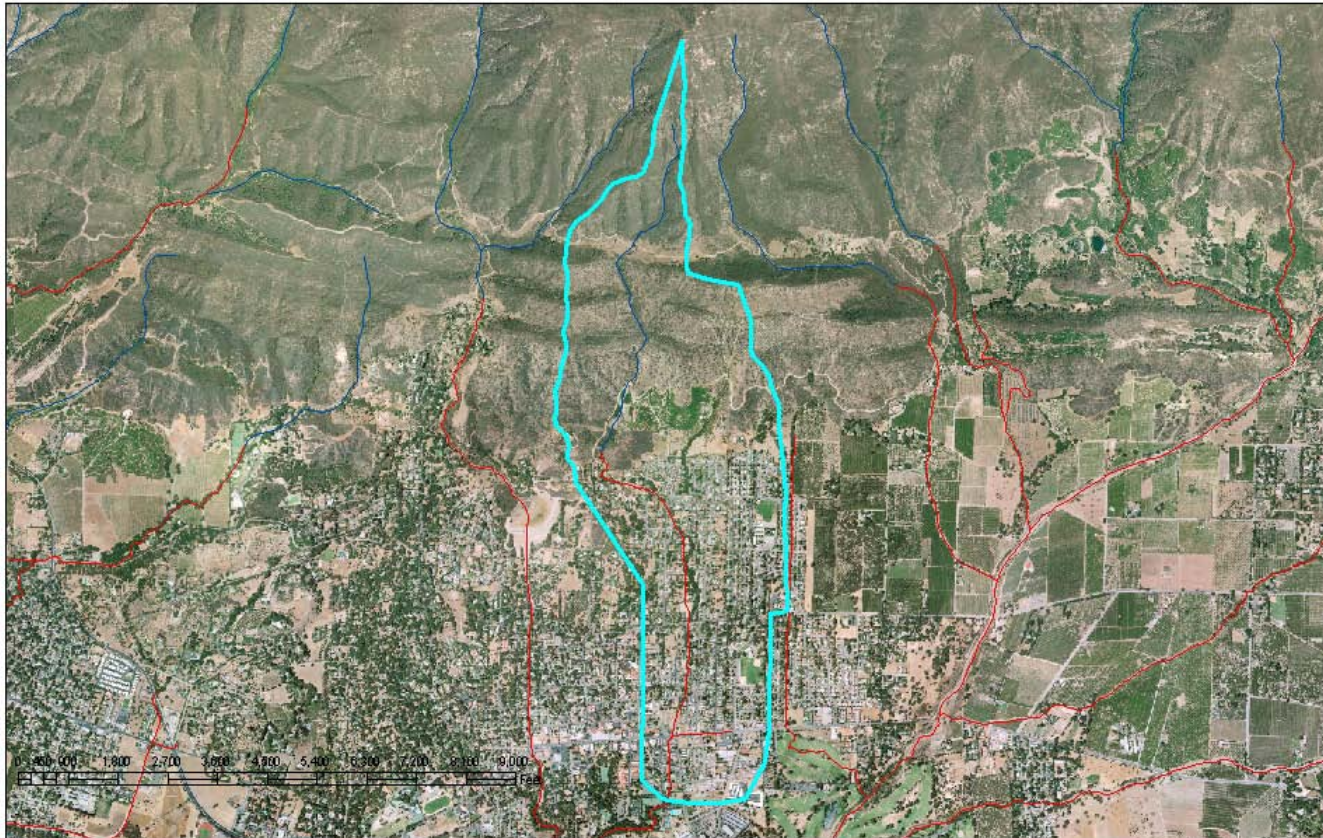


Figure 4

Camarillo Hills Drain Watershed

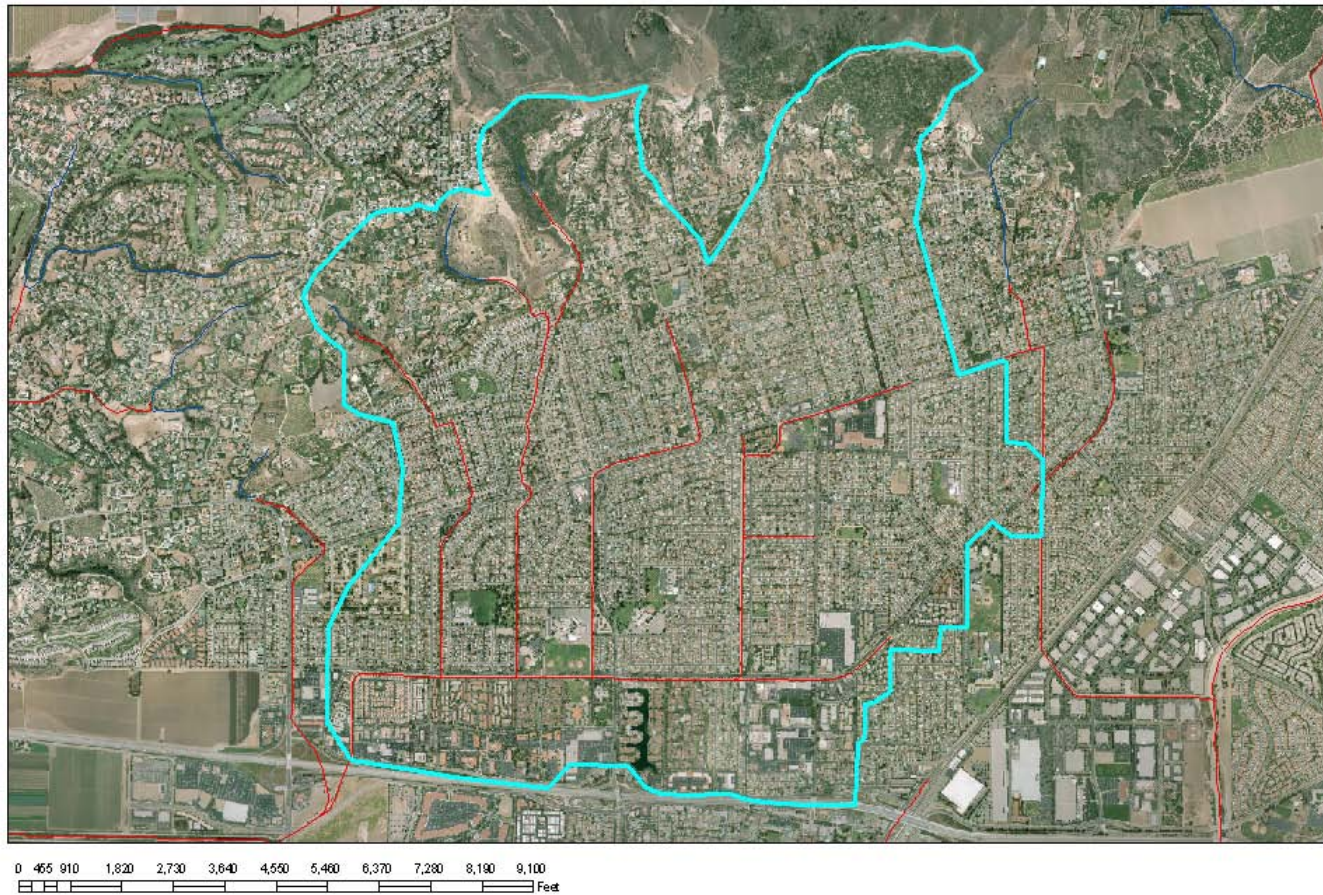


Figure 5

Simi Valley Watershed

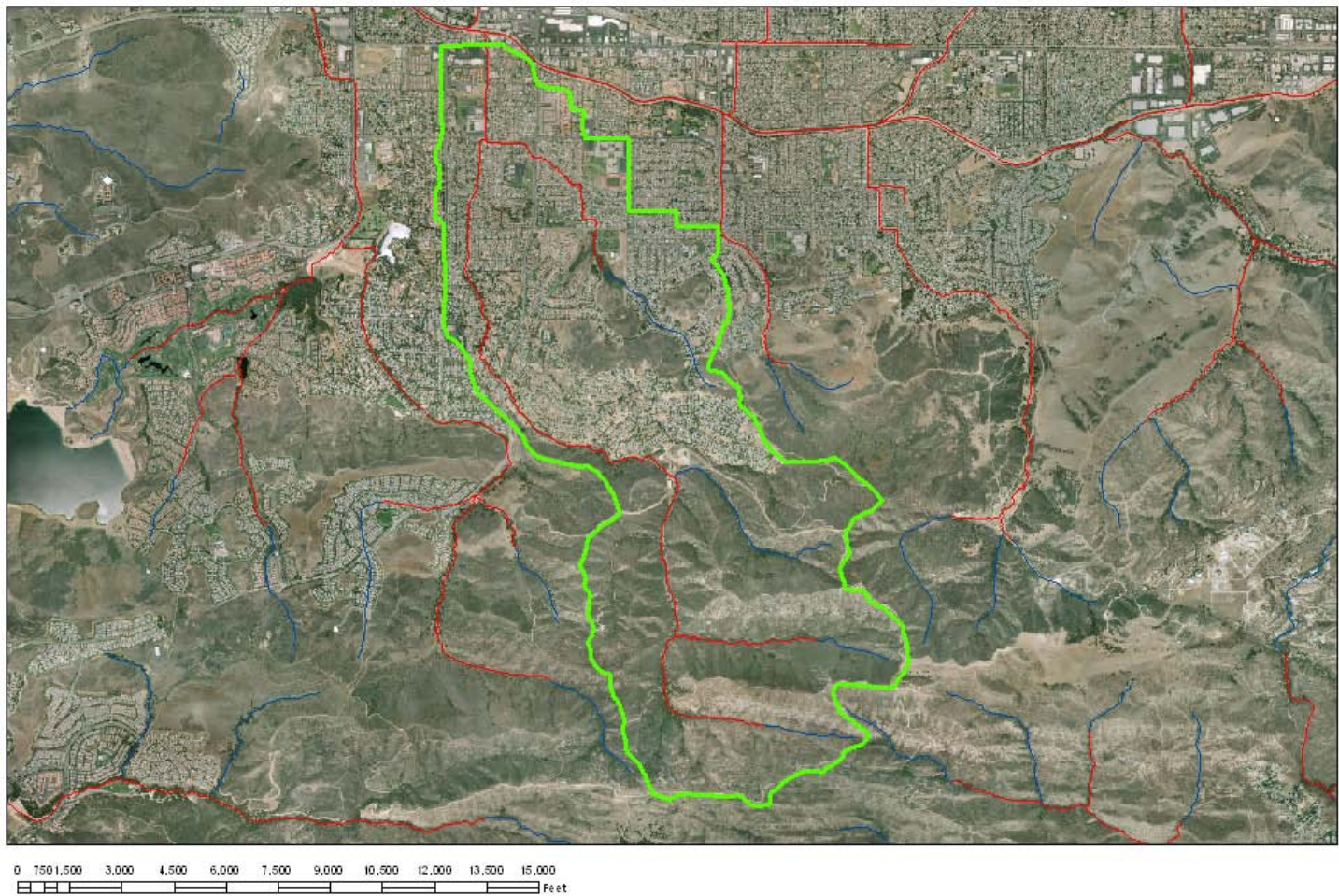


Figure 6

Oxnard Watershed



Figure 7

Moorpark Watershed

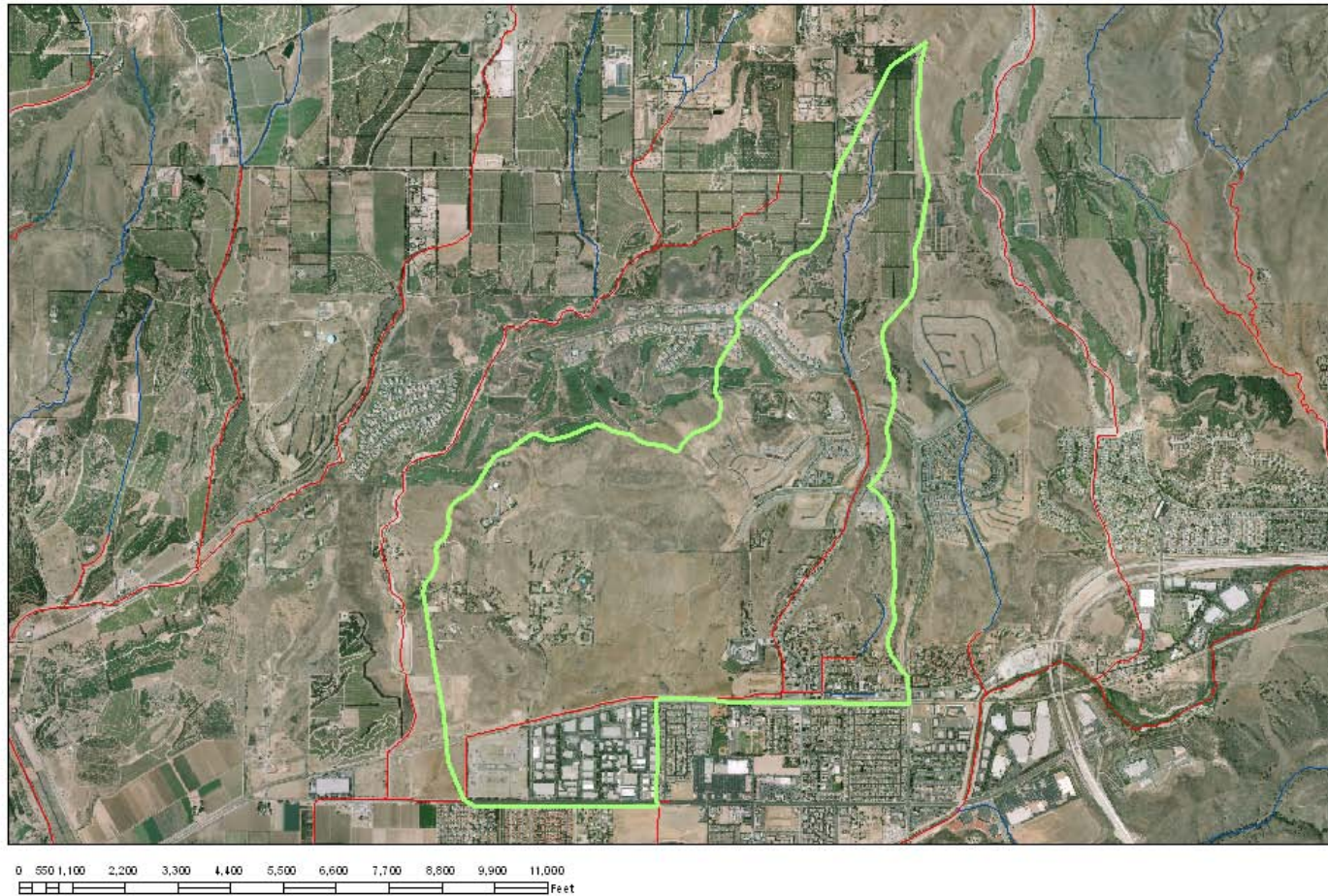


Figure 8

Port Hueneme Watershed

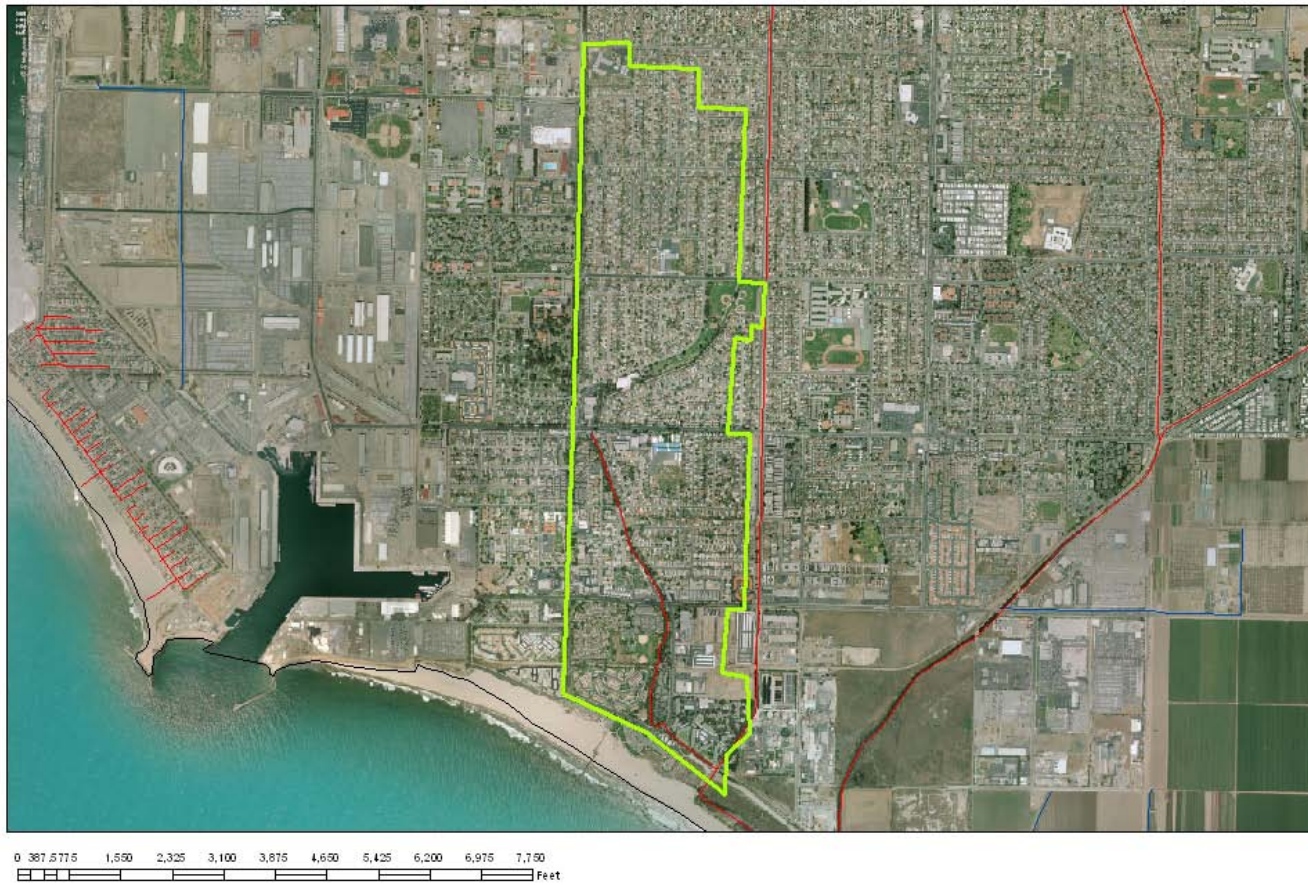


Figure 9

Fillmore Watershed



Figure 10

Thousand Oaks Watershed



Figure 11

Santa Paula Watershed

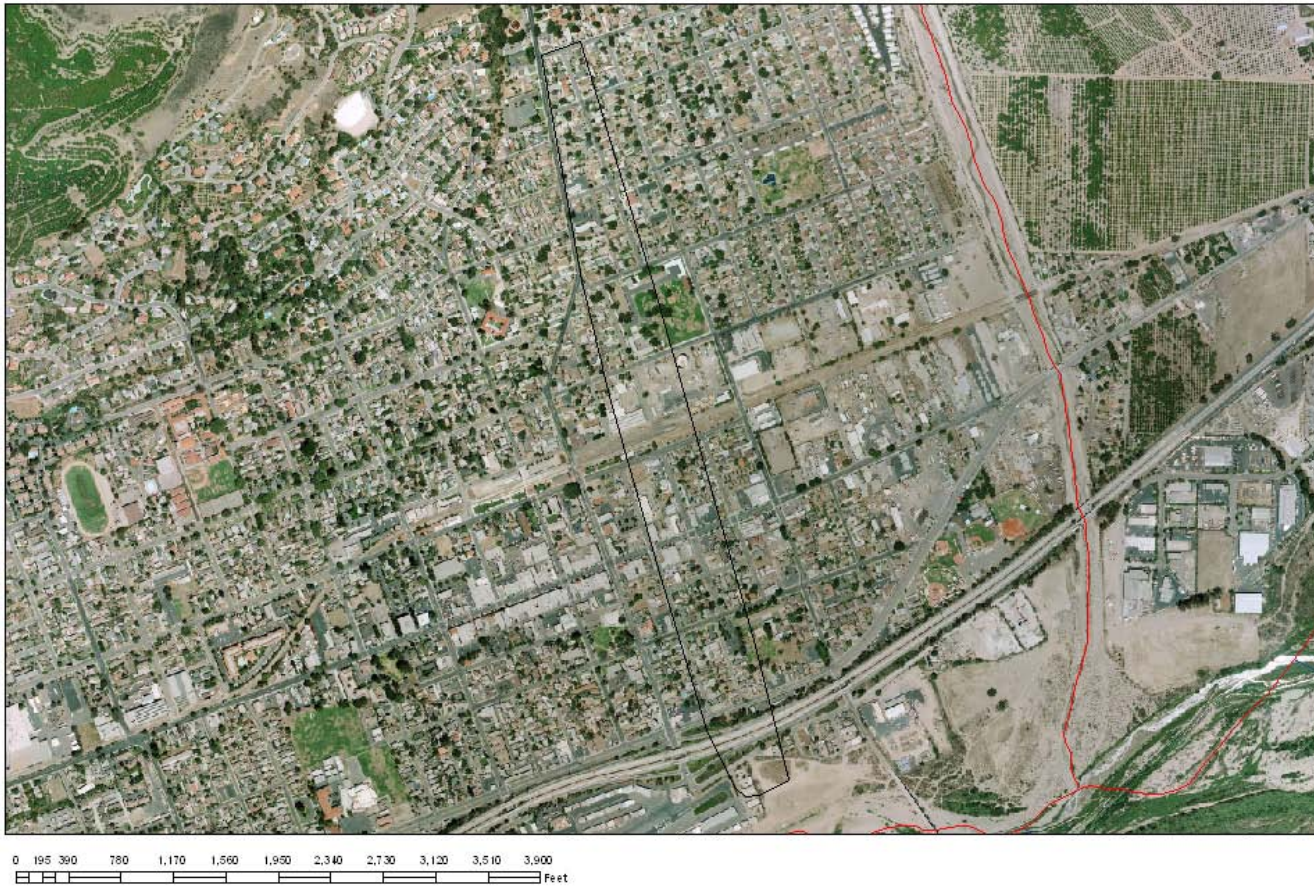


Figure 12

Appendix D. Event Summaries

														Comp bottle	Duration					
														status/ Estimated Vol (L)	(nearest half hrs)	Comp Time	Grab Time	Toxicity Time		
Site	Event	Visit	Staff	Date	Arrival Time	PST/ PDT	Flowmeter Level (feet)	Flowmeter Flow (cfs)	Outside Staff (ft)	Fridge T °C	Flush (L)	Pump Count	Program/6712 Display	Estimated Vol (L)					Notes	
ME-CC	1	1	LM	1/7/2018	1625	PST	1.059	5		Turned on	4L Distilled	109,716	Flow: 1 pulse/500mlx35, program disabled	Bottle in, lid off					Left grab & tox bottles	
ME-CC	1	2	JM,TS	1/9/2018	0940	PST	1.575	75		15			Sample 4 after 1 pulse				0940	0940	Fridge fuse ok. Added ice to fridge. Drained fridge. Turned fridge off, propped it open.	
ME-CC	1	3	LM,DW	1/10/2018	1030	PST	1.504	59		1	2L Distilled	491,787	Program done	Overflowed			1035			
ME-VR2	1	1	KH,DL	1/7/2018	1300	PST	1.088	NA	~1.11	1	4L Distilled		Flow: 1 pulse/500mlx35, program disabled	Bottle in, lid off					Left grab & tox bottles	
ME-VR2	1	2	JM,TS	1/9/2018	1110	PST	4.504	NA		3			Program done.	Full/overflowed			1110	1110	1110	
ME-VR2	1	3	KH,DL	1/10/2018	1155	PST	2.82	NA	~3' in sediment		4L Distilled	383,590	Program done.				1200		High water mark ~9'. Collected grabs for Regional Board. Intake location currently unknown (due to ~3' sediment deposition)	
ME-SCR	1	1	LM	1/7/2018	1735	PST	5.795	NA	NA	2	4L Distilled	55,590	Time: 41 min/500mlx35, program started, so changed start time to 0800	Bottle in, lid off					Left grab & tox bottles. Left outside light on. Lowered swing arm and removed rope (put in house).	
ME-SCR	1	2	WBC	1/8/2018	0752	PST							Connected 6712 to 2105.							
ME-SCR	1	3	JM,TS	1/9/2018	1245	PST	5.976			3			Reprogrammed for no delay to start, program disabled	Bottle full			1245	1245	1245	Collected grabs for Regional Board
MO-OJA	1	1	KH,DL	1/7/2018	1155	PST	0.101	5	<0.1 cfs	2	4L Distilled		Flow: 1 pulse/500mlx35, program disabled	Bottle in, lid off					Left grab & tox bottles	
MO-OJA	1	2	WBC,TS	1/8/2018	1300	PST	0.101	5	5 cfs est	1			Program disabled	OL			1315	1315		
MO-OJA	1	3	WBC	1/9/2018	0300	PST	0.22						Sample 3 in 1 pulse						Stage hadn't risen so visited site to check if debris was clogging bubbler. Stage rose while on way to site.	
MO-OJA	1	4	WBC	1/10/2018	1030	PST	0.1	5	NR	2	2L Distilled	105,933	Program done.	Bottle full			1030		Turned 6712 off	
MO-MEI	1	1	KH,DL	1/7/2018	1227	PST	0.08	1	Dry	Turned on	4L Distilled		Flow: 1 pulse/500mlx35, program disabled	Bottle in, lid off					Left grab & tox bottles. Cleared debris from near bubbler/intake.	
MO-MEI	1	2	WBC,TS	1/8/2018	1415	PST	0.75	1	~0.75	0			Program disabled	OL			1415	1415		
MO-MEI	1	3	WBC	1/10/2018	0950	PST	0.081	1		2	2L Distilled	96,486	Program done.	18.5L			0950		Turned fridge off and propped open with positioning rack.	
MO-FIL	1	1	LM	1/7/2018	1230	PST	0.044	NA		Turned on	4L Distilled	25,699	Time: 40 min/500mlx35, program disabled	Bottle in, lid off					Left grab & tox bottles	
MO-FIL	1	2	WBC,TS	1/8/2018	1645	PST	1.24	NA		0			Sample 5 in 00:07:30	2.5L			1645	1645	Sample 5 delivered 0mL so stopped program, took 6712 grab sample (delivered correctly), restarted program	
MO-FIL	1	3	KH,DL	1/10/2018	0907	PST	0.151	NA		2	4L Distilled	184,435	Program done.	18.5L			0910		Turned fridge off and propped open with positioning rack. Turned 6712 off.	
MO-OXN	1	1	KH,DL	1/7/2018	1520	PST	0.108	0.2	Dry	Turned on	4L Distilled		Flow: 1 pulse/500mlx35, program disabled	Bottle in, lid off					Left grab & tox bottles. Bubbler line torqued 90 degrees into air. Bent back to ~ 0.05' from toe. Needs fixed after event.	
MO-OXN	1	2	JM,DL	1/8/2018	1835	PST	0.225	1.4	~0.27	4			Sample 5 after 1 pulse				1840	1835		
MO-OXN	1	3	KH,DL	1/10/2018	1035	PST	0.109	0.2	<0.1 cfs	-4	4L Distilled	154,013	Program done. Errors have occurred (power failed/restored 1/8/18 @ 18:31).	17L			1035		Turned fridge off and propped open with positioning rack. Turned 6712 off.	
MO-CAM	1	1	KH,DL	1/7/2018	1450	PST	0.035	10	<0.1 cfs	Turned on	4L Distilled		Flow: 1 pulse/500mlx35, program disabled	Bottle in, lid off					Left grab & tox bottles	
MO-CAM	1	2	JM,DL	1/8/2018	2047	PST	0.033	10		0			Program disabled	3.5L			2047	2100		
MO-CAM	1	3	KH,DL	1/10/2018	1007	PST	0.031	10	<0.1	-2	4L Distilled	109,137	Program done.	17L + 2L ice			1010		Turned fridge off and propped open with positioning rack. Turned 6712 off.	
MO-SIM	1	1	LM	1/7/2018	1430	PST	0.141	2	wet to toe	Turned on	4L Distilled	15,703	Flow: 1 pulse/500mlx35, program disabled	Bottle in, lid off					Left grab & tox bottles	
MO-SIM	1	2	LM,PD	1/8/2018	1905	PST	0.145	2		3			Program disabled	4L			1910	1910		
MO-SIM	1	3	SG,DL	1/9/2018	1241	PST	0.412	22	0.4	4	4L Distilled	86,982	Program done.	18L			1240		Fridge needs turned off and propped open.	
MO-MPK	1	1	LM	1/7/2018	1330	PST	0.069	0.2	<0.1 cfs	Turned on	4L Distilled	20,390	Flow: 1 pulse/500mlx35, program disabled	Bottle in, lid off					Left grab & tox bottles	

MO-MPK	1	2	LM,PD	1/8/2018	1730	PST	0.145	1.5	4				Sample 5 after 1 pulse, Errors have occurred.	2L	1740	1740	Used bucket to fill samples (safety)
MO-MPK	1	3	LM,DW	1/10/2018	0905	PST	0.071	0.1	2	2L Distilled	177,060		Program done.	90% full	0910		Turned fridge off and propped it open.
MO-THO	1	1	LM	1/7/2018	1535	PST	2.041	0	2	0.5	4L Distilled	27,555	Flow: 1 pulse/500mlx35, program disabled	Bottle in, lid off			Left grab & tox bottles
MO-THO	1	2	LM,PD	1/8/2018	2008	PST	2.456	7	~2.5	2			Sample 6 after 1 pulse	4L	2010	2010	
MO-THO	1	3	LM,DW	1/10/2018	0945	PST	2.064	1	1.9	5	2L Distilled	187,363	Program done.	Full	0950		High water mark ~8'
MO-VEN	1	1	KH,DL	1/7/2018		PST					2L Distilled		Flow: 1 pulse/500mlx35, program disabled	Bottle in, lid off			Left grab & tox bottles
MO-VEN	1	2	JM,DL	1/8/2018	1707	PST	0.259	10		1			Sample 4 after 1 pulse	2L	1720	1707	
MO-VEN	1	3	SG,DL	1/9/2018	1345	PST	0.182	6		0	4L Distilled	95,745	Program done	18L	1345		Fridge needs turned off and propped open.
MO-HUE	1	1	KH,DL	1/7/2018	1400	PST	NA	NA		2	4L Distilled		Time: 40 min/500mlx35, program disabled	Bottle in, lid off			Left grab & tox bottles
MO-HUE	1	2	JM,DL	1/8/2018	1945	PST	NA	NA		3			Sample 10	3.5L	1945	1955	
MO-HUE	1	3	JM,TS	1/9/2018	1500	PST	NA	NA				NR	NR	NR	1500		program display? Site needs flushed, pump counts, etc.
MO-SPA	1	1	LM	1/7/2018	1200	PST	NA	NA	No flow	on	4L Distilled	26,990	Flow: 1 pulse/500mlx35, program disabled	Bottle in, lid off			Left grab & tox bottles
MO-SPA	1	2	WBC,TS	1/8/2018	1600	PST	NA	NA	NA	2			Sample 5 after 1 pulse	2L	1600	1600	
MO-SPA	1	3	SG,DL	1/9/2018	1430	PST	NA	NA	Flow present	-2	4L Distilled	177,411	Program done.	18L	1430		Fridge needs turned off and propped open.

Event Notes:

NR: Not recorded

All times are recorded here in PST

Forecast Rain: 2-4" coast and valleys, 1.5-6.5" mountains

Actual Rainfall: 0.6-2.5 coasts and valleys,

Storm Control: Kelly Hahs

Sample Tracking:

Bacteria samples to VCHCA:

01/08/2018 @ 17:40 (MEI/OJA/SPA/FIL) by WB Carey

01/08/2018 @ 21:15 (SIM/MPK/THO) by Lara Meeker

01/08/2018 @ 21:35 (VEN/OXN/HUE/CAM) by Jim McCrory and Dave Laal

01/09/2018 @ 13:55 (VR2/SCR/CC) by Jim McCrory

Toxicity samples to Pacific EcoRisk (via FedEx Custom Critical):

01/09/2018 @ 15:12 (All sites) by Kelly Hahs

Chemistry samples to Weck Laboratories, Inc. (via Weck-provided courier):

01/09/2018 @ 16:10 (All grabs plus composites for SCR/VR2/VEN/SPA/SIM/HUE) to Hector Sanchez by Kelly Hah

01/10/2018 @ 12:45 (Composites for SCR/VR2/VEN/SPA/SIM/HUE) to Einar Honegger by Bill Carey

Meters:

MEI/OJA/SPA/FIL: Beckman 255 # 2151, YSI 85 # 05E1126

THO/SIM/MPK: Beckman 255 #2554, YSI 85 #05E1042

VEN/OXN/HUE/CAM: Beckman 410 #NR, YSI 85 #NR

CC/SCR/VR2: Beckman 255 #2554, YSI 85 #05E1042

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

Site	Event	Visit	Staff	Date	Arrival Time	PST/PDT	Flowmeter	Flowmeter Flow (cfs)	Outside Staff (ft)	Fridge T °C	Flush (L)	Pump Count	Program/6712 Display	Comp bottle	Comp	Comp Time	Grab Time	Toxicity Time	Notes
							Level (feet)							status/ Estimated Vol (L)	Duration (nearest half hrs)				
ME-CC	2	1	KH,DL	2/28/2018	1245	PST	1.145	10	1.14	Added ice	4L Distilled	498,927	Flow: 1 pulse/500mlx35, program disabled	Bottle in, lid off					Left grab bottles. Replaced 4230 external desiccant
ME-CC	2	2	JM(GC),TS	3/2/2018	1200	PST	1.155	11		3			Program disabled	Empty			1200*		*Bacteria sample only
ME-CC	2	3	WBC,PD	3/3/2018	0915	PST	1.275	20	1.28	0	2L Distilled	669,299	Sample 16 after 1 pulse	18L		0915	0915**		All but bacteria
ME-VR2	2	1	KH,DL	2/28/2018	1500	PST	1.101		1.2	3	4L Distilled	383,590 Replaced auxiliary	Flow: 1 pulse/500mlx35, program disabled	Bottle in, lid off					Calibrated 6712. Left grab bottles + Regional Board sample bottles (ThomasFireRunoff). Replaced desiccant
ME-VR2	2	2	JM(GC),TS	3/2/2018	0835	PST	1.518			0			Sample 2 after 1 pulse	0.5L			0835		
ME-VR2	2	3	KH,DL	3/3/2018	0900	PST	1.994		2.59^	1	2L Distilled	377,790	Program done.	Overflowed		0907			^OSS at pond at wing wall (not currently in equilibrium with main channel where bubbler orifice is. HWM ~3'(?))
ME-SCR	2	1	KH,AS	3/1/2018	1155	PST	5.018			4	4L Distilled	279,262	Time: 20 min/500mlx35, program disabled	Bottle in, lid off					Left grab bottles + Regional Board sample bottles (ThomasFireRunoff). Swing arm already lowered
ME-SCR	2	2	JM(GC),TS	3/2/2018	1000	PST	5.356			2			Sample 19	Full			10:00		Remixed sample, dumped half, recalibrated 6712, reprogrammed for 17 samples.
ME-SCR	2	3	WBC,PD	3/3/2018	0759	PST	10.294			4	2L Distilled	550,681	Program done	16L		0758			Restarted program Raised swing arm
MO-OJA	2	1	WBC	3/1/2018	1015	PST	0.1	5	Trickle	3	4L Distilled	117,829	Flow: 1 pulse/500mlx35, program disabled	Bottle in, lid off					Left grab bottles + Regional Board sample bottles (ThomasFireRunoff). Replaced 4230 desiccant.
MO-OJA	2	2	SG,AS	3/2/2018	0108	PST	0.114	5		0			Program disabled	Empty			0120		
MO-OJA	2	3	JM(GC),TS	3/2/2018	0720	PST	0.212	15		2	2L Distilled	208,397	Program done.	NR		0720			
MO-MEI	2	1	WBC	2/28/2018	1458	PST	0.081	1	Dry	Turned on	4L Distilled	106,841	Flow: 1 pulse/500mlx35, program disabled	Bottle in, lid off					Left grab bottles + Regional Board sample bottles (ThomasFireRunoff)
MO-MEI	2	2	SG,AS	3/2/2018	0213	PST	0.133	3		0			Sample 14 after 1 pulse	20-30% full			0220		
MO-MEI	2	3	JM(GC),TS	3/2/2018	0755	PST	0.308	18		1	2L Distilled	190,848	Program done.	NR		0755			
MO-FIL	2	1	KH,AS	3/1/2018	1055	PST	0.28			Turned on	4L Distilled	189,694	Time: 20 min/500mlx35, program disabled	Bottle in, lid off					Left grab bottles. Replaced 4230 external desiccant. Cleared debris near intake/bubbler orifice
MO-FIL	2	2	SG,AS	3/2/2018	0343	PST	0.496			-4			Sample 16 in 00:07	30% full			0350		
MO-FIL	2	3	WBC	3/2/2018	1106	PST	0.727			-3	2L Distilled	341,804	Program done.	18.5L		1110			
MO-oxn	2	1	KH,DL	2/28/2018	1400	PST	0.106	0.2	dry +small ponds	Turned on	4L Distilled	159,730	Flow: 1 pulse/500mlx35, program disabled	Bottle in, lid off					Left grab bottles. Replaced 4230 external desiccant
MO-oxn	2	2	DL,PD	3/2/2018	0608	PST	0.109	0.2	0.1	0			Program disabled	Empty			0615		
MO-oxn	2	3	KH,DL	3/3/2018	0756	PST	0.296	2.4	0.38	5	2L Distilled	252,740	Sample 25 after 1 pulse	12.5L		0800			Bubbler still needs ressecured to wall
MO-CAM	2	1	KH,DL	2/28/2018	1334	PST	0.036	10	<0.1 cfs	Turned on	4L Distilled	114,861	Flow: 1 pulse/500mlx35, program disabled	Bottle in, lid off					Left grab bottles and field duplicate bottles. Replaced 4230 external desiccant
MO-CAM	2	2	DL,PD	3/2/2018	0423	PST	0.033	10	0.1 <toe	3			Program disabled	4L			0430		
MO-CAM	2	3	WBC,PD	3/3/2018	0839	PST	0.033		~8cfs	-2	2L Distilled	202,951	Program done.	17L		0839			
MO-SIM	2	1	KH,DL	2/28/2018	1105	PST	0.137	2		Turned on	4L Distilled	96,622	Flow: 1 pulse/500mlx35, program disabled	Bottle in, lid off					Left grab bottles and field blanks (+blankwater). Replaced 4230 external desiccant
MO-SIM	2	2	LM,JM(RE)	3/2/2018	0526	PST	0.218	6	0.2	2			Program disabled	Empty			0535		
MO-SIM	2	3	LM,JM(RE)	3/3/2018	0847	PST	0.252	8	0.2	4	4L Distilled	172,492	Program done.	Full		0850			
MO-MPK	2	1	KH,DL	2/28/2018	1000	PST	0.077	0.2	<bubbler	Turned on	4L Distilled	182,562	Flow: 1 pulse/500mlx35, program disabled	Bottle in, lid off					Left grab bottles. Replaced 4230 external desiccant. Cleared plant debris from near intake+ bubbler
MO-MPK	2	2	LM,JM(RE)	3/2/2018	0426	PST	0.071	0.1	<0.1 cfs	4			Program disabled	Empty			0435		
MO-MPK	2	3	LM,JM(RE)	3/3/2018	0800	PST	0.646	30.7	0.6	2	4L Distilled	321,498	Program done.	Full		0805			
MO-THO	2	1	KH,DL	2/28/2018	1200	PST	2	0	1.95	2	4L Distilled	192,881	Flow: 1 pulse/500mlx35, program disabled	Bottle in, lid off					Left grab bottles
MO-THO	2	2	LM,JM(RE)	3/2/2018	0625	PST	2.045	0	2	4				<1L			0940		No flow. Will come back later for grabs
MO-THO	2	2	LM,JM(RE)	3/2/2018	0926	PST	2.174	1	2.08	2			Program disabled	2L					Field blanks at 0930
MO-THO	2	3	LM,JM(RE)	3/3/2018	0937	PST	2.795	23	2.8	2	2L Distilled	NR	Program done.	Full		0940			HWM ~3'.

MO-VEN	2	1	KH,DL	2/28/2018	1435	PST	0.041	1	Dry	Turned on	4L Distilled	105,584	Flow: 1 pulse/500mlx35, program disabled	Bottle in, lid off			Left grab bottles + Regional Board sample bottles (ThomasFireRunoff). Replaced 4230 external desiccant
MO-VEN	2	2	DL,PD	3/2/2018	0521	PST	0.195	6	0.2	2			Program disabled	1L	0540		
MO-VEN	2	3	KH,DL	3/3/2018	0824	PST	0.125	3	0.1	5	2L Distilled	202,774	Program done. Errors occurred [sample 23, 28 (08:48, 09:38) No more liquid detected].	17.5L	0830		Left grab bottles + FWS pyrethroids study grab bottle
MO-HUE	2	1	KH,AS	3/1/2018	1255	PST	NA	NA	NR	2	4L Distilled	169,199	Time: 20 min/500mlx35, program disabled	Bottle in, lid off			
MO-HUE	2	2	DL,PD	3/2/2018	0700	PST	NA	NA	NR	2			Sample 2 in 00:12	<1L	0715		6712 purging since 0800. Had to disconnect power cable to power down. Keypad unresponsive
MO-HUE	2	3	WBC	3/2/2018	1600	PST	NA	NA					VOID EVENT DUE TO 6712 MALFUNCTION				
MO-SPA	2	1	KH,AS	3/1/2018	1005	PST	NA	NA	Dry	Turned on	4L Distilled	185,824	Flow: 1 pulse/500mlx35, program disabled	Bottle in, lid off			Left grab bottles + Regional Board sample bottles (ThomasFireRunoff)
MO-SPA	2	2	SG,AS	3/2/2018	0428	PST	NA	NA	Flow	0	2L Distilled	338,947	Program done	85 % full	0520	0435	

Event Notes:

NR: Not recorded

All times are recorded here in PST

Forecast Rain: Varied, mostly 1-3" mountains. Less for east county.

Actual Rainfall: 0.2-4 across the county

Storm Control: Kelly Hahs

Sample Tracking:

Bacteria samples to VCHCA:

03/02/2018 @ 06:25 (MEI/OJA/SPA/FIL) by Steven Greer

03/02/2018 @ 10:30 (SIM/MPK/THO+FB) by Lara Meeker

03/02/2018 @ 07:50 (VEN/OXN/HUE/CAM+FD) by Dave Laak

03/02/2018 @ 12:42 (VR2/SCR/CC) by Jim McCrory

Chemistry samples to Weck Laboratories, Inc. (via Weck-provided courier):

03/02/2018 @ 13:55 (All grabs except CC plus composites for MEI/OJA/SPA/FIL) to Hector Sanchez by Bill Carey

03/03/2018 @ 12:00 (Grabs for CC plus composites for CC/SCR/VR2/CAM/VEN/OXN/SPA/SIM/MPK/THO) to Jaime Posadas by Bill Carey

Meters:

MEI/OJA/SPA/FIL: NR

THO/SIM/MPK: Beckman 410 #130240875, YSI 85 #03D0379

VEN/OXN/HUE/CAM: Beckman 255 #2151, YSI 85 #05E1042

SCR/VR2: Beckman 410 #110341139, YSI 85 #01G0625

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

Site	Event	Visit	Staff	Date	Arrival Time	PST/ PDT	Flowmeter	Flowmeter Flow (cfs)	Outside	Fridge T	Flush (L)	Pump Count	Program/6712 Display	Comp bottle	Comp	Grab	Toxicity	Notes
							Level (feet)		Staff (ft)	°C				status/ Estimated Vol (L)	Duration (nearest half hrs)	Time	Time	
ME-CC	3	1	KH	3/9/2018	1402	PST	0.998	1	~1	Added ice	4L Distilled	718,325	Flow: 20 pulse/500mlx35, program disabled	Bottle in, lid off				Calibrated 6712. Left grab bottles + field duplicates Added a little ice, didn't need much. Collected field dups Change tubing CC. Emptied ice from fridge, propped open to drain, fridge light staying on
ME-CC	3	2	LM,AS	3/10/2018	2040	PST	1.282	21		5			Sample 1 while onsite	Empty		2045		
ME-CC	3	3	KH,LM	3/11/2018	1024	PDT	1.855	176	~1.8	4	2L Distilled	1,089,954	Program done	Full		1025		
ME-VR2	3	1	LM,DL	3/9/2018	1238	PST	1.123			-1, turned slightly cooler	4L Distilled	411,119	Flow: 128 pulse/500mlx35, program disabled Program disabled. Reprogrammed to 40 pulses. Sample 1 while onsite	Bottle in, lid off				Left grab bottles + Regional Board sample bottles (ThomasFireRunoff) Change both pump tubes before next event.
ME-VR2	3	2	DL,JM	3/10/2018	2037	PST	1.185			4			Sample 1 while onsite	Empty		2050		
ME-VR2	3	3	DL,PD	3/11/2018	0956	PDT	1.941		Took photos of HWM	3	2L Distilled	743,316	Program done. Warning replace pump tubing	Full, overflowed a little		1000		
ME-SCR	3	1	LM,DL	3/9/2018	0940	PST	6.198			5, turned slightly cooler	4L Distilled	NR	Time: 20 min/500mlx35, program disabled	Bottle in, lid off				Lowered swing arm, calibrated sampler, left grab bottles (+bacti field blank) + Regional Board sample bottles (ThomasFireRunoff) Collected bacti field blank Raised swing arm
ME-SCR	3	2	SG,PD	3/10/2018	1800	PST	6.081			0			Sample 6 in 14:45	NR		1805		
ME-SCR	3	3	KH,LM	3/11/2018	1118	PDT	6.282			4	2L Distilled	785,796	Program done	12L		1125		
MO-OJA	3	1	LM,DL	3/9/2018	1130	PST	0.1	5	<OSS, <0.1 cfs	2	4L Distilled	213,902	Flow: 7 pulse/500mlx35, program disabled	Bottle in, lid off				Left grab bottles + Regional Board sample bottles (ThomasFireRunoff)
MO-OJA	3	2	SG,PD	3/10/2018	1400	PST	0.1	5	~3 cfs <OSS,	0						1410		
MO-OJA	3	3	DL,PD	3/11/2018	0900	PDT	0.101	5	~0.5 CFS	4	2L Distilled	304,639	Program done	Full		0905		
MO-MEI	3	1	LM,DL	3/9/2018	1210	PST	0.082	1	Dry	Turned on	4L Distilled	195,803	Flow: 7 pulse/500mlx35, program disabled	Bottle in, lid off				Left grab bottles + Regional Board sample bottles (ThomasFireRunoff)
MO-MEI	3	2	SG,PD	3/10/2018	1440	PST	0.081	1	At toe	-2			Program disabled			1450		
MO-MEI	3	3	DL,PD	3/11/2018	0923	PDT	0.08	1	<OSS, ~0.5 CFS	1	2L Distilled	279,951	Program done	Full		0925		
MO-FIL	3	1	KH	3/9/2018	1055	PST	0.202				4L Distilled	347,655	Time: 20 min/500mlx35, program disabled	Bottle in, lid off				Left grab bottles
MO-FIL	3	2	SG,PD	3/10/2018	1550	PST	0.746			-2			Sample 4	15-20% full		1600		
MO-FIL	3	3	KH,LM	3/11/2018	0848	PDT	0.302			3	2L Distilled	499,007	Program done	18L		0850		
MO-OXN	3	1	DL	3/10/2018	0805	PST	0.108	0.2		Turned on	4L Distilled	257,527	Flow: 6 pulse/500mlx35, program disabled	Bottle in, lid off				Left grab bottles. Light burnt out in house. Bubbler still needs resecured to channel, therefore 4230 stage reads low
MO-OXN	3	2	DL,JM	3/10/2018	1752	PST	0.673	11.3	0.8	-2	2L Distilled	389,464	Finished while on site. Program done	16L		1815	1800	
MO-CAM	3	1	KH	3/9/2018	1513	PST	0.035	10	<0.01 cfs	Turned on	4L Distilled	208,607	Flow: 15 pulse/500mlx35, program disabled	Bottle in, lid off				
MO-CAM	3	2	DL,JM	3/10/2018	1701	PST	0.342	51	0.3	5	2L Distilled	296,046	Finished while on site. Program done	17L		1725	1710	Left grab bottles
MO-SIM	3	1	KH	3/9/2018	135	PST	0.139	2	Wet at bubbler	Turned on	4L Distilled	177,719	Flow: 6 pulse/500mlx35, program disabled	Bottle in, lid off				
MO-SIM	3	2	LM,AS	3/10/2018	1820	PST	0.297	11	0.25	2	2L Distilled	251,844	Program done	Full		1850	1835	
MO-MPK	3	1	KH	3/9/2018	1135	PST	0.075	NR	<0.01 cfs	Turned on	4L Distilled	326,460	Flow: 1 pulse/500mlx35, program disabled	Bottle in, lid off				Left grab bottles. 2105 direct connect to set pacing
MO-MPK	3	2	LM,AS	3/10/2018	1715	PST	0.213	3.7	0.2	4	2L Distilled	464,137	Program done	Full		1725	1730	
MO-THO	3	1	KH	3/9/2018	1320	PST	2.013	NR	~2.1	2	4L Distilled	359,009	Flow: 20 pulse/500mlx35, program disabled	Bottle in, lid off				
MO-THO	3	2	LM,AS	3/10/2018	1930	PST	2.69	16	2.6	3			Sample 23 after 10 pulses	1/2 full		1940		Left grab bottles
MO-THO	3	3	KH,LM	3/11/2018	0945	PDT	2.21	NR	2.18	4	2L Distilled	520,161	Program done	18L		0945		
MO-VEN	3	1	DL	3/10/2018	0723	PST	0.04	1	<OSS (thalweg only)	Turned on	4L Distilled	207,493	Flow: 10 pulse/500mlx35, program disabled	Bottle in, lid off				

MO-VEN	3	2	DLJM	3/10/2018	1837	PST	0.185	6	0.19	4	2L Distilled	304,294	Program done. Errors have occurred.	18L	1907	1845	
MO-HUE	3	1	DL	3/10/2018	0852	PST	NA	NA		4	4L Distilled	6,100	Time: 20 min/500mlx35, program disabled	Bottle in, lid off			Left grab bottles + UCSB bottle (pyrethroids study)
MO-HUE	3	2	DLJM	3/10/2018	1937	PST	NA	NA	4.4	3			Sample 13 in 00:17	1/3 full		1945	
MO-HUE	3	3	DL,PD	3/11/2018	1051	PDT	NA	NA		2	2L Distilled	158,628	Program done	Full		1055	
MO-SPA	3	1	KH	3/9/2018	1015	PST	NA	NA	<0.001 cfs	Turned on	4L Distilled	343,956	Flow: 5 pulse/500mlx35, program disabled	Bottle in, lid off			Left grab bottles + Regional Board sample bottles (ThomasFireRunoff)
MO-SPA	3	2	SG,PD	3/10/2018	1629	PST	NA	NA	Flowing	0	2L Distilled	497,277	Sample 26 after 2 pulses, program done	NR, 17L		1725 1635	

Event Notes:

Times in PDT not PST

NR: Not recorded

3/11/2018 started PDT. Times prior to 3/11 are PST. Times on 3/11 are PDT

Forecast Rain: 0.25-1" across County, with wettest being west county (up to SLO) southwest facing slopes receiving up to 1-;

Actual Rainfall: 0.6-1.2" across county

Storm Control: Kelly Hahs

Sample Tracking:

Bacteria samples to VCHCA (to Lauren Stead):

03/10/2018 @ 18:51 PST (MEI/OJA/SPA/FIL/SCR+FB) by S Greer

03/10/2018 @ 21:42 (SIM/MPK/THO/CC+FD) by Lara Meeker

03/10/2018 @ 21:45 (VEN/OXN/HUE/CAM/VR2) by D Laak

Chemistry samples to Weck Laboratories, Inc. (via Weck-provided courier):

03/11/2018 @ 14:00 (All grabs and composites for all sites) to Hugo Chavez (Essential Courier) by Kelly Hah:

Meters:

MEI/OJA/SPA/FIL/SCR:

THO/SIM/MPK/CC: Beckman 255 #2151, YSI 85 #05E1042

VEN/OXN/HUE/CAM/VR2: Beckman 255 #2554, YSI 85 #05E1126

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

Site	Event	Visit	Staff	Date	Arrival Time	PST/ PDT	Flowmeter	Flowmeter Flow (cfs)	Outside Staff (ft)	Fridge T °C	Flush (L)	Pump Count	Program/6712 Display	Comp bottle status/ Estimated Vol (L)	Comp	Grab Time	Toxicity Time	Notes
							Level (feet)								Duration (nearest half hrs)			
MO-HUE	4	1	KH	3/20/2018	0920	PDT	NA	NA		2	4L Distilled	164,574	Time: 41 min/500mlx35, program disabled	Bottle in, lid off				Grab bottles + field duplicates + UCSB bottle (pyrethroids study) prepped for site Water very dark. Pumphouse pumps running.
MO-HUE	4	2	DL,LM	3/21/2018	117	PDT	NA	NA		4				4.5L		1125		
MO-HUE	4	3	WBC,KH	3/22/2018	0818	PDT	NA	NA		4	2L Distilled	318,122	Program done	17.5L	0820			

Event Notes:

Times in PDT not PST

NR: Not recorded

Forecast Rain: 2-6" coast and valleys over several days

Actual Rainfall: 2.5-6" across county

Storm Control: Kelly Hahs

Sample Tracking:

Bacteria samples to VCHCA (to Nadia West):

03/21/2018 @ 12:20 PDT (HUE) by Lara Meeker

Chemistry samples to Weck Laboratories, Inc. (via Weck courier):

03/22/2018 @ 09:05 PDT (HUE grabs and composite) to Hector Sanchez by Kelly Hahs

Meters:

HUE: Beckman 410 #110341139, YSI 85 #05E1126

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

Site	Event	Visit	Staff	Date	Arrival Time	PST/PDT	Flowmeter	Flowmeter Flow (cfs)	Outside Staff (ft)	Fridge T °C	Flush (L)	Pump Count	Program/6712 Display	Comp bottle status/ Estimated Vol (L)	Comp	Grab Time	Toxicity Time	Notes
							Level (feet)								Duration (nearest half hrs)			
ME-SCR	5	1	KH,WBC	6/5/2018	1040	PDT	6.525			4	4L Distilled	792,669	Time: 41 min/500mlx35	Bottle in, lid off. Sample 1 vol good.				Lowered swing arm and secured to rail to keep above sediment in channel. Fridge stuck on so turned off. Raised swing arm.
ME-SCR	5	2	WBC,AS	6/6/2018	1037	PDT	6.552			-10	2L Distilled	989,182	Program done	10L		1040	1045	
MO-FIL	5	1	KH,WBC	6/5/2018	0800	PDT	0.391--> 0.354			Turned on	4L Distilled	504,928	Time: 41 min/500mlx35	Bottle in, lid off. Sample 1 vol good.				Cleared sediment in channel from near intake and bubbler to redirect flow past them. 4230 dessicant pink.
MO-FIL	5	2	WBC,AS	6/6/2018	0742	PDT	0.316			4	4L Distilled		Program done	Full		0745	0745	Turned fridge and 6712 off.
MO-OXN	5	1	KH,WBC	6/5/2018	0930	PDT	0.109	0.2	Channel Dry	Turned on	4L Distilled	394,924	Time: 30 min/500mlx35, delay start 6 hrs. Program"Start 15:50 TU 5-JUN".	Bottle in, lid off				Channel completely dry. Delayed start 6 hours in case flow starts. Used silicone dam for sampling.
MO-OXN	5	2	WBC,AS	6/6/2018	0957	PDT	0.11	0.3	Channel Dry	4		634,978	Program done. Errors have occurred.	Empty				Program errors: No liquid detected samples 1-35.
MO-VEN	5	1	KH,WBC	6/5/2018	0855	PDT	0.041		<<oss (trickle)	Turned on	4L Distilled	310,288	Time: 41 min/500mlx35	Bottle in, lid off. Sample 1 vol good.				Used silicone dam and calibration line for sampling.
MO-VEN	5	2	WBC,AS	6/6/2018	0905	PDT	0.098	2	<<oss (trickle)	2	4L Distilled	459,333	Program done. Errors have occurred.	6L		0915	0920	Turned fridge and 6712 off. Removed dam.
MO-SPA	5	1	KH,WBC	6/5/2018	0730	PDT	DRY		DRY	Turned on	4L Distilled	503,265	Programmed to sample every 1 pulse.	Bottle in, lid off				Used silicone dam in case of overnight flow. No flow so no samples taken.Turned off fridge and 6712.
MO-SPA	5	2	WBC,AS	6/6/2018	0720	PDT	DRY		DRY	NR	4L Distilled		Sample 1 after 1 pulse.	DRY				
ME-CC	5	1	KH,WBC	5/29/2018	1012	PDT	NR			Broken. Added ice.	4L Distilled	Replaced	Time: 41 min/500mlx35	Bottle in, lid off. Sample 1 vol good.				Calibrated sample volume. Removed ice from fridge, propped lid open.
ME-CC	5	2	KH,LM	5/30/2018	1043	PDT	1.055			4	4L Distilled	409,178	Program done	Overflowed		1045	1055	Turned 6712 off.
MO-CAM	5	1	KH,WBC	5/29/2018	1105	PDT	0.033	10	<<oss (trickle)	Turned on	4L Distilled	303,198	Time: 41 min/500mlx35	Bottle in, lid off. Sample 1 vol good.				Used silicone dam and calibration line for sampling.
MO-CAM	5	2	KH,LM	5/30/2018	1130	PDT	0.035	10	<<oss (trickle)	5	4L Distilled	393,443	Program done.	18L		1135	1145	Turned fridge and 6712 off. Removed dam.
MO-SIM	5	1	KH,WBC	5/29/2018	0835	PDT	0.153	2	~0.15	Turned on	4L Distilled	258,094	Time: 41 min/500mlx35	Bottle in, lid off. Sample 1 vol good.				Used calibration line for sampling.
MO-SIM	5	2	KH,LM	5/30/2018	0830	PDT	0.167	3		0	4L Distilled	335,531	Program done.	17L		0900	0840	
MO-MPK	5	1	KH,WBC	5/29/2018	0755	PDT	0.075	0.2	<<oss (trickle)	Turned on	4L Distilled	469,323	Time: 41 min/500mlx35	Bottle in, lid off. Sample 1 vol good.				Used silicone dam and calibration line for sampling. Unplugged 6712 from 2015ci.
MO-MPK	5	2	KH,LM	5/30/2018	0750	PDT	0.072	0.2	No flow	2	4L Distilled	681,919	Program done. Errors have occurred: No liquid detected Sample 7-35 (11:10-06:18).	3L		0800	Dry	Channel was scraped. Equipment was moved. Flow stopped sometime overnight so no grabs. Limited volume sample.
MO-THO	5	1	KH,WBC	5/29/2018	0917	PDT	2.032	0		2	4L Distilled	526,140	Time: 41 min/500mlx35	Bottle in, lid off. Sample 1 vol good.				One YSI reading erratically so switched to other meter for measurements. Turned 6712 off.
MO-THO	5	2	KH,LM	5/30/2018	0945	PDT	2.02	0		4	4L Distilled	691,428	Program done.	18L		0950	0950	
MO-HUE	5	1	KH,WBC	5/29/2018	1148	PDT	NA			3	4L Distilled		Time: 41 min/500mlx35	Bottle in, lid off. Sample 1 vol good.				
MO-HUE	5	2	KH,LM	5/30/2018	1245	PDT	NA			4	NA	NA	Stuck in purge cycle sample 23. Smell burning rubber. Unplugged power to 6712 (keypad not working).	9L		1245	1255	Dead bird at steps near grab sample area. Can't flush lines or check programming.
ME-VR2	5	1	KH,WBC	6/20/2018	0920	PDT	1.073			0	4L Distilled	Replaced upper and lower tubes	Time: 41 min/500mlx35	Bottle in, lid off. Sample 1 vol good.				Replaced dessicant external 4230 and internal 2105ci. Calibrate amount good.

ME-VR2	5	2	KH,WBC	6/21/2018	1110	PDT	1.051		4	4L Distilled	354,696	Program done.	18L but evidence of overflow.	1110	1115		Crack in comp bottle base resulting in leakage. Inverted, transported to shop and transferred to undamaged comp bottle for shipment to laboratory.
MO-OJA	5	1	KH,WBC	6/20/2018	0820	PDT	0.101	5	<<oss (trickle)	2	4L Distilled	310,256	Time: 41 min/500mlx35	Bottle in, lid off. Sample 1 vol good.			Cleared debris and leaf litter from area near intake. Used silicone dam and calibration line for sampling.
MO-OJA	5	2	KH,WBC	6/21/2018	0920	PDT	0.099	5	<<oss (trickle)	4	4L Distilled	404,757	Program done.	18L	0925	0925	Turned fridge and 6712 off. Removed dam.
MO-MEI	5	1	KH,WBC	6/20/2018		PDT	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	Has been dry for weeks. No evidence of recent flow
MO-MEI	5	2	KH,WBC	6/21/2018		PDT	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	Has been dry for weeks. No evidence of recent flow

Event Notes:

NA: Not applicable

NR: Not recorded

Sample Tracking:

Bacteria samples to VCHCA:

05/30/18 @ 13:44 PDT (CC/CAM/SIM/THO/HUE) by Kelly Hahs

06/06/18 @ 11:40 PDT (SCR/FIL/VEN) by WB Carey

06/21/18 @ 12:00 PDT (VR2/OJA) by Kelly Hahs

Toxicity samples to ABC:

NA

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

05/30/18 @ 14:55 PDT (CC/CAM/MPK(CompOnly)/SIM/THO/HUE) by Kelly Hahs to David Levy (Reliable Messenger Service)

06/06/18 @ 15:30 PDT (SCR/FIL/VEN) by WB Carey to David Levy (Reliable Messenger Service)

06/21/18 @ 13:30 PDT (VR2/OJA) by Kelly Hahs to Allan Goldberg (Weck Labs)

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

Appendix E. Chain-of Custody Forms



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

7H11065

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

Sampling Date:

8/10/17 + 8/11/17

Project Number: 2017/18-PRE

Sampling Team:

K. HATS, WB CAREY

SAMPLE ID	DATE/TIME COLLECTED	EPA 525.2	EPA 625-CTR	EPA 200.8* (total only, see list in side bar) EPA 245.1. Hg (total only)	No action required	Clean with detergent and HNO3 (see notes #2)	Please dispose of per Lab SOP	Bottle Quantity	NOTES
EB lines	8/10/17 10:15	4	2	1				7	See note #1
EB composite	8/11/17 10:30	X	X	X				1	To be split in lab. See note #1
20 L carboy and lid						X		1	Please place tape or plastic bag over top
Blue cube cooler					X			1	
Black bag					X			1	
Waste Dilute HNO3									

Relinquished

Printed Name

Kelly Hats

Signature

Kelly Hats

Affiliation

VCWPD

Date/Time

8/11/17 / 1034

Received

Printed Name

Carlos Navarro

Signature

Carlos Navarro

Affiliation

Weck Labs

Date/Time

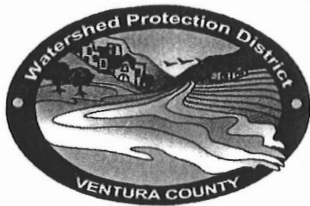
8/11/17 / 1034

Other Notes:

1. Please use for MS/MSD analysis when sample volume permits.

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

Carlos Navarro 8/11/17 307 1.30



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

Sampling Date: 1-8-2018 Project Number: 2017/18-1 (Wet)

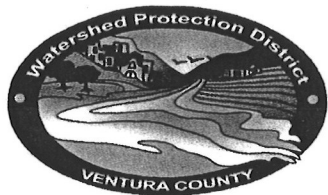
Sampling Team: Lara Meeker & Peter Doran

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (25 Tube Method - MPNX)	Fecal Coliform (25 Tube Method - MPNX)	Enterococcus (Tray Method - WQ IDEXX)	E. coli (Tray Method - WQ IDEXX)	Total Coliform (Tray Method - WQ IDEXX)		Number of Bottles	NOTES
	MO-SPA		X	X		X	X		1	
	MO-FIL		X	X		X	X		1	
	MO-SIM	19:10 1/8/18	X	X		X	X		1	
	MO-MPK	1/8/18 17:40	X	X		X	X		1	
	MO-THO	1/8/18 20:10	X	X		X	X		1	
	MO-oxn		X	X		X	X		1	
	MO-HUE		X	X		X	X		1	

Relinquished Printed Name Lara Meeker
 Signature WPD [Signature]
 Affiliation WPD Date/Time 1/8/18 21:15

Received Printed Name [Signature]
 Signature [Signature]
 Affiliation PHL Date/Time 1/8/18 21:15

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



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

Sampling Date: 1/8/18 Project Number: 2017/18-1 (Wet)

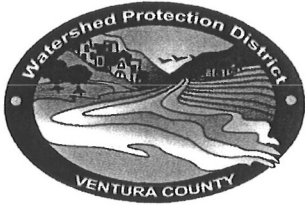
Sampling Team: J. McCray, D. Laak

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (25 Tube Method - MPNX)	Fecal Coliform (25 Tube Method - MPNX)	Enterococcus (Tray Method - WQ IDEXX)	E. coli (Tray Method - WQ IDEXX)	Total Coliform (Tray Method - WQ IDEXX)		Number of Bottles	NOTES
ME-CC	ME-CC		X	X	X	X	X		1	
ME-SCR	ME-SCR		X	X	X	X	X		1	
ME-VR2	ME-VR2		X	X	X	X	X		1	
MO-CAM		1/8/18 2047	X	X		X	X		1	
MO-OJA	MO-OJA		X	X		X	X		1	
MO-MEI	MO-MEI		X	X		X	X		1	
MO-VEN		1/8/18 1720	X	X		X	X		1	
EB-1	EB-1		X	X		X	X		1	

Relinquished Printed Name David Laak
 Signature [Signature]
 Affiliation VCHCA Date/Time 1/8/18 21:35

Received Printed Name Nadira U. Bure
 Signature [Signature]
 Affiliation PH Labs Date/Time 1/8/18 21:35

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



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

Sampling Date: 1/8/18 Project Number: 2017/18-1 (Wet)

Sampling Team: see side 1

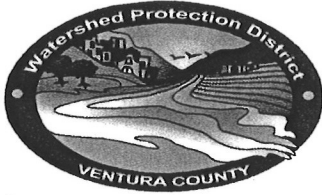
LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (25 Tube Method - MPNX)	Fecal Coliform (25 Tube Method - MPNX)	Enterococcus (Tray Method - WQ IDEXX)	E. coli (Tray Method - WQ IDEXX)	Total Coliform (Tray Method - WQ IDEXX)			Number of Bottles	NOTES
MO-SPA	MO-SPA		X	X		X	X			1	
MO-FIL	MO-FIL		X	X		X	X			1	
MO-SIM	MO-SIM		X	X		X	X			1	
MO-MPK	MO-MPK		X	X		X	X			1	
MO-THO	MO-THO		X	X		X	X			1	
MO-OXN	MO-OXN	1/8/18 1840	X	X		X	X			1	
MO-HUE	MO-HUE	1/8/18 1945	X	X		X	X			1	

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

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

see side 1

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



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

Sampling Date: 1/9/18 Project Number: 2017/18-1 (Wet)

Sampling Team: J. McCrory, J. McCrory, T. Schmidt

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (25 Tube Method - MPNX)	Fecal Coliform (25 Tube Method - MPNX)	E. coli (Tray Method - WQ IDEXX)	Total Coliform (Tray Method - WQ IDEXX)	Number of Bottles	NOTES
	ME-CC	1-9-18/9:40	X	X	X	X	1	
	ME-SCR	1-9-18/12:45	X	X	X	X	1	
	ME-VR2	1-9-18/11:10	X	X	X	X	1	
	FB 1		X	X	X	X	1	

Relinquished Printed Name Jim McCrory

Signature [Signature]

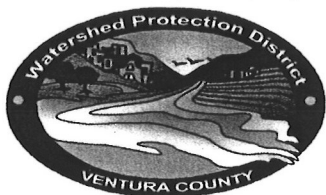
Affiliation (GCE) VCHCA Date/Time 1-9-18/11:53

Received Printed Name Nadia Van Buren

Signature [Signature]

Affiliation PH LAB Date/Time 01/09/18 1355

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



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

Sampling Date: 1-8-18

Project Number: 2017/18-1 (Wet)

Sampling Team: WBC & TS

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (25 Tube Method - MPNX)	Fecal Coliform (25 Tube Method - MPNX)	Enterococcus (Tray Method - WQ IDEXX)	E. coli (Tray Method - WQ IDEXX)	Total Coliform (Tray Method - WQ IDEXX)			Number of Bottles	NOTES
	ME-CC		X	X	X	X	X			1	
	ME-SCR		X	X	X	X	X			1	
	ME-VR2		X	X	X	X	X			1	
	MO-CAM		X	X		X	X			1	
	MO-OJA	1/8/18 13:15	X	X		X	X			1	
	MO-MEI	1/8/18 14:15	X	X		X	X			1	
	MO-VEN		X	X		X	X			1	
	FB-1		X	X		X	X			1	

Relinquished Printed Name W-B. CAREY

Signature W.B. Carey

Affiliation VCWPP Date/Time 1-8-18/1740

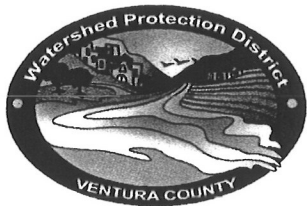
Received Printed Name Nadia Van Buren

Signature [Signature]

Affiliation PH Lab Date/Time 01/08/18 @ 1740

Other Notes: Perform bacteriological analyses within 6 hours of sample collection time

1:10 1:100, and 1:1000 dilutions for ~~Enterococcus~~ and E. coli



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

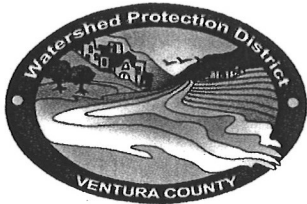
Sampling Date: 1-8-18 Project Number: 2017/18-1 (Wet)
 Sampling Team: WBC & TS

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (25 Tube Method - MPNX)	Fecal Coliform (25 Tube Method - MPNX)	Enterococcus (Tray Method - WQ IDEXX)	E. coli (Tray Method - WQ IDEXX)	Total Coliform (Tray Method - WQ IDEXX)			Number of Bottles	NOTES
	MO-SPA	1/8/18 16:00	X	X		X	X			1	
	MO-FIL	1/8/18 16:45	X	X		X	X			1	
	MO-SIM		X	X		X	X			1	
	MO-MPK		X	X		X	X			1	
	MO-THO		X	X		X	X			1	
	MO-oxn		X	X		X	X			1	
	MO-HUE		X	X		X	X			1	

Relinquished Printed Name W.B. CAREY
 Signature W.B. Carey
 Affiliation VCWPD Date/Time 1-8-18 / 1740

Received Printed Name Nadia Van Buren
 Signature [Signature]
 Affiliation PH Lab Date/Time 01/08/18 1740

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



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

Sampling Date: 1/8/18 Project Number: 2017/18-1 (Wet)

Sampling Team: Lara Meekler & Peter Doran

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	DNA Filter													Number of Bottles	NOTES
	MO-SPA		X													1	2 DNA Filters
	MO-FIL		X													1	2 DNA Filters
	MO-SIM	1/8/18 19:10	X													1	2 DNA Filters
	MO-MPK	1/8/18 17:40	X													1	2 DNA Filters
	MO-THO	1/8/18 20:10	X													1	2 DNA Filters
	MO-EXN		X													1	2 DNA Filters
	MO-HUE		X													1	2 DNA Filters

Relinquished Printed Name Lara Meekler
 Signature WPD Jan Mun
 Affiliation _____ Date/Time 1/8/18 21:15

Received Printed Name Nadia Van Buren
 Signature [Signature]
 Affiliation PH Lab Date/Time 01/08/18 21:15

Other Notes: Perform bacteriological analyses within 6 hours of sample collection time



Filters

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

Sampling Date: 1-8-18

Project Number: 2017/18-1 (Wet)

Sampling Team: WBC & JS

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	DNA Filter									Number of Bottles	NOTES
ME-CC	ME-CC		X									1	2 DNA Filters
ME-SCR	ME-SCR		X									1	2 DNA Filters
ME-VR2	ME-VR2		X									1	2 DNA Filters
MO-CAM	MO-CAM		X									1	2 DNA Filters
	MO-OJA	1/8/18 13:15	X									1	2 DNA Filters
	MO-MEI	1/8/18 14:15	X									1	2 DNA Filters
MO-VEN	MO-VEN		X									1	2 DNA Filters
FB-1	FB-1		X									1	2 DNA Filters
FD-1	FD-1		X									1	2 DNA Filters

Relinquished Printed Name W.B. CAREY
 Signature W.B. Carey
 Affiliation VCWPD Date/Time 1-8-18 / 1740

Received Printed Name Nadia Van Buren
 Signature [Signature]
 Affiliation PHCA Date/Time 010818 @ 1740

Other Notes: Perform bacteriological analyses within 6 hours of sample collection time



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

Sampling Date: 1-8-18 Project Number: 2017/18-1 (Wet)

Sampling Team: WBC & TS

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	DNA Filter										Number of Bottles	NOTES
	MO-SPA	1/8/18 16:00	X										1	2 DNA Filters
	MO-FIL	1/8/18 16:45	X										1	2 DNA Filters
	MO-SIM		X										1	2 DNA Filters
	MO-MPK		X										1	2 DNA Filters
	MO-THO		X										1	2 DNA Filters
	MO-oxn		X										1	2 DNA Filters
	MO-HUE		X										1	2 DNA Filters

Relinquished Printed Name W.B. CAREY

Signature W.B. Carey

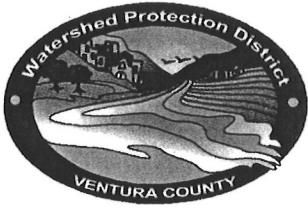
Affiliation NCWPD Date/Time 1-8-18 1740

Received Printed Name Nadia Van Buren

Signature [Signature]

Affiliation FA Lab Date/Time 01/08/18 @ 1740

Other Notes: Perform bacteriological analyses within 6 hours of sample collection time



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

DNA FILTERS

Sampling Date: 1/9/18 Project Number: ~~2016/17-1 (wet)~~ 2017/18-1 (wet)

Sampling Team: J. McCrory, Devin Schmidt

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	DNA Filter														Number of Bottles	NOTES
	ME-CC	1-9-18 9:40	X														1	2 DNA Filters
	ME-SCR	1-9-18 12:45 11:10	X														1	2 DNA Filters
	ME-VR2	1-9-18 11:10 12:45	X														1	2 DNA Filters

Relinquished Printed Name Jim McCrory

Signature [Signature]

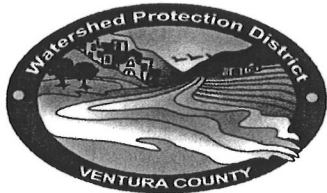
Affiliation (GCE) VCHCA Date/Time 1-9-18 / 11:54

Received Printed Name Nadia Van Buren

Signature [Signature]

Affiliation PH Lab Date/Time 01/09/18 BJS

Other Notes: Perform bacteriological analyses within 6 hours of sample collection time



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

Sampling Date: 1/8/18 Project Number: 2017/18-1 (Wet)

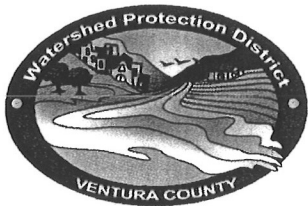
Sampling Team: J. McCrory, D. Laak

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	DNA Filter										Number of Bottles	NOTES
	ME-CC		X										1	2 DNA Filters
	ME-SCR		X										1	2 DNA Filters
	ME-VR2		X										1	2 DNA Filters
	MO-CAM	1/8/18 2047	X										1	2 DNA Filters
	MO-OJA		X										1	2 DNA Filters
	MO-MEI		X										1	2 DNA Filters
	MO-VEN	1/8/18 1720	X										1	2 DNA Filters
	FB-1		X										1	2 DNA Filters
	FD-1		X										1	2 DNA Filters

Relinquished Printed Name David Laak
 Signature [Signature]
 Affiliation VCWPD Date/Time 1/8/18 2135

Received Printed Name Nadia U. Ben
 Signature [Signature]
 Affiliation PHLCH Date/Time 01/08/18 2135

Other Notes: Perform bacteriological analyses within 6 hours of sample collection time



Chain of Custody Record

Ventura County Watershed Protection District
 NPDES Stormwater Monitoring Program
 Project: NPDES Stormwater Wet Season
 DNA FILTERS - VCHCA Lab (SIDE 2 of 2)

Sampling Date: 1/8/18 Project Number: 2017/18-1 (Wet)
 Sampling Team: See side 1

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	DNA Filter										Number of Bottles	NOTES
	MO-SPA		X										1	2 DNA Filters
	MO-FIL		X										1	2 DNA Filters
	MO-SIM		X										1	2 DNA Filters
	MO-MPK		X										1	2 DNA Filters
	MO-THO		X										1	2 DNA Filters
	MO-OXN	1/8/18 1840	X										1	2 DNA Filters
	MO-HUE	1/8/18 1945	X										1	2 DNA Filters

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

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

Other Notes: Perform bacteriological analyses within 6 hours of sample collection time

8A09163



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

Sampling Date: 1/8/18 + 1/9/18 Project Number: 2017/18-1 (Wet) Grabs
 Sampling Team: Jim McCray, Devin Schmidt, W.B. CAREY, David Laak, Lara Meeter, Peter Dacan

SAMPLE ID	DATE/TIME COLLECTED	Oil & Grease (EPA 1664A)	Cyanide (ASTM D7511)	GRO (EPA 8015B)	MTBE & 2-CLEVE (EPA 624)	Travel Blanks (EPA 624)-only analyze if hits										Number of Bottles	NOTES
ME-CC	1/9/18 0940	2	1	2	3	1										9	Jim M / Devin S
ME-SCR	↓ 1245	2	1	2	3	1										9	↓
ME-VR2	↓ 1110	2	1	2	3	1										9	↓
MO-CAM	1/8/18 20:47 2100	3	1	2	3	1										10	Jim M / David Laak
MO-OJA	1/8/18 13:15	2	1	2	3	1										9	Devin S / William B.C.
MO-MEI	1/8/18 14:15	2	1	2	3	1										9	Devin S / William B.C.
MO-VEN	1/8/18 17:20 1720	2	1	2	3	1										9	Jim M / Dave L
MO-OXN	1/8/18 18:35 1835	2	1	2	3	1										9	Jim M / David Laak
ED 1	1840	2	1	2	3	1										9	

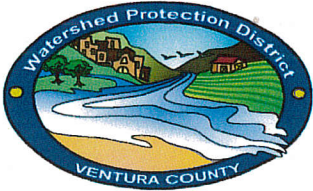
* SAMPLE TIME CORRECTION per Kelly Hays 1/13/18

Relinquished Printed Name Kelly Hays
 Signature [Signature]
 Affiliation VCWPD Date/Time 1/9/18 / 16:10

Received Printed Name Hector Sanchez
 Signature [Signature]
 Affiliation WECKLABS Date/Time 1-9-18 16:10

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

8A09143



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

Sampling Date: 1/9/18 Project Number: 2017/18-1 (Wet) Composites

Sampling Team: Jim McCrory, Terin Schmidt, Scott Greer, Dave Leak

SAMPLE ID	DATE/TIME COLLECTED	Subsample for Imazapyr and NID as CTAS (see V-11 COC)	Dissolved Inorganic Carbon and Dissolved Organic Carbon	NO3-N, Total Chlorine Residual	Metals, total & dissolved (+ Hardness), & Barium (total only)	Cr+6	BOD, COD, MBAS, TKN, Ammonia, TOC	NO3+NO2 (353.2), Cl, F, SO4 (300.0), Phenolics	Phosphorus-P Total & Dissolved	625-CTR, 8270SIM-PAH, 8270SIM-Phenols *	515.3-Herb 547-Glyphosate, 608-CTR	525.2 Reg+507, 525-OPP-LL	DRO/ORO (EPA 8015B)	ALK, CLO4, Turb, TDS, TSS, VSS, Cond	Number of Bottles	NOTES
ME-CC			X	X	X	X	X	X	X	X	X	X	X	X	1	
ME-SCR	1/9/18 1245		X		X	X	X	X	X	X	X	X	X	X	1	JM, TS
ME-VR2	1/9/18 1110	X	X		X	X	X	X	X	X	X	X	X	X	1	JM, TS
MO-CAM			X		X	X	X	X	X	X	X	X	X	X	1	
MO-OJA			X		X	X	X	X	X	X	X	X	X	X	1	
MO-MEI			X		X	X	X	X	X	X	X	X	X	X	1	
MO-VEN	1/9/18 13:45		X		X	X	X	X	X	X	X	X	X	X	1	SG, DL

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

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

608 include alpha- & gamma-chlordane

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

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

Relinquished Printed Name KELLY HAHN

Signature Kelly Hahn

Affiliation VCWPD Date/Time 1/9/18/16:10

Received Printed Name Hector Sanchez

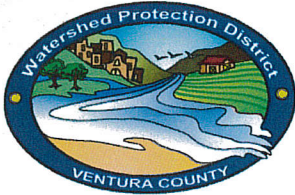
Signature Hector Sanchez

Affiliation VCWPD Date/Time 1-9-18 16:10

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

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

3) Imazapyr (EPA 538) and NID as CTAS (SM 5540D) are to be processed under a separate COC



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

Sampling Date: _____

Project Number: 2017/18-1 (Wet) Composites _____

Sampling Team: _____

SAMPLE ID	DATE/TIME COLLECTED				Dissolved Inorganic Carbon and Dissolved Organic Carbon	Metals, total & dissolved (+ Hardness), & Barium (total only)	Cr+6	BOD, COD, MBAS, TKN, Ammonia, TOC	NO3+NO2 (353.2), Cl, F, SO4 (300.0), Phenolics	Phosphorus-P Total & Dissolved	625-CTR, 8270SIM-PAH, 8270SIM-Phenols *	515.3-Herb 547-Glyphosate, 608-CTR	525.2 Reg+507, 525-OPP-LL	DRO/ORO (EPA 8015B)	ALK, CLO4, Turb, TDS, TSS, VSS, Cond	Number of Bottles	NOTES
MO-SPA	1/9/18 14:30				X	X	X	X	X	X	X	X	X	X	X	1	SG, DL
MO-FIL					X	X	X	X	X	X	X	X	X	X	X	1	
MO-SIM	1/9/18 12:40				X	X	X	X	X	X	X	X	X	X	X	1	SG, DL
MO-MPK					X	X	X	X	X	X	X	X	X	X	X	1	
MO-THO					X	X	X	X	X	X	X	X	X	X	X	1	
MO-ONN					X	X	X	X	X	X	X	X	X	X	X	1	
MO-HUE					X	X	X	X	X	X	X	X	X	X	X	1	
MO-HUE	1/9/18* 15:00				X	X	X	X	X	X	X	X	X	X	X	1	JM, TS

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

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

608 include alpha- & gamma-chlordane

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

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

Relinquished

Printed Name _____

Signature _____

Affiliation _____

Date/Time _____

Received

Printed Name _____

Signature _____

Affiliation _____

Date/Time _____

Other Notes:

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

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



Chain of Custody Record

Ventura County Watershed Protection District

NPDES Stormwater Monitoring Program

8A10050

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

Sampling Date:

1/10/18

Project Number: 2017/18-1 (Wet) Composites

Sampling Team:

K. Hols, Dac Look, L. MEERER, D. WILKINSON, Bill Carey

SAMPLE ID	DATE/TIME COLLECTED	NO3-N, Total Chlorine Residual	Dissolved Inorganic Carbon and Dissolved Organic Carbon	Metals, total & dissolved (+ Hardness), & Barium (total only)	Cr+6	BOD, COD, MBAS, TKN, Ammonia, TOC	NO3+NO2 (353.2), Cl, F, SO4 (300.0), Phenolics	Phosphorus-P Total & Dissolved	625-CTR, 8270SIM-PAH, 8270SIM-Phenols *	515.3-Herb 547-Glyphosate, 608-CTR	525.2 Reg+507, 525-OPP-LL	DRO/ORO (EPA 8015B)	ALK, CLO4, Turb, TDS, TSS, VSS, Cond	Number of Bottles	NOTES
ME-CC	1/10/18 10:35	X	X	X	X	X	X	X	X	X	X	X	X	1	LM, DW
MO-MPK	9:10		X	X	X	X	X	X	X	X	X	X	X	1	LM, DW
MO-THO	9:50		X	X	X	X	X	X	X	X	X	X	X	1	LM, DW
MO-OJA	10:30		X	X	X	X	X	X	X	X	X	X	X	1	WBC
MO-MEI	9:50		X	X	X	X	X	X	X	X	X	X	X	1	WBC
MO-CAM	1010		X	X	X	X	X	X	X	X	X	X	X	1	KH, DL
MO-FIL	0910		X	X	X	X	X	X	X	X	X	X	X	1	KH, DL
MO-oxN	✓ 1035		X	X	X	X	X	X	X	X	X	X	X	1	KH, DL

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

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

608 include alpha- & gamma-chlordane

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

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

Relinquished

Printed Name

W-B. CAREY

Signature

W-B. Carey

Affiliation

UCWPD

Date/Time

1-10-18 1245

Received

Printed Name

ELVAR HONETGONK

Signature

[Signature]

Affiliation

Weck

Date/Time

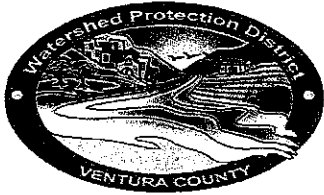
1-10-18 12:45

Other Notes:

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

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

1/10/18 1440



8A10050

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

Sampling Date: 1/10/18 Project Number: 2017/18-1 (Wet) Cleaning
 Sampling Team: WBC

EQUIPMENT		Clean with detergent and HNO ₃	Clean with detergent, HNO ₃ , and methanol*	No action required		NOTES
18.5 L wide neck carboy and lid		2				Please place tape or plastic bag over top and note on wrap if bottle was cleaned with methanol.
Blue cube cooler		8				
Black bags		8				
20 L narrow neck carboy, 2 lids, attachment assembly		6				Please place tape or plastic bag over top and note on wrap if bottle was cleaned with methanol.

Relinquished Printed Name W.B. CAREY
 Signature W.B. Carey
 Affiliation VCWPD Date/Time 1-10-18 1245

Received Printed Name EINAR HONEGGER
 Signature [Signature]
 Affiliation weck Date/Time 1/10/2018 12:45

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

Jamahn 1/10/18 1440

(707) 207-7760 FAX (707) 207-7916

[illegible]

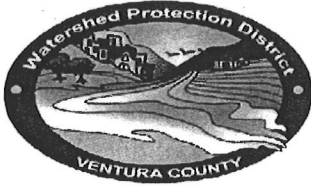
*Example Matrix Codes: (EFF - Effluent) (FW = Freshwater); (SW = Saltwater); (WW = Wastewater); (STRMW = Stormwater); (SED = Sediment); or other

(707) 207-7760 FAX (707) 207-7916

collected by:

Results To: Ventura County Watershed Protection District					Invoice To: Ventura County Public Works Agency					REQUESTED ANALYSIS														
Address: 800 South Victoria Ave., L#1610 Ventura, CA 93009-1610					Address: Engineering Services Division 800 South Victoria Ave., L#1670 Ventura CA 93009-1670					<div style="display: flex; flex-direction: row-reverse; justify-content: space-between; padding: 5px;"> <div>Topsmelt (<i>Atherinops affinis</i>) Survival and Growth, EPA</div> <div>Purple Urchin (<i>S. purpuratus</i>) Sperm Fertilization, EPA 1008.0</div> <div><i>Selenastrum Capricornutum</i> Algal Growth, EPA 1003.0</div> <div><i>Ceriodaphnia dubia</i> Survival and Reproduction, EPA 1002.0</div> <div>Fathead Minnow (<i>P. promelas</i>) Survival and Growth, EPA 1000.0</div> </div>														
Phone: (805) 658-4375					Phone:																			
Attn: Kelly Hahs					Attn: Victoria Escoto																			
E-mail: Kelly.Hahs@ventura.org					E-mail:																			
Project Name: NPDES Stormwater Monitoring Program - 2017/18-1 (Wet)																								
P.O.#/Ref: Contract No. AE18-015																								
Client Sample ID	Sample Date	Sample Time	Sample Matrix*	Grab/Comp	Container																			
					Number	Type																		
1 MO-OXN	1/8/18	1835	FW	Grab	2	2.5-gal jerrican																		
2 MO-HUE		1955	FW	Grab	2	2.5-gal jerrican					X													
3 MO-THO		2010	FW	Grab	2	2.5-gal jerrican					X													
4 MO-MPK		1740	FW	Grab	2	2.5-gal jerrican				X														
5 MO-SIM		1910	FW	Grab	2	2.5-gal jerrican					X													
6 MO-FIL		1645	FW	Grab	2	2.5-gal jerrican					X													
7 MO-SPA	✓	1600	FW	Grab	2	2.5-gal jerrican						X												
8																								
9																								
10																								
Samples collected by:																								
Comments/Special Instruction: All sites/species: 100% concentration only Perform TIE if >50% effect; notify client immediately if toxicity is observed MO-HUE: If salinity >2ppt, perform additional topsmelt test for comparison					RELINQUISHED BY:										RECEIVED BY:									
					Signature: <i>Kelly Hahs</i>										Signature: <i>Benny</i>									
					Print: KELLY HAHS										Print: <i>Ventura Choban</i>									
					Organization: VCWPD										Organization: <i>Fed Ex CC</i>									
					Date: 1/9/18					Time: 1512					Date: 1/9/18					Time: 1512				
					RELINQUISHED BY:										RECEIVED BY:									
					Signature:										Signature: <i>Samantha Cowden</i>									
					Print:										Print: <i>Samantha Cowden</i>									
Organization:										Organization: <i>DER</i>														
Date:					Time:					Date: 1/10/18					Time: 0745									

Attachment D Appendix E



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

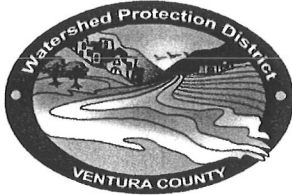
Sampling Date: 3/2/18 Project Number: 2017/18-2 (Wet)
 Sampling Team: Lara Meeker, Jaime McClain

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (25 Tube Method - MPNX)	Fecal Coliform (25 Tube Method - MPNX)	E. coli (Tray Method - WQ IDEXX)	Total Coliform (Tray Method - WQ IDEXX)	Number of Bottles	NOTES
	ME-CC		X	X	X	X	1	
	ME-SCR		X	X	X	X	1	
	ME-VR2		X	X	X	X	1	
	MO-CAM		X	X	X	X	1	
	MO-OJA		X	X	X	X	1	
	MO-MEI		X	X	X	X	1	
	MO-VEN		X	X	X	X	1	
	FB-1	3/2/18/ 0930	X	X	X	X	1	THO
	ED-1		X	X	X	X	1	

Relinquished Printed Name Lara Meeker
 Signature [Signature]
 Affiliation WPP Date/Time 3-2-18 10:26

Received Printed Name [Signature]
 Signature [Signature]
 Affiliation PH Lab Date/Time 03/02/18 @ 1030

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



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

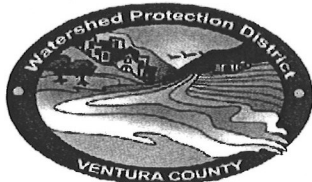
Sampling Date: 3/2/2018 Project Number: 2017/18-2 (Wet)
 Sampling Team: Lara Meeker, Jaime McClain

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (25 Tube Method - MPNX)	Fecal Coliform (25 Tube Method - MPNX)	<i>E. coli</i> (Tray Method - WQ IDEXX)	Total Coliform (Tray Method - WQ IDEXX)	Number of Bottles	NOTES
MO-SPA			X	X	X	X	1	
MO-FIL			X	X	X	X	1	
MO-SIM		3/2/18/0535	X	X	X	X	1	
MO-MPK		3/2/18/0435	X	X	X	X	1	
MO-THO		3/2/18/0440	X	X	X	X	1	
MO-oxn			X	X	X	X	1	
MO-HUE			X	X	X	X	1	

Relinquished: Printed Name Lara Meeker
 Signature [Signature]
 Affiliation WPD Date/Time 3-2-18 10:26

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

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



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

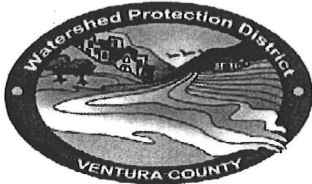
Sampling Date: 3/2/18 Project Number: 2017/18-2 (Wet)
 Sampling Team: J. McCrory, T. Schmidt

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (25 Tube Method - MPNX)	Fecal Coliform (25 Tube Method - MPNX)	E. coli (Tray Method - WQ IDEXX)	Total Coliform (Tray Method - WQ IDEXX)	Number of Bottles	NOTES
	ME-CC	3/2/18 12:00	X	X	X	X	1	
	ME-SCR	3/2/18 10:00	X	X	X	X	1	
	ME-VR2	3/2/18 8:25	X	X	X	X	1	
	MO-CAM		X	X	X	X	1	
	MO-OJA		X	X	X	X	1	
	MO-MEI		X	X	X	X	1	
	MO-VEN		X	X	X	X	1	
	FB-1		X	X	X	X	1	
	FD-1		X	X	X	X	1	

Relinquished Printed Name JIM MCCRORY
 Signature [Signature]
 Affiliation GCE Date/Time 3-2-18 12:40

Received Printed Name SALVADOR Y. BARRAGAN
 Signature [Signature]
 Affiliation P.H. LAB Date/Time 3/2/18 12:42

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



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

Sampling Date: None 3/2/18
 Sampling Team: Dave Laak + Peter Doran

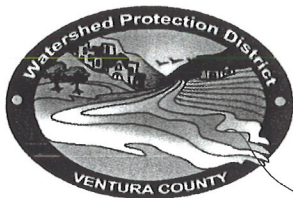
Project Number: 2017/18-2 (Wet)

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (25 Tube Method - MPNX)	Fecal Coliform (25 Tube Method - MPNX)	E. coli (Tray Method - WQ IDEXX)	Total Coliform (Tray Method - WQ IDEXX)	Number of Bottles	NOTES
	ME-CC		X	X	X	X	1	
	ME-SCR		X	X	X	X	1	
	ME-VR2		X	X	X	X	1	
	MO-CAM	3/2/18 04:30	X	X	X	X	1	
	MO-OJA		X	X	X	X	1	
	MO-MEI		X	X	X	X	1	
	MO-VEN	3/2/18 - 0540	X	X	X	X	1	
	FB-1		X	X	X	X	1	
	FD-1	3/2/18 04:30	X	X	X	X	1	MO-CAM

Relinquished Printed Name David Laak
 Signature [Signature]
 Affiliation VCHCA Date/Time 3/2/18 07:50

Received Printed Name Nada
 Signature [Signature]
 Affiliation PH Lab Date/Time 030218 0750

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



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

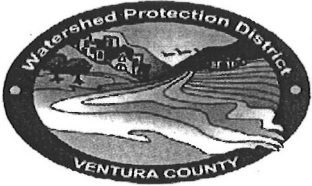
Sampling Date: 3/2/18 Project Number: 2017/18-2 (Wet)
 Sampling Team: Dave Laak & Peter Doran

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (25 Tube Method - MPNX)	Fecal Coliform (25 Tube Method - MPNX)	E. coli (Tray Method - WQ IDEXX)	Total Coliform (Tray Method - WQ IDEXX)	Number of Bottles	NOTES
	MO-SPA		X	X	X	X	1	
	MO-PHL		X	X	X	X	1	
	MO-SIM		X	X	X	X	1	
	MO-MPK		X	X	X	X	1	
	MO-THO		X	X	X	X	1	
	MO-OXN	3/2/18 06:15	X	X	X	X	1	
	MO-HUE	3/2/18 07:15	X	X	X	X	1	

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

Received Printed Name See other side
 Signature _____
 Affiliation _____ Date/Time _____

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



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

Sampling Date: 3/2/18 Project Number: 2017/18-2 (Wet)

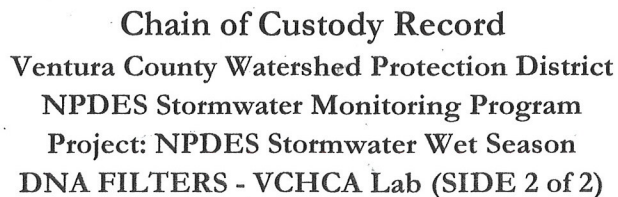
Sampling Team: Lara Meeker, Jaime McClain

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	DNA Filter									Number of Bottles	NOTES
	ME-CC		X									1	2 DNA Filters
	ME-SCR		X									1	2 DNA Filters
	ME-VR2		X									1	2 DNA Filters
	MO-CAM		X									1	2 DNA Filters
	MO-OJA		X									1	2 DNA Filters
	MO-MEI		X									1	2 DNA Filters
	MO-VEN		X									1	2 DNA Filters
	FB-1		X									1	2 DNA Filters

Relinquished Printed Name Lara Meeker
Signature [Signature]
Affiliation WPD Date/Time 3-2-18 10:26

Received Printed Name Nadia Lopez
Signature [Signature]
Affiliation PH Lab Date/Time 030218 030218 @ 1030

Other Notes: Perform bacteriological analyses within 6 hours of sample collection time



Project Number: 2017/18-2 (Wet)

Sampling Team: Lora Meeker, Jaime McLain

[illegible]

Relinquished

Printed Name

Signature

Affiliation

Date/Time

Received

Printed Name

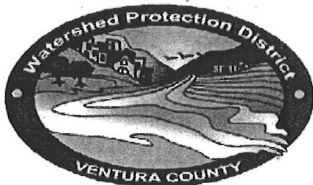
Signature

Affiliation

Date/Time

Other Notes:

Perform bacteriological analyses within 6 hours of sample collection time



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

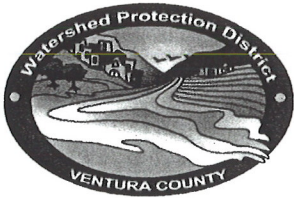
Sampling Date: 3/2/2018 Project Number: 2017/18-2 (Wet)
 Sampling Team: Steven G, Andy S

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	DNA Filter									Number of Bottles	NOTES
	ME-CC		X									1	2 DNA Filters
	ME-SCR		X									1	2 DNA Filters
	ME-VR2		X									1	2 DNA Filters
	MO-CAM		X									1	2 DNA Filters
	MO-OJA	3/2/18 01:20	X									1	2 DNA Filters
	MO-MEI	3/2/18 02:20	X									1	2 DNA Filters
	MO-VEN		X									1	2 DNA Filters
	FB-1		X									1	2 DNA Filters

Relinquished Printed Name: Steven S. Green
 Signature: [Signature]
 Affiliation: VOWPD: WBI Date/Time: 3/2/18

Received Printed Name: Nadia Van Buren
 Signature: [Signature]
 Affiliation: PH Lab Date/Time: 030218 @ 0625

Other Notes: Perform bacteriological analyses within 6 hours of sample collection time



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

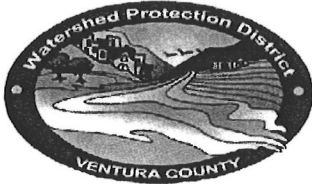
Sampling Date: 3/2/18 Project Number: 2017/18-2 (Wet)
 Sampling Team: SG, AS

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	DNA Filter									Number of Bottles	NOTES
	MO-SPA	3/2/18 0435	X									1	2 DNA Filters
	MO-FIL	3/2/18 0350	X									1	2 DNA Filters
	MO-SIM		X									1	2 DNA Filters
	MO-MPK		X									1	2 DNA Filters
	MO-THO		X									1	2 DNA Filters
	MO-OXN		X									1	2 DNA Filters
	MO-HUE		X									1	2 DNA Filters

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

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

Other Notes: Perform bacteriological analyses within 6 hours of sample collection time



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

Sampling Date: 2/3/18

Project Number: 2017/18-2 (Wet)

Sampling Team: J. McCrory, T. Schmidt

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	DNA Filter													Number of Bottles	NOTES
	ME-CC		X													1	2 DNA Filters
	ME-SCR	3-2-18 10:00	X													1	2 DNA Filters
	ME-VR2	3-2-18 8:35	X													1	2 DNA Filters
	MO-CAM		X													1	2 DNA Filters
	MO-OJA		X													1	2 DNA Filters
	MO-MEI		X													1	2 DNA Filters
	MO-VEN		X													1	2 DNA Filters
	FB-1		X													1	2 DNA Filters

Relinquished

Printed Name

J. McCrory

Signature

[Signature]

Affiliation

GCE

Date/Time

3-2-18 / 12:40

Received

Printed Name

SALVADOR Y. BORRACAN

Signature

[Signature]

Affiliation

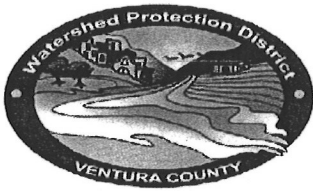
P.H. Lab

Date/Time

3-2-18 12:42

Other Notes:

Perform bacteriological analyses within 6 hours of sample collection time



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

Sampling Date: 3/2/18

Project Number: 2017/18-2 (Wet)

Sampling Team: Dave Laak & Peter Doran

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	DNA Filter										Number of Bottles	NOTES
	ME-CC		X										1	2 DNA Filters
	ME-SCR		X										1	2 DNA Filters
	ME-VR2		X										1	2 DNA Filters
	MO-CAM	3/2/18 04:30	X										1	2 DNA Filters
	MO-OJA		X										1	2 DNA Filters
	MO-MEI		X										1	2 DNA Filters
	MO-VEN	3/2/18 05:40	X										1	2 DNA Filters
	FB-1		X										1	2 DNA Filters

Relinquished Printed Name David Laak
 Signature [Signature]
 Affiliation VcwPP Date/Time 3/2/18 07:50

Received Printed Name Nick
 Signature [Signature]
 Affiliation PH Lab Date/Time 030218 @ 0730

Other Notes: Perform bacteriological analyses within 6 hours of sample collection time



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

Sampling Date: 3/2/18 Project Number: 2017/18-2 (Wet)
 Sampling Team: Dave Laak + Peter Poran

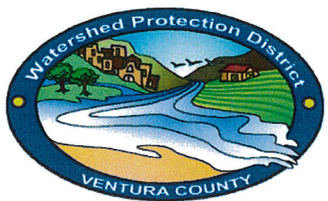
LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	DNA Filter									Number of Bottles	NOTES
	MO-SPA		X									1	2 DNA Filters
	MO-FIL		X									1	2 DNA Filters
	MO-SIM		X									1	2 DNA Filters
	MO-MPK		X									1	2 DNA Filters
	MO-THO		X									1	2 DNA Filters
	MO-OXN	3/2/18 06:15	X									1	2 DNA Filters
	MO-HUE	3/2/18 07:15	X									1	2 DNA Filters

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

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

Other Notes: Perform bacteriological analyses within 6 hours of sample collection time

8602092



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

Sampling Date: 3-2-18

Project Number: 2017/182 (Wet) Grabs

Sampling Team: JM, TS, DL, PD, SG, AS,

SAMPLE ID	DATE/TIME COLLECTED	Oil & Grease (EPA 1664A)	Cyanide (ASTM D7511)	GRO (EPA 8015B)	MTBE & 2CLEVE (EPA 624)	Travel Blanks (EPA 624)-only analyze if hits										Number of Bottles	NOTES
ME-CC		2	1	2	3	1										9	
ME-SCR	3/2/18 10:00	2	1	2	3	1										9	JM/TS
ME-VR2	3/2/18 8:35	2	1	2	3	1										9	JM/TS
MO-CAM	3/2/18 04:30	2	1	2	3	1										10	DL/PD only measured 2 other containers
MO-OJA	3/2/18 01:20	2	1	2	3	1										9	SG, AS
MO-MEI	3/2/18 02:20	2	1	2	3	1										9	SG, AS
MO-VEN	3/2/18 05:40	2	1	2	3	1										9	DL/PD
MO-OXN	3/2/18 06:15	2	1	2	3	1										9	DL/PD
FD-1	3/2/18 04:30	2	1	2	3	1										9	MO-CAM - DL/PD

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

Relinquished Printed Name WILLIAM CAREY
Signature William Carey
Affiliation VCWPD Date/Time 3-2-18/1355

Received Printed Name Hector Sanchez
Signature [Signature]
Affiliation WECK LABS Date/Time 3-2-18/13:55

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



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

Sampling Date: 3/2/18

Project Number: 2017/18-2 (Wet) Grabs

Sampling Team: LM, JM, SG, AS, DL, PD

SAMPLE ID	DATE/TIME COLLECTED							Number of Bottles	NOTES
		Oil & Grease (EPA 1664A)	Cyanide (ASTM D7511)	GRO (EPA 8015B)	MTBE & 2CLEVE (EPA 624)	Travel Blanks (EPA 624)-only analyze if hits			
MO-SPA	3/2/18 09:35	2	1	2	3	1		9	SG/AS
MO-FIL	3/2/18 03:50	2	1	2	3	1		9	SG/AS
MO-SIM	3/2/18 0535	2	1	2	3	1		9	LM/JM
MO-HUE	3/2/18 07:15	2	1	2	3	1		9	DL/PD
MO-THO	3/2/18 0940	2	1	2	3	1		9	LM/JM 1 vial for 8260 received empty
MO-MPK	3/2/18 0435	2	1	2	3	1		9	LM/JM
FB-1	3/2/18 0930	2	1	2	3	1		9	LM/JM THO

Relinquished Printed Name WILLIAM CAREY

Signature William Carey

Affiliation VCWPD Date/Time 3-2-18 / 1355

Received Printed Name Hector Sanchez

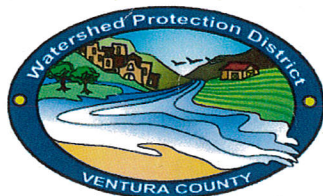
Signature [Signature]

Affiliation WELLS Date/Time 3-2-18 / 13:55

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

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

2C03002



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

Sampling Date: 3/3/18Project Number: 2017/18-2 (Wet) GrabsSampling Team: P. DORAN, B. CAREY

SAMPLE ID	DATE/TIME COLLECTED													Number of Bottles	NOTES
		Oil & Grease (EPA 1664A)	Cyanide (ASTM D7511)	GRO (EPA 8015B)	MTBE & 2CLEVE (EPA 624)	Travel Blanks (EPA 624)-only analyze if hits									
ME-CC	3/3/18/0915	2	1	2	3	1								9	PD, BL
ME-SCR		2	1	2	3	1								9	
ME-VR2		2	1	2	3	1								9	
MO-CAM		3	1	2	3	1								10	
MO-OJA		2	1	2	3	1								9	
MO-MEI		2	1	2	3	1								9	
MO-VEN		2	1	2	3	1								9	
MO-OXN		2	1	2	3	1								9	
ED-1		2	1	2	3	1								9	

Relinquished

Printed Name WILLIAM CAREY

Signature

William Carey

Affiliation

VCWPD

Date/Time

3-3-18/1200

Received

Printed Name

Jaime Posada S

Signature

[Signature]

Affiliation

WECK

Date/Time

3-3-18/12003/3/18 14:30

Other Notes:

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

802090



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

*Project # correction
 2 per Kelly Hahs. BG
 3/05/18

Sampling Date: 3-2-18

Project Number: 2017/18-1 (Wet) Composites

Sampling Team: JM, TS

SAMPLE ID	DATE/TIME COLLECTED	Dissolved Inorganic Carbon and Dissolved Organic Carbon	NO3-N, Total Chlorine Residual	Metals, total & dissolved (+ Hardness), & Barium (total only)	Cr+6	BOD, COD, MBAS, TKN, Ammonia, TOC	NO3+NO2 (353.2), Cl, F, SO4 (300.0), Phenolics	Phosphorus-P Total & Dissolved	625-CTR, 8270SIM-PAH, 8270SIM-Phenols *	515.3-Herb 547-Glyphosate, 608-CTR	525.2 Reg+507, 525-OPP-LL	DRO/ORO (EPA 8015B)	ALK, CLO4, Turb, TDS, TSS, VSS, Cond	Number of Bottles	NOTES
ME-CC		X	X	X	X	X	X	X	X	X	X	X	X	1	
ME-SCR		X		X	X	X	X	X	X	X	X	X	X	1	
ME-VR2		X		X	X	X	X	X	X	X	X	X	X	1	
MO-CAM		X		X	X	X	X	X	X	X	X	X	X	1	
MO-OJA	3-2-18/0720	X		X	X	X	X	X	X	X	X	X	X	1	JM/TS
MO-MEI	3-2-18/0755	X		X	X	X	X	X	X	X	X	X	X	1	JM/TS
MO-VEN		X		X	X	X	X	X	X	X	X	X	X	1	

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

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

608 include alpha- & gamma-chlordane

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

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

Relinquished Printed Name WILLIAM CAREY

Signature William Carey

Affiliation UCWPD Date/Time 3-2-18/1355

Received Printed Name Heather Sanchez

Signature [Signature]

Affiliation WACKLABS Date/Time 3-2-18 / 13:55

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

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

Sampling Date: 3-2-18 Project Number: 2017/18-1 (Wet) Composites
Sampling Team: SG, AS & WBC

Relinquished	Printed Name	WILLIAM CAREY		
	Signature	William Carey		
	Affiliation	VCWPD	Date/Time	3-2-18/1355
Received	Printed Name	Hector Sanchez		
	Signature	[Signature]		
	Affiliation	WEEKLYS	Date/Time	3-2-18 / 13:55

Ventura Countywide Stormwater Quality
Management Program 2017/18 Annual Report



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

Sampling Date: 3-2-18

Project Number: 2017/18-2 (Wet) Cleaning

Sampling Team: WBC

EQUIPMENT	Clean with detergent and HNO ₃	Clean with detergent, HNO ₃ , and methanol*	No action required		NOTES
18.5 L wide neck carboy and lid	1				Please place tape or plastic bag over top and note on wrap if bottle was cleaned with methanol.
Blue cube cooler			4		
Black bags			4		
20 L narrow neck carboy, 2 lids, attachment assembly	3				Please place tape or plastic bag over top and note on wrap if bottle was cleaned with methanol.

Relinquished Printed Name WILLIAM CAREY

Signature William Carey

Affiliation VCWPD Date/Time 3-2-18/1355

Received Printed Name Hector Sanchez

Signature [Signature]

Affiliation WECKLABS Date/Time 3-2-18/13:55

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

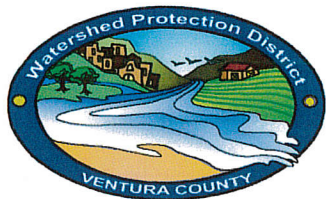
Hector Sanchez



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

K. HAHS, D. LAAY, L. Meeker, J. Mc

Attachment D Appendix E



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

Sampling Date: 3/3/18

Project Number: 2017/18-2 (Wet) Cleaning

Sampling Team: WBC

EQUIPMENT	Clean with detergent and HNO ₃	Clean with detergent, HNO ₃ , and methanol*	No action required		NOTES
18.5 L wide neck carboy and lid	4				Please place tape or plastic bag over top and note on wrap if bottle was cleaned with methanol.
Blue cube cooler			10		
Black bags			10		
20 L narrow neck carboy, 2 lids, attachment assembly	6				Please place tape or plastic bag over top and note on wrap if bottle was cleaned with methanol.

Relinquished Printed Name WILLIAM CAREY

Signature William Carey

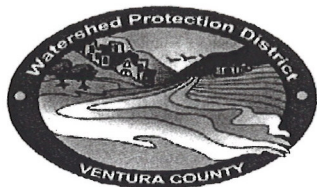
Affiliation VCWPA Date/Time 3-3-18/1200

Received Printed Name Jaine Rosadas

Signature Jaine Rosadas

Affiliation WECK Date/Time 3-3-18/1200 3/3/18 14:30

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



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

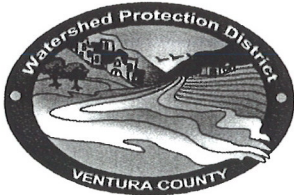
Sampling Date: 3/10/2018 Project Number: 2017/18-3 (Wet)
 Sampling Team: Steven S. Greer, Peter D.

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (25 Tube Method - MPNX)	Fecal Coliform (25 Tube Method - MPNX)	E. coli (Tray Method - WQ IDEXX)	Total Coliform (Tray Method - WQ IDEXX)		Number of Bottles	NOTES
	ME-CC		X	X	X	X		1	
	ME-SCR	3/10/18 18:05 PST	X	X	X	X		1	
	ME-VR2		X	X	X	X		1	
	MO-CAM		X	X	X	X		1	
	MO-OJA	3/10/18 14:10 PST	X	X	X	X		1	
	MO-MEI	3/10/18 14:50 PST	X	X	X	X		1	
	MO-VEN		X	X	X	X		1	
	FB-1	3/10/18 18:05 PST	X	X	X	X		1	(ME-SCR)
	FD-1		X	X	X	X		1	(ME-CC)

Relinquished Printed Name Steven S. Greer
 Signature [Signature]
 Affiliation VCWPD Date/Time 3/10/18

Received Printed Name Lauren Stead
 Signature [Signature]
 Affiliation VC PHL Date/Time 3/10/18 @ 6:51pm

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



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

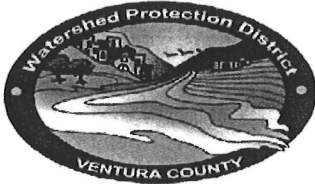
Sampling Date: 3/10/18 Project Number: 2017/18-3 (Wet)
 Sampling Team: SG, Anna P.D

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (25 Tube Method - MPNX)	Fecal Coliform (25 Tube Method - MPNX)	<i>E. coli</i> (Tray Method - WQ IDEXX)	Total Coliform (Tray Method - WQ IDEXX)			Number of Bottles	NOTES
	MO-SPA	3/10/18 16:35 PST	X	X	X	X			1	
	MO-FIL	3/10/18 16:00 PST	X	X	X	X			1	
	MO-SIM		X	X	X	X			1	
	MO-MPK		X	X	X	X			1	
	MO-THO		X	X	X	X			1	
	MO-OXN		X	X	X	X			1	
	MO-HUE		X	X	X	X			1	

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

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

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



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

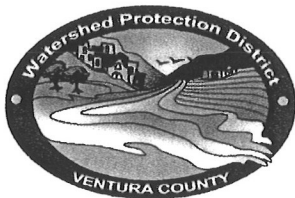
Sampling Date: 3/10/18 Project Number: 2017/18-3 (Wet)
 Sampling Team: Lara Meeker, A.S.

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (25 Tube Method - MPNX)	Fecal Coliform (25 Tube Method - MPNX)	<i>E. coli</i> (Tray Method - WQ IDEXX)	Total Coliform (Tray Method - WQ IDEXX)	Number of Bottles	NOTES
	ME-CC	3/10/18 2045	X	X	X	X	1	
	ME-SCR		X	X	X	X	1	
	ME-VR2		X	X	X	X	1	
	MO-CAM		X	X	X	X	1	
	MO-OJA		X	X	X	X	1	
	MO-MEI		X	X	X	X	1	
	MO-VEN		X	X	X	X	1	
	FB-1		X	X	X	X	1	(ME-SCR)
	FD-1	3/10/18 2045	X	X	X	X	1	(ME-CC)

Relinquished Printed Name Lara Meeker
 Signature [Signature]
 Affiliation WPD Date/Time 3/10/18 2136

Received Printed Name Lavenstead
 Signature [Signature]
 Affiliation VC PHL Date/Time 3/10/18 9:42pm

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



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

Sampling Date: 3/10/18 Project Number: 2017/18-3 (Wet)
 Sampling Team: Lara Meeker, AS

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (25 Tube Method - MPNX)	Fecal Coliform (25 Tube Method - MPNX)	E. coli (Tray Method - WQ IDEXX)	Total Coliform (Tray Method - WQ IDEXX)	Number of Bottles	NOTES
	MO-SPA		X	X	X	X	1	
	MO-FIL		X	X	X	X	1	
	MO-SIM	3/10/18 1835	X	X	X	X	1	
	MO-MPK	3/10/18 17:30	X	X	X	X	1	
	MO-THO	3/10/18 1940	X	X	X	X	1	
	MO-oxn		X	X	X	X	1	
	MO-HUE		X	X	X	X	1	

Relinquished Printed Name Lara Meeker
 Signature [Signature]
 Affiliation WPD Date/Time 3/10/18 2136

Received Printed Name Lauren Stead
 Signature [Signature]
 Affiliation VCPHL Date/Time 3/10/18 9:42pm

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



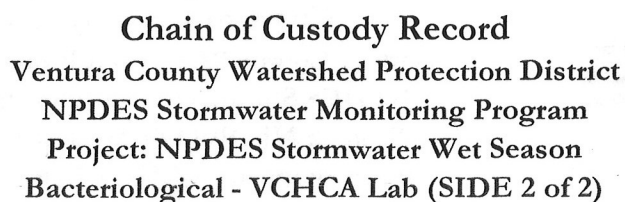
Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Bacteriological - VCHCA Lab (SIDE 1 of 2)

Sampling Date: 3/10/18 Project Number: 2017/18-3 (Wet)
 Sampling Team: DL, JM

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (25 Tube Method - MPNX)	Fecal Coliform (25 Tube Method - MPNX)	E. coli (Tray Method - WQ IDEXX)	Total Coliform (Tray Method - WQ IDEXX)	Number of Bottles	NOTES
	ME-CC		X	X	X	X	1	
	ME-SCR		X	X	X	X	1	
	ME-VR2	3-10-18 20:50	X	X	X	X	1	DL/JM
	MO-CAM	3-10-18 17:10	X	X	X	X	1	
	MO-OJA		X	X	X	X	1	
	MO-MEI		X	X	X	X	1	
	MO-VEN	3-10-18 18:45	X	X	X	X	1	
	FB-1		X	X	X	X	1	(ME-SCR)
	FD-1		X	X	X	X	1	(ME-CC)

Relinquished Printed Name _____
 Signature _____
 Affiliation _____ Date/Time 3/10/18
 Received Printed Name SEE OTHER SIDE
 Signature _____
 Affiliation _____ Date/Time _____

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



→ 3-10-18
Dave Laak & Jim McCroff
↓

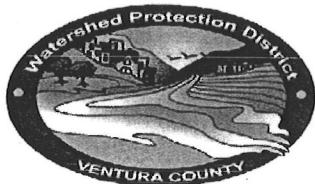
Project Number: 2017/18-3 (Wet)

Sampling Team:

Relinquished Printed Name David Laak
Signature [Signature]
Affiliation VCW PD Date/Time 3-10-18 @ 2145

Received Printed Name Lauren Stead
Signature [Signature]
Affiliation VC PHL Date/Time 3/10/18 7:41pm

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



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

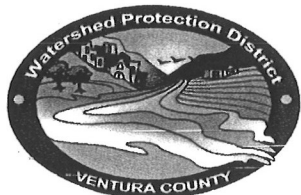
Sampling Date: 3/10/18 Project Number: 2017/18-3 (Wet)
 Sampling Team: D.L., JM

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	DNA Filter									Number of Bottles	NOTES
	ME-CC		X									1	2 DNA Filters
	ME-SCR		X									1	2 DNA Filters
	ME-VR2	3-10-18 20:50	X									1	2 DNA Filters
	MO-CAM	3-10-18 17:10	X									1	2 DNA Filters
	MO-OJA		X									1	2 DNA Filters
	MO-MEI		X									1	2 DNA Filters
	MO-VEN	3-10-18 18:45	X									1	2 DNA Filters
	FB-1		X									1	2 DNA Filters

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

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

Other Notes: Perform bacteriological analyses within 6 hours of sample collection time



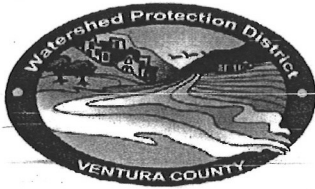
Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
DNA FILTERS - VCHCA Lab (SIDE 2 of 2)

Sampling Date: 3-10-18 Project Number: 2017/18-3 (Wet)
 Sampling Team: Dave Look & Jim McElroy

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	DNA Filter											Number of Bottles	NOTES
	MO-SPA		X											1	2 DNA Filters
	MO-FIL		X											1	2 DNA Filters
	MO-SIM		X											1	2 DNA Filters
	MO-MPK		X											1	2 DNA Filters
	MO-THO		X											1	2 DNA Filters
	MO-oxn	3-10-18 18:00	X											1	2 DNA Filters
	MO-HUE	3-10-18 19:45	X											1	2 DNA Filters

Relinquished Printed Name David Look
 Signature [Signature]
 Affiliation VCHCA Date/Time 3-10-18 2:45
 Received Printed Name Lauri Stead
 Signature [Signature]
 Affiliation VC PHL Date/Time 3/10/18 9:45pm

Other Notes: Perform bacteriological analyses within 6 hours of sample collection time



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

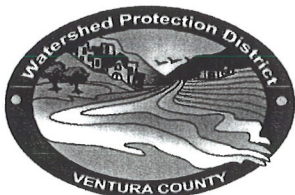
Sampling Date: 3/10/18 Project Number: 2017/18-3 (Wet)
 Sampling Team: Lara Meeker, A.S.

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	DNA Filter										Number of Bottles	NOTES
	ME-CC	3/10/18 2045	X										1	2 DNA Filters
	ME-SCR		X										1	2 DNA Filters
	ME-VR2		X										1	2 DNA Filters
	MO-CAM		X										1	2 DNA Filters
	MO-OJA		X										1	2 DNA Filters
	MO-MEI		X										1	2 DNA Filters
	MO-VEN		X										1	2 DNA Filters
	FB-1		X										1	2 DNA Filters

Relinquished Printed Name Lara Meeker
 Signature [Signature]
 Affiliation WPD Date/Time 3/10/18 8:01 PM 2136

Received Printed Name Lauren Stead
 Signature [Signature]
 Affiliation VC PHL Date/Time 3/10/18 9:42pm

Other Notes: Perform bacteriological analyses within 6 hours of sample collection time



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

Sampling Date: 3/10/18 Project Number: 2017/18-3 (Wet)
 Sampling Team: Lara Meeker, A.S.

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	DNA Filter													Number of Bottles	NOTES
	MO-SPA		X													1	2 DNA Filters
	MO-FIL		X													1	2 DNA Filters
	MO-SIM	3/10/18 1835	X													1	2 DNA Filters
	MO-MPK	3/10/18 1730	X													1	2 DNA Filters
	MO-THO	3/10/18 1940	X													1	2 DNA Filters
	MO-oxn		X													1	2 DNA Filters
	MO-HUE		X													1	2 DNA Filters

Relinquished Printed Name Lara Meeker
 Signature [Signature]
 Affiliation WPD Date/Time 3/10/18 2136

Received Printed Name Lauren Stead
 Signature [Signature]
 Affiliation VC PHL Date/Time 3/10/18 9:42pm

Other Notes: Perform bacteriological analyses within 6 hours of sample collection time

8C11002



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

Sampling Date: 3/10/18Project Number: 2017/18-3 (Wet) GrabsSampling Team: LM, AS, SG, PD, DL, JM

SAMPLE ID	DATE/TIME COLLECTED	Oil & Grease (EPA 1664A) Cyanide (ASTM D7511) GRO (EPA 8015B) MTBE & 2-CLEVE (EPA 624) Travel Blanks (EPA 624)-only analyze if hits												Number of Bottles	NOTES
ME-CC	3/10/18 2045 PST	2	1	2	3	1								9	LM, AS
ME-SCR	3/10/18 18:05 PST	2	1	2	3	1								9	SG, PD
ME-VR2	3/10/18 20:50 PST	2	1	2	3	1								9	DL, JM
MO-CAM	3/10/18 17:10 PST	3	1	2	3	1								10	DL, JM
MO-OJA	3/10/18 14:10 PST	2	1	2	3	1								9	SG, PD
MO-MEI	3/10/18 14:50 PST	2	1	2	3	1								9	SG, PD
MO-VEN	3/10/18 18:45 PST	2	1	2	3	1								9	DL, JM
MO-OXN	3/10/18 18:00 PST	2	1	2	3	1								9	DL, JM
FD-1	3/10/18 2045 PST	2	1	2	3	1								9	(ME-CC) LM, AS

Relinquished

Printed Name KELLY HAHNSignature Kelly HahnAffiliation VCWPDDate/Time 3/11/18 / 1400 PDT

Received

Printed Name HUGO CHAVEZSignature Hugo ChavezAffiliation ESSENTIALDate/Time 3/11/18 @ 2:00 PM

Other Notes:

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



8C11002

Chain of Custody Record

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

Sampling Date: 3/10/18

Project Number: 2017/18-3 (Wet) Grabs

Sampling Team: LM, AS, SG, PD, DL, JM

SAMPLE ID	DATE/TIME COLLECTED	Oil & Grease (EPA 1664A)	Cyanide (ASTM D7511)	GRO (EPA 8015B)	MTBE & 2CLEVE (EPA 624)	Travel Blanks (EPA 624)-only analyze if hits										Number of Bottles	NOTES
MO-SPA	3/10/18 16:35 PST	2	1	2	3	1										9	SG, PD
MO-FIL	3/10/18 16:00 PST	2	1	2	3	1										9	SG, PD
MO-SIM	3/10/18 1835 PST	2	1	2	3	1										9	LM, AS
MO-HUE	3/10/18 1945 PST	2	1	2	3	1										9	DL, JM
MO-THO	3/10/18 1940 PST	2	1	2	3	1										9	LM, AS
MO-MPK	3/10/18 1730 PST	2	1	2	3	1										9	LM, AS

Relinquished

Printed Name KELLY HAYS

Signature [Signature]

Affiliation VCWPD

Date/Time 3/11/18 1400 PDT

Received

Printed Name HUGO CRANE

Signature [Signature]

Affiliation ESSENTIAL

Date/Time 3/11/18 @ 2:01 PM

Other Notes:

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

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

Composites - Weck Laboratories (SIDE 1 of 2)

SAMPLE ID	DATE/TIME COLLECTED		Dissolved Inorganic Carbon and Dissolved Organic Carbon	NO3-N, Total Chlorine Residual	Metals, total & dissolved (+ Hardness), & Barium (total only)	Cr+6	BOD, COD, MBAS, TKN, Ammonia, TOC	NO3+N02 (353.2), Cl, F, SO4 (300.0), Phenolics	Phosphorus-P Total & Dissolved	625-CTR, 8270SIM-PAH, 8270SIM-Phenols *	515.3-Herb 547-Glyphosate, 608-CTR	525.2 Reg+507, 525-OPP-LL	DRO/ORO (EPA 8015B)	ALK, CLO4, Turb, TDS, TSS, VSS, Cond	Number of Bottles	NOTES
ME-CC	3/11/18 10:25 PM	X	X	X	X	X	X	X	X	X	X	X	X	X	1	KH, LM
ME-SCR	3/11/18 11:25 PDT	X		X	X	X	X	X	X	X	X	X	X	X	1	KH, LM
ME-VR2	3/11/18 10:00 PM	X		X	X	X	X	X	X	X	X	X	X	X	1	DL, PD
MO-CAM	3/10/18 17:10 PM	X		X	X	X	X	X	X	X	X	X	X	X	1	DC, JM
MO-VEN	3/10/18 18:45 PM	X		X	X	X	X	X	X	X	X	X	X	X	1	DL, JM
MO-FIL	3/11/18 0850 PDT	X		X	X	X	X	X	X	X	X	X	X	X	1	KH, LM

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

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

608 include alpha- & gamma-chlordane

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



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


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

Q 2:01 PM 2.602
3/11/13
1545

Sampling Date: 3/10/18 + 3/11/18 Project Number: 2017/18-3 (Wet) Composites
Sampling Team: LM, AS DL, JM SG, PD KH

[illegible]

Relinquished Printed Name KELLY HAHN
Signature 
Affiliation  Vetmed Date/Time 3/11/18 / 1400 POT

Received Printed Name Hugo Chavez
Signature 
Affiliation ESSENTIAL Date/Time 3/11/18 @ 2:00 PM

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

Brandon Gee

From: Hahs, Kelly <Kelly.Hahs@ventura.org>
Sent: Wednesday, March 14, 2018 1:44 PM
To: Brandon Gee
Subject: Composite sample time corrections to COC/WeckConnect

Hi Brandon,

I found a few issues with our composite (8C11001) sample times for event 3. Some are wrong on the COC (Sorry! Teams were tired) and one is wrong on WeckConnect. Can you fix them please?

ME-CC should be 10:25 AM

MO-CAM should be 5:25 PM

MO-VEN should be 7:07 PM

MO-SIM should be 6:50 PM

MO-MPK should be 5:25 PM

MO-OXN should be 6:15 PM

Sorry for the inconvenience!

Kelly

Kelly Hahs

Water Resources Specialist IV

Ventura County Watershed Protection District

800 South Victoria Avenue

Ventura, CA 93009-1610

(805) 658-4375

www.vcstormwater.org



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

Sampling Date: 3/11/18 Project Number: 2017/18-3 (Wet) Cleaning
 Sampling Team: K. HAHS

EQUIPMENT	Clean with detergent and HNO ₃	Clean with detergent, HNO ₃ , and methanol*	No action required		NOTES
18.5 L wide neck carboy and lid	5				Please place tape or plastic bag over top and note on wrap if bottle was cleaned with methanol.
Blue cube cooler			14		
Black bags			14		
20 L narrow neck carboy, 2 lids, attachment assembly	9				Please place tape or plastic bag over top and note on wrap if bottle was cleaned with methanol.

Relinquished Printed Name KELLY HAHS
 Signature [Signature]
 Affiliation VCDPD Date/Time 3/11/18 / 1400 PDT

Received Printed Name HUGO CHAVEZ
 Signature [Signature]
 Affiliation ESSENTIAL Date/Time 3/11/18 @ 2:00 PM

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



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

Sampling Date: 3/21/18 Project Number: 2017/18-4 (Wet)
 Sampling Team: Lara Meeker, David Laak

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (25 Tube Method - MPNX)	Fecal Coliform (25 Tube Method - MPNX)	E. coli (Tray Method - WQ IDEXX)	Total Coliform (Tray Method - WQ IDEXX)		Number of Bottles	NOTES
	MO-HUE	3/21/18 1125	X	X	X	X		1	PDT
	FD-1	3/21/18 1125	X	X	X	X		1	PDT

Relinquished Printed Name: Lara Meeker
 Signature: [Signature]
 Affiliation: VC WPD Date/Time: 3/21/18 1220 PDT

Received Printed Name: Nadia West
 Signature: [Signature]
 Affiliation: PH Lab Date/Time: 3/21/18 @ 1220

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



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

8C22033

Sampling Date: 3/21/18
Sampling Team: Lara Meeker, David Laak

Project Number: 2017/18-4 (Wet) Grabs

SAMPLE ID	DATE/TIME COLLECTED	Oil & Grease (EPA 1664A)	Cyanide (ASTM D7511)	GRO (EPA 8015B)	MTBE & 2-CLEVE (EPA 624)	Travel Blanks (EPA 624)-only analyze if hits											Number of Bottles	NOTES
MO-HUE	3/21/18 1125	2	1	2	3	1											9	PDT
FD-1	3/21/18 1125	2	1	2	3	1											9	PDT

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

Relinquished Printed Name KELLY HAYS
Signature [Signature]
Affiliation VWPD Date/Time 3/22/18/

Received Printed Name Heater Sanchez
Signature [Signature]
Affiliation WECKLABS Date/Time 3-22-18 0905

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

Heater Sanchez 3-22-18 11:20 2.40
[Signature]



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

8022030

Sampling Date: 3/22/18

Project Number: 2017/18-4 (Wet) Composites

Sampling Team: K. HAHS, WB. CAREY

SAMPLE ID	DATE/TIME COLLECTED		Dissolved Inorganic Carbon and Dissolved Organic Carbon	Metals, total & dissolved (+ Hardness), & Barium (total only)	Cr+6	BOD, COD, MBAS, TKN, Ammonia, TOC	NO3+NO2 (353.2), Cl, F, SO4 (300.0), Phenolics	Phosphorus-P Total & Dissolved	625-CTR, 8270SIM-PAH, 8270SIM-Phenols *	515.3-Herb 547-Glyphosate, 608-CTR	525.2 Reg+507, 525-OPP-LL	DRO/ORO (EPA 8015B)	ALK, CLO4, Turb, TDS, TSS, VSS, Cond	Number of Bottles	NOTES
MO-HUE	3/22/18 0820	X		X	X	X	X	X	X	X	X	X	X	1	Metals by 200.8, Total & Dissolved: Sb, Ag, Al, As, Be, Cd, Cr, Cu, Fe, Ni, Pb, Se, Ti, Zn, Hg Metals by 200.7, Total (only): Ca, Mg (for Hardness calc.), AND Na, K 608 include alpha- & gamma-chlordane * Same extraction with low-level spike for 3 methods: 625CTR, 8270SIM-PAH, & 8270SIM-PHENOLS Lab to select samples for MS/MSD where extra volume permits (all test

Relinquished Printed Name KELLY HAHS
Signature Kelly HaHS
Affiliation VCWPD Date/Time 3/22/18

Received Printed Name Hector Sanchez
Signature [Signature]
Affiliation WECK LABS Date/Time 3-22-18 0905 AM

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



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

Sampling Date: 3/22/18
Sampling Team: K. HAHS

Project Number: 2017/18-4 (Wet) Cleaning

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

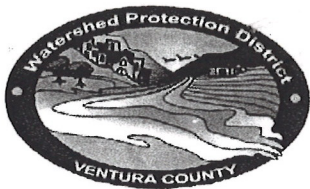
Relinquished Printed Name KELLY HAHS
Signature Kelly HaHS
Affiliation VCWPD Date/Time 3/22/18/

Received Printed Name Hector Sanchez
Signature [Signature]
Affiliation WECKLAB Date/Time 3-22-18 0905

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

Note: No black bag for bottle.

3-22-18 11:20 AM



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

6 carbays returned
7/24/18

Sampling Date: 5/30/18
 Sampling Team: L. MEEKER, K. HAHS

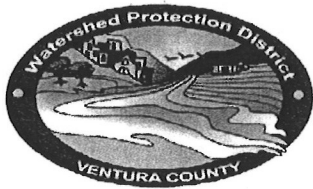
Project Number: 2017/18-21(Wet) 5 (dy)

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (25 ml Method - MPN)	Total Coliform (25 ml Method - MPN)	E. coli (Tray Method - WQ IDEXX)	Total Coliform (Tray Method - WQ IDEXX)	Number of Bottles	NOTES
	ME-CC	5/30/18 1055	X	X	X	X	1	
	ME-CCR MO-CAM	1145	X	X	X	X	1	
	ME-CCR MO-THO	0950	X	X	X	X	1	
	MO-CAM MO-SIM	0840	X	X	X	X	1	
	MO-CAM MO-MPK		X	X	X	X	1	DRY
	MO-MBI MO-HLE	5/30/18 1255	X	X	X	X	1	
	MO-VEN		X	X	X	X	1	
	PD-1		X	X	X	X	1	
	PD-1		X	X	X	X	1	

Relinquished Printed Name KELLY HAHS
 Signature [Signature]
 Affiliation VCHCA Date/Time 5/30/18 / 1344

Received Printed Name Nadia West
 Signature [Signature]
 Affiliation PH Lab Date/Time 053018 1344

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



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

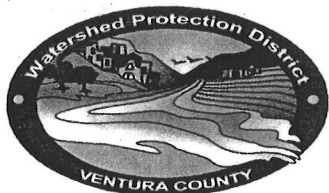
Sampling Date: June 6, 2018 Project Number: 2017/18-2018 (dry)
 Sampling Team: Andy Spruka & Bill Carey

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	E. coli (Tray Method - WQ IDEXX)	Total Coliform (Tray Method - WQ IDEXX)	Number of Bottles	NOTES
ME-GA-ME-V02	ME-GA-ME-V02		X	X	1	
ME-GA-ME-V03	ME-GA-ME-V03		X	X	1	
ME-GA-ME-V04	ME-GA-ME-V04		X	X	1	
ME-GA-ME-V05	ME-GA-ME-V05		X	X	1	
ME-GA-ME-V06	ME-GA-ME-V06		X	X	1	
ME-GA-ME-V07	ME-GA-ME-V07		X	X	1	
ME-GA-ME-V08	ME-GA-ME-V08		X	X	1	
ME-GA-ME-V09	ME-GA-ME-V09		X	X	1	
ME-GA-ME-V10	ME-GA-ME-V10		X	X	1	
ME-GA-ME-V11	ME-GA-ME-V11		X	X	1	
ME-GA-ME-V12	ME-GA-ME-V12		X	X	1	
ME-GA-ME-V13	ME-GA-ME-V13		X	X	1	
ME-GA-ME-V14	ME-GA-ME-V14		X	X	1	
ME-GA-ME-V15	ME-GA-ME-V15		X	X	1	
ME-GA-ME-V16	ME-GA-ME-V16		X	X	1	
ME-GA-ME-V17	ME-GA-ME-V17		X	X	1	
ME-GA-ME-V18	ME-GA-ME-V18		X	X	1	
ME-GA-ME-V19	ME-GA-ME-V19		X	X	1	
ME-GA-ME-V20	ME-GA-ME-V20		X	X	1	
ME-GA-ME-V21	ME-GA-ME-V21		X	X	1	
ME-GA-ME-V22	ME-GA-ME-V22		X	X	1	
ME-GA-ME-V23	ME-GA-ME-V23		X	X	1	
ME-GA-ME-V24	ME-GA-ME-V24		X	X	1	
ME-GA-ME-V25	ME-GA-ME-V25		X	X	1	
ME-GA-ME-V26	ME-GA-ME-V26		X	X	1	
ME-GA-ME-V27	ME-GA-ME-V27		X	X	1	
ME-GA-ME-V28	ME-GA-ME-V28		X	X	1	
ME-GA-ME-V29	ME-GA-ME-V29		X	X	1	
ME-GA-ME-V30	ME-GA-ME-V30		X	X	1	
ME-GA-ME-V31	ME-GA-ME-V31		X	X	1	
ME-GA-ME-V32	ME-GA-ME-V32		X	X	1	
ME-GA-ME-V33	ME-GA-ME-V33		X	X	1	
ME-GA-ME-V34	ME-GA-ME-V34		X	X	1	
ME-GA-ME-V35	ME-GA-ME-V35		X	X	1	
ME-GA-ME-V36	ME-GA-ME-V36		X	X	1	
ME-GA-ME-V37	ME-GA-ME-V37		X	X	1	
ME-GA-ME-V38	ME-GA-ME-V38		X	X	1	
ME-GA-ME-V39	ME-GA-ME-V39		X	X	1	
ME-GA-ME-V40	ME-GA-ME-V40		X	X	1	
ME-GA-ME-V41	ME-GA-ME-V41		X	X	1	
ME-GA-ME-V42	ME-GA-ME-V42		X	X	1	
ME-GA-ME-V43	ME-GA-ME-V43		X	X	1	
ME-GA-ME-V44	ME-GA-ME-V44		X	X	1	
ME-GA-ME-V45	ME-GA-ME-V45		X	X	1	
ME-GA-ME-V46	ME-GA-ME-V46		X	X	1	
ME-GA-ME-V47	ME-GA-ME-V47		X	X	1	
ME-GA-ME-V48	ME-GA-ME-V48		X	X	1	
ME-GA-ME-V49	ME-GA-ME-V49		X	X	1	
ME-GA-ME-V50	ME-GA-ME-V50		X	X	1	
ME-GA-ME-V51	ME-GA-ME-V51		X	X	1	
ME-GA-ME-V52	ME-GA-ME-V52		X	X	1	
ME-GA-ME-V53	ME-GA-ME-V53		X	X	1	
ME-GA-ME-V54	ME-GA-ME-V54		X	X	1	
ME-GA-ME-V55	ME-GA-ME-V55		X	X	1	
ME-GA-ME-V56	ME-GA-ME-V56		X	X	1	
ME-GA-ME-V57	ME-GA-ME-V57		X	X	1	
ME-GA-ME-V58	ME-GA-ME-V58		X	X	1	
ME-GA-ME-V59	ME-GA-ME-V59		X	X	1	
ME-GA-ME-V60	ME-GA-ME-V60		X	X	1	
ME-GA-ME-V61	ME-GA-ME-V61		X	X	1	
ME-GA-ME-V62	ME-GA-ME-V62		X	X	1	
ME-GA-ME-V63	ME-GA-ME-V63		X	X	1	
ME-GA-ME-V64	ME-GA-ME-V64		X	X	1	
ME-GA-ME-V65	ME-GA-ME-V65		X	X	1	
ME-GA-ME-V66	ME-GA-ME-V66		X	X	1	
ME-GA-ME-V67	ME-GA-ME-V67		X	X	1	
ME-GA-ME-V68	ME-GA-ME-V68		X	X	1	
ME-GA-ME-V69	ME-GA-ME-V69		X	X	1	
ME-GA-ME-V70	ME-GA-ME-V70		X	X	1	
ME-GA-ME-V71	ME-GA-ME-V71		X	X	1	
ME-GA-ME-V72	ME-GA-ME-V72		X	X	1	
ME-GA-ME-V73	ME-GA-ME-V73		X	X	1	
ME-GA-ME-V74	ME-GA-ME-V74		X	X	1	
ME-GA-ME-V75	ME-GA-ME-V75		X	X	1	
ME-GA-ME-V76	ME-GA-ME-V76		X	X	1	
ME-GA-ME-V77	ME-GA-ME-V77		X	X	1	
ME-GA-ME-V78	ME-GA-ME-V78		X	X	1	
ME-GA-ME-V79	ME-GA-ME-V79		X	X	1	
ME-GA-ME-V80	ME-GA-ME-V80		X	X	1	
ME-GA-ME-V81	ME-GA-ME-V81		X	X	1	
ME-GA-ME-V82	ME-GA-ME-V82		X	X	1	
ME-GA-ME-V83	ME-GA-ME-V83		X	X	1	
ME-GA-ME-V84	ME-GA-ME-V84		X	X	1	
ME-GA-ME-V85	ME-GA-ME-V85		X	X	1	
ME-GA-ME-V86	ME-GA-ME-V86		X	X	1	
ME-GA-ME-V87	ME-GA-ME-V87		X	X	1	
ME-GA-ME-V88	ME-GA-ME-V88		X	X	1	
ME-GA-ME-V89	ME-GA-ME-V89		X	X	1	
ME-GA-ME-V90	ME-GA-ME-V90		X	X	1	
ME-GA-ME-V91	ME-GA-ME-V91		X	X	1	
ME-GA-ME-V92	ME-GA-ME-V92		X	X	1	
ME-GA-ME-V93	ME-GA-ME-V93		X	X	1	
ME-GA-ME-V94	ME-GA-ME-V94		X	X	1	
ME-GA-ME-V95	ME-GA-ME-V95		X	X	1	
ME-GA-ME-V96	ME-GA-ME-V96		X	X	1	
ME-GA-ME-V97	ME-GA-ME-V97		X	X	1	
ME-GA-ME-V98	ME-GA-ME-V98		X	X	1	
ME-GA-ME-V99	ME-GA-ME-V99		X	X	1	
ME-GA-ME-V100	ME-GA-ME-V100		X	X	1	

Relinquished Printed Name W.B. CAREY
 Signature W.B. Carey
 Affiliation VCWPD Date/Time 6-6-18/1:40

Received Printed Name Nadia West
 Signature [Signature]
 Affiliation Pf Lab Date/Time 6-6-18/1:40

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



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

Sampling Date: 6/21/18

Project Number: 2017/18-1224 **5(04)**

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

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (25 Tube Method - MPN)	E. coli (Tray Method - WQ IDEXX)	Total Coliform (Tray Method - WQ IDEXX)	Number of Bottles	NOTES
	ME-CC ME-VR2	6/21/18 1115	X	X	X	1	
	ME-SUR (MD-ME)		X	X	X	1	DRY
	ME-VR2 MD-SPA	6/21/18 0925	X	X	X	1	
	MD-SUR		X	X	X	1	
	MD-FU		X	X	X	1	
	MD-CON		X	X	X	1	
	MD-SPA		X	X	X	1	
	MD-VEH		X	X	X	1	
	MD-HSE		X	X	X	1	

Relinquished Printed Name KELLY HAHS

Signature [Signature]

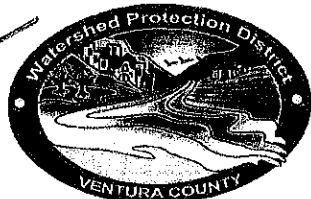
Affiliation VCHCA Date/Time 6/21/18

Received Printed Name SAH Y. BARRALAN

Signature [Signature]

Affiliation PH-LAB Date/Time 6/21/18 12:00

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



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

8E30115

Sampling Date: 5/30/18

Project Number: 2017/18-5 (Dry) Grabs

Sampling Team: L. MEEKER, K. HAHS

SAMPLE ID	DATE/TIME COLLECTED													Number of Bottles	NOTES
		Oil & Grease (EPA 1664A)	Cyanide (ASTM D7511)	GRO (EPA 8015B)	MTBE & 2-CLEVE (EPA 624)	Travel Blanks (EPA 624)-only analyze if hits									
ME-CC	5/30/18 1055	2	1	2	3	1								9	
MO-CAM	↓ 1145	2	1	2	3	1								9	
MO-MPK		2	1	2	3	1								9	DRY
MO-SIM	5/30/18 0840	2	1	2	3	1								9	
MO-THO	↓ 0960	2	1	2	3	1								9	
MO-HUE	↓ 1255	2	1	2	3	1								9	

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

Relinquished

Printed Name KELLY HAHS

Signature [Signature]

Affiliation VCWPD

Date/Time 5/30/18 / 1500

Received

Printed Name DAVID LEVY

Signature [Signature]

Affiliation PM S

Date/Time 2:53 PM

Other Notes:

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

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

Jamethan 5/30/18 1841 2:10



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

8F06055

Sampling Date: JUNE 6th, 2018 Project Number: 2017/18-5 (Dry) Grabs
Sampling Team: W.B. CAREY & A. SPYRKA

SAMPLE ID	DATE/TIME COLLECTED											Number of Bottles	NOTES
		Oil & Grease (EPA 1664A)	Cyanide (ASTM D7511)	GRO (EPA 8015B)	MTBE & 2-CLEVE (EPA 624)	Travel Blanks (EPA 624)-only analyze if hits							
ME-VR2		2	1	2	3	1						9	
MO-MEI		2	1	2	3	1						9	
MO-OJA		2	1	2	3	1						9	
ME-SCR	6-6-18/1045	3	1	2	3	1						10	
MO-FIL	6-6-18/0745	2	1	2	3	1						9	
MO-CHN		2	1	2	3	1						9	
MO-SPA		2	1	2	3	1						9	
MO-VEN	6-6-18/0920	2	1	2	3	1						9	
MO-LUE		2	1	2	3	1						9	

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

Relinquished Printed Name W.B. CAREY
Signature W.B. Carey
Affiliation VCWPD Date/Time 6-6-18/1530

Received Printed Name [Signature]
Signature [Signature]
Affiliation Ventura County Date/Time 6-6-18/1530

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

James [Signature] 6/6/18 17:45 18°C



8F21050

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

Sampling Date:

6/21/18

Project Number: 2017/18-5 (Dry) Grabs

Sampling Team:

W.B. CAREY, K. HAHS

SAMPLE ID	DATE/TIME COLLECTED											Number of Bottles	NOTES
		Oil & Grease (EPA 1664A)	Cyanide (ASTM D7511)	GRO (EPA 8015B)	MTBE & 2-CLEVE (EPA 624)	Travel Blanks (EPA 624)-only analyze if hits							
ME-VR2	6/21/18 1115	2	1	2	3	1						9	
MO-MEI		2	1	2	3	1						9	DRY
MO-OJA	6/21/18 0925	2	1	2	3	1						9	
ME-SCR		3	1	2	3	1						10	
MO-EH		2	1	2	3	1						9	
MO-ON		2	1	2	3	1						9	
MO-SPA		3	1	2	3	1						9	
MO-VEN		2	1	2	3	1						9	
MO-MUL		2	1	2	3	1						9	

Relinquished

Printed Name

KELLY HAHS

Signature

Kelly HaHS

Affiliation

VCWPD

Date/Time

6/21/18 1330

Received

Printed Name

ALAN GOLDBERG

Signature

Alan Goldberg

Affiliation

WECK LABS

Date/Time

6/21/18 1330

Other Notes:

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

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



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

8C30080

Sampling Date: 5/30/18

Project Number: 2017/18-5 (Dry) Composites

Sampling Team: L. MEEKER, K. HAHS

SAMPLE ID	DATE/TIME COLLECTED	Dissolved Inorganic Carbon and Dissolved Organic Carbon	NO3-N, Total Chlorine Residual	Metals, total & dissolved (+ Hardness), & Barium (total only)	Cr+6	BOD, COD, MBAS, TKN, Ammonia, TOC	NO3+NO2 (353.2), Cl, F, SO4 (300.0), Phenolics	Phosphorus-P Total & Dissolved	625-CTR, 8270SIM-PAH, 8270SIM-Phenols *	515.3-Herb 547-Glyphosate, 608-CTR	525.2 Reg+507, 525-OPP-LL	DRO/ORO (EPA 8015B)	ALK, CLO4, Turb, TDS, TSS, VSS, Cond	Number of Bottles	NOTES
ME-CC	5/30/18 1045	X	X	X	X	X	X	X	X	X	X	X	X	1	Metals by 200.8, Total & Dissolved: Sb, Ag, Al, As, Be, Cd, Cr, Cu, Fe, Ni, Pb, Se, Ti, Zn, Hg Metals by 200.7, Total (only): Ca, Mg (for Hardness calc.), AND Na, K 608 include alpha- & gamma-chlordane * Same extraction with low-level spike for 3 methods: 625CTR, 8270SIM-PAH, & 8270SIM-PHENOLS Lab to select samples for MS/MSD where extra volume permits (all test)
MO-CAM	1135	X		X	X	X	X	X	X	X	X	X	X	1	
MO-MPK	0800	X		X	X	X	X	X	X	X	X	X	X	1	
MO-SIM	0900	X		X	X	X	X	X	X	X	X	X	X	1	
MO-THO	0950	X		X	X	X	X	X	X	X	X	X	X	1	
MO-HUE	1245	X		X	X	X	X	X	X	X	X	X	X	1	
		X		X	X	X	X	X	X	X	X	X	X	1	

Relinquished Printed Name KELLY HAHS

Signature [Signature]

Affiliation VWD Date/Time 5/30/18/1500

Received Printed Name [Signature]

Signature DAVID LEVY

Affiliation RMS Date/Time 2:45 PM

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



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

8E30080

Sampling Date: 5/30/18
Sampling Team: L. MEEKER, K. HAHS

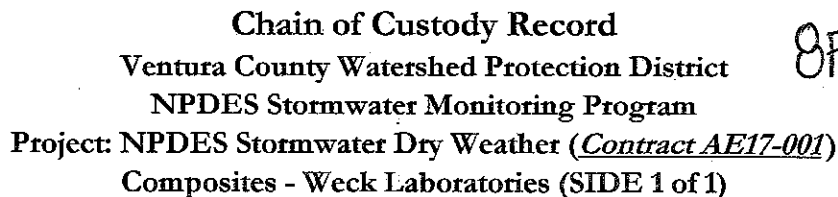
Project Number: 2017/18-2 ^{5(0-y)} ~~(V-2)~~ Cleaning

EQUIPMENT	Clean with detergent and HNO ₃	Clean with detergent, HNO ₃ , and methanol*	No action required	Please dispose of: (Not used)	NOTES
18.5 L wide neck carboy and lid	2				Please place tape or plastic bag over top and note on wrap if bottle was cleaned with methanol.
Blue cube cooler			6		
Black bags			6		
20 L narrow neck carboy, 2 lids, attachment assembly	4				Please place tape or plastic bag over top and note on wrap if bottle was cleaned with methanol.
13 bottles w/ sodium azide ^{PREV}				3	

Relinquished Printed Name KELLY HAHS
Signature [Signature]
Affiliation VWSPD Date/Time 5/30/18 / 1500

Received Printed Name [Signature]
Signature DAVID LEVY
Affiliation RMS Date/Time 2:55 PM

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



8F0604P

Project Number: 2017/18-5 (Dry) Composites

Sampling Team: W.B. CAREY & A. SPYRKA

[illegible]

Relinquished

Printed Name **W. S. CAREY**

Signature W.B. Carey

Affiliation **VCNPD**

Date/Time 6-6-18 / 1530

Received

Printed Name David Lee

Signature

Affiliation

Date/Time 6-6-18/1530

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

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



8700049

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

Sampling Date: 6-6-18
 Sampling Team: W.B. CAREY & A. SPYRKA

Project Number: 2017/18-2 (5 (pry) Cleaning)

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

Relinquished Printed Name W.B. CAREY
 Signature W.B. Carey
 Affiliation VCWPD Date/Time 6-6-18/1530

Received Printed Name J. Delaney
 Signature [Signature]
 Affiliation Rehabilitation Date/Time 6-6-18/1530

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

Jameline Celis 17:45

8F21047



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

Sampling Date: 6/21/18

Project Number: 2017/18-5 (Dry) Composites

Sampling Team: W.B. CAREY K. HAYS

SAMPLE ID	DATE/TIME COLLECTED					Dissolved Inorganic Carbon and Dissolved Organic Carbon	Metals, total & dissolved (+ Hardness), & Barium (total only)	Cr+6	BOD, COD, MBAS, TKN, Ammonia, TOC	NO3+NO2 (353.2), Cl, F, SO4 (300.0), Phenolics	Phosphorus-P Total & Dissolved	625-CTR, 8270SIM-PAH, 8270SIM-Phenols *	515.3-Herb 547-Glyphosate, 608-CTR	525.2 Reg+507, 525-OPP-LL	DRO/ORO (EPA 8015B)	ALK, CLO4, Turb, TDS, TSS, VSS, Cond	Number of Bottles	NOTES
ME-VR2	6/21/18 1110					X	X	X	X	X	X	X	X	X	X	X	1	
MO-MEI						X	X	X	X	X	X	X	X	X	X	X	1	DRY
MO-OJA	6/21/18 0925					X	X	X	X	X	X	X	X	X	X	X	1	
ME-SCP						X	X	X	X	X	X	X	X	X	X	X	1	
MO-FIL						X	X	X	X	X	X	X	X	X	X	X	1	
MO-CHN						X	X	X	X	X	X	X	X	X	X	X	1	
MO-VEN						X	X	X	X	X	X	X	X	X	X	X	1	

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

Relinquished Printed Name KELLY HAYS
Signature [Signature]
Affiliation VCWPD Date/Time 6/21/18 / 1330

Received Printed Name ALLAN GOLDBERG
Signature [Signature]
Affiliation WECKLABS Date/Time 6/21/18 1330

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

Relinquish to Allan G 6/21/18 1625



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

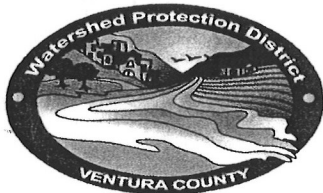
Sampling Date: 6/21/18 Project Number: 2017/18-5 (Dry) Cleaning
 Sampling Team: K. HAHS

EQUIPMENT	Clean with detergent and HNO ₃	Clean with detergent, HNO ₃ , and methanol*	No action required		NOTES
18.5 L wide neck carboy and lid	1				Please place tape or plastic bag over top and note on wrap if bottle was cleaned with methanol.
20 L narrow neck carboy and lid (+assembly) or silicone stopper	1				Please place tape or plastic bag over top and note on wrap if bottle was cleaned with methanol.
Silicone stoppers	1				
Blue cube cooler			2		
Grey bucket			2		
Black bottle bag			2		
Bottle harness			2		

Relinquished Printed Name KELLY HAHS
 Signature [Signature]
 Affiliation VCWPD Date/Time 6/21/18 / 1330

Received Printed Name ALLAN G
 Signature [Signature]
 Affiliation WECK Date/Time 6/21/18 1330

Other Notes: * Allow to air dry (don't rinse) after methanol step to avoid organics contamination).
Record the bottles cleaned with methanol.
[Signature] [Signature] 6/21/18 1625



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

Rec'd
incubated @
1512

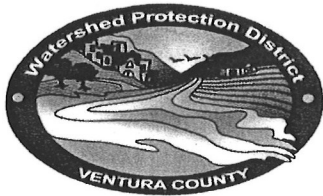
Sampling Date: 8/20/18 Sample Event: DRY 2018
Sampling Team: W.B. CAREY

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (Tray Method - WQ IDEXX)	E. coli (Tray Method - WQ IDEXX)								Number of Bottles	NOTES
	Gamarillo-1	—	x	x									MO-CAM
1	Fillmore-1	8/20/18 1120	x	x								1	MO-FIL
	Moorpark-1	—											MO-MPK
2	Ojai-6	8/20/18 1225	x	x								1	MO-OJA DRY-OJA6
3	Oxnard-2	8/20/18 0840	x	x								1	MO-oxn DRY-oxn2
	Port Hueneme-3	8/20/18 1430											DRY-HUE3 rec'd 1512
4	Santa Paula-4	8/20/18 1040	x	x								1	DRY-SPA4
	Simi Valley-1	—											MO-SIM
	Thousand Oaks-1	—											MO-THO
	Unincorporated-1	—											DRY-UNI1
5	Ventura-5	8/20/18 1320	x	x								1	MO-ven DRY-ven5

Relinquished Printed Name KELLY HAYS
Signature [Signature]
Affiliation VCWPD Date/Time 8/20/18 / 1405

Received Printed Name SAL Y. BARRAGAN
Signature [Signature]
Affiliation P.H. Lab Date/Time 8/20/18 14:05 *

Other Notes: 1:10, 1:100, and 1:1000 dilutions
Port Hueneme-3 relinquished 8/20/18 1512 Kelly Hays



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

Sampling Date: 8/21/18 Sample Event: DRY 2018

Sampling Team: W.B. CAREY

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (Tray Method - WQ IDEXX)	E. coli (Tray Method - WQ IDEXX)							Number of Bottles	NOTES
	Camarillo-1	8/21/18 0740	X	X							1	MO-CAM
	Fillmore-1	—										MO-FIL
	Moorpark-1	8/21/18 0840	X	X							1	MO-MPK
	Ojai-1	—										MO-OJA
	Ormond-1	—										MO-ORN
	Port Huachuca-3	—										DRY-HUE3
	Santa Paula-2	—										DRY-SPA2
	Simi Valley-1	8/21/18 0925	X	X							1	MO-SIM
	Thousand Oaks-1	1100	X	X							1	MO-THO
	Unincorporated-4	↓ 1010	X	X							1	DRY-UNI4
	Ventura-1	—										MO-VEN

Relinquished Printed Name KELLY HAHS
 Signature [Signature]
 Affiliation VCHCA Date/Time 8/21/18 / 1147

Received Printed Name Nadia West
 Signature [Signature]
 Affiliation PH Lab Date/Time 082118 @ 1148

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



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Major Outfall Dry Weather Monitoring
Grabs - Weck Laboratories

8/21/18
8/21/18

Invoice Contract No. AE17-001

Sampling Date: 8/20/18 + 8/21/18

Sample Event: DRY 2018

Sampling Team: W.B. CAREY

SAMPLE ID	DATE/TIME COLLECTED	Total Hardness	TOC	Dissolved Metals by 200.8 (Lead, Zinc, Copper)	Number of Bottles	NOTES
Camarillo-1	8/21/18 0740	X	X	X	4	MO-CAM
Fillmore-1	8/20/18 1120	X	X	X	4	MO-FIL
Moorpark-1	8/21/18 0840	X	X	X	4	MO-MPK
Ojai-6	8/20/18 1225	X	X	X	4	DRY-COAG
Oxnard-2	0840	X	X	X	4	DRY-ON2
Port Hueneme-3	1430	X	X	X	4	DRY-HUE3
Santa Paula-4	1040	X	X	X	4	DRY-SPA4
Simi Valley-1	8/21/18 0925	X	X	X	4	MO-SIM
Thousand Oaks-1	1100	X	X	X	4	MO-THO
Unincorporated-4	1010	X	X	X	4	DRY-UN14
Ventura-5	8/20/18 1320	X	X	X	4	DRY-VEN5

Relinquished

Printed Name

KELLY HAW

Signature

Kelly Haw

Affiliation

VCWPD

Date/Time

8/21/18 / 1358

Received

Printed Name

BRUCE MARKOVICH

Signature

Bruce Markovich

Affiliation

WECKLABS

Date/Time

8/21/18 / 1358

Other Notes:

Need Data for your AO 8/21/18 3:00

8/21/18 4:30

Appendix F. Laboratory QA/QC Analysis Results

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	Lab	LCS	1/15/2018	Anion	Chloride	n/a	=	9.94	mg/L	EPA 300.0	0.1	0.5			
2017/18-1	Lab	LCS, rec	1/15/2018	Anion	Chloride	n/a	=	99	%	EPA 300.0	-88	-88	90	110	
2017/18-1	Lab	method blank	1/15/2018	Anion	Chloride	n/a	<	0.1	mg/L	EPA 300.0	0.1	0.5			
2017/18-1	ME-SCR	matrix spike	1/15/2018	Anion	Chloride	n/a	=	357	mg/L	EPA 300.0	1	5			GB
2017/18-1	ME-SCR	matrix spike dup	1/15/2018	Anion	Chloride	n/a	=	357	mg/L	EPA 300.0	1	5			GB
2017/18-1	ME-SCR	matrix spike dup, rec	1/15/2018	Anion	Chloride	n/a	=	159	%	EPA 300.0	-88	-88	76	118	GB
2017/18-1	ME-SCR	matrix spike, rec	1/15/2018	Anion	Chloride	n/a	=	159	%	EPA 300.0	-88	-88	76	118	GB
2017/18-1	ME-SCR	matrix spike, RPD	1/15/2018	Anion	Chloride	n/a	=	0.008	%	EPA 300.0	-88	-88	0	20	
2017/18-1	ME-VR2	matrix spike	1/15/2018	Anion	Chloride	n/a	=	164	mg/L	EPA 300.0	1	5			
2017/18-1	ME-VR2	matrix spike dup	1/15/2018	Anion	Chloride	n/a	=	164	mg/L	EPA 300.0	1	5			
2017/18-1	ME-VR2	matrix spike dup, rec	1/15/2018	Anion	Chloride	n/a	=	98	%	EPA 300.0	-88	-88	76	118	
2017/18-1	ME-VR2	matrix spike, rec	1/15/2018	Anion	Chloride	n/a	=	98	%	EPA 300.0	-88	-88	76	118	
2017/18-1	ME-VR2	matrix spike, RPD	1/15/2018	Anion	Chloride	n/a	=	0.07	%	EPA 300.0	-88	-88	0	20	
2017/18-1	Lab	LCS	1/15/2018	Anion	Fluoride	n/a	=	0.98	mg/L	EPA 300.0	0.02	0.1			
2017/18-1	Lab	LCS, rec	1/15/2018	Anion	Fluoride	n/a	=	95	%	EPA 300.0	-88	-88	90	110	
2017/18-1	Lab	method blank	1/15/2018	Anion	Fluoride	n/a	<	0.02	mg/L	EPA 300.0	0.02	0.1			
2017/18-1	ME-SCR	matrix spike	1/15/2018	Anion	Fluoride	n/a	=	10.4	mg/L	EPA 300.0	0.2	1			
2017/18-1	ME-SCR	matrix spike dup	1/15/2018	Anion	Fluoride	n/a	=	10.4	mg/L	EPA 300.0	0.2	1			
2017/18-1	ME-SCR	matrix spike dup, rec	1/15/2018	Anion	Fluoride	n/a	=	96	%	EPA 300.0	-88	-88	86	107	
2017/18-1	ME-SCR	matrix spike, rec	1/15/2018	Anion	Fluoride	n/a	=	96	%	EPA 300.0	-88	-88	86	107	
2017/18-1	ME-SCR	matrix spike, RPD	1/15/2018	Anion	Fluoride	n/a	=	0.5	%	EPA 300.0	-88	-88	0	20	
2017/18-1	ME-VR2	matrix spike	1/15/2018	Anion	Fluoride	n/a	=	9.98	mg/L	EPA 300.0	0.2	1			
2017/18-1	ME-VR2	matrix spike dup	1/15/2018	Anion	Fluoride	n/a	=	10.2	mg/L	EPA 300.0	0.2	1			
2017/18-1	ME-VR2	matrix spike dup, rec	1/15/2018	Anion	Fluoride	n/a	=	95	%	EPA 300.0	-88	-88	86	107	
2017/18-1	ME-VR2	matrix spike, rec	1/15/2018	Anion	Fluoride	n/a	=	93	%	EPA 300.0	-88	-88	86	107	
2017/18-1	ME-VR2	matrix spike, RPD	1/15/2018	Anion	Fluoride	n/a	=	2	%	EPA 300.0	-88	-88	0	20	
2017/18-1	000NONPJ	matrix spike	1/17/2018	Anion	Perchlorate	n/a	=	9.25	µg/L	EPA 314.0	0.95	2			
2017/18-1	000NONPJ	matrix spike, rec	1/17/2018	Anion	Perchlorate	n/a	=	93	%	EPA 314.0	-88	-88	80	120	
2017/18-1	000NONPJ	matrix spike dup	1/17/2018	Anion	Perchlorate	n/a	=	9.66	µg/L	EPA 314.0	0.95	2			
2017/18-1	000NONPJ	matrix spike dup, rec	1/17/2018	Anion	Perchlorate	n/a	=	97	%	EPA 314.0	-88	-88	80	120	
2017/18-1	000NONPJ	matrix spike, RPD	1/17/2018	Anion	Perchlorate	n/a	=	4	%	EPA 314.0	-88	-88	0	15	
2017/18-1	000NONPJ	matrix spike	1/20/2018	Anion	Perchlorate	n/a	=	10.2	µg/L	EPA 314.0	0.95	2			
2017/18-1	000NONPJ	matrix spike, rec	1/20/2018	Anion	Perchlorate	n/a	=	102	%	EPA 314.0	-88	-88	80	120	
2017/18-1	000NONPJ	matrix spike dup	1/20/2018	Anion	Perchlorate	n/a	=	10.5	µg/L	EPA 314.0	0.95	2			
2017/18-1	000NONPJ	matrix spike dup, rec	1/20/2018	Anion	Perchlorate	n/a	=	105	%	EPA 314.0	-88	-88	80	120	
2017/18-1	000NONPJ	matrix spike, RPD	1/20/2018	Anion	Perchlorate	n/a	=	2	%	EPA 314.0	-88	-88	0	15	
2017/18-1	Lab	method blank	1/17/2018	Anion	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2			
2017/18-1	Lab	LCS	1/17/2018	Anion	Perchlorate	n/a	=	10.4	µg/L	EPA 314.0	0.95	2			
2017/18-1	Lab	LCS, rec	1/17/2018	Anion	Perchlorate	n/a	=	104	%	EPA 314.0	-88	-88	85	115	
2017/18-1	Lab	method blank	1/20/2018	Anion	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2			
2017/18-1	Lab	LCS	1/20/2018	Anion	Perchlorate	n/a	=	9.75	µg/L	EPA 314.0	0.95	2			
2017/18-1	Lab	LCS, rec	1/20/2018	Anion	Perchlorate	n/a	=	97	%	EPA 314.0	-88	-88	85	115	
2017/18-1	Lab	method blank	1/22/2018	Anion	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2			
2017/18-1	Lab	LCS	1/22/2018	Anion	Perchlorate	n/a	=	5.12	µg/L	EPA 314.0	0.95	2			
2017/18-1	Lab	LCS, rec	1/22/2018	Anion	Perchlorate	n/a	=	102	%	EPA 314.0	-88	-88	85	115	
2017/18-1	ME-VR2	matrix spike	1/22/2018	Anion	Perchlorate	n/a	=	108	µg/L	EPA 314.0	19	40			
2017/18-1	ME-VR2	matrix spike, rec	1/22/2018	Anion	Perchlorate	n/a	=	108	%	EPA 314.0	-88	-88	80	120	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	ME-VR2	matrix spike dup	1/22/2018	Anion	Perchlorate	n/a	=	108	µg/L	EPA 314.0	19	40			
2017/18-1	ME-VR2	matrix spike dup, rec	1/22/2018	Anion	Perchlorate	n/a	=	108	%	EPA 314.0	-88	-88	80	120	
2017/18-1	ME-VR2	matrix spike, RPD	1/22/2018	Anion	Perchlorate	n/a	=	0.3	%	EPA 314.0	-88	-88	0	15	
2017/18-1	Lab	LCS	1/15/2018	Anion	Sulfate	Total	=	9.87	mg/L	EPA 300.0	0.1	0.5			
2017/18-1	Lab	LCS, rec	1/15/2018	Anion	Sulfate	Total	=	98	%	EPA 300.0	-88	-88	90	110	
2017/18-1	Lab	method blank	1/15/2018	Anion	Sulfate	Total	<	0.1	mg/L	EPA 300.0	0.1	0.5			
2017/18-1	ME-SCR	matrix spike	1/15/2018	Anion	Sulfate	Total	=	1460	mg/L	EPA 300.0	1	5			GB
2017/18-1	ME-SCR	matrix spike dup	1/15/2018	Anion	Sulfate	Total	=	1460	mg/L	EPA 300.0	1	5			GB
2017/18-1	ME-SCR	matrix spike dup, rec	1/15/2018	Anion	Sulfate	Total	=	322	%	EPA 300.0	-88	-88	78	111	GB
2017/18-1	ME-SCR	matrix spike, rec	1/15/2018	Anion	Sulfate	Total	=	323	%	EPA 300.0	-88	-88	78	111	GB
2017/18-1	ME-SCR	matrix spike, RPD	1/15/2018	Anion	Sulfate	Total	=	0.05	%	EPA 300.0	-88	-88	0	20	
2017/18-1	ME-VR2	matrix spike	1/15/2018	Anion	Sulfate	Total	=	422	mg/L	EPA 300.0	1	5			GB
2017/18-1	ME-VR2	matrix spike dup	1/15/2018	Anion	Sulfate	Total	=	421	mg/L	EPA 300.0	1	5			GB
2017/18-1	ME-VR2	matrix spike dup, rec	1/15/2018	Anion	Sulfate	Total	=	163	%	EPA 300.0	-88	-88	78	111	GB
2017/18-1	ME-VR2	matrix spike, rec	1/15/2018	Anion	Sulfate	Total	=	165	%	EPA 300.0	-88	-88	78	111	GB
2017/18-1	ME-VR2	matrix spike, RPD	1/15/2018	Anion	Sulfate	Total	=	0.4	%	EPA 300.0	-88	-88	0	20	
2017/18-1	000NONPJ	matrix spike	1/16/2018	Cation	Calcium	Total	=	60.5	mg/L	EPA 200.7	0.016	0.1			
2017/18-1	000NONPJ	matrix spike, rec	1/16/2018	Cation	Calcium	Total	=	99	%	EPA 200.7	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike dup	1/16/2018	Cation	Calcium	Total	=	60.2	mg/L	EPA 200.7	0.016	0.1			
2017/18-1	000NONPJ	matrix spike dup, rec	1/16/2018	Cation	Calcium	Total	=	99	%	EPA 200.7	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike, RPD	1/16/2018	Cation	Calcium	Total	=	0.5	%	EPA 200.7	-88	-88	0	30	
2017/18-1	000NONPJ	matrix spike	1/16/2018	Cation	Calcium	Total	=	59.5	mg/L	EPA 200.7	0.016	0.1			
2017/18-1	000NONPJ	matrix spike, rec	1/16/2018	Cation	Calcium	Total	=	102	%	EPA 200.7	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike dup	1/16/2018	Cation	Calcium	Total	=	58.3	mg/L	EPA 200.7	0.016	0.1			
2017/18-1	000NONPJ	matrix spike dup, rec	1/16/2018	Cation	Calcium	Total	=	100	%	EPA 200.7	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike, RPD	1/16/2018	Cation	Calcium	Total	=	2	%	EPA 200.7	-88	-88	0	30	
2017/18-1	Lab	method blank	1/16/2018	Cation	Calcium	Total	<	0.016	mg/L	EPA 200.7	0.016	0.1			
2017/18-1	Lab	LCS	1/16/2018	Cation	Calcium	Total	=	52.3	mg/L	EPA 200.7	0.016	0.1			
2017/18-1	Lab	LCS, rec	1/16/2018	Cation	Calcium	Total	=	104	%	EPA 200.7	-88	-88	85	115	
2017/18-1	Lab	method blank	1/18/2018	Cation	Calcium	Total	<	0.016	mg/L	EPA 200.7	0.016	0.1			
2017/18-1	Lab	LCS	1/18/2018	Cation	Calcium	Total	=	50.7	mg/L	EPA 200.7	0.016	0.1			
2017/18-1	Lab	LCS, rec	1/18/2018	Cation	Calcium	Total	=	101	%	EPA 200.7	-88	-88	85	115	
2017/18-1	ME-CC	matrix spike	1/18/2018	Cation	Calcium	Total	=	108	mg/L	EPA 200.7	0.016	0.1			
2017/18-1	ME-CC	matrix spike, rec	1/18/2018	Cation	Calcium	Total	=	97	%	EPA 200.7	-88	-88	70	130	
2017/18-1	ME-CC	matrix spike dup	1/18/2018	Cation	Calcium	Total	=	108	mg/L	EPA 200.7	0.016	0.1			
2017/18-1	ME-CC	matrix spike dup, rec	1/18/2018	Cation	Calcium	Total	=	98	%	EPA 200.7	-88	-88	70	130	
2017/18-1	ME-CC	matrix spike, RPD	1/18/2018	Cation	Calcium	Total	=	0.5	%	EPA 200.7	-88	-88	0	30	
2017/18-1	MO-MPK	matrix spike	1/18/2018	Cation	Calcium	Total	=	104	mg/L	EPA 200.7	0.016	0.1			
2017/18-1	MO-MPK	matrix spike, rec	1/18/2018	Cation	Calcium	Total	=	102	%	EPA 200.7	-88	-88	70	130	
2017/18-1	MO-MPK	matrix spike dup	1/18/2018	Cation	Calcium	Total	=	105	mg/L	EPA 200.7	0.016	0.1			
2017/18-1	MO-MPK	matrix spike dup, rec	1/18/2018	Cation	Calcium	Total	=	104	%	EPA 200.7	-88	-88	70	130	
2017/18-1	MO-MPK	matrix spike, RPD	1/18/2018	Cation	Calcium	Total	=	0.8	%	EPA 200.7	-88	-88	0	30	
2017/18-1	000NONPJ	matrix spike	1/16/2018	Cation	Magnesium	Total	=	51	mg/L	EPA 200.7	0.012	0.1			
2017/18-1	000NONPJ	matrix spike, rec	1/16/2018	Cation	Magnesium	Total	=	99	%	EPA 200.7	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike dup	1/16/2018	Cation	Magnesium	Total	=	50.8	mg/L	EPA 200.7	0.012	0.1			
2017/18-1	000NONPJ	matrix spike dup, rec	1/16/2018	Cation	Magnesium	Total	=	98	%	EPA 200.7	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike, RPD	1/16/2018	Cation	Magnesium	Total	=	0.4	%	EPA 200.7	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	000NONPJ	matrix spike	1/16/2018	Cation	Magnesium	Total	=	52.1	mg/L	EPA 200.7	0.012	0.1			
2017/18-1	000NONPJ	matrix spike, rec	1/16/2018	Cation	Magnesium	Total	=	100	%	EPA 200.7	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike dup	1/16/2018	Cation	Magnesium	Total	=	51.2	mg/L	EPA 200.7	0.012	0.1			
2017/18-1	000NONPJ	matrix spike dup, rec	1/16/2018	Cation	Magnesium	Total	=	98	%	EPA 200.7	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike, RPD	1/16/2018	Cation	Magnesium	Total	=	2	%	EPA 200.7	-88	-88	0	30	
2017/18-1	Lab	method blank	1/16/2018	Cation	Magnesium	Total	<	0.012	mg/L	EPA 200.7	0.012	0.1			
2017/18-1	Lab	LCS	1/16/2018	Cation	Magnesium	Total	=	50.8	mg/L	EPA 200.7	0.012	0.1			
2017/18-1	Lab	LCS, rec	1/16/2018	Cation	Magnesium	Total	=	101	%	EPA 200.7	-88	-88	85	115	
2017/18-1	Lab	method blank	1/18/2018	Cation	Magnesium	Total	<	0.012	mg/L	EPA 200.7	0.012	0.1			
2017/18-1	Lab	LCS	1/18/2018	Cation	Magnesium	Total	=	47.2	mg/L	EPA 200.7	0.012	0.1			
2017/18-1	Lab	LCS, rec	1/18/2018	Cation	Magnesium	Total	=	94	%	EPA 200.7	-88	-88	85	115	
2017/18-1	ME-CC	matrix spike	1/18/2018	Cation	Magnesium	Total	=	76	mg/L	EPA 200.7	0.012	0.1			
2017/18-1	ME-CC	matrix spike, rec	1/18/2018	Cation	Magnesium	Total	=	93	%	EPA 200.7	-88	-88	70	130	
2017/18-1	ME-CC	matrix spike dup	1/18/2018	Cation	Magnesium	Total	=	76.7	mg/L	EPA 200.7	0.012	0.1			
2017/18-1	ME-CC	matrix spike dup, rec	1/18/2018	Cation	Magnesium	Total	=	95	%	EPA 200.7	-88	-88	70	130	
2017/18-1	ME-CC	matrix spike, RPD	1/18/2018	Cation	Magnesium	Total	=	1	%	EPA 200.7	-88	-88	0	30	
2017/18-1	MO-MPK	matrix spike	1/18/2018	Cation	Magnesium	Total	=	63.4	mg/L	EPA 200.7	0.012	0.1			
2017/18-1	MO-MPK	matrix spike, rec	1/18/2018	Cation	Magnesium	Total	=	97	%	EPA 200.7	-88	-88	70	130	
2017/18-1	MO-MPK	matrix spike dup	1/18/2018	Cation	Magnesium	Total	=	63.3	mg/L	EPA 200.7	0.012	0.1			
2017/18-1	MO-MPK	matrix spike dup, rec	1/18/2018	Cation	Magnesium	Total	=	96	%	EPA 200.7	-88	-88	70	130	
2017/18-1	MO-MPK	matrix spike, RPD	1/18/2018	Cation	Magnesium	Total	=	0.3	%	EPA 200.7	-88	-88	0	30	
2017/18-1	000NONPJ	matrix spike	1/17/2018	Cation	Potassium	Total	=	54.4	mg/L	EPA 200.7	0.081	0.1			
2017/18-1	000NONPJ	matrix spike, rec	1/17/2018	Cation	Potassium	Total	=	103	%	EPA 200.7	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike dup	1/17/2018	Cation	Potassium	Total	=	54.6	mg/L	EPA 200.7	0.081	0.1			
2017/18-1	000NONPJ	matrix spike dup, rec	1/17/2018	Cation	Potassium	Total	=	103	%	EPA 200.7	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike, RPD	1/17/2018	Cation	Potassium	Total	=	0.3	%	EPA 200.7	-88	-88	0	30	
2017/18-1	000NONPJ	matrix spike	1/17/2018	Cation	Potassium	Total	=	55.9	mg/L	EPA 200.7	0.081	0.1			
2017/18-1	000NONPJ	matrix spike, rec	1/17/2018	Cation	Potassium	Total	=	103	%	EPA 200.7	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike dup	1/17/2018	Cation	Potassium	Total	=	55.2	mg/L	EPA 200.7	0.081	0.1			
2017/18-1	000NONPJ	matrix spike dup, rec	1/17/2018	Cation	Potassium	Total	=	102	%	EPA 200.7	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike, RPD	1/17/2018	Cation	Potassium	Total	=	1	%	EPA 200.7	-88	-88	0	30	
2017/18-1	Lab	method blank	1/17/2018	Cation	Potassium	Total	<	0.081	mg/L	EPA 200.7	0.081	0.1			
2017/18-1	Lab	LCS	1/17/2018	Cation	Potassium	Total	=	52.3	mg/L	EPA 200.7	0.081	0.1			
2017/18-1	Lab	LCS, rec	1/17/2018	Cation	Potassium	Total	=	104	%	EPA 200.7	-88	-88	85	115	
2017/18-1	Lab	method blank	1/18/2018	Cation	Potassium	Total	<	0.081	mg/L	EPA 200.7	0.081	0.1			
2017/18-1	Lab	LCS	1/18/2018	Cation	Potassium	Total	=	50.2	mg/L	EPA 200.7	0.081	0.1			
2017/18-1	Lab	LCS, rec	1/18/2018	Cation	Potassium	Total	=	100	%	EPA 200.7	-88	-88	85	115	
2017/18-1	ME-CC	matrix spike	1/18/2018	Cation	Potassium	Total	=	65.9	mg/L	EPA 200.7	0.081	0.1			
2017/18-1	ME-CC	matrix spike, rec	1/18/2018	Cation	Potassium	Total	=	103	%	EPA 200.7	-88	-88	70	130	
2017/18-1	ME-CC	matrix spike dup	1/18/2018	Cation	Potassium	Total	=	66.1	mg/L	EPA 200.7	0.081	0.1			
2017/18-1	ME-CC	matrix spike dup, rec	1/18/2018	Cation	Potassium	Total	=	104	%	EPA 200.7	-88	-88	70	130	
2017/18-1	ME-CC	matrix spike, RPD	1/18/2018	Cation	Potassium	Total	=	0.4	%	EPA 200.7	-88	-88	0	30	
2017/18-1	MO-MPK	matrix spike	1/18/2018	Cation	Potassium	Total	=	65.4	mg/L	EPA 200.7	0.081	0.1			
2017/18-1	MO-MPK	matrix spike, rec	1/18/2018	Cation	Potassium	Total	=	103	%	EPA 200.7	-88	-88	70	130	
2017/18-1	MO-MPK	matrix spike dup	1/18/2018	Cation	Potassium	Total	=	65.5	mg/L	EPA 200.7	0.081	0.1			
2017/18-1	MO-MPK	matrix spike dup, rec	1/18/2018	Cation	Potassium	Total	=	103	%	EPA 200.7	-88	-88	70	130	
2017/18-1	MO-MPK	matrix spike, RPD	1/18/2018	Cation	Potassium	Total	=	0.2	%	EPA 200.7	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	000NONPJ	matrix spike	1/16/2018	Cation	Sodium	Total	=	55.4	mg/L	EPA 200.7	0.015	0.5			
2017/18-1	000NONPJ	matrix spike, rec	1/16/2018	Cation	Sodium	Total	=	103	%	EPA 200.7	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike dup	1/16/2018	Cation	Sodium	Total	=	55.3	mg/L	EPA 200.7	0.015	0.5			
2017/18-1	000NONPJ	matrix spike dup, rec	1/16/2018	Cation	Sodium	Total	=	103	%	EPA 200.7	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike, RPD	1/16/2018	Cation	Sodium	Total	=	0.2	%	EPA 200.7	-88	-88	0	30	
2017/18-1	000NONPJ	matrix spike	1/16/2018	Cation	Sodium	Total	=	54.3	mg/L	EPA 200.7	0.015	0.5			
2017/18-1	000NONPJ	matrix spike, rec	1/16/2018	Cation	Sodium	Total	=	103	%	EPA 200.7	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike dup	1/16/2018	Cation	Sodium	Total	=	53.4	mg/L	EPA 200.7	0.015	0.5			
2017/18-1	000NONPJ	matrix spike dup, rec	1/16/2018	Cation	Sodium	Total	=	101	%	EPA 200.7	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike, RPD	1/16/2018	Cation	Sodium	Total	=	2	%	EPA 200.7	-88	-88	0	30	
2017/18-1	Lab	method blank	1/16/2018	Cation	Sodium	Total	<	0.015	mg/L	EPA 200.7	0.015	0.5			
2017/18-1	Lab	LCS	1/16/2018	Cation	Sodium	Total	=	53.3	mg/L	EPA 200.7	0.015	0.5			
2017/18-1	Lab	LCS, rec	1/16/2018	Cation	Sodium	Total	=	106	%	EPA 200.7	-88	-88	85	115	
2017/18-1	Lab	method blank	1/18/2018	Cation	Sodium	Total	<	0.015	mg/L	EPA 200.7	0.015	0.5			
2017/18-1	Lab	LCS	1/18/2018	Cation	Sodium	Total	=	48.9	mg/L	EPA 200.7	0.015	0.5			
2017/18-1	Lab	LCS, rec	1/18/2018	Cation	Sodium	Total	=	97	%	EPA 200.7	-88	-88	85	115	
2017/18-1	ME-CC	matrix spike	1/18/2018	Cation	Sodium	Total	=	104	mg/L	EPA 200.7	0.015	0.5			
2017/18-1	ME-CC	matrix spike, rec	1/18/2018	Cation	Sodium	Total	=	95	%	EPA 200.7	-88	-88	70	130	
2017/18-1	ME-CC	matrix spike dup	1/18/2018	Cation	Sodium	Total	=	105	mg/L	EPA 200.7	0.015	0.5			
2017/18-1	ME-CC	matrix spike dup, rec	1/18/2018	Cation	Sodium	Total	=	98	%	EPA 200.7	-88	-88	70	130	
2017/18-1	ME-CC	matrix spike, RPD	1/18/2018	Cation	Sodium	Total	=	1	%	EPA 200.7	-88	-88	0	30	
2017/18-1	MO-MPK	matrix spike	1/18/2018	Cation	Sodium	Total	=	68.5	mg/L	EPA 200.7	0.015	0.5			
2017/18-1	MO-MPK	matrix spike, rec	1/18/2018	Cation	Sodium	Total	=	99	%	EPA 200.7	-88	-88	70	130	
2017/18-1	MO-MPK	matrix spike dup	1/18/2018	Cation	Sodium	Total	=	69	mg/L	EPA 200.7	0.015	0.5			
2017/18-1	MO-MPK	matrix spike dup, rec	1/18/2018	Cation	Sodium	Total	=	100	%	EPA 200.7	-88	-88	70	130	
2017/18-1	MO-MPK	matrix spike, RPD	1/18/2018	Cation	Sodium	Total	=	0.7	%	EPA 200.7	-88	-88	0	30	
2017/18-1	000NONPJ	lab duplicate	1/15/2018	Conventional	Alkalinity as CaCO3	n/a	=	186	mg/L	SM 2320 B	0.56	2		15	
2017/18-1	Lab	LCS	1/15/2018	Conventional	Alkalinity as CaCO3	n/a	=	244	mg/L	SM 2320 B	0.56	2			
2017/18-1	Lab	LCS, rec	1/15/2018	Conventional	Alkalinity as CaCO3	n/a	=	98	%	SM 2320 B	-88	-88	94	108	
2017/18-1	Lab	method blank	1/15/2018	Conventional	Alkalinity as CaCO3	n/a	<	0.56	mg/L	SM 2320 B	0.56	2			
2017/18-1	000NONPJ	lab duplicate	1/15/2018	Conventional	BOD	n/a	=	2.58	mg/L	SM 5210 B	2	2		20	
2017/18-1	000NONPJ	lab duplicate	1/16/2018	Conventional	BOD	n/a	=	14.3	mg/L	SM 5210 B	2	2		20	
2017/18-1	000NONPJ	lab duplicate	1/16/2018	Conventional	BOD	n/a	=	2.95	mg/L	SM 5210 B	2	2		20	
2017/18-1	Lab	LCS	1/15/2018	Conventional	BOD	n/a	=	192	mg/L	SM 5210 B	2	2			
2017/18-1	Lab	LCS, rec	1/15/2018	Conventional	BOD	n/a	=	97	%	SM 5210 B	-88	-88	85	115	
2017/18-1	Lab	LCS	1/16/2018	Conventional	BOD	n/a	=	190	mg/L	SM 5210 B	2	2			
2017/18-1	Lab	LCS, rec	1/16/2018	Conventional	BOD	n/a	=	96	%	SM 5210 B	-88	-88	85	115	
2017/18-1	Lab	LCS	1/16/2018	Conventional	BOD	n/a	=	188	mg/L	SM 5210 B	2	2			
2017/18-1	Lab	LCS, rec	1/16/2018	Conventional	BOD	n/a	=	95	%	SM 5210 B	-88	-88	85	115	
2017/18-1	000NONPJ	lab duplicate	1/17/2018	Conventional	COD	n/a	=	211	mg/L	EPA 410.4	0.73	5		15	
2017/18-1	000NONPJ	matrix spike	1/17/2018	Conventional	COD	n/a	=	244	mg/L	EPA 410.4	2.9	20			
2017/18-1	000NONPJ	matrix spike	1/17/2018	Conventional	COD	n/a	=	251	mg/L	EPA 410.4	2.9	20			
2017/18-1	000NONPJ	matrix spike dup	1/17/2018	Conventional	COD	n/a	=	264	mg/L	EPA 410.4	2.9	20			
2017/18-1	000NONPJ	matrix spike dup	1/17/2018	Conventional	COD	n/a	=	256	mg/L	EPA 410.4	2.9	20			
2017/18-1	000NONPJ	matrix spike dup, rec	1/17/2018	Conventional	COD	n/a	=	103	%	EPA 410.4	-88	-88	90	110	
2017/18-1	000NONPJ	matrix spike dup, rec	1/17/2018	Conventional	COD	n/a	=	100	%	EPA 410.4	-88	-88	90	110	
2017/18-1	000NONPJ	matrix spike, rec	1/17/2018	Conventional	COD	n/a	=	93	%	EPA 410.4	-88	-88	90	110	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	000NONPJ	matrix spike, rec	1/17/2018	Conventional	COD	n/a	=	97	%	EPA 410.4	-88	-88	90	110	
2017/18-1	000NONPJ	matrix spike, RPD	1/17/2018	Conventional	COD	n/a	=	2	%	EPA 410.4	-88	-88	0	15	
2017/18-1	000NONPJ	matrix spike, RPD	1/17/2018	Conventional	COD	n/a	=	8	%	EPA 410.4	-88	-88	0	15	
2017/18-1	000NONPJ	lab duplicate	1/17/2018	Conventional	COD	n/a	=	10400	mg/L	EPA 410.4	15	100		15	
2017/18-1	000NONPJ	matrix spike	1/17/2018	Conventional	COD	n/a	=	203	mg/L	EPA 410.4	2.9	20			
2017/18-1	000NONPJ	matrix spike dup	1/17/2018	Conventional	COD	n/a	=	215	mg/L	EPA 410.4	2.9	20			
2017/18-1	000NONPJ	matrix spike dup, rec	1/17/2018	Conventional	COD	n/a	=	98	%	EPA 410.4	-88	-88	90	110	
2017/18-1	000NONPJ	matrix spike, rec	1/17/2018	Conventional	COD	n/a	=	92	%	EPA 410.4	-88	-88	90	110	
2017/18-1	000NONPJ	matrix spike, RPD	1/17/2018	Conventional	COD	n/a	=	6	%	EPA 410.4	-88	-88	0	15	
2017/18-1	000NONPJ	lab duplicate	1/18/2018	Conventional	COD	n/a	=	1500	mg/L	EPA 410.4	3.6	25		15	
2017/18-1	000NONPJ	matrix spike	1/18/2018	Conventional	COD	n/a	=	231	mg/L	EPA 410.4	2.9	20			
2017/18-1	000NONPJ	matrix spike dup	1/18/2018	Conventional	COD	n/a	=	230	mg/L	EPA 410.4	2.9	20			
2017/18-1	000NONPJ	matrix spike dup, rec	1/18/2018	Conventional	COD	n/a	=	97	%	EPA 410.4	-88	-88	90	110	
2017/18-1	000NONPJ	matrix spike, rec	1/18/2018	Conventional	COD	n/a	=	98	%	EPA 410.4	-88	-88	90	110	
2017/18-1	000NONPJ	matrix spike, RPD	1/18/2018	Conventional	COD	n/a	=	0.4	%	EPA 410.4	-88	-88	0	15	
2017/18-1	000NONPJ	lab duplicate	1/19/2018	Conventional	COD	n/a	=	7690	mg/L	EPA 410.4	15	100		15	
2017/18-1	000NONPJ	matrix spike	1/19/2018	Conventional	COD	n/a	=	188	mg/L	EPA 410.4	2.9	20			
2017/18-1	000NONPJ	matrix spike	1/19/2018	Conventional	COD	n/a	=	229	mg/L	EPA 410.4	2.9	20			
2017/18-1	000NONPJ	matrix spike dup	1/19/2018	Conventional	COD	n/a	=	189	mg/L	EPA 410.4	2.9	20			
2017/18-1	000NONPJ	matrix spike dup	1/19/2018	Conventional	COD	n/a	=	238	mg/L	EPA 410.4	2.9	20			
2017/18-1	000NONPJ	matrix spike dup, rec	1/19/2018	Conventional	COD	n/a	=	98	%	EPA 410.4	-88	-88	90	110	
2017/18-1	000NONPJ	matrix spike dup, rec	1/19/2018	Conventional	COD	n/a	=	91	%	EPA 410.4	-88	-88	90	110	
2017/18-1	000NONPJ	matrix spike, rec	1/19/2018	Conventional	COD	n/a	=	93	%	EPA 410.4	-88	-88	90	110	
2017/18-1	000NONPJ	matrix spike, rec	1/19/2018	Conventional	COD	n/a	=	90	%	EPA 410.4	-88	-88	90	110	
2017/18-1	000NONPJ	matrix spike, RPD	1/19/2018	Conventional	COD	n/a	=	0.4	%	EPA 410.4	-88	-88	0	15	
2017/18-1	000NONPJ	matrix spike, RPD	1/19/2018	Conventional	COD	n/a	=	4	%	EPA 410.4	-88	-88	0	15	
2017/18-1	Lab	LCS	1/17/2018	Conventional	COD	n/a	=	95.8	mg/L	EPA 410.4	0.73	5			
2017/18-1	Lab	LCS, rec	1/17/2018	Conventional	COD	n/a	=	96	%	EPA 410.4	-88	-88	90	110	
2017/18-1	Lab	method blank	1/17/2018	Conventional	COD	n/a	<	0.73	mg/L	EPA 410.4	0.73	5			
2017/18-1	Lab	LCS	1/17/2018	Conventional	COD	n/a	=	109	mg/L	EPA 410.4	0.73	5			
2017/18-1	Lab	LCS, rec	1/17/2018	Conventional	COD	n/a	=	109	%	EPA 410.4	-88	-88	90	110	
2017/18-1	Lab	method blank	1/17/2018	Conventional	COD	n/a	DNQ	0.89	mg/L	EPA 410.4	0.73	5			IP
2017/18-1	Lab	LCS	1/18/2018	Conventional	COD	n/a	=	90.2	mg/L	EPA 410.4	0.73	5			
2017/18-1	Lab	LCS, rec	1/18/2018	Conventional	COD	n/a	=	90	%	EPA 410.4	-88	-88	90	110	
2017/18-1	Lab	method blank	1/18/2018	Conventional	COD	n/a	<	0.73	mg/L	EPA 410.4	0.73	5			
2017/18-1	Lab	LCS	1/19/2018	Conventional	COD	n/a	=	92.2	mg/L	EPA 410.4	0.73	5			
2017/18-1	Lab	LCS, rec	1/19/2018	Conventional	COD	n/a	=	92	%	EPA 410.4	-88	-88	90	110	
2017/18-1	Lab	method blank	1/19/2018	Conventional	COD	n/a	<	0.73	mg/L	EPA 410.4	0.73	5			
2017/18-1	ME-SCR	matrix spike	1/18/2018	Conventional	COD	n/a	=	207	mg/L	EPA 410.4	2.9	20			
2017/18-1	ME-SCR	matrix spike dup	1/18/2018	Conventional	COD	n/a	=	205	mg/L	EPA 410.4	2.9	20			
2017/18-1	ME-SCR	matrix spike dup, rec	1/18/2018	Conventional	COD	n/a	=	93	%	EPA 410.4	-88	-88	90	110	
2017/18-1	ME-SCR	matrix spike, rec	1/18/2018	Conventional	COD	n/a	=	94	%	EPA 410.4	-88	-88	90	110	
2017/18-1	ME-SCR	matrix spike, RPD	1/18/2018	Conventional	COD	n/a	=	0.8	%	EPA 410.4	-88	-88	0	15	
2017/18-1	000NONPJ	matrix spike	1/16/2018	Conventional	Cyanide	Total	=	0.0354	mg/L	ASTM D7511	0.0005	0.002			
2017/18-1	000NONPJ	matrix spike	1/16/2018	Conventional	Cyanide	Total	=	0.047	mg/L	ASTM D7511	0.0005	0.002			
2017/18-1	000NONPJ	matrix spike dup	1/16/2018	Conventional	Cyanide	Total	=	0.0352	mg/L	ASTM D7511	0.0005	0.002			
2017/18-1	000NONPJ	matrix spike dup	1/16/2018	Conventional	Cyanide	Total	=	0.0476	mg/L	ASTM D7511	0.0005	0.002			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	000NONPJ	matrix spike dup, rec	1/16/2018	Conventional	Cyanide	Total	=	89	%	ASTM D7511	-88	-88	64	136	
2017/18-1	000NONPJ	matrix spike dup, rec	1/16/2018	Conventional	Cyanide	Total	=	70	%	ASTM D7511	-88	-88	64	136	
2017/18-1	000NONPJ	matrix spike, rec	1/16/2018	Conventional	Cyanide	Total	=	88	%	ASTM D7511	-88	-88	64	136	
2017/18-1	000NONPJ	matrix spike, rec	1/16/2018	Conventional	Cyanide	Total	=	71	%	ASTM D7511	-88	-88	64	136	
2017/18-1	000NONPJ	matrix spike, RPD	1/16/2018	Conventional	Cyanide	Total	=	1	%	ASTM D7511	-88	-88	0	47	
2017/18-1	000NONPJ	matrix spike, RPD	1/16/2018	Conventional	Cyanide	Total	=	0.4	%	ASTM D7511	-88	-88	0	47	
2017/18-1	Lab	LCS	1/16/2018	Conventional	Cyanide	Total	=	0.0424	mg/L	ASTM D7511	0.0005	0.002			
2017/18-1	Lab	LCS, rec	1/16/2018	Conventional	Cyanide	Total	=	85	%	ASTM D7511	-88	-88	84	116	
2017/18-1	Lab	method blank	1/16/2018	Conventional	Cyanide	Total	<	0.0005	mg/L	ASTM D7511	0.0005	0.002			
2017/18-1	Lab	LCS	1/22/2018	Conventional	Dissolved Inorganic Carbon	Dissolved	=	5.34	mg/L	SM 5310 B	0.016	0.5			
2017/18-1	Lab	LCS dup	1/22/2018	Conventional	Dissolved Inorganic Carbon	Dissolved	=	5.4	mg/L	SM 5310 B	0.016	0.5			
2017/18-1	Lab	LCS dup, rec	1/22/2018	Conventional	Dissolved Inorganic Carbon	Dissolved	=	108	%	SM 5310 B	-88	-88	85	115	
2017/18-1	Lab	LCS, rec	1/22/2018	Conventional	Dissolved Inorganic Carbon	Dissolved	=	107	%	SM 5310 B	-88	-88	85	115	
2017/18-1	Lab	LCS, RPD	1/22/2018	Conventional	Dissolved Inorganic Carbon	Dissolved	=	1	%	SM 5310 B	-88	-88	0	20	
2017/18-1	Lab	method blank	1/22/2018	Conventional	Dissolved Inorganic Carbon	Dissolved	DNQ	0.139	mg/L	SM 5310 B	0.016	0.5			IP
2017/18-1	Lab	LCS	1/15/2018	Conventional	Dissolved Organic Carbon	Dissolved	=	1.06	mg/L	SM 5310 B	0.013	0.1			
2017/18-1	Lab	LCS dup	1/15/2018	Conventional	Dissolved Organic Carbon	Dissolved	=	1.06	mg/L	SM 5310 B	0.013	0.1			
2017/18-1	Lab	LCS dup, rec	1/15/2018	Conventional	Dissolved Organic Carbon	Dissolved	=	106	%	SM 5310 B	-88	-88	85	115	
2017/18-1	Lab	LCS, rec	1/15/2018	Conventional	Dissolved Organic Carbon	Dissolved	=	106	%	SM 5310 B	-88	-88	85	115	
2017/18-1	Lab	LCS, RPD	1/15/2018	Conventional	Dissolved Organic Carbon	Dissolved	=	0.6	%	SM 5310 B	-88	-88	0	20	
2017/18-1	Lab	method blank	1/15/2018	Conventional	Dissolved Organic Carbon	Dissolved	<	0.013	mg/L	SM 5310 B	0.013	0.1			
2017/18-1	000NONPJ	matrix spike	1/10/2018	Conventional	MBAS	n/a	=	0.201	mg/L	SM 5540 C	0.019	0.05			
2017/18-1	000NONPJ	matrix spike dup	1/10/2018	Conventional	MBAS	n/a	=	0.214	mg/L	SM 5540 C	0.019	0.05			
2017/18-1	000NONPJ	matrix spike dup, rec	1/10/2018	Conventional	MBAS	n/a	=	107	%	SM 5540 C	-88	-88	74	123	
2017/18-1	000NONPJ	matrix spike, rec	1/10/2018	Conventional	MBAS	n/a	=	101	%	SM 5540 C	-88	-88	74	123	
2017/18-1	000NONPJ	matrix spike, RPD	1/10/2018	Conventional	MBAS	n/a	=	6	%	SM 5540 C	-88	-88	0	20	
2017/18-1	000NONPJ	matrix spike	1/11/2018	Conventional	MBAS	n/a	=	0.206	mg/L	SM 5540 C	0.019	0.05			
2017/18-1	000NONPJ	matrix spike dup	1/11/2018	Conventional	MBAS	n/a	=	0.211	mg/L	SM 5540 C	0.019	0.05			
2017/18-1	000NONPJ	matrix spike dup, rec	1/11/2018	Conventional	MBAS	n/a	=	105	%	SM 5540 C	-88	-88	74	123	
2017/18-1	000NONPJ	matrix spike, rec	1/11/2018	Conventional	MBAS	n/a	=	103	%	SM 5540 C	-88	-88	74	123	
2017/18-1	000NONPJ	matrix spike, RPD	1/11/2018	Conventional	MBAS	n/a	=	2	%	SM 5540 C	-88	-88	0	20	
2017/18-1	Lab	LCS	1/10/2018	Conventional	MBAS	n/a	=	0.207	mg/L	SM 5540 C	0.019	0.05			
2017/18-1	Lab	LCS dup	1/10/2018	Conventional	MBAS	n/a	=	0.208	mg/L	SM 5540 C	0.019	0.05			
2017/18-1	Lab	LCS dup, rec	1/10/2018	Conventional	MBAS	n/a	=	104	%	SM 5540 C	-88	-88	82	115	
2017/18-1	Lab	LCS, rec	1/10/2018	Conventional	MBAS	n/a	=	104	%	SM 5540 C	-88	-88	82	115	
2017/18-1	Lab	LCS, RPD	1/10/2018	Conventional	MBAS	n/a	=	0.1	%	SM 5540 C	-88	-88	0	20	
2017/18-1	Lab	method blank	1/10/2018	Conventional	MBAS	n/a	<	0.019	mg/L	SM 5540 C	0.019	0.05			
2017/18-1	Lab	LCS	1/11/2018	Conventional	MBAS	n/a	=	0.193	mg/L	SM 5540 C	0.019	0.05			
2017/18-1	Lab	LCS, rec	1/11/2018	Conventional	MBAS	n/a	=	96	%	SM 5540 C	-88	-88	82	115	
2017/18-1	Lab	method blank	1/11/2018	Conventional	MBAS	n/a	<	0.019	mg/L	SM 5540 C	0.019	0.05			
2017/18-1	000NONPJ	matrix spike	1/19/2018	Conventional	Phenolics	n/a	=	0.278	mg/L	EPA 420.4	0.0042	0.01			
2017/18-1	000NONPJ	matrix spike dup	1/19/2018	Conventional	Phenolics	n/a	=	0.277	mg/L	EPA 420.4	0.0042	0.01			
2017/18-1	000NONPJ	matrix spike dup, rec	1/19/2018	Conventional	Phenolics	n/a	=	106	%	EPA 420.4	-88	-88	90	110	
2017/18-1	000NONPJ	matrix spike, rec	1/19/2018	Conventional	Phenolics	n/a	=	106	%	EPA 420.4	-88	-88	90	110	
2017/18-1	000NONPJ	matrix spike, RPD	1/19/2018	Conventional	Phenolics	n/a	=	0.4	%	EPA 420.4	-88	-88	0	20	
2017/18-1	000NONPJ	matrix spike	1/19/2018	Conventional	Phenolics	n/a	=	0.262	mg/L	EPA 420.4	0.0042	0.01			
2017/18-1	000NONPJ	matrix spike dup	1/19/2018	Conventional	Phenolics	n/a	=	0.263	mg/L	EPA 420.4	0.0042	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	000NONPJ	matrix spike dup, rec	1/19/2018	Conventional	Phenolics	n/a	=	103	%	EPA 420.4	-88	-88	90	110	
2017/18-1	000NONPJ	matrix spike, rec	1/19/2018	Conventional	Phenolics	n/a	=	103	%	EPA 420.4	-88	-88	90	110	
2017/18-1	000NONPJ	matrix spike, RPD	1/19/2018	Conventional	Phenolics	n/a	=	0.1	%	EPA 420.4	-88	-88	0	20	
2017/18-1	Lab	LCS	1/19/2018	Conventional	Phenolics	n/a	=	0.103	mg/L	EPA 420.4	0.0042	0.01			
2017/18-1	Lab	LCS, rec	1/19/2018	Conventional	Phenolics	n/a	=	103	%	EPA 420.4	-88	-88	90	110	
2017/18-1	Lab	method blank	1/19/2018	Conventional	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01			
2017/18-1	Lab	LCS	1/19/2018	Conventional	Phenolics	n/a	=	0.105	mg/L	EPA 420.4	0.0042	0.01			
2017/18-1	Lab	LCS, rec	1/19/2018	Conventional	Phenolics	n/a	=	105	%	EPA 420.4	-88	-88	90	110	
2017/18-1	Lab	method blank	1/19/2018	Conventional	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01			
2017/18-1	000NONPJ	lab duplicate	1/15/2018	Conventional	Specific Conductance	n/a	=	59.4	µmhos/cm	SM 2510 B	0.23	2		4.28	
2017/18-1	000NONPJ	lab duplicate	1/16/2018	Conventional	Specific Conductance	n/a	=	95	µmhos/cm	SM 2510 B	0.23	2		4.28	
2017/18-1	Lab	LCS	1/15/2018	Conventional	Specific Conductance	n/a	=	206	µmhos/cm	SM 2510 B	0.23	2			
2017/18-1	Lab	LCS, rec	1/15/2018	Conventional	Specific Conductance	n/a	=	103	%	SM 2510 B	-88	-88	95	105	
2017/18-1	Lab	method blank	1/15/2018	Conventional	Specific Conductance	n/a	<	0.23	µmhos/cm	SM 2510 B	0.23	2			
2017/18-1	Lab	LCS	1/16/2018	Conventional	Specific Conductance	n/a	=	198	µmhos/cm	SM 2510 B	0.23	2			
2017/18-1	Lab	LCS, rec	1/16/2018	Conventional	Specific Conductance	n/a	=	99	%	SM 2510 B	-88	-88	95	105	
2017/18-1	Lab	method blank	1/16/2018	Conventional	Specific Conductance	n/a	<	0.23	µmhos/cm	SM 2510 B	0.23	2			
2017/18-1	Lab	LCS	1/18/2018	Conventional	Specific Conductance	n/a	=	25600	µmhos/cm	SM 2510 B	0.23	2			
2017/18-1	Lab	LCS, rec	1/18/2018	Conventional	Specific Conductance	n/a	=	102	%	SM 2510 B	-88	-88	95	105	
2017/18-1	Lab	method blank	1/18/2018	Conventional	Specific Conductance	n/a	<	0.23	µmhos/cm	SM 2510 B	0.23	2			
2017/18-1	MO-HUE	lab duplicate	1/18/2018	Conventional	Specific Conductance	n/a	=	7240	µmhos/cm	SM 2510 B	0.23	2		4.28	
2017/18-1	000NONPJ	matrix spike	1/10/2018	Conventional	Total Chlorine Residual	n/a	=	0.388	mg/L	SM 4500-Cl G	0.0015	0.05			
2017/18-1	000NONPJ	matrix spike dup	1/10/2018	Conventional	Total Chlorine Residual	n/a	=	0.378	mg/L	SM 4500-Cl G	0.0015	0.05			
2017/18-1	000NONPJ	matrix spike dup, rec	1/10/2018	Conventional	Total Chlorine Residual	n/a	=	94	%	SM 4500-Cl G	-88	-88	78	114	
2017/18-1	000NONPJ	matrix spike, rec	1/10/2018	Conventional	Total Chlorine Residual	n/a	=	99	%	SM 4500-Cl G	-88	-88	78	114	
2017/18-1	000NONPJ	matrix spike, RPD	1/10/2018	Conventional	Total Chlorine Residual	n/a	=	3	%	SM 4500-Cl G	-88	-88	0	15	
2017/18-1	Lab	LCS	1/10/2018	Conventional	Total Chlorine Residual	n/a	=	0.193	mg/L	SM 4500-Cl G	0.0015	0.05			
2017/18-1	Lab	LCS, rec	1/10/2018	Conventional	Total Chlorine Residual	n/a	=	97	%	SM 4500-Cl G	-88	-88	85	110	
2017/18-1	Lab	method blank	1/10/2018	Conventional	Total Chlorine Residual	n/a	<	0.0015	mg/L	SM 4500-Cl G	0.0015	0.05			
2017/18-1	000NONPJ	lab duplicate	1/16/2018	Conventional	Total Dissolved Solids	n/a	=	6960	mg/L	SM 2540 C	4	10		10	
2017/18-1	000NONPJ	lab duplicate	1/16/2018	Conventional	Total Dissolved Solids	n/a	=	1300	mg/L	SM 2540 C	4	10		10	
2017/18-1	Lab	LCS	1/15/2018	Conventional	Total Dissolved Solids	n/a	=	827	mg/L	SM 2540 C	4	10			
2017/18-1	Lab	LCS, rec	1/15/2018	Conventional	Total Dissolved Solids	n/a	=	100	%	SM 2540 C	-88	-88	96	102	
2017/18-1	Lab	method blank	1/15/2018	Conventional	Total Dissolved Solids	n/a	<	4	mg/L	SM 2540 C	4	10			
2017/18-1	Lab	LCS	1/16/2018	Conventional	Total Dissolved Solids	n/a	=	834	mg/L	SM 2540 C	4	10			
2017/18-1	Lab	LCS, rec	1/16/2018	Conventional	Total Dissolved Solids	n/a	=	101	%	SM 2540 C	-88	-88	96	102	
2017/18-1	Lab	method blank	1/16/2018	Conventional	Total Dissolved Solids	n/a	<	4	mg/L	SM 2540 C	4	10			
2017/18-1	ME-SCR	lab duplicate	1/15/2018	Conventional	Total Dissolved Solids	n/a	=	2770	mg/L	SM 2540 C	4	10		10	
2017/18-1	MO-HUE	lab duplicate	1/15/2018	Conventional	Total Dissolved Solids	n/a	=	3900	mg/L	SM 2540 C	4	10		10	
2017/18-1	000NONPJ	matrix spike	1/12/2018	Conventional	Total Organic Carbon	n/a	=	4.92	mg/L	SM 5310 B	0.009	0.1			
2017/18-1	000NONPJ	matrix spike dup	1/12/2018	Conventional	Total Organic Carbon	n/a	=	4.94	mg/L	SM 5310 B	0.009	0.1			
2017/18-1	000NONPJ	matrix spike dup, rec	1/12/2018	Conventional	Total Organic Carbon	n/a	=	98	%	SM 5310 B	-88	-88	76	115	
2017/18-1	000NONPJ	matrix spike, rec	1/12/2018	Conventional	Total Organic Carbon	n/a	=	98	%	SM 5310 B	-88	-88	76	115	
2017/18-1	000NONPJ	matrix spike, RPD	1/12/2018	Conventional	Total Organic Carbon	n/a	=	0.2	%	SM 5310 B	-88	-88	0	20	
2017/18-1	Lab	LCS	1/11/2018	Conventional	Total Organic Carbon	n/a	=	0.942	mg/L	SM 5310 B	0.009	0.1			
2017/18-1	Lab	LCS dup	1/11/2018	Conventional	Total Organic Carbon	n/a	=	0.968	mg/L	SM 5310 B	0.009	0.1			
2017/18-1	Lab	LCS dup, rec	1/11/2018	Conventional	Total Organic Carbon	n/a	=	97	%	SM 5310 B	-88	-88	85	115	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	Lab	LCS, rec	1/11/2018	Conventional	Total Organic Carbon	n/a	=	94	%	SM 5310 B	-88	-88	85	115	
2017/18-1	Lab	LCS, RPD	1/11/2018	Conventional	Total Organic Carbon	n/a	=	3	%	SM 5310 B	-88	-88	0	20	
2017/18-1	Lab	method blank	1/11/2018	Conventional	Total Organic Carbon	n/a	<	0.009	mg/L	SM 5310 B	0.009	0.1			
2017/18-1	Lab	LCS	1/12/2018	Conventional	Total Organic Carbon	n/a	=	1.13	mg/L	SM 5310 B	0.009	0.1			
2017/18-1	Lab	LCS, rec	1/12/2018	Conventional	Total Organic Carbon	n/a	=	113	%	SM 5310 B	-88	-88	85	115	
2017/18-1	Lab	method blank	1/12/2018	Conventional	Total Organic Carbon	n/a	<	0.009	mg/L	SM 5310 B	0.009	0.1			
2017/18-1	000NONPJ	lab duplicate	1/12/2018	Conventional	Total Suspended Solids	n/a	=	114	mg/L	SM 2540 D	-88	5		20	
2017/18-1	000NONPJ	lab duplicate	1/12/2018	Conventional	Total Suspended Solids	n/a	=	39	mg/L	SM 2540 D	-88	5		20	
2017/18-1	000NONPJ	lab duplicate	1/15/2018	Conventional	Total Suspended Solids	n/a	=	502	mg/L	SM 2540 D	-88	5		20	
2017/18-1	Lab	LCS	1/12/2018	Conventional	Total Suspended Solids	n/a	=	69	mg/L	SM 2540 D	-88	5			
2017/18-1	Lab	LCS, rec	1/12/2018	Conventional	Total Suspended Solids	n/a	=	109	%	SM 2540 D	-88	-88	90	110	
2017/18-1	Lab	method blank	1/12/2018	Conventional	Total Suspended Solids	n/a	<	5	mg/L	SM 2540 D	-88	5			
2017/18-1	Lab	LCS	1/15/2018	Conventional	Total Suspended Solids	n/a	=	55	mg/L	SM 2540 D	-88	5			
2017/18-1	Lab	LCS, rec	1/15/2018	Conventional	Total Suspended Solids	n/a	=	108	%	SM 2540 D	-88	-88	90	110	
2017/18-1	Lab	method blank	1/15/2018	Conventional	Total Suspended Solids	n/a	<	5	mg/L	SM 2540 D	-88	5			
2017/18-1	MO-OXN	lab duplicate	1/15/2018	Conventional	Total Suspended Solids	n/a	=	234	mg/L	SM 2540 D	-88	5		20	
2017/18-1	000NONPJ	lab duplicate	1/10/2018	Conventional	Turbidity	n/a	DNQ	0.03	NTU	EPA 180.1	0.024	0.1		10	
2017/18-1	000NONPJ	lab duplicate	1/11/2018	Conventional	Turbidity	n/a	=	0.22	NTU	EPA 180.1	0.024	0.1		10	
2017/18-1	Lab	LCS	1/10/2018	Conventional	Turbidity	n/a	=	6.97	NTU	EPA 180.1	0.024	0.1			
2017/18-1	Lab	LCS, rec	1/10/2018	Conventional	Turbidity	n/a	=	100	%	EPA 180.1	-88	-88	90	110	
2017/18-1	Lab	method blank	1/10/2018	Conventional	Turbidity	n/a	<	0.024	NTU	EPA 180.1	0.024	0.1			
2017/18-1	Lab	LCS	1/11/2018	Conventional	Turbidity	n/a	=	6.94	NTU	EPA 180.1	0.024	0.1			
2017/18-1	Lab	LCS, rec	1/11/2018	Conventional	Turbidity	n/a	=	99	%	EPA 180.1	-88	-88	90	110	
2017/18-1	Lab	method blank	1/11/2018	Conventional	Turbidity	n/a	<	0.024	NTU	EPA 180.1	0.024	0.1			
2017/18-1	000NONPJ	lab duplicate	1/12/2018	Conventional	Volatile Suspended Solids	n/a	=	18	mg/L	EPA 160.4	3.1	5		15	
2017/18-1	000NONPJ	lab duplicate	1/12/2018	Conventional	Volatile Suspended Solids	n/a	=	37	mg/L	EPA 160.4	3.1	5		15	
2017/18-1	000NONPJ	lab duplicate	1/15/2018	Conventional	Volatile Suspended Solids	n/a	=	100	mg/L	EPA 160.4	3.1	5		15	
2017/18-1	Lab	LCS	1/12/2018	Conventional	Volatile Suspended Solids	n/a	=	49	mg/L	EPA 160.4	3.1	5			
2017/18-1	Lab	LCS, rec	1/12/2018	Conventional	Volatile Suspended Solids	n/a	=	109	%	EPA 160.4	-88	-88	90	110	
2017/18-1	Lab	method blank	1/12/2018	Conventional	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5			
2017/18-1	Lab	LCS	1/15/2018	Conventional	Volatile Suspended Solids	n/a	=	40	mg/L	EPA 160.4	3.1	5			
2017/18-1	Lab	LCS, rec	1/15/2018	Conventional	Volatile Suspended Solids	n/a	=	110	%	EPA 160.4	-88	-88	90	110	
2017/18-1	Lab	method blank	1/15/2018	Conventional	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5			
2017/18-1	MO-OXN	lab duplicate	1/15/2018	Conventional	Volatile Suspended Solids	n/a	=	65	mg/L	EPA 160.4	3.1	5		15	
2017/18-1	Lab	method blank	1/23/2018	Hydrocarbon	Diesel Range Organics	n/a	<	0.024	mg/L	EPA 8015D	0.024	0.1			
2017/18-1	Lab	LCS	1/23/2018	Hydrocarbon	Diesel Range Organics	n/a	=	0.561	mg/L	EPA 8015D	0.024	0.1			
2017/18-1	Lab	LCS, rec	1/23/2018	Hydrocarbon	Diesel Range Organics	n/a	=	112	%	EPA 8015D	-88	-88	56	136	
2017/18-1	Lab	LCS dup	1/23/2018	Hydrocarbon	Diesel Range Organics	n/a	=	0.586	mg/L	EPA 8015D	0.024	0.1			
2017/18-1	Lab	LCS dup, rec	1/23/2018	Hydrocarbon	Diesel Range Organics	n/a	=	117	%	EPA 8015D	-88	-88	56	136	
2017/18-1	Lab	LCS, RPD	1/23/2018	Hydrocarbon	Diesel Range Organics	n/a	=	4	%	EPA 8015D	-88	-88	0	25	
2017/18-1	Lab	method blank	1/25/2018	Hydrocarbon	Diesel Range Organics	n/a	<	0.024	mg/L	EPA 8015D	0.024	0.1			
2017/18-1	Lab	LCS	1/25/2018	Hydrocarbon	Diesel Range Organics	n/a	=	0.488	mg/L	EPA 8015D	0.024	0.1			
2017/18-1	Lab	LCS, rec	1/25/2018	Hydrocarbon	Diesel Range Organics	n/a	=	98	%	EPA 8015D	-88	-88	56	136	
2017/18-1	Lab	method blank	1/25/2018	Hydrocarbon	Diesel Range Organics	n/a	<	0.024	mg/L	EPA 8015D	0.024	0.1			
2017/18-1	Lab	LCS	1/25/2018	Hydrocarbon	Diesel Range Organics	n/a	=	0.551	mg/L	EPA 8015D	0.024	0.1			
2017/18-1	Lab	LCS, rec	1/25/2018	Hydrocarbon	Diesel Range Organics	n/a	=	110	%	EPA 8015D	-88	-88	56	136	
2017/18-1	Lab	LCS dup	1/25/2018	Hydrocarbon	Diesel Range Organics	n/a	=	0.532	mg/L	EPA 8015D	0.024	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	Lab	LCS dup, rec	1/25/2018	Hydrocarbon	Diesel Range Organics	n/a	=	106	%	EPA 8015D	-88	-88	56	136	
2017/18-1	Lab	LCS, RPD	1/25/2018	Hydrocarbon	Diesel Range Organics	n/a	=	4	%	EPA 8015D	-88	-88	0	25	
2017/18-1	Lab	method blank	1/26/2018	Hydrocarbon	Diesel Range Organics	n/a	<	0.024	mg/L	EPA 8015D	0.024	0.1			
2017/18-1	Lab	LCS	1/26/2018	Hydrocarbon	Diesel Range Organics	n/a	=	0.467	mg/L	EPA 8015D	0.024	0.1			
2017/18-1	Lab	LCS, rec	1/26/2018	Hydrocarbon	Diesel Range Organics	n/a	=	93	%	EPA 8015D	-88	-88	56	136	
2017/18-1	000NONPJ	matrix spike	1/18/2018	Hydrocarbon	Gasoline Range Organics	n/a	=	1.01	mg/L	EPA 8015D	0.044	0.1			
2017/18-1	000NONPJ	matrix spike, rec	1/18/2018	Hydrocarbon	Gasoline Range Organics	n/a	=	101	%	EPA 8015D	-88	-88	63	136	
2017/18-1	000NONPJ	matrix spike dup	1/18/2018	Hydrocarbon	Gasoline Range Organics	n/a	=	0.94	mg/L	EPA 8015D	0.044	0.1			
2017/18-1	000NONPJ	matrix spike dup, rec	1/18/2018	Hydrocarbon	Gasoline Range Organics	n/a	=	94	%	EPA 8015D	-88	-88	63	136	
2017/18-1	000NONPJ	matrix spike, RPD	1/18/2018	Hydrocarbon	Gasoline Range Organics	n/a	=	7	%	EPA 8015D	-88	-88	0	25	
2017/18-1	Lab	LCS	1/17/2018	Hydrocarbon	Gasoline Range Organics	n/a	=	1.05	mg/L	EPA 8015D	0.044	0.1			
2017/18-1	Lab	LCS, rec	1/17/2018	Hydrocarbon	Gasoline Range Organics	n/a	=	105	%	EPA 8015D	-88	-88	75	123	
2017/18-1	Lab	method blank	1/17/2018	Hydrocarbon	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1			
2017/18-1	Lab	LCS	1/18/2018	Hydrocarbon	Gasoline Range Organics	n/a	=	0.89	mg/L	EPA 8015D	0.044	0.1			
2017/18-1	Lab	LCS, rec	1/18/2018	Hydrocarbon	Gasoline Range Organics	n/a	=	89	%	EPA 8015D	-88	-88	75	123	
2017/18-1	Lab	LCS dup	1/18/2018	Hydrocarbon	Gasoline Range Organics	n/a	=	1.02	mg/L	EPA 8015D	0.044	0.1			
2017/18-1	Lab	LCS dup, rec	1/18/2018	Hydrocarbon	Gasoline Range Organics	n/a	=	102	%	EPA 8015D	-88	-88	75	123	
2017/18-1	Lab	LCS, RPD	1/18/2018	Hydrocarbon	Gasoline Range Organics	n/a	=	14	%	EPA 8015D	-88	-88	0	25	
2017/18-1	Lab	method blank	1/18/2018	Hydrocarbon	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1			
2017/18-1	Lab	srgt method blank	1/23/2018	Hydrocarbon	n-Tetracosane	n/a	=	0.296	mg/L	EPA 8015D	-88	-88			
2017/18-1	Lab	srgt method blank, rec	1/23/2018	Hydrocarbon	n-Tetracosane	n/a	=	118	%	EPA 8015D	-88	-88	64	155	
2017/18-1	Lab	srgt LCS	1/23/2018	Hydrocarbon	n-Tetracosane	n/a	=	0.268	mg/L	EPA 8015D	-88	-88			
2017/18-1	Lab	srgt LCS, rec	1/23/2018	Hydrocarbon	n-Tetracosane	n/a	=	107	%	EPA 8015D	-88	-88	64	155	
2017/18-1	Lab	srgt LCS dup	1/23/2018	Hydrocarbon	n-Tetracosane	n/a	=	0.276	mg/L	EPA 8015D	-88	-88			
2017/18-1	Lab	srgt LCS dup, rec	1/23/2018	Hydrocarbon	n-Tetracosane	n/a	=	111	%	EPA 8015D	-88	-88	64	155	
2017/18-1	Lab	srgt method blank	1/25/2018	Hydrocarbon	n-Tetracosane	n/a	=	0.233	mg/L	EPA 8015D	-88	-88			
2017/18-1	Lab	srgt method blank, rec	1/25/2018	Hydrocarbon	n-Tetracosane	n/a	=	93	%	EPA 8015D	-88	-88	64	155	
2017/18-1	Lab	srgt LCS	1/25/2018	Hydrocarbon	n-Tetracosane	n/a	=	0.225	mg/L	EPA 8015D	-88	-88			
2017/18-1	Lab	srgt LCS, rec	1/25/2018	Hydrocarbon	n-Tetracosane	n/a	=	90	%	EPA 8015D	-88	-88	64	155	
2017/18-1	Lab	srgt method blank	1/25/2018	Hydrocarbon	n-Tetracosane	n/a	=	0.258	mg/L	EPA 8015D	-88	-88			
2017/18-1	Lab	srgt method blank, rec	1/25/2018	Hydrocarbon	n-Tetracosane	n/a	=	103	%	EPA 8015D	-88	-88	64	155	
2017/18-1	Lab	srgt LCS	1/25/2018	Hydrocarbon	n-Tetracosane	n/a	=	0.261	mg/L	EPA 8015D	-88	-88			
2017/18-1	Lab	srgt LCS, rec	1/25/2018	Hydrocarbon	n-Tetracosane	n/a	=	105	%	EPA 8015D	-88	-88	64	155	
2017/18-1	Lab	srgt LCS dup	1/25/2018	Hydrocarbon	n-Tetracosane	n/a	=	0.247	mg/L	EPA 8015D	-88	-88			
2017/18-1	Lab	srgt LCS dup, rec	1/25/2018	Hydrocarbon	n-Tetracosane	n/a	=	99	%	EPA 8015D	-88	-88	64	155	
2017/18-1	Lab	srgt method blank	1/26/2018	Hydrocarbon	n-Tetracosane	n/a	=	0.255	mg/L	EPA 8015D	-88	-88			
2017/18-1	Lab	srgt method blank, rec	1/26/2018	Hydrocarbon	n-Tetracosane	n/a	=	102	%	EPA 8015D	-88	-88	64	155	
2017/18-1	Lab	srgt LCS	1/26/2018	Hydrocarbon	n-Tetracosane	n/a	=	0.219	mg/L	EPA 8015D	-88	-88			
2017/18-1	Lab	srgt LCS, rec	1/26/2018	Hydrocarbon	n-Tetracosane	n/a	=	88	%	EPA 8015D	-88	-88	64	155	
2017/18-1	ME-CC	srgt environ	1/25/2018	Hydrocarbon	n-Tetracosane	n/a	=	0.311	mg/L	EPA 8015D	-88	-88			
2017/18-1	ME-CC	srgt environ, rec	1/25/2018	Hydrocarbon	n-Tetracosane	n/a	=	124	%	EPA 8015D	-88	-88	64	155	
2017/18-1	ME-SCR	srgt environ	1/23/2018	Hydrocarbon	n-Tetracosane	n/a	=	0.209	mg/L	EPA 8015D	-88	-88			
2017/18-1	ME-SCR	srgt environ, rec	1/23/2018	Hydrocarbon	n-Tetracosane	n/a	=	83	%	EPA 8015D	-88	-88	64	155	
2017/18-1	ME-VR2	srgt environ	1/25/2018	Hydrocarbon	n-Tetracosane	n/a	=	0.221	mg/L	EPA 8015D	-88	-88			
2017/18-1	ME-VR2	srgt environ, rec	1/25/2018	Hydrocarbon	n-Tetracosane	n/a	=	88	%	EPA 8015D	-88	-88	64	155	
2017/18-1	MO-CAM	srgt environ	1/26/2018	Hydrocarbon	n-Tetracosane	n/a	=	0.269	mg/L	EPA 8015D	-88	-88			
2017/18-1	MO-CAM	srgt environ, rec	1/26/2018	Hydrocarbon	n-Tetracosane	n/a	=	108	%	EPA 8015D	-88	-88	64	155	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	MO-FIL	srgt environ	1/25/2018	Hydrocarbon	n-Tetracosane	n/a	=	0.218	mg/L	EPA 8015D	-88	-88			
2017/18-1	MO-FIL	srgt environ, rec	1/25/2018	Hydrocarbon	n-Tetracosane	n/a	=	87	%	EPA 8015D	-88	-88	64	155	
2017/18-1	MO-HUE	srgt environ	1/24/2018	Hydrocarbon	n-Tetracosane	n/a	=	0.273	mg/L	EPA 8015D	-88	-88			
2017/18-1	MO-HUE	srgt environ, rec	1/24/2018	Hydrocarbon	n-Tetracosane	n/a	=	109	%	EPA 8015D	-88	-88	64	155	
2017/18-1	MO-MEI	srgt environ	1/25/2018	Hydrocarbon	n-Tetracosane	n/a	=	0.238	mg/L	EPA 8015D	-88	-88			
2017/18-1	MO-MEI	srgt environ, rec	1/25/2018	Hydrocarbon	n-Tetracosane	n/a	=	95	%	EPA 8015D	-88	-88	64	155	
2017/18-1	MO-MPK	srgt environ	1/25/2018	Hydrocarbon	n-Tetracosane	n/a	=	0.186	mg/L	EPA 8015D	-88	-88			
2017/18-1	MO-MPK	srgt environ, rec	1/25/2018	Hydrocarbon	n-Tetracosane	n/a	=	74	%	EPA 8015D	-88	-88	64	155	
2017/18-1	MO-OJA	srgt environ	1/25/2018	Hydrocarbon	n-Tetracosane	n/a	=	0.193	mg/L	EPA 8015D	-88	-88			
2017/18-1	MO-OJA	srgt environ, rec	1/25/2018	Hydrocarbon	n-Tetracosane	n/a	=	77	%	EPA 8015D	-88	-88	64	155	
2017/18-1	MO-OXN	srgt environ	1/26/2018	Hydrocarbon	n-Tetracosane	n/a	=	0.25	mg/L	EPA 8015D	-88	-88			
2017/18-1	MO-OXN	srgt environ, rec	1/26/2018	Hydrocarbon	n-Tetracosane	n/a	=	100	%	EPA 8015D	-88	-88	64	155	
2017/18-1	MO-SIM	srgt environ	1/23/2018	Hydrocarbon	n-Tetracosane	n/a	=	0.242	mg/L	EPA 8015D	-88	-88			
2017/18-1	MO-SIM	srgt environ, rec	1/23/2018	Hydrocarbon	n-Tetracosane	n/a	=	97	%	EPA 8015D	-88	-88	64	155	
2017/18-1	MO-SPA	srgt environ	1/25/2018	Hydrocarbon	n-Tetracosane	n/a	=	0.237	mg/L	EPA 8015D	-88	-88			
2017/18-1	MO-SPA	srgt environ, rec	1/25/2018	Hydrocarbon	n-Tetracosane	n/a	=	95	%	EPA 8015D	-88	-88	64	155	
2017/18-1	MO-THO	srgt environ	1/25/2018	Hydrocarbon	n-Tetracosane	n/a	=	0.217	mg/L	EPA 8015D	-88	-88			
2017/18-1	MO-THO	srgt environ, rec	1/25/2018	Hydrocarbon	n-Tetracosane	n/a	=	87	%	EPA 8015D	-88	-88	64	155	
2017/18-1	MO-VEN	srgt environ	1/25/2018	Hydrocarbon	n-Tetracosane	n/a	=	0.233	mg/L	EPA 8015D	-88	-88			
2017/18-1	MO-VEN	srgt environ, rec	1/25/2018	Hydrocarbon	n-Tetracosane	n/a	=	93	%	EPA 8015D	-88	-88	64	155	
2017/18-1	Lab	LCS	1/19/2018	Hydrocarbon	Oil and Grease	n/a	DNQ	4.2	mg/L	EPA 1664A	1.3	5			
2017/18-1	Lab	LCS	1/19/2018	Hydrocarbon	Oil and Grease	n/a	=	17.7	mg/L	EPA 1664A	1.3	5			
2017/18-1	Lab	LCS dup	1/19/2018	Hydrocarbon	Oil and Grease	n/a	=	17.4	mg/L	EPA 1664A	1.3	5			
2017/18-1	Lab	LCS dup, rec	1/19/2018	Hydrocarbon	Oil and Grease	n/a	=	87	%	EPA 1664A	-88	-88	78	114	
2017/18-1	Lab	LCS, rec	1/19/2018	Hydrocarbon	Oil and Grease	n/a	=	84	%	EPA 1664A	-88	-88	78	114	
2017/18-1	Lab	LCS, rec	1/19/2018	Hydrocarbon	Oil and Grease	n/a	=	88	%	EPA 1664A	-88	-88	78	114	
2017/18-1	Lab	LCS, RPD	1/19/2018	Hydrocarbon	Oil and Grease	n/a	=	2	%	EPA 1664A	-88	-88	0	18	
2017/18-1	Lab	method blank	1/19/2018	Hydrocarbon	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5			
2017/18-1	Lab	method blank	1/23/2018	Hydrocarbon	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5			
2017/18-1	Lab	method blank	1/25/2018	Hydrocarbon	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5			
2017/18-1	Lab	method blank	1/25/2018	Hydrocarbon	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5			
2017/18-1	Lab	method blank	1/26/2018	Hydrocarbon	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5			
2017/18-1	Lab	method blank	1/24/2018	Metal	Aluminum	Dissolved	<	1.3	µg/L	EPA 200.8	1.3	5			
2017/18-1	Lab	method blank	1/24/2018	Metal	Aluminum	Dissolved	DNQ	1.43	µg/L	EPA 200.8	1.3	5			IP
2017/18-1	Lab	LCS	1/24/2018	Metal	Aluminum	Dissolved	=	50.7	µg/L	EPA 200.8	1.3	5			
2017/18-1	Lab	LCS, rec	1/24/2018	Metal	Aluminum	Dissolved	=	101	%	EPA 200.8	-88	-88	85	115	
2017/18-1	Lab	method blank	1/25/2018	Metal	Aluminum	Dissolved	<	1.3	µg/L	EPA 200.8	1.3	5			
2017/18-1	Lab	LCS	1/25/2018	Metal	Aluminum	Dissolved	=	47.9	µg/L	EPA 200.8	1.3	5			
2017/18-1	Lab	LCS, rec	1/25/2018	Metal	Aluminum	Dissolved	=	96	%	EPA 200.8	-88	-88	85	115	
2017/18-1	Lab	method blank	1/24/2018	Metal	Aluminum	Total	DNQ	1.46	µg/L	EPA 200.8	1.3	5			IP
2017/18-1	Lab	LCS	1/24/2018	Metal	Aluminum	Total	=	50.7	µg/L	EPA 200.8	1.3	5			
2017/18-1	Lab	LCS, rec	1/24/2018	Metal	Aluminum	Total	=	101	%	EPA 200.8	-88	-88	85	115	
2017/18-1	Lab	method blank	1/25/2018	Metal	Aluminum	Total	<	1.3	µg/L	EPA 200.8	1.3	5			
2017/18-1	Lab	LCS	1/25/2018	Metal	Aluminum	Total	=	47.9	µg/L	EPA 200.8	1.3	5			
2017/18-1	Lab	LCS, rec	1/25/2018	Metal	Aluminum	Total	=	96	%	EPA 200.8	-88	-88	85	115	
2017/18-1	Lab	method blank	1/25/2018	Metal	Aluminum	Total	DNQ	1.54	µg/L	EPA 200.8	1.3	5			IP
2017/18-1	Lab	LCS	1/25/2018	Metal	Aluminum	Total	=	48.3	µg/L	EPA 200.8	1.3	5			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	Lab	LCS, rec	1/25/2018	Metal	Aluminum	Total	=	97	%	EPA 200.8	-88	-88	85	115	
2017/18-1	ME-SCR	matrix spike	1/24/2018	Metal	Aluminum	Total	=	193	µg/L	EPA 200.8	1.3	5			GB
2017/18-1	ME-SCR	matrix spike, rec	1/24/2018	Metal	Aluminum	Total	=	139	%	EPA 200.8	-88	-88	70	130	GB
2017/18-1	ME-SCR	matrix spike dup	1/24/2018	Metal	Aluminum	Total	=	191	µg/L	EPA 200.8	1.3	5			GB
2017/18-1	ME-SCR	matrix spike dup, rec	1/24/2018	Metal	Aluminum	Total	=	134	%	EPA 200.8	-88	-88	70	130	GB
2017/18-1	ME-SCR	matrix spike, RPD	1/24/2018	Metal	Aluminum	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2017/18-1	ME-SCR	matrix spike	1/25/2018	Metal	Aluminum	Total	=	166	µg/L	EPA 200.8	1.3	5			
2017/18-1	ME-SCR	matrix spike, rec	1/25/2018	Metal	Aluminum	Total	=	86	%	EPA 200.8	-88	-88	70	130	
2017/18-1	ME-SCR	matrix spike dup	1/25/2018	Metal	Aluminum	Total	=	165	µg/L	EPA 200.8	1.3	5			
2017/18-1	ME-SCR	matrix spike dup, rec	1/25/2018	Metal	Aluminum	Total	=	83	%	EPA 200.8	-88	-88	70	130	
2017/18-1	ME-SCR	matrix spike, RPD	1/25/2018	Metal	Aluminum	Total	=	0.9	%	EPA 200.8	-88	-88	0	30	
2017/18-1	MO-HUE	matrix spike	1/24/2018	Metal	Aluminum	Total	=	366	µg/L	EPA 200.8	1.3	5			GB
2017/18-1	MO-HUE	matrix spike, rec	1/24/2018	Metal	Aluminum	Total	=	180	%	EPA 200.8	-88	-88	70	130	GB
2017/18-1	MO-HUE	matrix spike dup	1/24/2018	Metal	Aluminum	Total	=	399	µg/L	EPA 200.8	1.3	5			GB
2017/18-1	MO-HUE	matrix spike dup, rec	1/24/2018	Metal	Aluminum	Total	=	245	%	EPA 200.8	-88	-88	70	130	GB
2017/18-1	MO-HUE	matrix spike, RPD	1/24/2018	Metal	Aluminum	Total	=	8	%	EPA 200.8	-88	-88	0	30	
2017/18-1	MO-HUE	matrix spike	1/25/2018	Metal	Aluminum	Total	=	329	µg/L	EPA 200.8	1.3	5			
2017/18-1	MO-HUE	matrix spike, rec	1/25/2018	Metal	Aluminum	Total	=	104	%	EPA 200.8	-88	-88	70	130	
2017/18-1	MO-HUE	matrix spike dup	1/25/2018	Metal	Aluminum	Total	=	349	µg/L	EPA 200.8	1.3	5			
2017/18-1	MO-HUE	matrix spike dup, rec	1/25/2018	Metal	Aluminum	Total	=	145	%	EPA 200.8	-88	-88	70	130	
2017/18-1	MO-HUE	matrix spike, RPD	1/25/2018	Metal	Aluminum	Total	=	6	%	EPA 200.8	-88	-88	0	30	
2017/18-1	MO-MEI	matrix spike	1/25/2018	Metal	Aluminum	Total	=	2390	µg/L	EPA 200.8	1.3	5			
2017/18-1	MO-MEI	matrix spike, rec	1/25/2018	Metal	Aluminum	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2017/18-1	MO-MEI	matrix spike dup	1/25/2018	Metal	Aluminum	Total	=	2610	µg/L	EPA 200.8	1.3	5			GB
2017/18-1	MO-MEI	matrix spike dup, rec	1/25/2018	Metal	Aluminum	Total	=	534	%	EPA 200.8	-88	-88	70	130	GB
2017/18-1	MO-MEI	matrix spike, RPD	1/25/2018	Metal	Aluminum	Total	=	9	%	EPA 200.8	-88	-88	0	30	
2017/18-1	MO-THO	matrix spike	1/25/2018	Metal	Aluminum	Total	=	16900	µg/L	EPA 200.8	1.3	5			GB
2017/18-1	MO-THO	matrix spike, rec	1/25/2018	Metal	Aluminum	Total	=	3380	%	EPA 200.8	-88	-88	70	130	GB
2017/18-1	MO-THO	matrix spike dup	1/25/2018	Metal	Aluminum	Total	=	14900	µg/L	EPA 200.8	1.3	5			GB
2017/18-1	MO-THO	matrix spike dup, rec	1/25/2018	Metal	Aluminum	Total	=	-62	%	EPA 200.8	-88	-88	70	130	GB
2017/18-1	MO-THO	matrix spike, RPD	1/25/2018	Metal	Aluminum	Total	=	13	%	EPA 200.8	-88	-88	0	30	
2017/18-1	Lab	method blank	1/24/2018	Metal	Antimony	Dissolved	<	0.045	µg/L	EPA 200.8	0.045	0.5			
2017/18-1	Lab	method blank	1/24/2018	Metal	Antimony	Dissolved	<	0.045	µg/L	EPA 200.8	0.045	0.5			
2017/18-1	Lab	LCS	1/24/2018	Metal	Antimony	Dissolved	=	50.6	µg/L	EPA 200.8	0.045	0.5			
2017/18-1	Lab	LCS, rec	1/24/2018	Metal	Antimony	Dissolved	=	101	%	EPA 200.8	-88	-88	85	115	
2017/18-1	Lab	method blank	1/25/2018	Metal	Antimony	Dissolved	<	0.045	µg/L	EPA 200.8	0.045	0.5			
2017/18-1	Lab	LCS	1/25/2018	Metal	Antimony	Dissolved	=	49.4	µg/L	EPA 200.8	0.045	0.5			
2017/18-1	Lab	LCS, rec	1/25/2018	Metal	Antimony	Dissolved	=	99	%	EPA 200.8	-88	-88	85	115	
2017/18-1	Lab	method blank	1/24/2018	Metal	Antimony	Total	<	0.045	µg/L	EPA 200.8	0.045	0.5			
2017/18-1	Lab	LCS	1/24/2018	Metal	Antimony	Total	=	50.6	µg/L	EPA 200.8	0.045	0.5			
2017/18-1	Lab	LCS, rec	1/24/2018	Metal	Antimony	Total	=	101	%	EPA 200.8	-88	-88	85	115	
2017/18-1	Lab	method blank	1/25/2018	Metal	Antimony	Total	<	0.045	µg/L	EPA 200.8	0.045	0.5			
2017/18-1	Lab	LCS	1/25/2018	Metal	Antimony	Total	=	49.4	µg/L	EPA 200.8	0.045	0.5			
2017/18-1	Lab	LCS, rec	1/25/2018	Metal	Antimony	Total	=	99	%	EPA 200.8	-88	-88	85	115	
2017/18-1	ME-SCR	matrix spike	1/24/2018	Metal	Antimony	Total	=	49.2	µg/L	EPA 200.8	0.045	0.5			
2017/18-1	ME-SCR	matrix spike, rec	1/24/2018	Metal	Antimony	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2017/18-1	ME-SCR	matrix spike dup	1/24/2018	Metal	Antimony	Total	=	49.9	µg/L	EPA 200.8	0.045	0.5			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	ME-SCR	matrix spike dup, rec	1/24/2018	Metal	Antimony	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2017/18-1	ME-SCR	matrix spike, RPD	1/24/2018	Metal	Antimony	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2017/18-1	MO-HUE	matrix spike	1/24/2018	Metal	Antimony	Total	=	49.7	µg/L	EPA 200.8	0.045	0.5			
2017/18-1	MO-HUE	matrix spike, rec	1/24/2018	Metal	Antimony	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2017/18-1	MO-HUE	matrix spike dup	1/24/2018	Metal	Antimony	Total	=	50.3	µg/L	EPA 200.8	0.045	0.5			
2017/18-1	MO-HUE	matrix spike dup, rec	1/24/2018	Metal	Antimony	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2017/18-1	MO-HUE	matrix spike, RPD	1/24/2018	Metal	Antimony	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2017/18-1	MO-MEI	matrix spike	1/25/2018	Metal	Antimony	Total	=	43	µg/L	EPA 200.8	0.045	0.5			
2017/18-1	MO-MEI	matrix spike, rec	1/25/2018	Metal	Antimony	Total	=	85	%	EPA 200.8	-88	-88	70	130	
2017/18-1	MO-MEI	matrix spike dup	1/25/2018	Metal	Antimony	Total	=	46.3	µg/L	EPA 200.8	0.045	0.5			
2017/18-1	MO-MEI	matrix spike dup, rec	1/25/2018	Metal	Antimony	Total	=	92	%	EPA 200.8	-88	-88	70	130	
2017/18-1	MO-MEI	matrix spike, RPD	1/25/2018	Metal	Antimony	Total	=	7	%	EPA 200.8	-88	-88	0	30	
2017/18-1	MO-THO	matrix spike	1/25/2018	Metal	Antimony	Total	=	22.8	µg/L	EPA 200.8	0.045	0.5			GB
2017/18-1	MO-THO	matrix spike, rec	1/25/2018	Metal	Antimony	Total	=	44	%	EPA 200.8	-88	-88	70	130	GB
2017/18-1	MO-THO	matrix spike dup	1/25/2018	Metal	Antimony	Total	=	28	µg/L	EPA 200.8	0.045	0.5			GB
2017/18-1	MO-THO	matrix spike dup, rec	1/25/2018	Metal	Antimony	Total	=	54	%	EPA 200.8	-88	-88	70	130	GB
2017/18-1	MO-THO	matrix spike, RPD	1/25/2018	Metal	Antimony	Total	=	20	%	EPA 200.8	-88	-88	0	30	
2017/18-1	Lab	method blank	1/24/2018	Metal	Arsenic	Dissolved	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2017/18-1	Lab	method blank	1/24/2018	Metal	Arsenic	Dissolved	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2017/18-1	Lab	LCS	1/24/2018	Metal	Arsenic	Dissolved	=	51.1	µg/L	EPA 200.8	0.074	0.4			
2017/18-1	Lab	LCS, rec	1/24/2018	Metal	Arsenic	Dissolved	=	102	%	EPA 200.8	-88	-88	85	115	
2017/18-1	Lab	method blank	1/25/2018	Metal	Arsenic	Dissolved	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2017/18-1	Lab	LCS	1/25/2018	Metal	Arsenic	Dissolved	=	47.9	µg/L	EPA 200.8	0.074	0.4			
2017/18-1	Lab	LCS, rec	1/25/2018	Metal	Arsenic	Dissolved	=	96	%	EPA 200.8	-88	-88	85	115	
2017/18-1	Lab	method blank	1/24/2018	Metal	Arsenic	Total	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2017/18-1	Lab	LCS	1/24/2018	Metal	Arsenic	Total	=	51.1	µg/L	EPA 200.8	0.074	0.4			
2017/18-1	Lab	LCS, rec	1/24/2018	Metal	Arsenic	Total	=	102	%	EPA 200.8	-88	-88	85	115	
2017/18-1	Lab	method blank	1/25/2018	Metal	Arsenic	Total	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2017/18-1	Lab	LCS	1/25/2018	Metal	Arsenic	Total	=	47.9	µg/L	EPA 200.8	0.074	0.4			
2017/18-1	Lab	LCS, rec	1/25/2018	Metal	Arsenic	Total	=	96	%	EPA 200.8	-88	-88	85	115	
2017/18-1	ME-SCR	matrix spike	1/24/2018	Metal	Arsenic	Total	=	55.1	µg/L	EPA 200.8	0.074	0.4			
2017/18-1	ME-SCR	matrix spike, rec	1/24/2018	Metal	Arsenic	Total	=	106	%	EPA 200.8	-88	-88	70	130	
2017/18-1	ME-SCR	matrix spike dup	1/24/2018	Metal	Arsenic	Total	=	56.3	µg/L	EPA 200.8	0.074	0.4			
2017/18-1	ME-SCR	matrix spike dup, rec	1/24/2018	Metal	Arsenic	Total	=	108	%	EPA 200.8	-88	-88	70	130	
2017/18-1	ME-SCR	matrix spike, RPD	1/24/2018	Metal	Arsenic	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2017/18-1	MO-HUE	matrix spike	1/24/2018	Metal	Arsenic	Total	=	54.9	µg/L	EPA 200.8	0.074	0.4			
2017/18-1	MO-HUE	matrix spike, rec	1/24/2018	Metal	Arsenic	Total	=	106	%	EPA 200.8	-88	-88	70	130	
2017/18-1	MO-HUE	matrix spike dup	1/24/2018	Metal	Arsenic	Total	=	54.9	µg/L	EPA 200.8	0.074	0.4			
2017/18-1	MO-HUE	matrix spike dup, rec	1/24/2018	Metal	Arsenic	Total	=	106	%	EPA 200.8	-88	-88	70	130	
2017/18-1	MO-HUE	matrix spike, RPD	1/24/2018	Metal	Arsenic	Total	=	0	%	EPA 200.8	-88	-88	0	30	
2017/18-1	MO-MEI	matrix spike	1/25/2018	Metal	Arsenic	Total	=	48.9	µg/L	EPA 200.8	0.074	0.4			
2017/18-1	MO-MEI	matrix spike, rec	1/25/2018	Metal	Arsenic	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2017/18-1	MO-MEI	matrix spike dup	1/25/2018	Metal	Arsenic	Total	=	50.5	µg/L	EPA 200.8	0.074	0.4			
2017/18-1	MO-MEI	matrix spike dup, rec	1/25/2018	Metal	Arsenic	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2017/18-1	MO-MEI	matrix spike, RPD	1/25/2018	Metal	Arsenic	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2017/18-1	MO-THO	matrix spike	1/25/2018	Metal	Arsenic	Total	=	52.4	µg/L	EPA 200.8	0.074	0.4			
2017/18-1	MO-THO	matrix spike, rec	1/25/2018	Metal	Arsenic	Total	=	93	%	EPA 200.8	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	MO-THO	matrix spike dup	1/25/2018	Metal	Arsenic	Total	=	51.7	µg/L	EPA 200.8	0.074	0.4			
2017/18-1	MO-THO	matrix spike dup, rec	1/25/2018	Metal	Arsenic	Total	=	92	%	EPA 200.8	-88	-88	70	130	
2017/18-1	MO-THO	matrix spike, RPD	1/25/2018	Metal	Arsenic	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2017/18-1	Lab	method blank	1/24/2018	Metal	Barium	Total	DNQ	0.14	µg/L	EPA 200.8	0.071	0.5			IP
2017/18-1	Lab	LCS	1/24/2018	Metal	Barium	Total	=	49.2	µg/L	EPA 200.8	0.071	0.5			
2017/18-1	Lab	LCS, rec	1/24/2018	Metal	Barium	Total	=	98	%	EPA 200.8	-88	-88	85	115	
2017/18-1	Lab	method blank	1/25/2018	Metal	Barium	Total	<	0.071	µg/L	EPA 200.8	0.071	0.5			
2017/18-1	Lab	LCS	1/25/2018	Metal	Barium	Total	=	47	µg/L	EPA 200.8	0.071	0.5			
2017/18-1	Lab	LCS, rec	1/25/2018	Metal	Barium	Total	=	94	%	EPA 200.8	-88	-88	85	115	
2017/18-1	Lab	method blank	1/25/2018	Metal	Barium	Total	DNQ	0.14	µg/L	EPA 200.8	0.071	0.5			IP
2017/18-1	Lab	LCS	1/25/2018	Metal	Barium	Total	=	48.3	µg/L	EPA 200.8	0.071	0.5			
2017/18-1	Lab	LCS, rec	1/25/2018	Metal	Barium	Total	=	97	%	EPA 200.8	-88	-88	85	115	
2017/18-1	ME-SCR	matrix spike	1/24/2018	Metal	Barium	Total	=	126	µg/L	EPA 200.8	0.071	0.5			
2017/18-1	ME-SCR	matrix spike, rec	1/24/2018	Metal	Barium	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2017/18-1	ME-SCR	matrix spike dup	1/24/2018	Metal	Barium	Total	=	128	µg/L	EPA 200.8	0.071	0.5			
2017/18-1	ME-SCR	matrix spike dup, rec	1/24/2018	Metal	Barium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2017/18-1	ME-SCR	matrix spike, RPD	1/24/2018	Metal	Barium	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2017/18-1	ME-SCR	matrix spike	1/25/2018	Metal	Barium	Total	=	124	µg/L	EPA 200.8	0.071	0.5			
2017/18-1	ME-SCR	matrix spike, rec	1/25/2018	Metal	Barium	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2017/18-1	ME-SCR	matrix spike dup	1/25/2018	Metal	Barium	Total	=	120	µg/L	EPA 200.8	0.071	0.5			
2017/18-1	ME-SCR	matrix spike dup, rec	1/25/2018	Metal	Barium	Total	=	85	%	EPA 200.8	-88	-88	70	130	
2017/18-1	ME-SCR	matrix spike, RPD	1/25/2018	Metal	Barium	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2017/18-1	MO-HUE	matrix spike	1/24/2018	Metal	Barium	Total	=	88.8	µg/L	EPA 200.8	0.071	0.5			
2017/18-1	MO-HUE	matrix spike, rec	1/24/2018	Metal	Barium	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2017/18-1	MO-HUE	matrix spike dup	1/24/2018	Metal	Barium	Total	=	90.6	µg/L	EPA 200.8	0.071	0.5			
2017/18-1	MO-HUE	matrix spike dup, rec	1/24/2018	Metal	Barium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2017/18-1	MO-HUE	matrix spike, RPD	1/24/2018	Metal	Barium	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2017/18-1	MO-HUE	matrix spike	1/25/2018	Metal	Barium	Total	=	90	µg/L	EPA 200.8	0.071	0.5			
2017/18-1	MO-HUE	matrix spike, rec	1/25/2018	Metal	Barium	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2017/18-1	MO-HUE	matrix spike dup	1/25/2018	Metal	Barium	Total	=	90	µg/L	EPA 200.8	0.071	0.5			
2017/18-1	MO-HUE	matrix spike dup, rec	1/25/2018	Metal	Barium	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2017/18-1	MO-HUE	matrix spike, RPD	1/25/2018	Metal	Barium	Total	=	0.01	%	EPA 200.8	-88	-88	0	30	
2017/18-1	MO-MEI	matrix spike	1/25/2018	Metal	Barium	Total	=	108	µg/L	EPA 200.8	0.071	0.5			
2017/18-1	MO-MEI	matrix spike, rec	1/25/2018	Metal	Barium	Total	=	89	%	EPA 200.8	-88	-88	70	130	
2017/18-1	MO-MEI	matrix spike dup	1/25/2018	Metal	Barium	Total	=	113	µg/L	EPA 200.8	0.071	0.5			
2017/18-1	MO-MEI	matrix spike dup, rec	1/25/2018	Metal	Barium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2017/18-1	MO-MEI	matrix spike, RPD	1/25/2018	Metal	Barium	Total	=	5	%	EPA 200.8	-88	-88	0	30	
2017/18-1	MO-THO	matrix spike	1/25/2018	Metal	Barium	Total	=	161	µg/L	EPA 200.8	0.071	0.5			
2017/18-1	MO-THO	matrix spike, rec	1/25/2018	Metal	Barium	Total	=	104	%	EPA 200.8	-88	-88	70	130	
2017/18-1	MO-THO	matrix spike dup	1/25/2018	Metal	Barium	Total	=	158	µg/L	EPA 200.8	0.071	0.5			
2017/18-1	MO-THO	matrix spike dup, rec	1/25/2018	Metal	Barium	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2017/18-1	MO-THO	matrix spike, RPD	1/25/2018	Metal	Barium	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2017/18-1	Lab	method blank	1/24/2018	Metal	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2017/18-1	Lab	method blank	1/24/2018	Metal	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2017/18-1	Lab	LCS	1/24/2018	Metal	Beryllium	Dissolved	=	51.5	µg/L	EPA 200.8	0.033	0.1			
2017/18-1	Lab	LCS, rec	1/24/2018	Metal	Beryllium	Dissolved	=	103	%	EPA 200.8	-88	-88	85	115	
2017/18-1	Lab	method blank	1/25/2018	Metal	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	Lab	LCS	1/25/2018	Metal	Beryllium	Dissolved	=	47.7	µg/L	EPA 200.8	0.033	0.1			
2017/18-1	Lab	LCS, rec	1/25/2018	Metal	Beryllium	Dissolved	=	95	%	EPA 200.8	-88	-88	85	115	
2017/18-1	Lab	method blank	1/24/2018	Metal	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2017/18-1	Lab	LCS	1/24/2018	Metal	Beryllium	Total	=	51.5	µg/L	EPA 200.8	0.033	0.1			
2017/18-1	Lab	LCS, rec	1/24/2018	Metal	Beryllium	Total	=	103	%	EPA 200.8	-88	-88	85	115	
2017/18-1	Lab	method blank	1/25/2018	Metal	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2017/18-1	Lab	LCS	1/25/2018	Metal	Beryllium	Total	=	47.7	µg/L	EPA 200.8	0.033	0.1			
2017/18-1	Lab	LCS, rec	1/25/2018	Metal	Beryllium	Total	=	95	%	EPA 200.8	-88	-88	85	115	
2017/18-1	ME-SCR	matrix spike	1/24/2018	Metal	Beryllium	Total	=	49.1	µg/L	EPA 200.8	0.033	0.1			
2017/18-1	ME-SCR	matrix spike, rec	1/24/2018	Metal	Beryllium	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2017/18-1	ME-SCR	matrix spike dup	1/24/2018	Metal	Beryllium	Total	=	50.4	µg/L	EPA 200.8	0.033	0.1			
2017/18-1	ME-SCR	matrix spike dup, rec	1/24/2018	Metal	Beryllium	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2017/18-1	ME-SCR	matrix spike, RPD	1/24/2018	Metal	Beryllium	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2017/18-1	MO-HUE	matrix spike	1/24/2018	Metal	Beryllium	Total	=	49.8	µg/L	EPA 200.8	0.033	0.1			
2017/18-1	MO-HUE	matrix spike, rec	1/24/2018	Metal	Beryllium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2017/18-1	MO-HUE	matrix spike dup	1/24/2018	Metal	Beryllium	Total	=	51.3	µg/L	EPA 200.8	0.033	0.1			
2017/18-1	MO-HUE	matrix spike dup, rec	1/24/2018	Metal	Beryllium	Total	=	103	%	EPA 200.8	-88	-88	70	130	
2017/18-1	MO-HUE	matrix spike, RPD	1/24/2018	Metal	Beryllium	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2017/18-1	MO-MEI	matrix spike	1/25/2018	Metal	Beryllium	Total	=	53	µg/L	EPA 200.8	0.033	0.1			
2017/18-1	MO-MEI	matrix spike, rec	1/25/2018	Metal	Beryllium	Total	=	106	%	EPA 200.8	-88	-88	70	130	
2017/18-1	MO-MEI	matrix spike dup	1/25/2018	Metal	Beryllium	Total	=	53	µg/L	EPA 200.8	0.033	0.1			
2017/18-1	MO-MEI	matrix spike dup, rec	1/25/2018	Metal	Beryllium	Total	=	106	%	EPA 200.8	-88	-88	70	130	
2017/18-1	MO-MEI	matrix spike, RPD	1/25/2018	Metal	Beryllium	Total	=	0.02	%	EPA 200.8	-88	-88	0	30	
2017/18-1	MO-THO	matrix spike	1/25/2018	Metal	Beryllium	Total	=	51.6	µg/L	EPA 200.8	0.033	0.1			
2017/18-1	MO-THO	matrix spike, rec	1/25/2018	Metal	Beryllium	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2017/18-1	MO-THO	matrix spike dup	1/25/2018	Metal	Beryllium	Total	=	52.3	µg/L	EPA 200.8	0.033	0.1			
2017/18-1	MO-THO	matrix spike dup, rec	1/25/2018	Metal	Beryllium	Total	=	104	%	EPA 200.8	-88	-88	70	130	
2017/18-1	MO-THO	matrix spike, RPD	1/25/2018	Metal	Beryllium	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2017/18-1	Lab	method blank	1/24/2018	Metal	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2017/18-1	Lab	method blank	1/24/2018	Metal	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2017/18-1	Lab	LCS	1/24/2018	Metal	Cadmium	Dissolved	=	49.3	µg/L	EPA 200.8	0.041	0.1			
2017/18-1	Lab	LCS, rec	1/24/2018	Metal	Cadmium	Dissolved	=	99	%	EPA 200.8	-88	-88	85	115	
2017/18-1	Lab	method blank	1/25/2018	Metal	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2017/18-1	Lab	LCS	1/25/2018	Metal	Cadmium	Dissolved	=	48.8	µg/L	EPA 200.8	0.041	0.1			
2017/18-1	Lab	LCS, rec	1/25/2018	Metal	Cadmium	Dissolved	=	98	%	EPA 200.8	-88	-88	85	115	
2017/18-1	Lab	method blank	1/24/2018	Metal	Cadmium	Total	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2017/18-1	Lab	LCS	1/24/2018	Metal	Cadmium	Total	=	49.3	µg/L	EPA 200.8	0.041	0.1			
2017/18-1	Lab	LCS, rec	1/24/2018	Metal	Cadmium	Total	=	99	%	EPA 200.8	-88	-88	85	115	
2017/18-1	Lab	method blank	1/25/2018	Metal	Cadmium	Total	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2017/18-1	Lab	LCS	1/25/2018	Metal	Cadmium	Total	=	48.8	µg/L	EPA 200.8	0.041	0.1			
2017/18-1	Lab	LCS, rec	1/25/2018	Metal	Cadmium	Total	=	98	%	EPA 200.8	-88	-88	85	115	
2017/18-1	ME-SCR	matrix spike	1/24/2018	Metal	Cadmium	Total	=	44.2	µg/L	EPA 200.8	0.041	0.1			
2017/18-1	ME-SCR	matrix spike, rec	1/24/2018	Metal	Cadmium	Total	=	88	%	EPA 200.8	-88	-88	70	130	
2017/18-1	ME-SCR	matrix spike dup	1/24/2018	Metal	Cadmium	Total	=	44.4	µg/L	EPA 200.8	0.041	0.1			
2017/18-1	ME-SCR	matrix spike dup, rec	1/24/2018	Metal	Cadmium	Total	=	89	%	EPA 200.8	-88	-88	70	130	
2017/18-1	ME-SCR	matrix spike, RPD	1/24/2018	Metal	Cadmium	Total	=	0.5	%	EPA 200.8	-88	-88	0	30	
2017/18-1	MO-HUE	matrix spike	1/24/2018	Metal	Cadmium	Total	=	44.5	µg/L	EPA 200.8	0.041	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	MO-HUE	matrix spike, rec	1/24/2018	Metal	Cadmium	Total	=	88	%	EPA 200.8	-88	-88	70	130	
2017/18-1	MO-HUE	matrix spike dup	1/24/2018	Metal	Cadmium	Total	=	44.9	µg/L	EPA 200.8	0.041	0.1			
2017/18-1	MO-HUE	matrix spike dup, rec	1/24/2018	Metal	Cadmium	Total	=	89	%	EPA 200.8	-88	-88	70	130	
2017/18-1	MO-HUE	matrix spike, RPD	1/24/2018	Metal	Cadmium	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2017/18-1	MO-MEI	matrix spike	1/25/2018	Metal	Cadmium	Total	=	48.7	µg/L	EPA 200.8	0.041	0.1			
2017/18-1	MO-MEI	matrix spike, rec	1/25/2018	Metal	Cadmium	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2017/18-1	MO-MEI	matrix spike dup	1/25/2018	Metal	Cadmium	Total	=	51	µg/L	EPA 200.8	0.041	0.1			
2017/18-1	MO-MEI	matrix spike dup, rec	1/25/2018	Metal	Cadmium	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2017/18-1	MO-MEI	matrix spike, RPD	1/25/2018	Metal	Cadmium	Total	=	5	%	EPA 200.8	-88	-88	0	30	
2017/18-1	MO-THO	matrix spike	1/25/2018	Metal	Cadmium	Total	=	48.8	µg/L	EPA 200.8	0.041	0.1			
2017/18-1	MO-THO	matrix spike, rec	1/25/2018	Metal	Cadmium	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2017/18-1	MO-THO	matrix spike dup	1/25/2018	Metal	Cadmium	Total	=	49	µg/L	EPA 200.8	0.041	0.1			
2017/18-1	MO-THO	matrix spike dup, rec	1/25/2018	Metal	Cadmium	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2017/18-1	MO-THO	matrix spike, RPD	1/25/2018	Metal	Cadmium	Total	=	0.4	%	EPA 200.8	-88	-88	0	30	
2017/18-1	Lab	method blank	1/24/2018	Metal	Chromium	Dissolved	<	0.035	µg/L	EPA 200.8	0.035	0.2			
2017/18-1	Lab	method blank	1/24/2018	Metal	Chromium	Dissolved	<	0.035	µg/L	EPA 200.8	0.035	0.2			
2017/18-1	Lab	LCS	1/24/2018	Metal	Chromium	Dissolved	=	49.4	µg/L	EPA 200.8	0.035	0.2			
2017/18-1	Lab	LCS, rec	1/24/2018	Metal	Chromium	Dissolved	=	99	%	EPA 200.8	-88	-88	85	115	
2017/18-1	Lab	method blank	1/25/2018	Metal	Chromium	Dissolved	<	0.035	µg/L	EPA 200.8	0.035	0.2			
2017/18-1	Lab	LCS	1/25/2018	Metal	Chromium	Dissolved	=	45.8	µg/L	EPA 200.8	0.035	0.2			
2017/18-1	Lab	LCS, rec	1/25/2018	Metal	Chromium	Dissolved	=	92	%	EPA 200.8	-88	-88	85	115	
2017/18-1	Lab	method blank	1/24/2018	Metal	Chromium	Total	<	0.035	µg/L	EPA 200.8	0.035	0.2			
2017/18-1	Lab	LCS	1/24/2018	Metal	Chromium	Total	=	49.4	µg/L	EPA 200.8	0.035	0.2			
2017/18-1	Lab	LCS, rec	1/24/2018	Metal	Chromium	Total	=	99	%	EPA 200.8	-88	-88	85	115	
2017/18-1	Lab	method blank	1/25/2018	Metal	Chromium	Total	<	0.035	µg/L	EPA 200.8	0.035	0.2			
2017/18-1	Lab	LCS	1/25/2018	Metal	Chromium	Total	=	45.8	µg/L	EPA 200.8	0.035	0.2			
2017/18-1	Lab	LCS, rec	1/25/2018	Metal	Chromium	Total	=	92	%	EPA 200.8	-88	-88	85	115	
2017/18-1	ME-SCR	matrix spike	1/24/2018	Metal	Chromium	Total	=	48.9	µg/L	EPA 200.8	0.035	0.2			
2017/18-1	ME-SCR	matrix spike, rec	1/24/2018	Metal	Chromium	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2017/18-1	ME-SCR	matrix spike dup	1/24/2018	Metal	Chromium	Total	=	49	µg/L	EPA 200.8	0.035	0.2			
2017/18-1	ME-SCR	matrix spike dup, rec	1/24/2018	Metal	Chromium	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2017/18-1	ME-SCR	matrix spike, RPD	1/24/2018	Metal	Chromium	Total	=	0.1	%	EPA 200.8	-88	-88	0	30	
2017/18-1	MO-HUE	matrix spike	1/24/2018	Metal	Chromium	Total	=	51.4	µg/L	EPA 200.8	0.035	0.2			
2017/18-1	MO-HUE	matrix spike, rec	1/24/2018	Metal	Chromium	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2017/18-1	MO-HUE	matrix spike dup	1/24/2018	Metal	Chromium	Total	=	51.7	µg/L	EPA 200.8	0.035	0.2			
2017/18-1	MO-HUE	matrix spike dup, rec	1/24/2018	Metal	Chromium	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2017/18-1	MO-HUE	matrix spike, RPD	1/24/2018	Metal	Chromium	Total	=	0.6	%	EPA 200.8	-88	-88	0	30	
2017/18-1	MO-MEI	matrix spike	1/25/2018	Metal	Chromium	Total	=	53.1	µg/L	EPA 200.8	0.035	0.2			
2017/18-1	MO-MEI	matrix spike, rec	1/25/2018	Metal	Chromium	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2017/18-1	MO-MEI	matrix spike dup	1/25/2018	Metal	Chromium	Total	=	54.8	µg/L	EPA 200.8	0.035	0.2			
2017/18-1	MO-MEI	matrix spike dup, rec	1/25/2018	Metal	Chromium	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2017/18-1	MO-MEI	matrix spike, RPD	1/25/2018	Metal	Chromium	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2017/18-1	MO-THO	matrix spike	1/25/2018	Metal	Chromium	Total	=	93.4	µg/L	EPA 200.8	0.035	0.2			
2017/18-1	MO-THO	matrix spike, rec	1/25/2018	Metal	Chromium	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2017/18-1	MO-THO	matrix spike dup	1/25/2018	Metal	Chromium	Total	=	88	µg/L	EPA 200.8	0.035	0.2			
2017/18-1	MO-THO	matrix spike dup, rec	1/25/2018	Metal	Chromium	Total	=	91	%	EPA 200.8	-88	-88	70	130	
2017/18-1	MO-THO	matrix spike, RPD	1/25/2018	Metal	Chromium	Total	=	6	%	EPA 200.8	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	000NONPJ	matrix spike	1/16/2018	Metal	Chromium VI	n/a	=	17	µg/L	EPA 218.6	0.0048	0.02			
2017/18-1	000NONPJ	matrix spike, rec	1/16/2018	Metal	Chromium VI	n/a	=	99	%	EPA 218.6	-88	-88	88	112	
2017/18-1	000NONPJ	matrix spike dup	1/16/2018	Metal	Chromium VI	n/a	=	16.9	µg/L	EPA 218.6	0.0048	0.02			
2017/18-1	000NONPJ	matrix spike dup, rec	1/16/2018	Metal	Chromium VI	n/a	=	98	%	EPA 218.6	-88	-88	88	112	
2017/18-1	000NONPJ	matrix spike, RPD	1/16/2018	Metal	Chromium VI	n/a	=	0.3	%	EPA 218.6	-88	-88	0	10	
2017/18-1	000NONPJ	matrix spike	1/16/2018	Metal	Chromium VI	n/a	=	7.74	µg/L	EPA 218.6	0.0048	0.02			
2017/18-1	000NONPJ	matrix spike, rec	1/16/2018	Metal	Chromium VI	n/a	=	101	%	EPA 218.6	-88	-88	88	112	
2017/18-1	000NONPJ	matrix spike dup	1/16/2018	Metal	Chromium VI	n/a	=	7.74	µg/L	EPA 218.6	0.0048	0.02			
2017/18-1	000NONPJ	matrix spike dup, rec	1/16/2018	Metal	Chromium VI	n/a	=	101	%	EPA 218.6	-88	-88	88	112	
2017/18-1	000NONPJ	matrix spike, RPD	1/16/2018	Metal	Chromium VI	n/a	=	0.03	%	EPA 218.6	-88	-88	0	10	
2017/18-1	Lab	method blank	1/12/2018	Metal	Chromium VI	n/a	<	0.0048	µg/L	EPA 218.6	0.0048	0.02			
2017/18-1	Lab	LCS	1/12/2018	Metal	Chromium VI	n/a	=	4.82	µg/L	EPA 218.6	0.0048	0.02			
2017/18-1	Lab	LCS, rec	1/12/2018	Metal	Chromium VI	n/a	=	96	%	EPA 218.6	-88	-88	90	110	
2017/18-1	Lab	method blank	1/16/2018	Metal	Chromium VI	n/a	<	0.0048	µg/L	EPA 218.6	0.0048	0.02			
2017/18-1	Lab	LCS	1/16/2018	Metal	Chromium VI	n/a	=	4.98	µg/L	EPA 218.6	0.0048	0.02			
2017/18-1	Lab	LCS, rec	1/16/2018	Metal	Chromium VI	n/a	=	100	%	EPA 218.6	-88	-88	90	110	
2017/18-1	Lab	method blank	1/21/2018	Metal	Chromium VI	n/a	<	0.0048	µg/L	EPA 218.6	0.0048	0.02			
2017/18-1	Lab	LCS	1/21/2018	Metal	Chromium VI	n/a	=	5	µg/L	EPA 218.6	0.0048	0.02			
2017/18-1	Lab	LCS, rec	1/21/2018	Metal	Chromium VI	n/a	=	100	%	EPA 218.6	-88	-88	90	110	
2017/18-1	ME-CC	matrix spike	1/21/2018	Metal	Chromium VI	n/a	=	10.3	µg/L	EPA 218.6	0.0096	0.04			
2017/18-1	ME-CC	matrix spike, rec	1/21/2018	Metal	Chromium VI	n/a	=	101	%	EPA 218.6	-88	-88	88	112	
2017/18-1	ME-CC	matrix spike dup	1/21/2018	Metal	Chromium VI	n/a	=	10.4	µg/L	EPA 218.6	0.0096	0.04			
2017/18-1	ME-CC	matrix spike dup, rec	1/21/2018	Metal	Chromium VI	n/a	=	102	%	EPA 218.6	-88	-88	88	112	
2017/18-1	ME-CC	matrix spike, RPD	1/21/2018	Metal	Chromium VI	n/a	=	1	%	EPA 218.6	-88	-88	0	10	
2017/18-1	ME-SCR	matrix spike	1/12/2018	Metal	Chromium VI	n/a	=	5.16	µg/L	EPA 218.6	0.0048	0.02			
2017/18-1	ME-SCR	matrix spike, rec	1/12/2018	Metal	Chromium VI	n/a	=	98	%	EPA 218.6	-88	-88	88	112	
2017/18-1	ME-SCR	matrix spike dup	1/12/2018	Metal	Chromium VI	n/a	=	5.29	µg/L	EPA 218.6	0.0048	0.02			
2017/18-1	ME-SCR	matrix spike dup, rec	1/12/2018	Metal	Chromium VI	n/a	=	101	%	EPA 218.6	-88	-88	88	112	
2017/18-1	ME-SCR	matrix spike, RPD	1/12/2018	Metal	Chromium VI	n/a	=	3	%	EPA 218.6	-88	-88	0	10	
2017/18-1	Lab	method blank	1/24/2018	Metal	Copper	Dissolved	<	0.13	µg/L	EPA 200.8	0.13	0.5			
2017/18-1	Lab	method blank	1/24/2018	Metal	Copper	Dissolved	<	0.13	µg/L	EPA 200.8	0.13	0.5			
2017/18-1	Lab	LCS	1/24/2018	Metal	Copper	Dissolved	=	51.5	µg/L	EPA 200.8	0.13	0.5			
2017/18-1	Lab	LCS, rec	1/24/2018	Metal	Copper	Dissolved	=	103	%	EPA 200.8	-88	-88	85	115	
2017/18-1	Lab	method blank	1/25/2018	Metal	Copper	Dissolved	<	0.13	µg/L	EPA 200.8	0.13	0.5			
2017/18-1	Lab	LCS	1/25/2018	Metal	Copper	Dissolved	=	46.2	µg/L	EPA 200.8	0.13	0.5			
2017/18-1	Lab	LCS, rec	1/25/2018	Metal	Copper	Dissolved	=	92	%	EPA 200.8	-88	-88	85	115	
2017/18-1	Lab	method blank	1/24/2018	Metal	Copper	Total	<	0.13	µg/L	EPA 200.8	0.13	0.5			
2017/18-1	Lab	LCS	1/24/2018	Metal	Copper	Total	=	51.5	µg/L	EPA 200.8	0.13	0.5			
2017/18-1	Lab	LCS, rec	1/24/2018	Metal	Copper	Total	=	103	%	EPA 200.8	-88	-88	85	115	
2017/18-1	Lab	method blank	1/25/2018	Metal	Copper	Total	<	0.13	µg/L	EPA 200.8	0.13	0.5			
2017/18-1	Lab	LCS	1/25/2018	Metal	Copper	Total	=	46.2	µg/L	EPA 200.8	0.13	0.5			
2017/18-1	Lab	LCS, rec	1/25/2018	Metal	Copper	Total	=	92	%	EPA 200.8	-88	-88	85	115	
2017/18-1	ME-SCR	matrix spike	1/24/2018	Metal	Copper	Total	=	45.4	µg/L	EPA 200.8	0.13	0.5			
2017/18-1	ME-SCR	matrix spike, rec	1/24/2018	Metal	Copper	Total	=	89	%	EPA 200.8	-88	-88	70	130	
2017/18-1	ME-SCR	matrix spike dup	1/24/2018	Metal	Copper	Total	=	45.7	µg/L	EPA 200.8	0.13	0.5			
2017/18-1	ME-SCR	matrix spike dup, rec	1/24/2018	Metal	Copper	Total	=	90	%	EPA 200.8	-88	-88	70	130	
2017/18-1	ME-SCR	matrix spike, RPD	1/24/2018	Metal	Copper	Total	=	0.7	%	EPA 200.8	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	MO-HUE	matrix spike	1/24/2018	Metal	Copper	Total	=	53.7	µg/L	EPA 200.8	0.13	0.5			
2017/18-1	MO-HUE	matrix spike, rec	1/24/2018	Metal	Copper	Total	=	92	%	EPA 200.8	-88	-88	70	130	
2017/18-1	MO-HUE	matrix spike dup	1/24/2018	Metal	Copper	Total	=	53.7	µg/L	EPA 200.8	0.13	0.5			
2017/18-1	MO-HUE	matrix spike dup, rec	1/24/2018	Metal	Copper	Total	=	92	%	EPA 200.8	-88	-88	70	130	
2017/18-1	MO-HUE	matrix spike, RPD	1/24/2018	Metal	Copper	Total	=	0.02	%	EPA 200.8	-88	-88	0	30	
2017/18-1	MO-MEI	matrix spike	1/25/2018	Metal	Copper	Total	=	59.9	µg/L	EPA 200.8	0.13	0.5			
2017/18-1	MO-MEI	matrix spike, rec	1/25/2018	Metal	Copper	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2017/18-1	MO-MEI	matrix spike dup	1/25/2018	Metal	Copper	Total	=	62.5	µg/L	EPA 200.8	0.13	0.5			
2017/18-1	MO-MEI	matrix spike dup, rec	1/25/2018	Metal	Copper	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2017/18-1	MO-MEI	matrix spike, RPD	1/25/2018	Metal	Copper	Total	=	4	%	EPA 200.8	-88	-88	0	30	
2017/18-1	MO-THO	matrix spike	1/25/2018	Metal	Copper	Total	=	90	µg/L	EPA 200.8	0.13	0.5			
2017/18-1	MO-THO	matrix spike, rec	1/25/2018	Metal	Copper	Total	=	92	%	EPA 200.8	-88	-88	70	130	
2017/18-1	MO-THO	matrix spike dup	1/25/2018	Metal	Copper	Total	=	87.5	µg/L	EPA 200.8	0.13	0.5			
2017/18-1	MO-THO	matrix spike dup, rec	1/25/2018	Metal	Copper	Total	=	87	%	EPA 200.8	-88	-88	70	130	
2017/18-1	MO-THO	matrix spike, RPD	1/25/2018	Metal	Copper	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2017/18-1	Lab	method blank	1/16/2018	Metal	Iron	Dissolved	<	1.1	µg/L	EPA 200.7	1.1	10			
2017/18-1	Lab	LCS	1/16/2018	Metal	Iron	Dissolved	=	202	µg/L	EPA 200.7	1.1	10			
2017/18-1	Lab	LCS, rec	1/16/2018	Metal	Iron	Dissolved	=	101	%	EPA 200.7	-88	-88	85	115	
2017/18-1	Lab	method blank	1/18/2018	Metal	Iron	Dissolved	<	1.1	µg/L	EPA 200.7	1.1	10			
2017/18-1	Lab	LCS	1/18/2018	Metal	Iron	Dissolved	=	189	µg/L	EPA 200.7	1.1	10			
2017/18-1	Lab	LCS, rec	1/18/2018	Metal	Iron	Dissolved	=	94	%	EPA 200.7	-88	-88	85	115	
2017/18-1	000NONPJ	matrix spike	1/16/2018	Metal	Iron	Total	=	1440	µg/L	EPA 200.7	1.1	10			
2017/18-1	000NONPJ	matrix spike, rec	1/16/2018	Metal	Iron	Total	=	112	%	EPA 200.7	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike dup	1/16/2018	Metal	Iron	Total	=	1380	µg/L	EPA 200.7	1.1	10			
2017/18-1	000NONPJ	matrix spike dup, rec	1/16/2018	Metal	Iron	Total	=	85	%	EPA 200.7	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike, RPD	1/16/2018	Metal	Iron	Total	=	4	%	EPA 200.7	-88	-88	0	30	
2017/18-1	000NONPJ	matrix spike	1/16/2018	Metal	Iron	Total	=	3540	µg/L	EPA 200.7	1.1	10			GB
2017/18-1	000NONPJ	matrix spike, rec	1/16/2018	Metal	Iron	Total	=	144	%	EPA 200.7	-88	-88	70	130	GB
2017/18-1	000NONPJ	matrix spike dup	1/16/2018	Metal	Iron	Total	=	3430	µg/L	EPA 200.7	1.1	10			
2017/18-1	000NONPJ	matrix spike dup, rec	1/16/2018	Metal	Iron	Total	=	93	%	EPA 200.7	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike, RPD	1/16/2018	Metal	Iron	Total	=	3	%	EPA 200.7	-88	-88	0	30	
2017/18-1	Lab	method blank	1/16/2018	Metal	Iron	Total	DNQ	3	µg/L	EPA 200.7	1.1	10			IP
2017/18-1	Lab	LCS	1/16/2018	Metal	Iron	Total	=	202	µg/L	EPA 200.7	1.1	10			
2017/18-1	Lab	LCS, rec	1/16/2018	Metal	Iron	Total	=	101	%	EPA 200.7	-88	-88	85	115	
2017/18-1	Lab	method blank	1/18/2018	Metal	Iron	Total	<	1.1	µg/L	EPA 200.7	1.1	10			
2017/18-1	Lab	LCS	1/18/2018	Metal	Iron	Total	=	189	µg/L	EPA 200.7	1.1	10			
2017/18-1	Lab	LCS, rec	1/18/2018	Metal	Iron	Total	=	94	%	EPA 200.7	-88	-88	85	115	
2017/18-1	ME-CC	matrix spike	1/18/2018	Metal	Iron	Total	=	24100	µg/L	EPA 200.7	1.1	10			
2017/18-1	ME-CC	matrix spike, rec	1/18/2018	Metal	Iron	Total	=	88	%	EPA 200.7	-88	-88	70	130	
2017/18-1	ME-CC	matrix spike dup	1/18/2018	Metal	Iron	Total	=	24400	µg/L	EPA 200.7	1.1	10			GB
2017/18-1	ME-CC	matrix spike dup, rec	1/18/2018	Metal	Iron	Total	=	234	%	EPA 200.7	-88	-88	70	130	GB
2017/18-1	ME-CC	matrix spike, RPD	1/18/2018	Metal	Iron	Total	=	1	%	EPA 200.7	-88	-88	0	30	
2017/18-1	MO-MPK	matrix spike	1/18/2018	Metal	Iron	Total	=	32600	µg/L	EPA 200.7	1.1	10			
2017/18-1	MO-MPK	matrix spike, rec	1/18/2018	Metal	Iron	Total	=	95	%	EPA 200.7	-88	-88	70	130	
2017/18-1	MO-MPK	matrix spike dup	1/18/2018	Metal	Iron	Total	=	29000	µg/L	EPA 200.7	1.1	10			GB
2017/18-1	MO-MPK	matrix spike dup, rec	1/18/2018	Metal	Iron	Total	=	-17	%	EPA 200.7	-88	-88	70	130	GB
2017/18-1	MO-MPK	matrix spike, RPD	1/18/2018	Metal	Iron	Total	=	12	%	EPA 200.7	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	Lab	method blank	1/24/2018	Metal	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2			
2017/18-1	Lab	method blank	1/24/2018	Metal	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2			
2017/18-1	Lab	LCS	1/24/2018	Metal	Lead	Dissolved	=	48.1	µg/L	EPA 200.8	0.031	0.2			
2017/18-1	Lab	LCS, rec	1/24/2018	Metal	Lead	Dissolved	=	96	%	EPA 200.8	-88	-88	85	115	
2017/18-1	Lab	method blank	1/25/2018	Metal	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2			
2017/18-1	Lab	LCS	1/25/2018	Metal	Lead	Dissolved	=	48.1	µg/L	EPA 200.8	0.031	0.2			
2017/18-1	Lab	LCS, rec	1/25/2018	Metal	Lead	Dissolved	=	96	%	EPA 200.8	-88	-88	85	115	
2017/18-1	Lab	method blank	1/24/2018	Metal	Lead	Total	<	0.031	µg/L	EPA 200.8	0.031	0.2			
2017/18-1	Lab	LCS	1/24/2018	Metal	Lead	Total	=	48.1	µg/L	EPA 200.8	0.031	0.2			
2017/18-1	Lab	LCS, rec	1/24/2018	Metal	Lead	Total	=	96	%	EPA 200.8	-88	-88	85	115	
2017/18-1	Lab	method blank	1/25/2018	Metal	Lead	Total	<	0.031	µg/L	EPA 200.8	0.031	0.2			
2017/18-1	Lab	LCS	1/25/2018	Metal	Lead	Total	=	48.1	µg/L	EPA 200.8	0.031	0.2			
2017/18-1	Lab	LCS, rec	1/25/2018	Metal	Lead	Total	=	96	%	EPA 200.8	-88	-88	85	115	
2017/18-1	ME-SCR	matrix spike	1/24/2018	Metal	Lead	Total	=	45.7	µg/L	EPA 200.8	0.031	0.2			
2017/18-1	ME-SCR	matrix spike, rec	1/24/2018	Metal	Lead	Total	=	91	%	EPA 200.8	-88	-88	70	130	
2017/18-1	ME-SCR	matrix spike dup	1/24/2018	Metal	Lead	Total	=	46.5	µg/L	EPA 200.8	0.031	0.2			
2017/18-1	ME-SCR	matrix spike dup, rec	1/24/2018	Metal	Lead	Total	=	92	%	EPA 200.8	-88	-88	70	130	
2017/18-1	ME-SCR	matrix spike, RPD	1/24/2018	Metal	Lead	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2017/18-1	MO-HUE	matrix spike	1/24/2018	Metal	Lead	Total	=	46.3	µg/L	EPA 200.8	0.031	0.2			
2017/18-1	MO-HUE	matrix spike, rec	1/24/2018	Metal	Lead	Total	=	91	%	EPA 200.8	-88	-88	70	130	
2017/18-1	MO-HUE	matrix spike dup	1/24/2018	Metal	Lead	Total	=	46.9	µg/L	EPA 200.8	0.031	0.2			
2017/18-1	MO-HUE	matrix spike dup, rec	1/24/2018	Metal	Lead	Total	=	92	%	EPA 200.8	-88	-88	70	130	
2017/18-1	MO-HUE	matrix spike, RPD	1/24/2018	Metal	Lead	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2017/18-1	MO-MEI	matrix spike	1/25/2018	Metal	Lead	Total	=	52.3	µg/L	EPA 200.8	0.031	0.2			
2017/18-1	MO-MEI	matrix spike, rec	1/25/2018	Metal	Lead	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2017/18-1	MO-MEI	matrix spike dup	1/25/2018	Metal	Lead	Total	=	54.2	µg/L	EPA 200.8	0.031	0.2			
2017/18-1	MO-MEI	matrix spike dup, rec	1/25/2018	Metal	Lead	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2017/18-1	MO-MEI	matrix spike, RPD	1/25/2018	Metal	Lead	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2017/18-1	MO-THO	matrix spike	1/25/2018	Metal	Lead	Total	=	57.8	µg/L	EPA 200.8	0.031	0.2			
2017/18-1	MO-THO	matrix spike, rec	1/25/2018	Metal	Lead	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2017/18-1	MO-THO	matrix spike dup	1/25/2018	Metal	Lead	Total	=	58	µg/L	EPA 200.8	0.031	0.2			
2017/18-1	MO-THO	matrix spike dup, rec	1/25/2018	Metal	Lead	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2017/18-1	MO-THO	matrix spike, RPD	1/25/2018	Metal	Lead	Total	=	0.3	%	EPA 200.8	-88	-88	0	30	
2017/18-1	Lab	method blank	1/18/2018	Metal	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50			
2017/18-1	Lab	method blank	1/23/2018	Metal	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50			
2017/18-1	Lab	method blank	1/23/2018	Metal	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50			
2017/18-1	Lab	LCS	1/23/2018	Metal	Mercury	Dissolved	=	1070	ng/L	EPA 245.1	17	50			
2017/18-1	Lab	LCS, rec	1/23/2018	Metal	Mercury	Dissolved	=	107	%	EPA 245.1	-88	-88	85	115	
2017/18-1	000NONPJ	matrix spike	1/23/2018	Metal	Mercury	Total	=	953	ng/L	EPA 245.1	17	50			
2017/18-1	000NONPJ	matrix spike, rec	1/23/2018	Metal	Mercury	Total	=	95	%	EPA 245.1	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike dup	1/23/2018	Metal	Mercury	Total	=	938	ng/L	EPA 245.1	17	50			
2017/18-1	000NONPJ	matrix spike dup, rec	1/23/2018	Metal	Mercury	Total	=	94	%	EPA 245.1	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike, RPD	1/23/2018	Metal	Mercury	Total	=	2	%	EPA 245.1	-88	-88	0	20	
2017/18-1	000NONPJ	matrix spike	1/23/2018	Metal	Mercury	Total	=	987	ng/L	EPA 245.1	17	50			
2017/18-1	000NONPJ	matrix spike, rec	1/23/2018	Metal	Mercury	Total	=	96	%	EPA 245.1	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike dup	1/23/2018	Metal	Mercury	Total	=	977	ng/L	EPA 245.1	17	50			
2017/18-1	000NONPJ	matrix spike dup, rec	1/23/2018	Metal	Mercury	Total	=	95	%	EPA 245.1	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	000NONPJ	matrix spike, RPD	1/23/2018	Metal	Mercury	Total	=	1	%	EPA 245.1	-88	-88	0	20	
2017/18-1	Lab	method blank	1/18/2018	Metal	Mercury	Total	<	17	ng/L	EPA 245.1	17	50			
2017/18-1	Lab	LCS	1/18/2018	Metal	Mercury	Total	=	1030	ng/L	EPA 245.1	17	50			
2017/18-1	Lab	LCS, rec	1/18/2018	Metal	Mercury	Total	=	103	%	EPA 245.1	-88	-88	85	115	
2017/18-1	Lab	method blank	1/23/2018	Metal	Mercury	Total	<	17	ng/L	EPA 245.1	17	50			
2017/18-1	Lab	LCS	1/23/2018	Metal	Mercury	Total	=	1070	ng/L	EPA 245.1	17	50			
2017/18-1	Lab	LCS, rec	1/23/2018	Metal	Mercury	Total	=	107	%	EPA 245.1	-88	-88	85	115	
2017/18-1	MO-CAM	matrix spike	1/18/2018	Metal	Mercury	Total	=	839	ng/L	EPA 245.1	17	50			
2017/18-1	MO-CAM	matrix spike, rec	1/18/2018	Metal	Mercury	Total	=	81	%	EPA 245.1	-88	-88	70	130	
2017/18-1	MO-CAM	matrix spike dup	1/18/2018	Metal	Mercury	Total	=	869	ng/L	EPA 245.1	17	50			
2017/18-1	MO-CAM	matrix spike dup, rec	1/18/2018	Metal	Mercury	Total	=	84	%	EPA 245.1	-88	-88	70	130	
2017/18-1	MO-CAM	matrix spike, RPD	1/18/2018	Metal	Mercury	Total	=	4	%	EPA 245.1	-88	-88	0	20	
2017/18-1	MO-SIM	matrix spike	1/18/2018	Metal	Mercury	Total	=	1010	ng/L	EPA 245.1	17	50			
2017/18-1	MO-SIM	matrix spike, rec	1/18/2018	Metal	Mercury	Total	=	97	%	EPA 245.1	-88	-88	70	130	
2017/18-1	MO-SIM	matrix spike dup	1/18/2018	Metal	Mercury	Total	=	996	ng/L	EPA 245.1	17	50			
2017/18-1	MO-SIM	matrix spike dup, rec	1/18/2018	Metal	Mercury	Total	=	96	%	EPA 245.1	-88	-88	70	130	
2017/18-1	MO-SIM	matrix spike, RPD	1/18/2018	Metal	Mercury	Total	=	1	%	EPA 245.1	-88	-88	0	20	
2017/18-1	Lab	method blank	1/24/2018	Metal	Nickel	Dissolved	<	0.045	µg/L	EPA 200.8	0.045	0.8			
2017/18-1	Lab	method blank	1/24/2018	Metal	Nickel	Dissolved	<	0.045	µg/L	EPA 200.8	0.045	0.8			
2017/18-1	Lab	LCS	1/24/2018	Metal	Nickel	Dissolved	=	50.1	µg/L	EPA 200.8	0.045	0.8			
2017/18-1	Lab	LCS, rec	1/24/2018	Metal	Nickel	Dissolved	=	100	%	EPA 200.8	-88	-88	85	115	
2017/18-1	Lab	method blank	1/25/2018	Metal	Nickel	Dissolved	<	0.045	µg/L	EPA 200.8	0.045	0.8			
2017/18-1	Lab	LCS	1/25/2018	Metal	Nickel	Dissolved	=	46.6	µg/L	EPA 200.8	0.045	0.8			
2017/18-1	Lab	LCS, rec	1/25/2018	Metal	Nickel	Dissolved	=	93	%	EPA 200.8	-88	-88	85	115	
2017/18-1	Lab	method blank	1/24/2018	Metal	Nickel	Total	<	0.045	µg/L	EPA 200.8	0.045	0.8			
2017/18-1	Lab	LCS	1/24/2018	Metal	Nickel	Total	=	50.1	µg/L	EPA 200.8	0.045	0.8			
2017/18-1	Lab	LCS, rec	1/24/2018	Metal	Nickel	Total	=	100	%	EPA 200.8	-88	-88	85	115	
2017/18-1	Lab	method blank	1/25/2018	Metal	Nickel	Total	<	0.045	µg/L	EPA 200.8	0.045	0.8			
2017/18-1	Lab	LCS	1/25/2018	Metal	Nickel	Total	=	46.6	µg/L	EPA 200.8	0.045	0.8			
2017/18-1	Lab	LCS, rec	1/25/2018	Metal	Nickel	Total	=	93	%	EPA 200.8	-88	-88	85	115	
2017/18-1	ME-SCR	matrix spike	1/24/2018	Metal	Nickel	Total	=	50.6	µg/L	EPA 200.8	0.045	0.8			
2017/18-1	ME-SCR	matrix spike, rec	1/24/2018	Metal	Nickel	Total	=	90	%	EPA 200.8	-88	-88	70	130	
2017/18-1	ME-SCR	matrix spike dup	1/24/2018	Metal	Nickel	Total	=	50.9	µg/L	EPA 200.8	0.045	0.8			
2017/18-1	ME-SCR	matrix spike dup, rec	1/24/2018	Metal	Nickel	Total	=	90	%	EPA 200.8	-88	-88	70	130	
2017/18-1	ME-SCR	matrix spike, RPD	1/24/2018	Metal	Nickel	Total	=	0.5	%	EPA 200.8	-88	-88	0	30	
2017/18-1	MO-HUE	matrix spike	1/24/2018	Metal	Nickel	Total	=	49.9	µg/L	EPA 200.8	0.045	0.8			
2017/18-1	MO-HUE	matrix spike, rec	1/24/2018	Metal	Nickel	Total	=	92	%	EPA 200.8	-88	-88	70	130	
2017/18-1	MO-HUE	matrix spike dup	1/24/2018	Metal	Nickel	Total	=	50.4	µg/L	EPA 200.8	0.045	0.8			
2017/18-1	MO-HUE	matrix spike dup, rec	1/24/2018	Metal	Nickel	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2017/18-1	MO-HUE	matrix spike, RPD	1/24/2018	Metal	Nickel	Total	=	0.8	%	EPA 200.8	-88	-88	0	30	
2017/18-1	MO-MEI	matrix spike	1/25/2018	Metal	Nickel	Total	=	57.2	µg/L	EPA 200.8	0.045	0.8			
2017/18-1	MO-MEI	matrix spike, rec	1/25/2018	Metal	Nickel	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2017/18-1	MO-MEI	matrix spike dup	1/25/2018	Metal	Nickel	Total	=	59.3	µg/L	EPA 200.8	0.045	0.8			
2017/18-1	MO-MEI	matrix spike dup, rec	1/25/2018	Metal	Nickel	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2017/18-1	MO-MEI	matrix spike, RPD	1/25/2018	Metal	Nickel	Total	=	4	%	EPA 200.8	-88	-88	0	30	
2017/18-1	MO-THO	matrix spike	1/25/2018	Metal	Nickel	Total	=	89.5	µg/L	EPA 200.8	0.045	0.8			
2017/18-1	MO-THO	matrix spike, rec	1/25/2018	Metal	Nickel	Total	=	96	%	EPA 200.8	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	MO-THO	matrix spike dup	1/25/2018	Metal	Nickel	Total	=	86	µg/L	EPA 200.8	0.045	0.8			
2017/18-1	MO-THO	matrix spike dup, rec	1/25/2018	Metal	Nickel	Total	=	89	%	EPA 200.8	-88	-88	70	130	
2017/18-1	MO-THO	matrix spike, RPD	1/25/2018	Metal	Nickel	Total	=	4	%	EPA 200.8	-88	-88	0	30	
2017/18-1	Lab	method blank	1/24/2018	Metal	Selenium	Dissolved	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2017/18-1	Lab	method blank	1/24/2018	Metal	Selenium	Dissolved	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2017/18-1	Lab	LCS	1/24/2018	Metal	Selenium	Dissolved	=	49.2	µg/L	EPA 200.8	0.14	0.4			
2017/18-1	Lab	LCS, rec	1/24/2018	Metal	Selenium	Dissolved	=	98	%	EPA 200.8	-88	-88	85	115	
2017/18-1	Lab	method blank	1/25/2018	Metal	Selenium	Dissolved	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2017/18-1	Lab	LCS	1/25/2018	Metal	Selenium	Dissolved	=	49	µg/L	EPA 200.8	0.14	0.4			
2017/18-1	Lab	LCS, rec	1/25/2018	Metal	Selenium	Dissolved	=	98	%	EPA 200.8	-88	-88	85	115	
2017/18-1	Lab	method blank	1/24/2018	Metal	Selenium	Total	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2017/18-1	Lab	LCS	1/24/2018	Metal	Selenium	Total	=	49.2	µg/L	EPA 200.8	0.14	0.4			
2017/18-1	Lab	LCS, rec	1/24/2018	Metal	Selenium	Total	=	98	%	EPA 200.8	-88	-88	85	115	
2017/18-1	Lab	method blank	1/25/2018	Metal	Selenium	Total	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2017/18-1	Lab	LCS	1/25/2018	Metal	Selenium	Total	=	49	µg/L	EPA 200.8	0.14	0.4			
2017/18-1	Lab	LCS, rec	1/25/2018	Metal	Selenium	Total	=	98	%	EPA 200.8	-88	-88	85	115	
2017/18-1	ME-SCR	matrix spike	1/24/2018	Metal	Selenium	Total	=	54.4	µg/L	EPA 200.8	0.14	0.4			
2017/18-1	ME-SCR	matrix spike, rec	1/24/2018	Metal	Selenium	Total	=	106	%	EPA 200.8	-88	-88	70	130	
2017/18-1	ME-SCR	matrix spike dup	1/24/2018	Metal	Selenium	Total	=	54.7	µg/L	EPA 200.8	0.14	0.4			
2017/18-1	ME-SCR	matrix spike dup, rec	1/24/2018	Metal	Selenium	Total	=	107	%	EPA 200.8	-88	-88	70	130	
2017/18-1	ME-SCR	matrix spike, RPD	1/24/2018	Metal	Selenium	Total	=	0.4	%	EPA 200.8	-88	-88	0	30	
2017/18-1	MO-HUE	matrix spike	1/24/2018	Metal	Selenium	Total	=	48.5	µg/L	EPA 200.8	0.14	0.4			
2017/18-1	MO-HUE	matrix spike, rec	1/24/2018	Metal	Selenium	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2017/18-1	MO-HUE	matrix spike dup	1/24/2018	Metal	Selenium	Total	=	48.5	µg/L	EPA 200.8	0.14	0.4			
2017/18-1	MO-HUE	matrix spike dup, rec	1/24/2018	Metal	Selenium	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2017/18-1	MO-HUE	matrix spike, RPD	1/24/2018	Metal	Selenium	Total	=	0.04	%	EPA 200.8	-88	-88	0	30	
2017/18-1	MO-MEI	matrix spike	1/25/2018	Metal	Selenium	Total	=	46.6	µg/L	EPA 200.8	0.14	0.4			
2017/18-1	MO-MEI	matrix spike, rec	1/25/2018	Metal	Selenium	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2017/18-1	MO-MEI	matrix spike dup	1/25/2018	Metal	Selenium	Total	=	48.8	µg/L	EPA 200.8	0.14	0.4			
2017/18-1	MO-MEI	matrix spike dup, rec	1/25/2018	Metal	Selenium	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2017/18-1	MO-MEI	matrix spike, RPD	1/25/2018	Metal	Selenium	Total	=	5	%	EPA 200.8	-88	-88	0	30	
2017/18-1	MO-THO	matrix spike	1/25/2018	Metal	Selenium	Total	=	46.4	µg/L	EPA 200.8	0.14	0.4			
2017/18-1	MO-THO	matrix spike, rec	1/25/2018	Metal	Selenium	Total	=	89	%	EPA 200.8	-88	-88	70	130	
2017/18-1	MO-THO	matrix spike dup	1/25/2018	Metal	Selenium	Total	=	47.7	µg/L	EPA 200.8	0.14	0.4			
2017/18-1	MO-THO	matrix spike dup, rec	1/25/2018	Metal	Selenium	Total	=	91	%	EPA 200.8	-88	-88	70	130	
2017/18-1	MO-THO	matrix spike, RPD	1/25/2018	Metal	Selenium	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2017/18-1	Lab	method blank	1/24/2018	Metal	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2			
2017/18-1	Lab	method blank	1/24/2018	Metal	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2			
2017/18-1	Lab	LCS	1/24/2018	Metal	Silver	Dissolved	=	47.1	µg/L	EPA 200.8	0.062	0.2			
2017/18-1	Lab	LCS, rec	1/24/2018	Metal	Silver	Dissolved	=	94	%	EPA 200.8	-88	-88	85	115	
2017/18-1	Lab	method blank	1/25/2018	Metal	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2			
2017/18-1	Lab	LCS	1/25/2018	Metal	Silver	Dissolved	=	47.5	µg/L	EPA 200.8	0.062	0.2			
2017/18-1	Lab	LCS, rec	1/25/2018	Metal	Silver	Dissolved	=	95	%	EPA 200.8	-88	-88	85	115	
2017/18-1	Lab	method blank	1/24/2018	Metal	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2			
2017/18-1	Lab	LCS	1/24/2018	Metal	Silver	Total	=	47.1	µg/L	EPA 200.8	0.062	0.2			
2017/18-1	Lab	LCS, rec	1/24/2018	Metal	Silver	Total	=	94	%	EPA 200.8	-88	-88	85	115	
2017/18-1	Lab	method blank	1/25/2018	Metal	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	Lab	LCS	1/25/2018	Metal	Silver	Total	=	47.5	µg/L	EPA 200.8	0.062	0.2			
2017/18-1	Lab	LCS, rec	1/25/2018	Metal	Silver	Total	=	95	%	EPA 200.8	-88	-88	85	115	
2017/18-1	ME-SCR	matrix spike	1/24/2018	Metal	Silver	Total	=	43.6	µg/L	EPA 200.8	0.062	0.2			
2017/18-1	ME-SCR	matrix spike, rec	1/24/2018	Metal	Silver	Total	=	87	%	EPA 200.8	-88	-88	70	130	
2017/18-1	ME-SCR	matrix spike dup	1/24/2018	Metal	Silver	Total	=	45.9	µg/L	EPA 200.8	0.062	0.2			
2017/18-1	ME-SCR	matrix spike dup, rec	1/24/2018	Metal	Silver	Total	=	92	%	EPA 200.8	-88	-88	70	130	
2017/18-1	ME-SCR	matrix spike, RPD	1/24/2018	Metal	Silver	Total	=	5	%	EPA 200.8	-88	-88	0	30	
2017/18-1	MO-HUE	matrix spike	1/24/2018	Metal	Silver	Total	=	46.2	µg/L	EPA 200.8	0.062	0.2			
2017/18-1	MO-HUE	matrix spike, rec	1/24/2018	Metal	Silver	Total	=	92	%	EPA 200.8	-88	-88	70	130	
2017/18-1	MO-HUE	matrix spike dup	1/24/2018	Metal	Silver	Total	=	45.7	µg/L	EPA 200.8	0.062	0.2			
2017/18-1	MO-HUE	matrix spike dup, rec	1/24/2018	Metal	Silver	Total	=	91	%	EPA 200.8	-88	-88	70	130	
2017/18-1	MO-HUE	matrix spike, RPD	1/24/2018	Metal	Silver	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2017/18-1	MO-MEI	matrix spike	1/25/2018	Metal	Silver	Total	=	46.1	µg/L	EPA 200.8	0.062	0.2			
2017/18-1	MO-MEI	matrix spike, rec	1/25/2018	Metal	Silver	Total	=	92	%	EPA 200.8	-88	-88	70	130	
2017/18-1	MO-MEI	matrix spike dup	1/25/2018	Metal	Silver	Total	=	47.2	µg/L	EPA 200.8	0.062	0.2			
2017/18-1	MO-MEI	matrix spike dup, rec	1/25/2018	Metal	Silver	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2017/18-1	MO-MEI	matrix spike, RPD	1/25/2018	Metal	Silver	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2017/18-1	MO-THO	matrix spike	1/25/2018	Metal	Silver	Total	=	45.4	µg/L	EPA 200.8	0.062	0.2			
2017/18-1	MO-THO	matrix spike, rec	1/25/2018	Metal	Silver	Total	=	91	%	EPA 200.8	-88	-88	70	130	
2017/18-1	MO-THO	matrix spike dup	1/25/2018	Metal	Silver	Total	=	45.4	µg/L	EPA 200.8	0.062	0.2			
2017/18-1	MO-THO	matrix spike dup, rec	1/25/2018	Metal	Silver	Total	=	90	%	EPA 200.8	-88	-88	70	130	
2017/18-1	MO-THO	matrix spike, RPD	1/25/2018	Metal	Silver	Total	=	0.1	%	EPA 200.8	-88	-88	0	30	
2017/18-1	Lab	method blank	1/24/2018	Metal	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2017/18-1	Lab	method blank	1/24/2018	Metal	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2017/18-1	Lab	LCS	1/24/2018	Metal	Thallium	Dissolved	=	46.3	µg/L	EPA 200.8	0.014	0.2			
2017/18-1	Lab	LCS, rec	1/24/2018	Metal	Thallium	Dissolved	=	93	%	EPA 200.8	-88	-88	85	115	
2017/18-1	Lab	method blank	1/25/2018	Metal	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2017/18-1	Lab	LCS	1/25/2018	Metal	Thallium	Dissolved	=	48.4	µg/L	EPA 200.8	0.014	0.2			
2017/18-1	Lab	LCS, rec	1/25/2018	Metal	Thallium	Dissolved	=	97	%	EPA 200.8	-88	-88	85	115	
2017/18-1	Lab	method blank	1/24/2018	Metal	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2017/18-1	Lab	LCS	1/24/2018	Metal	Thallium	Total	=	46.3	µg/L	EPA 200.8	0.014	0.2			
2017/18-1	Lab	LCS, rec	1/24/2018	Metal	Thallium	Total	=	93	%	EPA 200.8	-88	-88	85	115	
2017/18-1	Lab	method blank	1/25/2018	Metal	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2017/18-1	Lab	LCS	1/25/2018	Metal	Thallium	Total	=	48.4	µg/L	EPA 200.8	0.014	0.2			
2017/18-1	Lab	LCS, rec	1/25/2018	Metal	Thallium	Total	=	97	%	EPA 200.8	-88	-88	85	115	
2017/18-1	ME-SCR	matrix spike	1/24/2018	Metal	Thallium	Total	=	44.3	µg/L	EPA 200.8	0.014	0.2			
2017/18-1	ME-SCR	matrix spike, rec	1/24/2018	Metal	Thallium	Total	=	89	%	EPA 200.8	-88	-88	70	130	
2017/18-1	ME-SCR	matrix spike dup	1/24/2018	Metal	Thallium	Total	=	44.8	µg/L	EPA 200.8	0.014	0.2			
2017/18-1	ME-SCR	matrix spike dup, rec	1/24/2018	Metal	Thallium	Total	=	90	%	EPA 200.8	-88	-88	70	130	
2017/18-1	ME-SCR	matrix spike, RPD	1/24/2018	Metal	Thallium	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2017/18-1	MO-HUE	matrix spike	1/24/2018	Metal	Thallium	Total	=	44.1	µg/L	EPA 200.8	0.014	0.2			
2017/18-1	MO-HUE	matrix spike, rec	1/24/2018	Metal	Thallium	Total	=	88	%	EPA 200.8	-88	-88	70	130	
2017/18-1	MO-HUE	matrix spike dup	1/24/2018	Metal	Thallium	Total	=	44.9	µg/L	EPA 200.8	0.014	0.2			
2017/18-1	MO-HUE	matrix spike dup, rec	1/24/2018	Metal	Thallium	Total	=	90	%	EPA 200.8	-88	-88	70	130	
2017/18-1	MO-HUE	matrix spike, RPD	1/24/2018	Metal	Thallium	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2017/18-1	MO-MEI	matrix spike	1/25/2018	Metal	Thallium	Total	=	48.2	µg/L	EPA 200.8	0.014	0.2			
2017/18-1	MO-MEI	matrix spike, rec	1/25/2018	Metal	Thallium	Total	=	96	%	EPA 200.8	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	MO-MEI	matrix spike dup	1/25/2018	Metal	Thallium	Total	=	50.4	µg/L	EPA 200.8	0.014	0.2			
2017/18-1	MO-MEI	matrix spike dup, rec	1/25/2018	Metal	Thallium	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2017/18-1	MO-MEI	matrix spike, RPD	1/25/2018	Metal	Thallium	Total	=	5	%	EPA 200.8	-88	-88	0	30	
2017/18-1	MO-THO	matrix spike	1/25/2018	Metal	Thallium	Total	=	47.7	µg/L	EPA 200.8	0.014	0.2			
2017/18-1	MO-THO	matrix spike, rec	1/25/2018	Metal	Thallium	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2017/18-1	MO-THO	matrix spike dup	1/25/2018	Metal	Thallium	Total	=	48.2	µg/L	EPA 200.8	0.014	0.2			
2017/18-1	MO-THO	matrix spike dup, rec	1/25/2018	Metal	Thallium	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2017/18-1	MO-THO	matrix spike, RPD	1/25/2018	Metal	Thallium	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2017/18-1	Lab	method blank	1/24/2018	Metal	Zinc	Dissolved	<	0.94	µg/L	EPA 200.8	0.94	5			
2017/18-1	Lab	method blank	1/24/2018	Metal	Zinc	Dissolved	<	0.94	µg/L	EPA 200.8	0.94	5			
2017/18-1	Lab	LCS	1/24/2018	Metal	Zinc	Dissolved	=	52.9	µg/L	EPA 200.8	0.94	5			
2017/18-1	Lab	LCS, rec	1/24/2018	Metal	Zinc	Dissolved	=	106	%	EPA 200.8	-88	-88	85	115	
2017/18-1	Lab	method blank	1/25/2018	Metal	Zinc	Dissolved	<	0.94	µg/L	EPA 200.8	0.94	5			
2017/18-1	Lab	LCS	1/25/2018	Metal	Zinc	Dissolved	=	48.1	µg/L	EPA 200.8	0.94	5			
2017/18-1	Lab	LCS, rec	1/25/2018	Metal	Zinc	Dissolved	=	96	%	EPA 200.8	-88	-88	85	115	
2017/18-1	Lab	method blank	1/24/2018	Metal	Zinc	Total	<	0.94	µg/L	EPA 200.8	0.94	5			
2017/18-1	Lab	LCS	1/24/2018	Metal	Zinc	Total	=	52.9	µg/L	EPA 200.8	0.94	5			
2017/18-1	Lab	LCS, rec	1/24/2018	Metal	Zinc	Total	=	106	%	EPA 200.8	-88	-88	85	115	
2017/18-1	Lab	method blank	1/25/2018	Metal	Zinc	Total	<	0.94	µg/L	EPA 200.8	0.94	5			
2017/18-1	Lab	LCS	1/25/2018	Metal	Zinc	Total	=	48.1	µg/L	EPA 200.8	0.94	5			
2017/18-1	Lab	LCS, rec	1/25/2018	Metal	Zinc	Total	=	96	%	EPA 200.8	-88	-88	85	115	
2017/18-1	ME-SCR	matrix spike	1/24/2018	Metal	Zinc	Total	=	47.2	µg/L	EPA 200.8	0.94	5			
2017/18-1	ME-SCR	matrix spike, rec	1/24/2018	Metal	Zinc	Total	=	89	%	EPA 200.8	-88	-88	70	130	
2017/18-1	ME-SCR	matrix spike dup	1/24/2018	Metal	Zinc	Total	=	47.4	µg/L	EPA 200.8	0.94	5			
2017/18-1	ME-SCR	matrix spike dup, rec	1/24/2018	Metal	Zinc	Total	=	89	%	EPA 200.8	-88	-88	70	130	
2017/18-1	ME-SCR	matrix spike, RPD	1/24/2018	Metal	Zinc	Total	=	0.4	%	EPA 200.8	-88	-88	0	30	
2017/18-1	MO-HUE	matrix spike	1/24/2018	Metal	Zinc	Total	=	86.9	µg/L	EPA 200.8	0.94	5			
2017/18-1	MO-HUE	matrix spike, rec	1/24/2018	Metal	Zinc	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2017/18-1	MO-HUE	matrix spike dup	1/24/2018	Metal	Zinc	Total	=	87.3	µg/L	EPA 200.8	0.94	5			
2017/18-1	MO-HUE	matrix spike dup, rec	1/24/2018	Metal	Zinc	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2017/18-1	MO-HUE	matrix spike, RPD	1/24/2018	Metal	Zinc	Total	=	0.5	%	EPA 200.8	-88	-88	0	30	
2017/18-1	MO-MEI	matrix spike	1/25/2018	Metal	Zinc	Total	=	105	µg/L	EPA 200.8	0.94	5			
2017/18-1	MO-MEI	matrix spike, rec	1/25/2018	Metal	Zinc	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2017/18-1	MO-MEI	matrix spike dup	1/25/2018	Metal	Zinc	Total	=	107	µg/L	EPA 200.8	0.94	5			
2017/18-1	MO-MEI	matrix spike dup, rec	1/25/2018	Metal	Zinc	Total	=	103	%	EPA 200.8	-88	-88	70	130	
2017/18-1	MO-MEI	matrix spike, RPD	1/25/2018	Metal	Zinc	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2017/18-1	MO-THO	matrix spike	1/25/2018	Metal	Zinc	Total	=	209	µg/L	EPA 200.8	0.94	5			
2017/18-1	MO-THO	matrix spike, rec	1/25/2018	Metal	Zinc	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2017/18-1	MO-THO	matrix spike dup	1/25/2018	Metal	Zinc	Total	=	205	µg/L	EPA 200.8	0.94	5			
2017/18-1	MO-THO	matrix spike dup, rec	1/25/2018	Metal	Zinc	Total	=	86	%	EPA 200.8	-88	-88	70	130	
2017/18-1	MO-THO	matrix spike, RPD	1/25/2018	Metal	Zinc	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2017/18-1	000NONPJ	matrix spike	1/13/2018	Nutrient	Ammonia as N	n/a	=	0.253	mg/L	EPA 350.1	0.048	0.1			
2017/18-1	000NONPJ	matrix spike	1/13/2018	Nutrient	Ammonia as N	n/a	=	0.251	mg/L	EPA 350.1	0.048	0.1			
2017/18-1	000NONPJ	matrix spike dup	1/13/2018	Nutrient	Ammonia as N	n/a	=	0.25	mg/L	EPA 350.1	0.048	0.1			
2017/18-1	000NONPJ	matrix spike dup	1/13/2018	Nutrient	Ammonia as N	n/a	=	0.25	mg/L	EPA 350.1	0.048	0.1			
2017/18-1	000NONPJ	matrix spike dup, rec	1/13/2018	Nutrient	Ammonia as N	n/a	=	100	%	EPA 350.1	-88	-88	90	110	
2017/18-1	000NONPJ	matrix spike dup, rec	1/13/2018	Nutrient	Ammonia as N	n/a	=	100	%	EPA 350.1	-88	-88	90	110	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	000NONPJ	matrix spike, rec	1/13/2018	Nutrient	Ammonia as N	n/a	=	101	%	EPA 350.1	-88	-88	90	110	
2017/18-1	000NONPJ	matrix spike, rec	1/13/2018	Nutrient	Ammonia as N	n/a	=	101	%	EPA 350.1	-88	-88	90	110	
2017/18-1	000NONPJ	matrix spike, RPD	1/13/2018	Nutrient	Ammonia as N	n/a	=	0.3	%	EPA 350.1	-88	-88	0	15	
2017/18-1	000NONPJ	matrix spike, RPD	1/13/2018	Nutrient	Ammonia as N	n/a	=	1	%	EPA 350.1	-88	-88	0	15	
2017/18-1	Lab	LCS	1/13/2018	Nutrient	Ammonia as N	n/a	=	0.257	mg/L	EPA 350.1	0.048	0.1			
2017/18-1	Lab	LCS	1/13/2018	Nutrient	Ammonia as N	n/a	=	0.256	mg/L	EPA 350.1	0.048	0.1			
2017/18-1	Lab	LCS dup	1/13/2018	Nutrient	Ammonia as N	n/a	=	0.259	mg/L	EPA 350.1	0.048	0.1			
2017/18-1	Lab	LCS dup, rec	1/13/2018	Nutrient	Ammonia as N	n/a	=	103	%	EPA 350.1	-88	-88	90	110	
2017/18-1	Lab	LCS, rec	1/13/2018	Nutrient	Ammonia as N	n/a	=	103	%	EPA 350.1	-88	-88	90	110	
2017/18-1	Lab	LCS, rec	1/13/2018	Nutrient	Ammonia as N	n/a	=	103	%	EPA 350.1	-88	-88	90	110	
2017/18-1	Lab	LCS, RPD	1/13/2018	Nutrient	Ammonia as N	n/a	=	0.9	%	EPA 350.1	-88	-88	0	15	
2017/18-1	Lab	method blank	1/13/2018	Nutrient	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1			
2017/18-1	Lab	method blank	1/13/2018	Nutrient	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1			
2017/18-1	Lab	LCS	1/19/2018	Nutrient	Ammonia as N	n/a	=	0.244	mg/L	EPA 350.1	0.048	0.1			
2017/18-1	Lab	LCS	1/19/2018	Nutrient	Ammonia as N	n/a	=	0.248	mg/L	EPA 350.1	0.048	0.1			
2017/18-1	Lab	LCS, rec	1/19/2018	Nutrient	Ammonia as N	n/a	=	99	%	EPA 350.1	-88	-88	90	110	
2017/18-1	Lab	LCS, rec	1/19/2018	Nutrient	Ammonia as N	n/a	=	98	%	EPA 350.1	-88	-88	90	110	
2017/18-1	Lab	method blank	1/19/2018	Nutrient	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1			
2017/18-1	Lab	method blank	1/19/2018	Nutrient	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1			
2017/18-1	ME-SCR	matrix spike	1/19/2018	Nutrient	Ammonia as N	n/a	=	0.246	mg/L	EPA 350.1	0.048	0.1			
2017/18-1	ME-SCR	matrix spike dup	1/19/2018	Nutrient	Ammonia as N	n/a	=	0.244	mg/L	EPA 350.1	0.048	0.1			
2017/18-1	ME-SCR	matrix spike dup, rec	1/19/2018	Nutrient	Ammonia as N	n/a	=	98	%	EPA 350.1	-88	-88	90	110	
2017/18-1	ME-SCR	matrix spike, rec	1/19/2018	Nutrient	Ammonia as N	n/a	=	98	%	EPA 350.1	-88	-88	90	110	
2017/18-1	ME-SCR	matrix spike, RPD	1/19/2018	Nutrient	Ammonia as N	n/a	=	0.5	%	EPA 350.1	-88	-88	0	15	
2017/18-1	MO-HUE	matrix spike	1/19/2018	Nutrient	Ammonia as N	n/a	=	1.17	mg/L	EPA 350.1	0.048	0.1			
2017/18-1	MO-HUE	matrix spike dup	1/19/2018	Nutrient	Ammonia as N	n/a	=	1.17	mg/L	EPA 350.1	0.048	0.1			
2017/18-1	MO-HUE	matrix spike dup, rec	1/19/2018	Nutrient	Ammonia as N	n/a	=	94	%	EPA 350.1	-88	-88	90	110	
2017/18-1	MO-HUE	matrix spike, rec	1/19/2018	Nutrient	Ammonia as N	n/a	=	93	%	EPA 350.1	-88	-88	90	110	
2017/18-1	MO-HUE	matrix spike, RPD	1/19/2018	Nutrient	Ammonia as N	n/a	=	0.2	%	EPA 350.1	-88	-88	0	15	
2017/18-1	000NONPJ	matrix spike	1/11/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	2.44	mg/L	EPA 353.2	0.083	0.2			
2017/18-1	000NONPJ	matrix spike, rec	1/11/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	106	%	EPA 353.2	-88	-88	90	110	
2017/18-1	000NONPJ	matrix spike dup	1/11/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	2.44	mg/L	EPA 353.2	0.083	0.2			
2017/18-1	000NONPJ	matrix spike dup, rec	1/11/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	106	%	EPA 353.2	-88	-88	90	110	
2017/18-1	000NONPJ	matrix spike, RPD	1/11/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	0	%	EPA 353.2	-88	-88	0	20	
2017/18-1	000NONPJ	matrix spike	1/11/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	6.06	mg/L	EPA 353.2	0.083	0.2			
2017/18-1	000NONPJ	matrix spike, rec	1/11/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	93	%	EPA 353.2	-88	-88	90	110	
2017/18-1	000NONPJ	matrix spike dup	1/11/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	6.05	mg/L	EPA 353.2	0.083	0.2			
2017/18-1	000NONPJ	matrix spike dup, rec	1/11/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	93	%	EPA 353.2	-88	-88	90	110	
2017/18-1	000NONPJ	matrix spike, RPD	1/11/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	0.2	%	EPA 353.2	-88	-88	0	20	
2017/18-1	000NONPJ	matrix spike	1/11/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	10.7	mg/L	EPA 353.2	0.17	0.4			
2017/18-1	000NONPJ	matrix spike, rec	1/11/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	100	%	EPA 353.2	-88	-88	90	110	
2017/18-1	000NONPJ	matrix spike dup	1/11/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	10.7	mg/L	EPA 353.2	0.17	0.4			
2017/18-1	000NONPJ	matrix spike dup, rec	1/11/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	100	%	EPA 353.2	-88	-88	90	110	
2017/18-1	000NONPJ	matrix spike, RPD	1/11/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	0	%	EPA 353.2	-88	-88	0	20	
2017/18-1	000NONPJ	matrix spike	1/15/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	1.97	mg/L	EPA 353.2	0.083	0.2			
2017/18-1	000NONPJ	matrix spike, rec	1/15/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	99	%	EPA 353.2	-88	-88	90	110	
2017/18-1	000NONPJ	matrix spike dup	1/15/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	2.01	mg/L	EPA 353.2	0.083	0.2			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	000NONPJ	matrix spike dup, rec	1/15/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	100	%	EPA 353.2	-88	-88	90	110	
2017/18-1	000NONPJ	matrix spike, RPD	1/15/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	2	%	EPA 353.2	-88	-88	0	20	
2017/18-1	000NONPJ	matrix spike	1/15/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	2.43	mg/L	EPA 353.2	0.083	0.2			
2017/18-1	000NONPJ	matrix spike, rec	1/15/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	96	%	EPA 353.2	-88	-88	90	110	
2017/18-1	000NONPJ	matrix spike dup	1/15/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	2.51	mg/L	EPA 353.2	0.083	0.2			
2017/18-1	000NONPJ	matrix spike dup, rec	1/15/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	101	%	EPA 353.2	-88	-88	90	110	
2017/18-1	000NONPJ	matrix spike, RPD	1/15/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	3	%	EPA 353.2	-88	-88	0	20	
2017/18-1	Lab	method blank	1/11/2018	Nutrient	Nitrate + Nitrite as N	n/a	<	0.083	mg/L	EPA 353.2	0.083	0.2			
2017/18-1	Lab	LCS	1/11/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	0.978	mg/L	EPA 353.2	0.083	0.2			
2017/18-1	Lab	LCS, rec	1/11/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	98	%	EPA 353.2	-88	-88	90	110	
2017/18-1	Lab	method blank	1/15/2018	Nutrient	Nitrate + Nitrite as N	n/a	<	0.083	mg/L	EPA 353.2	0.083	0.2			
2017/18-1	Lab	LCS	1/15/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	0.978	mg/L	EPA 353.2	0.083	0.2			
2017/18-1	Lab	LCS, rec	1/15/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	98	%	EPA 353.2	-88	-88	90	110	
2017/18-1	000NONPJ	matrix spike	1/11/2018	Nutrient	Nitrate as N	n/a	=	2.44	mg/L	EPA 353.2	0.083	0.2			
2017/18-1	000NONPJ	matrix spike, rec	1/11/2018	Nutrient	Nitrate as N	n/a	=	106	%	EPA 353.2	-88	-88	90	110	
2017/18-1	000NONPJ	matrix spike dup	1/11/2018	Nutrient	Nitrate as N	n/a	=	2.44	mg/L	EPA 353.2	0.083	0.2			
2017/18-1	000NONPJ	matrix spike dup, rec	1/11/2018	Nutrient	Nitrate as N	n/a	=	106	%	EPA 353.2	-88	-88	90	110	
2017/18-1	000NONPJ	matrix spike, RPD	1/11/2018	Nutrient	Nitrate as N	n/a	=	0	%	EPA 353.2	-88	-88	0	20	
2017/18-1	000NONPJ	matrix spike	1/11/2018	Nutrient	Nitrate as N	n/a	=	6.06	mg/L	EPA 353.2	0.083	0.2			
2017/18-1	000NONPJ	matrix spike, rec	1/11/2018	Nutrient	Nitrate as N	n/a	=	93	%	EPA 353.2	-88	-88	90	110	
2017/18-1	000NONPJ	matrix spike dup	1/11/2018	Nutrient	Nitrate as N	n/a	=	6.05	mg/L	EPA 353.2	0.083	0.2			
2017/18-1	000NONPJ	matrix spike dup, rec	1/11/2018	Nutrient	Nitrate as N	n/a	=	93	%	EPA 353.2	-88	-88	90	110	
2017/18-1	000NONPJ	matrix spike, RPD	1/11/2018	Nutrient	Nitrate as N	n/a	=	0.2	%	EPA 353.2	-88	-88	0	20	
2017/18-1	000NONPJ	matrix spike	1/11/2018	Nutrient	Nitrate as N	n/a	=	10.7	mg/L	EPA 353.2	0.17	0.4			
2017/18-1	000NONPJ	matrix spike, rec	1/11/2018	Nutrient	Nitrate as N	n/a	=	100	%	EPA 353.2	-88	-88	90	110	
2017/18-1	000NONPJ	matrix spike dup	1/11/2018	Nutrient	Nitrate as N	n/a	=	10.7	mg/L	EPA 353.2	0.17	0.4			
2017/18-1	000NONPJ	matrix spike dup, rec	1/11/2018	Nutrient	Nitrate as N	n/a	=	100	%	EPA 353.2	-88	-88	90	110	
2017/18-1	000NONPJ	matrix spike, RPD	1/11/2018	Nutrient	Nitrate as N	n/a	=	0	%	EPA 353.2	-88	-88	0	20	
2017/18-1	Lab	LCS	1/11/2018	Nutrient	Nitrate as N	n/a	=	0.978	mg/L	EPA 353.2	0.083	0.2			
2017/18-1	Lab	LCS, rec	1/11/2018	Nutrient	Nitrate as N	n/a	=	98	%	EPA 353.2	-88	-88	90	110	
2017/18-1	Lab	method blank	1/11/2018	Nutrient	Nitrate as N	n/a	<	0.083	mg/L	EPA 353.2	0.083	0.2			
2017/18-1	Lab	method blank	1/15/2018	Nutrient	Phosphorus as P	Dissolved	<	0.0014	mg/L	EPA 365.1	0.0014	0.01			
2017/18-1	Lab	LCS	1/15/2018	Nutrient	Phosphorus as P	Dissolved	=	0.0503	mg/L	EPA 365.1	0.0014	0.01			
2017/18-1	Lab	LCS, rec	1/15/2018	Nutrient	Phosphorus as P	Dissolved	=	101	%	EPA 365.1	-88	-88	90	110	
2017/18-1	ME-SCR	matrix spike	1/15/2018	Nutrient	Phosphorus as P	Dissolved	=	0.0742	mg/L	EPA 365.1	0.0014	0.01			
2017/18-1	ME-SCR	matrix spike, rec	1/15/2018	Nutrient	Phosphorus as P	Dissolved	=	103	%	EPA 365.1	-88	-88	90	110	
2017/18-1	ME-SCR	matrix spike dup	1/15/2018	Nutrient	Phosphorus as P	Dissolved	=	0.0749	mg/L	EPA 365.1	0.0014	0.01			
2017/18-1	ME-SCR	matrix spike dup, rec	1/15/2018	Nutrient	Phosphorus as P	Dissolved	=	105	%	EPA 365.1	-88	-88	90	110	
2017/18-1	ME-SCR	matrix spike, RPD	1/15/2018	Nutrient	Phosphorus as P	Dissolved	=	0.9	%	EPA 365.1	-88	-88	0	20	
2017/18-1	MO-HUE	matrix spike	1/15/2018	Nutrient	Phosphorus as P	Dissolved	=	0.226	mg/L	EPA 365.1	0.0028	0.02			
2017/18-1	MO-HUE	matrix spike, rec	1/15/2018	Nutrient	Phosphorus as P	Dissolved	=	90	%	EPA 365.1	-88	-88	90	110	
2017/18-1	MO-HUE	matrix spike dup	1/15/2018	Nutrient	Phosphorus as P	Dissolved	=	0.234	mg/L	EPA 365.1	0.0028	0.02			
2017/18-1	MO-HUE	matrix spike dup, rec	1/15/2018	Nutrient	Phosphorus as P	Dissolved	=	106	%	EPA 365.1	-88	-88	90	110	
2017/18-1	MO-HUE	matrix spike, RPD	1/15/2018	Nutrient	Phosphorus as P	Dissolved	=	3	%	EPA 365.1	-88	-88	0	20	
2017/18-1	000NONPJ	matrix spike	1/16/2018	Nutrient	Phosphorus as P	Total	=	0.202	mg/L	EPA 365.1	0.0028	0.02			
2017/18-1	000NONPJ	matrix spike, rec	1/16/2018	Nutrient	Phosphorus as P	Total	=	100	%	EPA 365.1	-88	-88	90	110	
2017/18-1	000NONPJ	matrix spike dup	1/16/2018	Nutrient	Phosphorus as P	Total	=	0.202	mg/L	EPA 365.1	0.0028	0.02			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	000NONPJ	matrix spike dup, rec	1/16/2018	Nutrient	Phosphorus as P	Total	=	100	%	EPA 365.1	-88	-88	90	110	
2017/18-1	000NONPJ	matrix spike, RPD	1/16/2018	Nutrient	Phosphorus as P	Total	=	0	%	EPA 365.1	-88	-88	0	20	
2017/18-1	000NONPJ	matrix spike	1/18/2018	Nutrient	Phosphorus as P	Total	=	1.23	mg/L	EPA 365.1	0.014	0.1			
2017/18-1	000NONPJ	matrix spike, rec	1/18/2018	Nutrient	Phosphorus as P	Total	=	104	%	EPA 365.1	-88	-88	90	110	
2017/18-1	000NONPJ	matrix spike dup	1/18/2018	Nutrient	Phosphorus as P	Total	=	1.22	mg/L	EPA 365.1	0.014	0.1			
2017/18-1	000NONPJ	matrix spike dup, rec	1/18/2018	Nutrient	Phosphorus as P	Total	=	102	%	EPA 365.1	-88	-88	90	110	
2017/18-1	000NONPJ	matrix spike, RPD	1/18/2018	Nutrient	Phosphorus as P	Total	=	0.8	%	EPA 365.1	-88	-88	0	20	
2017/18-1	000NONPJ	matrix spike	1/18/2018	Nutrient	Phosphorus as P	Total	=	1.18	mg/L	EPA 365.1	0.014	0.1			
2017/18-1	000NONPJ	matrix spike, rec	1/18/2018	Nutrient	Phosphorus as P	Total	=	107	%	EPA 365.1	-88	-88	90	110	
2017/18-1	000NONPJ	matrix spike dup	1/18/2018	Nutrient	Phosphorus as P	Total	=	1.15	mg/L	EPA 365.1	0.014	0.1			
2017/18-1	000NONPJ	matrix spike dup, rec	1/18/2018	Nutrient	Phosphorus as P	Total	=	101	%	EPA 365.1	-88	-88	90	110	
2017/18-1	000NONPJ	matrix spike, RPD	1/18/2018	Nutrient	Phosphorus as P	Total	=	3	%	EPA 365.1	-88	-88	0	20	
2017/18-1	000NONPJ	matrix spike	1/22/2018	Nutrient	Phosphorus as P	Total	=	0.0676	mg/L	EPA 365.1	0.0014	0.01			
2017/18-1	000NONPJ	matrix spike, rec	1/22/2018	Nutrient	Phosphorus as P	Total	=	101	%	EPA 365.1	-88	-88	90	110	
2017/18-1	000NONPJ	matrix spike dup	1/22/2018	Nutrient	Phosphorus as P	Total	=	0.0681	mg/L	EPA 365.1	0.0014	0.01			
2017/18-1	000NONPJ	matrix spike dup, rec	1/22/2018	Nutrient	Phosphorus as P	Total	=	102	%	EPA 365.1	-88	-88	90	110	
2017/18-1	000NONPJ	matrix spike, RPD	1/22/2018	Nutrient	Phosphorus as P	Total	=	0.7	%	EPA 365.1	-88	-88	0	20	
2017/18-1	000NONPJ	lab duplicate	1/22/2018	Nutrient	Phosphorus as P	Total	=	0.657	mg/L	EPA 365.1	0.014	0.1		20	
2017/18-1	000NONPJ	matrix spike	1/22/2018	Nutrient	Phosphorus as P	Total	=	1.19	mg/L	EPA 365.1	0.014	0.1			
2017/18-1	000NONPJ	matrix spike, rec	1/22/2018	Nutrient	Phosphorus as P	Total	=	96	%	EPA 365.1	-88	-88	90	110	
2017/18-1	000NONPJ	matrix spike dup	1/22/2018	Nutrient	Phosphorus as P	Total	=	1.17	mg/L	EPA 365.1	0.014	0.1			
2017/18-1	000NONPJ	matrix spike dup, rec	1/22/2018	Nutrient	Phosphorus as P	Total	=	92	%	EPA 365.1	-88	-88	90	110	
2017/18-1	000NONPJ	matrix spike, RPD	1/22/2018	Nutrient	Phosphorus as P	Total	=	2	%	EPA 365.1	-88	-88	0	20	
2017/18-1	Lab	method blank	1/16/2018	Nutrient	Phosphorus as P	Total	<	0.0014	mg/L	EPA 365.1	0.0014	0.01			
2017/18-1	Lab	LCS	1/16/2018	Nutrient	Phosphorus as P	Total	=	0.0529	mg/L	EPA 365.1	0.0014	0.01			
2017/18-1	Lab	LCS, rec	1/16/2018	Nutrient	Phosphorus as P	Total	=	106	%	EPA 365.1	-88	-88	90	110	
2017/18-1	Lab	method blank	1/18/2018	Nutrient	Phosphorus as P	Total	DNQ	0.0027	mg/L	EPA 365.1	0.0014	0.01			IP
2017/18-1	Lab	LCS	1/18/2018	Nutrient	Phosphorus as P	Total	=	0.0518	mg/L	EPA 365.1	0.0014	0.01			
2017/18-1	Lab	LCS, rec	1/18/2018	Nutrient	Phosphorus as P	Total	=	104	%	EPA 365.1	-88	-88	90	110	
2017/18-1	Lab	method blank	1/22/2018	Nutrient	Phosphorus as P	Total	<	0.0014	mg/L	EPA 365.1	0.0014	0.01			
2017/18-1	Lab	LCS	1/22/2018	Nutrient	Phosphorus as P	Total	=	0.0516	mg/L	EPA 365.1	0.0014	0.01			
2017/18-1	Lab	LCS, rec	1/22/2018	Nutrient	Phosphorus as P	Total	=	103	%	EPA 365.1	-88	-88	90	110	
2017/18-1	Lab	LCS	1/22/2018	Nutrient	Phosphorus as P	Total	=	0.0506	mg/L	EPA 365.1	0.0014	0.01			
2017/18-1	Lab	LCS, rec	1/22/2018	Nutrient	Phosphorus as P	Total	=	101	%	EPA 365.1	-88	-88	90	110	
2017/18-1	Lab	method blank	1/22/2018	Nutrient	Phosphorus as P	Total	DNQ	0.0034	mg/L	EPA 365.1	0.0014	0.01			IP
2017/18-1	ME-SCR	matrix spike	1/16/2018	Nutrient	Phosphorus as P	Total	=	0.104	mg/L	EPA 365.1	0.0014	0.01			
2017/18-1	ME-SCR	matrix spike, rec	1/16/2018	Nutrient	Phosphorus as P	Total	=	97	%	EPA 365.1	-88	-88	90	110	
2017/18-1	ME-SCR	matrix spike dup	1/16/2018	Nutrient	Phosphorus as P	Total	=	0.104	mg/L	EPA 365.1	0.0014	0.01			
2017/18-1	ME-SCR	matrix spike dup, rec	1/16/2018	Nutrient	Phosphorus as P	Total	=	97	%	EPA 365.1	-88	-88	90	110	
2017/18-1	ME-SCR	matrix spike, RPD	1/16/2018	Nutrient	Phosphorus as P	Total	=	0	%	EPA 365.1	-88	-88	0	20	
2017/18-1	000NONPJ	matrix spike	1/26/2018	Nutrient	TKN	n/a	=	1.24	mg/L	EPA 351.2	0.05	0.1			
2017/18-1	000NONPJ	matrix spike	1/26/2018	Nutrient	TKN	n/a	=	1.25	mg/L	EPA 351.2	0.05	0.1			
2017/18-1	000NONPJ	matrix spike dup	1/26/2018	Nutrient	TKN	n/a	=	1.28	mg/L	EPA 351.2	0.05	0.1			
2017/18-1	000NONPJ	matrix spike dup, rec	1/26/2018	Nutrient	TKN	n/a	=	104	%	EPA 351.2	-88	-88	90	110	
2017/18-1	000NONPJ	matrix spike, rec	1/26/2018	Nutrient	TKN	n/a	=	109	%	EPA 351.2	-88	-88	90	110	
2017/18-1	000NONPJ	matrix spike, rec	1/26/2018	Nutrient	TKN	n/a	=	100	%	EPA 351.2	-88	-88	90	110	
2017/18-1	000NONPJ	matrix spike, RPD	1/26/2018	Nutrient	TKN	n/a	=	3	%	EPA 351.2	-88	-88	0	10	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	000NONPJ	matrix spike	1/26/2018	Nutrient	TKN	n/a	=	1.21	mg/L	EPA 351.2	0.05	0.1			
2017/18-1	000NONPJ	matrix spike	1/26/2018	Nutrient	TKN	n/a	=	1.25	mg/L	EPA 351.2	0.05	0.1			
2017/18-1	000NONPJ	matrix spike dup	1/26/2018	Nutrient	TKN	n/a	=	1.22	mg/L	EPA 351.2	0.05	0.1			
2017/18-1	000NONPJ	matrix spike dup	1/26/2018	Nutrient	TKN	n/a	=	1.23	mg/L	EPA 351.2	0.05	0.1			
2017/18-1	000NONPJ	matrix spike dup, rec	1/26/2018	Nutrient	TKN	n/a	=	103	%	EPA 351.2	-88	-88	90	110	
2017/18-1	000NONPJ	matrix spike dup, rec	1/26/2018	Nutrient	TKN	n/a	=	105	%	EPA 351.2	-88	-88	90	110	
2017/18-1	000NONPJ	matrix spike, rec	1/26/2018	Nutrient	TKN	n/a	=	102	%	EPA 351.2	-88	-88	90	110	
2017/18-1	000NONPJ	matrix spike, rec	1/26/2018	Nutrient	TKN	n/a	=	107	%	EPA 351.2	-88	-88	90	110	
2017/18-1	000NONPJ	matrix spike, RPD	1/26/2018	Nutrient	TKN	n/a	=	1	%	EPA 351.2	-88	-88	0	10	
2017/18-1	000NONPJ	matrix spike, RPD	1/26/2018	Nutrient	TKN	n/a	=	2	%	EPA 351.2	-88	-88	0	10	
2017/18-1	000NONPJ	matrix spike dup	1/29/2018	Nutrient	TKN	n/a	=	1.17	mg/L	EPA 351.2	0.05	0.1			
2017/18-1	000NONPJ	matrix spike dup, rec	1/29/2018	Nutrient	TKN	n/a	=	101	%	EPA 351.2	-88	-88	90	110	
2017/18-1	000NONPJ	matrix spike, RPD	1/29/2018	Nutrient	TKN	n/a	=	7	%	EPA 351.2	-88	-88	0	10	
2017/18-1	000NONPJ	matrix spike	1/30/2018	Nutrient	TKN	n/a	=	1.24	mg/L	EPA 351.2	0.05	0.1			
2017/18-1	000NONPJ	matrix spike dup	1/30/2018	Nutrient	TKN	n/a	=	1.23	mg/L	EPA 351.2	0.05	0.1			
2017/18-1	000NONPJ	matrix spike dup, rec	1/30/2018	Nutrient	TKN	n/a	=	99	%	EPA 351.2	-88	-88	90	110	
2017/18-1	000NONPJ	matrix spike, rec	1/30/2018	Nutrient	TKN	n/a	=	100	%	EPA 351.2	-88	-88	90	110	
2017/18-1	000NONPJ	matrix spike, RPD	1/30/2018	Nutrient	TKN	n/a	=	1	%	EPA 351.2	-88	-88	0	10	
2017/18-1	Lab	LCS	1/26/2018	Nutrient	TKN	n/a	=	0.996	mg/L	EPA 351.2	0.05	0.1			
2017/18-1	Lab	LCS	1/26/2018	Nutrient	TKN	n/a	=	1.01	mg/L	EPA 351.2	0.05	0.1			
2017/18-1	Lab	LCS, rec	1/26/2018	Nutrient	TKN	n/a	=	100	%	EPA 351.2	-88	-88	90	110	
2017/18-1	Lab	LCS, rec	1/26/2018	Nutrient	TKN	n/a	=	101	%	EPA 351.2	-88	-88	90	110	
2017/18-1	Lab	method blank	1/26/2018	Nutrient	TKN	n/a	<	0.05	mg/L	EPA 351.2	0.05	0.1			
2017/18-1	Lab	method blank	1/26/2018	Nutrient	TKN	n/a	<	0.05	mg/L	EPA 351.2	0.05	0.1			
2017/18-1	Lab	LCS	1/26/2018	Nutrient	TKN	n/a	=	1.08	mg/L	EPA 351.2	0.05	0.1			
2017/18-1	Lab	LCS	1/26/2018	Nutrient	TKN	n/a	=	1.07	mg/L	EPA 351.2	0.05	0.1			
2017/18-1	Lab	LCS, rec	1/26/2018	Nutrient	TKN	n/a	=	107	%	EPA 351.2	-88	-88	90	110	
2017/18-1	Lab	LCS, rec	1/26/2018	Nutrient	TKN	n/a	=	108	%	EPA 351.2	-88	-88	90	110	
2017/18-1	Lab	method blank	1/26/2018	Nutrient	TKN	n/a	<	0.05	mg/L	EPA 351.2	0.05	0.1			
2017/18-1	Lab	method blank	1/26/2018	Nutrient	TKN	n/a	<	0.05	mg/L	EPA 351.2	0.05	0.1			
2017/18-1	Lab	LCS	1/29/2018	Nutrient	TKN	n/a	=	0.992	mg/L	EPA 351.2	0.05	0.1			
2017/18-1	Lab	LCS, rec	1/29/2018	Nutrient	TKN	n/a	=	99	%	EPA 351.2	-88	-88	90	110	
2017/18-1	Lab	method blank	1/29/2018	Nutrient	TKN	n/a	<	0.05	mg/L	EPA 351.2	0.05	0.1			
2017/18-1	Lab	LCS	1/30/2018	Nutrient	TKN	n/a	=	1.01	mg/L	EPA 351.2	0.05	0.1			
2017/18-1	Lab	LCS, rec	1/30/2018	Nutrient	TKN	n/a	=	101	%	EPA 351.2	-88	-88	90	110	
2017/18-1	Lab	method blank	1/30/2018	Nutrient	TKN	n/a	<	0.05	mg/L	EPA 351.2	0.05	0.1			
2017/18-1	000NONPJ	matrix spike	1/25/2018	Organic	1,2,4-Trichlorobenzene	n/a	=	17.9	µg/L	EPA 625	0.55	1			
2017/18-1	000NONPJ	matrix spike, rec	1/25/2018	Organic	1,2,4-Trichlorobenzene	n/a	=	71	%	EPA 625	-88	-88	44	142	
2017/18-1	000NONPJ	matrix spike dup	1/25/2018	Organic	1,2,4-Trichlorobenzene	n/a	=	18.2	µg/L	EPA 625	0.55	1			
2017/18-1	000NONPJ	matrix spike dup, rec	1/25/2018	Organic	1,2,4-Trichlorobenzene	n/a	=	73	%	EPA 625	-88	-88	44	142	
2017/18-1	000NONPJ	matrix spike, RPD	1/25/2018	Organic	1,2,4-Trichlorobenzene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/15/2018	Organic	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1			
2017/18-1	Lab	LCS	1/15/2018	Organic	1,2,4-Trichlorobenzene	n/a	=	15.6	µg/L	EPA 625	0.55	1			
2017/18-1	Lab	LCS, rec	1/15/2018	Organic	1,2,4-Trichlorobenzene	n/a	=	63	%	EPA 625	-88	-88	44	142	
2017/18-1	Lab	LCS dup	1/15/2018	Organic	1,2,4-Trichlorobenzene	n/a	=	17.5	µg/L	EPA 625	0.55	1			
2017/18-1	Lab	LCS dup, rec	1/15/2018	Organic	1,2,4-Trichlorobenzene	n/a	=	70	%	EPA 625	-88	-88	44	142	
2017/18-1	Lab	LCS, RPD	1/15/2018	Organic	1,2,4-Trichlorobenzene	n/a	=	11	%	EPA 625	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	Lab	method blank	1/25/2018	Organic	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1			
2017/18-1	Lab	LCS	1/25/2018	Organic	1,2,4-Trichlorobenzene	n/a	=	19.6	µg/L	EPA 625	0.55	1			
2017/18-1	Lab	LCS, rec	1/25/2018	Organic	1,2,4-Trichlorobenzene	n/a	=	79	%	EPA 625	-88	-88	44	142	
2017/18-1	000NONPJ	matrix spike	1/25/2018	Organic	1,2-Dichlorobenzene	n/a	=	20.3	µg/L	EPA 625	0.57	1			
2017/18-1	000NONPJ	matrix spike, rec	1/25/2018	Organic	1,2-Dichlorobenzene	n/a	=	81	%	EPA 625	-88	-88	32	129	
2017/18-1	000NONPJ	matrix spike dup	1/25/2018	Organic	1,2-Dichlorobenzene	n/a	=	18.7	µg/L	EPA 625	0.57	1			
2017/18-1	000NONPJ	matrix spike dup, rec	1/25/2018	Organic	1,2-Dichlorobenzene	n/a	=	75	%	EPA 625	-88	-88	32	129	
2017/18-1	000NONPJ	matrix spike, RPD	1/25/2018	Organic	1,2-Dichlorobenzene	n/a	=	8	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/15/2018	Organic	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1			
2017/18-1	Lab	LCS	1/15/2018	Organic	1,2-Dichlorobenzene	n/a	=	15.8	µg/L	EPA 625	0.57	1			
2017/18-1	Lab	LCS, rec	1/15/2018	Organic	1,2-Dichlorobenzene	n/a	=	63	%	EPA 625	-88	-88	32	129	
2017/18-1	Lab	LCS dup	1/15/2018	Organic	1,2-Dichlorobenzene	n/a	=	17.6	µg/L	EPA 625	0.57	1			
2017/18-1	Lab	LCS dup, rec	1/15/2018	Organic	1,2-Dichlorobenzene	n/a	=	70	%	EPA 625	-88	-88	32	129	
2017/18-1	Lab	LCS, RPD	1/15/2018	Organic	1,2-Dichlorobenzene	n/a	=	11	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/25/2018	Organic	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1			
2017/18-1	Lab	LCS	1/25/2018	Organic	1,2-Dichlorobenzene	n/a	=	19	µg/L	EPA 625	0.57	1			
2017/18-1	Lab	LCS, rec	1/25/2018	Organic	1,2-Dichlorobenzene	n/a	=	76	%	EPA 625	-88	-88	32	129	
2017/18-1	000NONPJ	srgt matrix spike	1/12/2018	Organic	1,2-Dichloroethane-d4	n/a	=	51.7	µg/L	EPA 624	-88	-88			
2017/18-1	000NONPJ	srgt matrix spike, rec	1/12/2018	Organic	1,2-Dichloroethane-d4	n/a	=	103	%	EPA 624	-88	-88	82	125	
2017/18-1	000NONPJ	srgt matrix spike dup	1/12/2018	Organic	1,2-Dichloroethane-d4	n/a	=	50.1	µg/L	EPA 624	-88	-88			
2017/18-1	000NONPJ	srgt matrix spike dup, rec	1/12/2018	Organic	1,2-Dichloroethane-d4	n/a	=	100	%	EPA 624	-88	-88	82	125	
2017/18-1	Lab	srgt LCS	1/11/2018	Organic	1,2-Dichloroethane-d4	n/a	=	47.1	µg/L	EPA 624	-88	-88			
2017/18-1	Lab	srgt LCS, rec	1/11/2018	Organic	1,2-Dichloroethane-d4	n/a	=	94	%	EPA 624	-88	-88	82	125	
2017/18-1	Lab	srgt LCS dup	1/11/2018	Organic	1,2-Dichloroethane-d4	n/a	=	47.4	µg/L	EPA 624	-88	-88			
2017/18-1	Lab	srgt LCS dup, rec	1/11/2018	Organic	1,2-Dichloroethane-d4	n/a	=	95	%	EPA 624	-88	-88	82	125	
2017/18-1	Lab	srgt method blank	1/11/2018	Organic	1,2-Dichloroethane-d4	n/a	=	47.6	µg/L	EPA 624	-88	-88			
2017/18-1	Lab	srgt method blank, rec	1/11/2018	Organic	1,2-Dichloroethane-d4	n/a	=	95	%	EPA 624	-88	-88	82	125	
2017/18-1	ME-CC	srgt environ	1/12/2018	Organic	1,2-Dichloroethane-d4	n/a	=	50.3	µg/L	EPA 624	-88	-88			
2017/18-1	ME-CC	srgt environ, rec	1/12/2018	Organic	1,2-Dichloroethane-d4	n/a	=	101	%	EPA 624	-88	-88	82	125	
2017/18-1	ME-SCR	srgt environ	1/12/2018	Organic	1,2-Dichloroethane-d4	n/a	=	49.6	µg/L	EPA 624	-88	-88			
2017/18-1	ME-SCR	srgt environ, rec	1/12/2018	Organic	1,2-Dichloroethane-d4	n/a	=	99	%	EPA 624	-88	-88	82	125	
2017/18-1	ME-VR2	srgt environ	1/12/2018	Organic	1,2-Dichloroethane-d4	n/a	=	48.2	µg/L	EPA 624	-88	-88			
2017/18-1	ME-VR2	srgt environ, rec	1/12/2018	Organic	1,2-Dichloroethane-d4	n/a	=	96	%	EPA 624	-88	-88	82	125	
2017/18-1	MO-CAM	srgt environ	1/12/2018	Organic	1,2-Dichloroethane-d4	n/a	=	49.4	µg/L	EPA 624	-88	-88			
2017/18-1	MO-CAM	srgt environ, rec	1/12/2018	Organic	1,2-Dichloroethane-d4	n/a	=	99	%	EPA 624	-88	-88	82	125	
2017/18-1	MO-FIL	srgt environ	1/12/2018	Organic	1,2-Dichloroethane-d4	n/a	=	51.2	µg/L	EPA 624	-88	-88			
2017/18-1	MO-FIL	srgt environ, rec	1/12/2018	Organic	1,2-Dichloroethane-d4	n/a	=	102	%	EPA 624	-88	-88	82	125	
2017/18-1	MO-HUE	srgt environ	1/12/2018	Organic	1,2-Dichloroethane-d4	n/a	=	49.8	µg/L	EPA 624	-88	-88			
2017/18-1	MO-HUE	srgt environ, rec	1/12/2018	Organic	1,2-Dichloroethane-d4	n/a	=	100	%	EPA 624	-88	-88	82	125	
2017/18-1	MO-MEI	srgt environ	1/12/2018	Organic	1,2-Dichloroethane-d4	n/a	=	49	µg/L	EPA 624	-88	-88			
2017/18-1	MO-MEI	srgt environ, rec	1/12/2018	Organic	1,2-Dichloroethane-d4	n/a	=	98	%	EPA 624	-88	-88	82	125	
2017/18-1	MO-MPK	srgt environ	1/12/2018	Organic	1,2-Dichloroethane-d4	n/a	=	50.2	µg/L	EPA 624	-88	-88			
2017/18-1	MO-MPK	srgt environ, rec	1/12/2018	Organic	1,2-Dichloroethane-d4	n/a	=	100	%	EPA 624	-88	-88	82	125	
2017/18-1	MO-OJA	srgt environ	1/12/2018	Organic	1,2-Dichloroethane-d4	n/a	=	48.4	µg/L	EPA 624	-88	-88			
2017/18-1	MO-OJA	srgt environ, rec	1/12/2018	Organic	1,2-Dichloroethane-d4	n/a	=	97	%	EPA 624	-88	-88	82	125	
2017/18-1	MO-OXN	srgt environ	1/12/2018	Organic	1,2-Dichloroethane-d4	n/a	=	50.8	µg/L	EPA 624	-88	-88			
2017/18-1	MO-OXN	srgt environ, rec	1/12/2018	Organic	1,2-Dichloroethane-d4	n/a	=	102	%	EPA 624	-88	-88	82	125	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	MO-SIM	srgt environ	1/12/2018	Organic	1,2-Dichloroethane-d4	n/a	=	50.4	µg/L	EPA 624	-88	-88			
2017/18-1	MO-SIM	srgt environ, rec	1/12/2018	Organic	1,2-Dichloroethane-d4	n/a	=	101	%	EPA 624	-88	-88	82	125	
2017/18-1	MO-SPA	srgt environ	1/12/2018	Organic	1,2-Dichloroethane-d4	n/a	=	49.6	µg/L	EPA 624	-88	-88			
2017/18-1	MO-SPA	srgt environ, rec	1/12/2018	Organic	1,2-Dichloroethane-d4	n/a	=	99	%	EPA 624	-88	-88	82	125	
2017/18-1	MO-THO	srgt environ	1/12/2018	Organic	1,2-Dichloroethane-d4	n/a	=	50.5	µg/L	EPA 624	-88	-88			
2017/18-1	MO-THO	srgt environ, rec	1/12/2018	Organic	1,2-Dichloroethane-d4	n/a	=	101	%	EPA 624	-88	-88	82	125	
2017/18-1	MO-VEN	srgt environ	1/12/2018	Organic	1,2-Dichloroethane-d4	n/a	=	51.1	µg/L	EPA 624	-88	-88			
2017/18-1	MO-VEN	srgt environ, rec	1/12/2018	Organic	1,2-Dichloroethane-d4	n/a	=	102	%	EPA 624	-88	-88	82	125	
2017/18-1	Lab	method blank	1/15/2018	Organic	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2017/18-1	Lab	method blank	1/25/2018	Organic	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2017/18-1	000NONPJ	matrix spike	1/25/2018	Organic	1,3-Dichlorobenzene	n/a	=	16.9	µg/L	EPA 625	0.53	1			
2017/18-1	000NONPJ	matrix spike, rec	1/25/2018	Organic	1,3-Dichlorobenzene	n/a	=	67	%	EPA 625	-88	-88	0.1	172	
2017/18-1	000NONPJ	matrix spike dup	1/25/2018	Organic	1,3-Dichlorobenzene	n/a	=	17.7	µg/L	EPA 625	0.53	1			
2017/18-1	000NONPJ	matrix spike dup, rec	1/25/2018	Organic	1,3-Dichlorobenzene	n/a	=	71	%	EPA 625	-88	-88	0.1	172	
2017/18-1	000NONPJ	matrix spike, RPD	1/25/2018	Organic	1,3-Dichlorobenzene	n/a	=	5	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/15/2018	Organic	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1			
2017/18-1	Lab	LCS	1/15/2018	Organic	1,3-Dichlorobenzene	n/a	=	14.8	µg/L	EPA 625	0.53	1			
2017/18-1	Lab	LCS, rec	1/15/2018	Organic	1,3-Dichlorobenzene	n/a	=	59	%	EPA 625	-88	-88	0.1	172	
2017/18-1	Lab	LCS dup	1/15/2018	Organic	1,3-Dichlorobenzene	n/a	=	16.2	µg/L	EPA 625	0.53	1			
2017/18-1	Lab	LCS dup, rec	1/15/2018	Organic	1,3-Dichlorobenzene	n/a	=	65	%	EPA 625	-88	-88	0.1	172	
2017/18-1	Lab	LCS, RPD	1/15/2018	Organic	1,3-Dichlorobenzene	n/a	=	10	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/25/2018	Organic	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1			
2017/18-1	Lab	LCS	1/25/2018	Organic	1,3-Dichlorobenzene	n/a	=	17.2	µg/L	EPA 625	0.53	1			
2017/18-1	Lab	LCS, rec	1/25/2018	Organic	1,3-Dichlorobenzene	n/a	=	69	%	EPA 625	-88	-88	0.1	172	
2017/18-1	000NONPJ	srgt matrix spike	2/2/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.438	µg/L	EPA 525.2m	-88	-88			
2017/18-1	000NONPJ	srgt matrix spike, rec	2/2/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	88	%	EPA 525.2m	-88	-88	76	128	
2017/18-1	000NONPJ	srgt matrix spike dup	2/2/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.438	µg/L	EPA 525.2m	-88	-88			
2017/18-1	000NONPJ	srgt matrix spike dup, rec	2/2/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	88	%	EPA 525.2m	-88	-88	76	128	
2017/18-1	000NONPJ	srgt matrix spike	2/6/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.409	µg/L	EPA 525.2m	-88	-88			
2017/18-1	000NONPJ	srgt matrix spike, rec	2/6/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	82	%	EPA 525.2m	-88	-88	76	128	
2017/18-1	000NONPJ	srgt matrix spike dup	2/6/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.41	µg/L	EPA 525.2m	-88	-88			
2017/18-1	000NONPJ	srgt matrix spike dup, rec	2/6/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	82	%	EPA 525.2m	-88	-88	76	128	
2017/18-1	Lab	srgt method blank	1/23/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.2	µg/L	EPA 525.2	-88	-88			
2017/18-1	Lab	srgt method blank, rec	1/23/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	104	%	EPA 525.2	-88	-88	70	130	
2017/18-1	Lab	srgt LCS	1/23/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.06	µg/L	EPA 525.2	-88	-88			
2017/18-1	Lab	srgt LCS, rec	1/23/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	101	%	EPA 525.2	-88	-88	70	130	
2017/18-1	Lab	srgt LCS dup	1/23/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.26	µg/L	EPA 525.2	-88	-88			
2017/18-1	Lab	srgt LCS dup, rec	1/23/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	105	%	EPA 525.2	-88	-88	70	130	
2017/18-1	Lab	srgt method blank	1/25/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.96	µg/L	EPA 525.2	-88	-88			
2017/18-1	Lab	srgt method blank, rec	1/25/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	99	%	EPA 525.2	-88	-88	70	130	
2017/18-1	Lab	srgt LCS	1/25/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.8	µg/L	EPA 525.2	-88	-88			
2017/18-1	Lab	srgt LCS, rec	1/25/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	96	%	EPA 525.2	-88	-88	70	130	
2017/18-1	Lab	srgt LCS dup	1/25/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.92	µg/L	EPA 525.2	-88	-88			
2017/18-1	Lab	srgt LCS dup, rec	1/25/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	98	%	EPA 525.2	-88	-88	70	130	
2017/18-1	Lab	srgt method blank	1/30/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.483	µg/L	EPA 525.2m	-88	-88			
2017/18-1	Lab	srgt method blank, rec	1/30/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	97	%	EPA 525.2m	-88	-88	76	128	
2017/18-1	Lab	srgt LCS	1/30/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.492	µg/L	EPA 525.2m	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	Lab	srgt LCS, rec	1/30/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	98	%	EPA 525.2m	-88	-88	76	128	
2017/18-1	Lab	srgt method blank	2/2/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.479	µg/L	EPA 525.2m	-88	-88			
2017/18-1	Lab	srgt method blank, rec	2/2/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	96	%	EPA 525.2m	-88	-88	76	128	
2017/18-1	Lab	srgt LCS	2/2/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.48	µg/L	EPA 525.2m	-88	-88			
2017/18-1	Lab	srgt LCS, rec	2/2/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	96	%	EPA 525.2m	-88	-88	76	128	
2017/18-1	Lab	srgt method blank	2/6/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.459	µg/L	EPA 525.2m	-88	-88			
2017/18-1	Lab	srgt method blank, rec	2/6/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	92	%	EPA 525.2m	-88	-88	76	128	
2017/18-1	Lab	srgt LCS	2/6/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.452	µg/L	EPA 525.2m	-88	-88			
2017/18-1	Lab	srgt LCS, rec	2/6/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	90	%	EPA 525.2m	-88	-88	76	128	
2017/18-1	ME-CC	srgt environ	1/23/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	59.4	µg/L	EPA 525.2	-88	-88			
2017/18-1	ME-CC	srgt environ, rec	1/23/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	119	%	EPA 525.2	-88	-88	70	130	
2017/18-1	ME-CC	srgt environ	1/30/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.27	µg/L	EPA 525.2m	-88	-88			GN
2017/18-1	ME-CC	srgt environ, rec	1/30/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	54	%	EPA 525.2m	-88	-88	76	128	GN
2017/18-1	ME-SCR	srgt environ	1/23/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.42	µg/L	EPA 525.2	-88	-88			
2017/18-1	ME-SCR	srgt environ, rec	1/23/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	108	%	EPA 525.2	-88	-88	70	130	
2017/18-1	ME-SCR	srgt environ	2/2/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.297	µg/L	EPA 525.2m	-88	-88			GN
2017/18-1	ME-SCR	srgt environ, rec	2/2/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	59	%	EPA 525.2m	-88	-88	76	128	GN
2017/18-1	ME-VR2	srgt environ	1/23/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	57.3	µg/L	EPA 525.2	-88	-88			
2017/18-1	ME-VR2	srgt environ, rec	1/23/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	115	%	EPA 525.2	-88	-88	70	130	
2017/18-1	ME-VR2	srgt environ	2/2/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.223	µg/L	EPA 525.2m	-88	-88			GN
2017/18-1	ME-VR2	srgt environ, rec	2/2/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	45	%	EPA 525.2m	-88	-88	76	128	GN
2017/18-1	MO-CAM	srgt environ	1/23/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.64	µg/L	EPA 525.2	-88	-88			
2017/18-1	MO-CAM	srgt environ, rec	1/23/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	113	%	EPA 525.2	-88	-88	70	130	
2017/18-1	MO-CAM	srgt environ	1/30/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.243	µg/L	EPA 525.2m	-88	-88			GN
2017/18-1	MO-CAM	srgt environ, rec	1/30/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	49	%	EPA 525.2m	-88	-88	76	128	GN
2017/18-1	MO-FIL	srgt environ	1/24/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.86	µg/L	EPA 525.2	-88	-88			
2017/18-1	MO-FIL	srgt environ, rec	1/24/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	117	%	EPA 525.2	-88	-88	70	130	
2017/18-1	MO-FIL	srgt matrix spike dup	1/30/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.225	µg/L	EPA 525.2m	-88	-88			GN
2017/18-1	MO-FIL	srgt matrix spike dup, rec	1/30/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	45	%	EPA 525.2m	-88	-88	76	128	GN
2017/18-1	MO-FIL	srgt environ	1/30/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.261	µg/L	EPA 525.2m	-88	-88			GN
2017/18-1	MO-FIL	srgt environ, rec	1/30/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	52	%	EPA 525.2m	-88	-88	76	128	GN
2017/18-1	MO-FIL	srgt matrix spike	1/31/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.354	µg/L	EPA 525.2m	-88	-88			GN
2017/18-1	MO-FIL	srgt matrix spike, rec	1/31/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	71	%	EPA 525.2m	-88	-88	76	128	GN
2017/18-1	MO-HUE	srgt environ	1/23/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.56	µg/L	EPA 525.2	-88	-88			
2017/18-1	MO-HUE	srgt environ, rec	1/23/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	111	%	EPA 525.2	-88	-88	70	130	
2017/18-1	MO-HUE	srgt environ	2/2/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.271	µg/L	EPA 525.2m	-88	-88			GN
2017/18-1	MO-HUE	srgt environ, rec	2/2/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	54	%	EPA 525.2m	-88	-88	76	128	GN
2017/18-1	MO-MEI	srgt environ	1/23/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	53.8	µg/L	EPA 525.2	-88	-88			
2017/18-1	MO-MEI	srgt environ, rec	1/23/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	108	%	EPA 525.2	-88	-88	70	130	
2017/18-1	MO-MEI	srgt environ	1/30/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.249	µg/L	EPA 525.2m	-88	-88			GN
2017/18-1	MO-MEI	srgt environ, rec	1/30/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	50	%	EPA 525.2m	-88	-88	76	128	GN
2017/18-1	MO-MPK	srgt environ	1/23/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	53.2	µg/L	EPA 525.2	-88	-88			
2017/18-1	MO-MPK	srgt environ, rec	1/23/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	106	%	EPA 525.2	-88	-88	70	130	
2017/18-1	MO-MPK	srgt environ	1/30/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.273	µg/L	EPA 525.2m	-88	-88			GN
2017/18-1	MO-MPK	srgt environ, rec	1/30/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	55	%	EPA 525.2m	-88	-88	76	128	GN
2017/18-1	MO-OJA	srgt environ	1/23/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	63.2	µg/L	EPA 525.2	-88	-88			
2017/18-1	MO-OJA	srgt environ, rec	1/23/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	126	%	EPA 525.2	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	MO-OJA	srgt environ	1/30/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	1.34	µg/L	EPA 525.2m	-88	-88			GN
2017/18-1	MO-OJA	srgt environ, rec	1/30/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	53	%	EPA 525.2m	-88	-88	76	128	GN
2017/18-1	MO-OXN	srgt environ	1/24/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.21	µg/L	EPA 525.2	-88	-88			
2017/18-1	MO-OXN	srgt environ, rec	1/24/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	104	%	EPA 525.2	-88	-88	70	130	
2017/18-1	MO-OXN	srgt environ	1/30/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.246	µg/L	EPA 525.2m	-88	-88			GN
2017/18-1	MO-OXN	srgt environ, rec	1/30/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	49	%	EPA 525.2m	-88	-88	76	128	GN
2017/18-1	MO-SIM	srgt environ	1/23/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.54	µg/L	EPA 525.2	-88	-88			
2017/18-1	MO-SIM	srgt environ, rec	1/23/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	111	%	EPA 525.2	-88	-88	70	130	
2017/18-1	MO-SIM	srgt environ	2/2/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.236	µg/L	EPA 525.2m	-88	-88			GN
2017/18-1	MO-SIM	srgt environ, rec	2/2/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	47	%	EPA 525.2m	-88	-88	76	128	GN
2017/18-1	MO-SPA	srgt environ	1/23/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.96	µg/L	EPA 525.2	-88	-88			
2017/18-1	MO-SPA	srgt environ, rec	1/23/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	99	%	EPA 525.2	-88	-88	70	130	
2017/18-1	MO-SPA	srgt environ	2/2/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.225	µg/L	EPA 525.2m	-88	-88			GN
2017/18-1	MO-SPA	srgt environ, rec	2/2/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	45	%	EPA 525.2m	-88	-88	76	128	GN
2017/18-1	MO-THO	srgt environ	1/23/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	57.3	µg/L	EPA 525.2	-88	-88			
2017/18-1	MO-THO	srgt environ, rec	1/23/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	115	%	EPA 525.2	-88	-88	70	130	
2017/18-1	MO-THO	srgt environ	1/30/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.278	µg/L	EPA 525.2m	-88	-88			GN
2017/18-1	MO-THO	srgt environ, rec	1/30/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	56	%	EPA 525.2m	-88	-88	76	128	GN
2017/18-1	MO-VEN	srgt environ	1/23/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.61	µg/L	EPA 525.2	-88	-88			
2017/18-1	MO-VEN	srgt environ, rec	1/23/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	112	%	EPA 525.2	-88	-88	70	130	
2017/18-1	MO-VEN	srgt environ	2/2/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.288	µg/L	EPA 525.2m	-88	-88			GN
2017/18-1	MO-VEN	srgt environ, rec	2/2/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	58	%	EPA 525.2m	-88	-88	76	128	GN
2017/18-1	000NONPJ	matrix spike	1/25/2018	Organic	1,4-Dichlorobenzene	n/a	=	17.1	µg/L	EPA 625	0.55	1			
2017/18-1	000NONPJ	matrix spike, rec	1/25/2018	Organic	1,4-Dichlorobenzene	n/a	=	68	%	EPA 625	-88	-88	20	124	
2017/18-1	000NONPJ	matrix spike dup	1/25/2018	Organic	1,4-Dichlorobenzene	n/a	=	16.2	µg/L	EPA 625	0.55	1			
2017/18-1	000NONPJ	matrix spike dup, rec	1/25/2018	Organic	1,4-Dichlorobenzene	n/a	=	65	%	EPA 625	-88	-88	20	124	
2017/18-1	000NONPJ	matrix spike, RPD	1/25/2018	Organic	1,4-Dichlorobenzene	n/a	=	6	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/15/2018	Organic	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1			
2017/18-1	Lab	LCS	1/15/2018	Organic	1,4-Dichlorobenzene	n/a	=	15	µg/L	EPA 625	0.55	1			
2017/18-1	Lab	LCS, rec	1/15/2018	Organic	1,4-Dichlorobenzene	n/a	=	60	%	EPA 625	-88	-88	20	124	
2017/18-1	Lab	LCS dup	1/15/2018	Organic	1,4-Dichlorobenzene	n/a	=	17.3	µg/L	EPA 625	0.55	1			
2017/18-1	Lab	LCS dup, rec	1/15/2018	Organic	1,4-Dichlorobenzene	n/a	=	69	%	EPA 625	-88	-88	20	124	
2017/18-1	Lab	LCS, RPD	1/15/2018	Organic	1,4-Dichlorobenzene	n/a	=	15	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/25/2018	Organic	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1			
2017/18-1	Lab	LCS	1/25/2018	Organic	1,4-Dichlorobenzene	n/a	=	17.7	µg/L	EPA 625	0.55	1			
2017/18-1	Lab	LCS, rec	1/25/2018	Organic	1,4-Dichlorobenzene	n/a	=	71	%	EPA 625	-88	-88	20	124	
2017/18-1	Lab	method blank	2/1/2018	Organic	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-1	Lab	method blank	1/29/2018	Organic	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1			
2017/18-1	000NONPJ	srgt matrix spike	1/25/2018	Organic	2,4,6-Tribromophenol	n/a	=	31.5	µg/L	EPA 625	-88	-88			
2017/18-1	000NONPJ	srgt matrix spike, rec	1/25/2018	Organic	2,4,6-Tribromophenol	n/a	=	63	%	EPA 625	-88	-88	25	102	
2017/18-1	000NONPJ	srgt matrix spike dup	1/25/2018	Organic	2,4,6-Tribromophenol	n/a	=	38.7	µg/L	EPA 625	-88	-88			
2017/18-1	000NONPJ	srgt matrix spike dup, rec	1/25/2018	Organic	2,4,6-Tribromophenol	n/a	=	77	%	EPA 625	-88	-88	25	102	
2017/18-1	Lab	srgt method blank	1/15/2018	Organic	2,4,6-Tribromophenol	n/a	=	46	µg/L	EPA 625	-88	-88			
2017/18-1	Lab	srgt method blank, rec	1/15/2018	Organic	2,4,6-Tribromophenol	n/a	=	92	%	EPA 625	-88	-88	25	102	
2017/18-1	Lab	srgt LCS	1/15/2018	Organic	2,4,6-Tribromophenol	n/a	=	37	µg/L	EPA 625	-88	-88			
2017/18-1	Lab	srgt LCS, rec	1/15/2018	Organic	2,4,6-Tribromophenol	n/a	=	74	%	EPA 625	-88	-88	25	102	
2017/18-1	Lab	srgt LCS dup	1/15/2018	Organic	2,4,6-Tribromophenol	n/a	=	53.4	µg/L	EPA 625	-88	-88			GN

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	Lab	srgt LCS dup, rec	1/15/2018	Organic	2,4,6-Tribromophenol	n/a	=	107	%	EPA 625	-88	-88	25	102	GN
2017/18-1	Lab	srgt method blank	1/25/2018	Organic	2,4,6-Tribromophenol	n/a	=	45	µg/L	EPA 625	-88	-88			
2017/18-1	Lab	srgt method blank, rec	1/25/2018	Organic	2,4,6-Tribromophenol	n/a	=	90	%	EPA 625	-88	-88	25	102	
2017/18-1	Lab	srgt LCS	1/25/2018	Organic	2,4,6-Tribromophenol	n/a	=	46.8	µg/L	EPA 625	-88	-88			
2017/18-1	Lab	srgt LCS, rec	1/25/2018	Organic	2,4,6-Tribromophenol	n/a	=	94	%	EPA 625	-88	-88	25	102	
2017/18-1	Lab	srgt method blank	1/29/2018	Organic	2,4,6-Tribromophenol	n/a	=	29.5	µg/L	EPA 8270C	-88	-88			
2017/18-1	Lab	srgt method blank, rec	1/29/2018	Organic	2,4,6-Tribromophenol	n/a	=	59	%	EPA 8270C	-88	-88	26	117	
2017/18-1	Lab	srgt LCS	1/29/2018	Organic	2,4,6-Tribromophenol	n/a	=	42.6	µg/L	EPA 8270C	-88	-88			
2017/18-1	Lab	srgt LCS, rec	1/29/2018	Organic	2,4,6-Tribromophenol	n/a	=	85	%	EPA 8270C	-88	-88	26	117	
2017/18-1	Lab	srgt LCS dup	1/29/2018	Organic	2,4,6-Tribromophenol	n/a	=	42	µg/L	EPA 8270C	-88	-88			
2017/18-1	Lab	srgt LCS dup, rec	1/29/2018	Organic	2,4,6-Tribromophenol	n/a	=	84	%	EPA 8270C	-88	-88	26	117	
2017/18-1	Lab	srgt method blank	2/1/2018	Organic	2,4,6-Tribromophenol	n/a	=	9.92	µg/L	EPA 8270C	-88	-88			GN
2017/18-1	Lab	srgt method blank, rec	2/1/2018	Organic	2,4,6-Tribromophenol	n/a	=	20	%	EPA 8270C	-88	-88	26	117	GN
2017/18-1	ME-CC	srgt environ	1/25/2018	Organic	2,4,6-Tribromophenol	n/a	=	45.4	µg/L	EPA 625	-88	-88			
2017/18-1	ME-CC	srgt environ, rec	1/25/2018	Organic	2,4,6-Tribromophenol	n/a	=	91	%	EPA 625	-88	-88	25	102	
2017/18-1	ME-CC	srgt environ	1/29/2018	Organic	2,4,6-Tribromophenol	n/a	=	32.5	µg/L	EPA 8270C	-88	-88			
2017/18-1	ME-CC	srgt environ, rec	1/29/2018	Organic	2,4,6-Tribromophenol	n/a	=	65	%	EPA 8270C	-88	-88	26	117	
2017/18-1	ME-SCR	srgt environ	1/15/2018	Organic	2,4,6-Tribromophenol	n/a	=	34.1	µg/L	EPA 625	-88	-88			
2017/18-1	ME-SCR	srgt environ, rec	1/15/2018	Organic	2,4,6-Tribromophenol	n/a	=	68	%	EPA 625	-88	-88	25	102	
2017/18-1	ME-SCR	srgt environ	1/29/2018	Organic	2,4,6-Tribromophenol	n/a	=	34.5	µg/L	EPA 8270C	-88	-88			
2017/18-1	ME-SCR	srgt environ, rec	1/29/2018	Organic	2,4,6-Tribromophenol	n/a	=	69	%	EPA 8270C	-88	-88	26	117	
2017/18-1	ME-VR2	srgt environ	1/15/2018	Organic	2,4,6-Tribromophenol	n/a	=	171	µg/L	EPA 625	-88	-88			
2017/18-1	ME-VR2	srgt environ, rec	1/15/2018	Organic	2,4,6-Tribromophenol	n/a	=	34	%	EPA 625	-88	-88	25	102	
2017/18-1	ME-VR2	srgt environ	1/29/2018	Organic	2,4,6-Tribromophenol	n/a	=	42.1	µg/L	EPA 8270C	-88	-88			
2017/18-1	ME-VR2	srgt environ, rec	1/29/2018	Organic	2,4,6-Tribromophenol	n/a	=	80	%	EPA 8270C	-88	-88	26	117	
2017/18-1	MO-CAM	srgt environ	1/26/2018	Organic	2,4,6-Tribromophenol	n/a	=	40.7	µg/L	EPA 625	-88	-88			
2017/18-1	MO-CAM	srgt environ, rec	1/26/2018	Organic	2,4,6-Tribromophenol	n/a	=	81	%	EPA 625	-88	-88	25	102	
2017/18-1	MO-CAM	srgt environ	1/29/2018	Organic	2,4,6-Tribromophenol	n/a	=	46.8	µg/L	EPA 8270C	-88	-88			
2017/18-1	MO-CAM	srgt environ, rec	1/29/2018	Organic	2,4,6-Tribromophenol	n/a	=	94	%	EPA 8270C	-88	-88	26	117	
2017/18-1	MO-FIL	srgt environ	1/26/2018	Organic	2,4,6-Tribromophenol	n/a	=	39.5	µg/L	EPA 625	-88	-88			
2017/18-1	MO-FIL	srgt environ, rec	1/26/2018	Organic	2,4,6-Tribromophenol	n/a	=	79	%	EPA 625	-88	-88	25	102	
2017/18-1	MO-FIL	srgt environ	1/29/2018	Organic	2,4,6-Tribromophenol	n/a	=	47	µg/L	EPA 8270C	-88	-88			
2017/18-1	MO-FIL	srgt environ, rec	1/29/2018	Organic	2,4,6-Tribromophenol	n/a	=	94	%	EPA 8270C	-88	-88	26	117	
2017/18-1	MO-HUE	srgt environ	1/15/2018	Organic	2,4,6-Tribromophenol	n/a	=	42.4	µg/L	EPA 625	-88	-88			
2017/18-1	MO-HUE	srgt environ, rec	1/15/2018	Organic	2,4,6-Tribromophenol	n/a	=	85	%	EPA 625	-88	-88	25	102	
2017/18-1	MO-HUE	srgt environ	1/29/2018	Organic	2,4,6-Tribromophenol	n/a	=	37.2	µg/L	EPA 8270C	-88	-88			
2017/18-1	MO-HUE	srgt environ, rec	1/29/2018	Organic	2,4,6-Tribromophenol	n/a	=	74	%	EPA 8270C	-88	-88	26	117	
2017/18-1	MO-MEI	srgt environ	1/26/2018	Organic	2,4,6-Tribromophenol	n/a	=	43.1	µg/L	EPA 625	-88	-88			
2017/18-1	MO-MEI	srgt environ, rec	1/26/2018	Organic	2,4,6-Tribromophenol	n/a	=	86	%	EPA 625	-88	-88	25	102	
2017/18-1	MO-MEI	srgt environ	1/29/2018	Organic	2,4,6-Tribromophenol	n/a	=	50.5	µg/L	EPA 8270C	-88	-88			
2017/18-1	MO-MEI	srgt environ, rec	1/29/2018	Organic	2,4,6-Tribromophenol	n/a	=	101	%	EPA 8270C	-88	-88	26	117	
2017/18-1	MO-MPK	srgt environ	1/25/2018	Organic	2,4,6-Tribromophenol	n/a	=	56.1	µg/L	EPA 625	-88	-88			GN
2017/18-1	MO-MPK	srgt environ, rec	1/25/2018	Organic	2,4,6-Tribromophenol	n/a	=	112	%	EPA 625	-88	-88	25	102	GN
2017/18-1	MO-MPK	srgt environ	1/29/2018	Organic	2,4,6-Tribromophenol	n/a	=	33.3	µg/L	EPA 8270C	-88	-88			
2017/18-1	MO-MPK	srgt environ, rec	1/29/2018	Organic	2,4,6-Tribromophenol	n/a	=	67	%	EPA 8270C	-88	-88	26	117	
2017/18-1	MO-OJA	srgt environ	1/25/2018	Organic	2,4,6-Tribromophenol	n/a	=	327	µg/L	EPA 625	-88	-88			
2017/18-1	MO-OJA	srgt environ, rec	1/25/2018	Organic	2,4,6-Tribromophenol	n/a	=	65	%	EPA 625	-88	-88	25	102	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	MO-OJA	srgt environ	1/29/2018	Organic	2,4,6-Tribromophenol	n/a	=	369	µg/L	EPA 8270C	-88	-88			
2017/18-1	MO-OJA	srgt environ, rec	1/29/2018	Organic	2,4,6-Tribromophenol	n/a	=	74	%	EPA 8270C	-88	-88	26	117	
2017/18-1	MO-OXN	srgt environ	1/26/2018	Organic	2,4,6-Tribromophenol	n/a	=	46.5	µg/L	EPA 625	-88	-88			
2017/18-1	MO-OXN	srgt environ, rec	1/26/2018	Organic	2,4,6-Tribromophenol	n/a	=	93	%	EPA 625	-88	-88	25	102	
2017/18-1	MO-OXN	srgt environ	1/29/2018	Organic	2,4,6-Tribromophenol	n/a	=	27.5	µg/L	EPA 8270C	-88	-88			
2017/18-1	MO-OXN	srgt environ, rec	1/29/2018	Organic	2,4,6-Tribromophenol	n/a	=	55	%	EPA 8270C	-88	-88	26	117	
2017/18-1	MO-SIM	srgt environ	1/15/2018	Organic	2,4,6-Tribromophenol	n/a	=	41.7	µg/L	EPA 625	-88	-88			
2017/18-1	MO-SIM	srgt environ, rec	1/15/2018	Organic	2,4,6-Tribromophenol	n/a	=	83	%	EPA 625	-88	-88	25	102	
2017/18-1	MO-SIM	srgt environ	1/29/2018	Organic	2,4,6-Tribromophenol	n/a	=	40.1	µg/L	EPA 8270C	-88	-88			
2017/18-1	MO-SIM	srgt environ, rec	1/29/2018	Organic	2,4,6-Tribromophenol	n/a	=	80	%	EPA 8270C	-88	-88	26	117	
2017/18-1	MO-SPA	srgt environ	1/15/2018	Organic	2,4,6-Tribromophenol	n/a	=	37.7	µg/L	EPA 625	-88	-88			
2017/18-1	MO-SPA	srgt environ, rec	1/15/2018	Organic	2,4,6-Tribromophenol	n/a	=	75	%	EPA 625	-88	-88	25	102	
2017/18-1	MO-SPA	srgt environ	1/29/2018	Organic	2,4,6-Tribromophenol	n/a	=	37.9	µg/L	EPA 8270C	-88	-88			
2017/18-1	MO-SPA	srgt environ, rec	1/29/2018	Organic	2,4,6-Tribromophenol	n/a	=	76	%	EPA 8270C	-88	-88	26	117	
2017/18-1	MO-THO	srgt environ	1/25/2018	Organic	2,4,6-Tribromophenol	n/a	=	43.5	µg/L	EPA 625	-88	-88			
2017/18-1	MO-THO	srgt environ, rec	1/25/2018	Organic	2,4,6-Tribromophenol	n/a	=	87	%	EPA 625	-88	-88	25	102	
2017/18-1	MO-THO	srgt environ	1/29/2018	Organic	2,4,6-Tribromophenol	n/a	=	32.8	µg/L	EPA 8270C	-88	-88			
2017/18-1	MO-THO	srgt environ, rec	1/29/2018	Organic	2,4,6-Tribromophenol	n/a	=	66	%	EPA 8270C	-88	-88	26	117	
2017/18-1	MO-VEN	srgt environ	1/15/2018	Organic	2,4,6-Tribromophenol	n/a	=	29.8	µg/L	EPA 625	-88	-88			
2017/18-1	MO-VEN	srgt environ, rec	1/15/2018	Organic	2,4,6-Tribromophenol	n/a	=	60	%	EPA 625	-88	-88	25	102	
2017/18-1	MO-VEN	srgt environ	1/29/2018	Organic	2,4,6-Tribromophenol	n/a	=	34.4	µg/L	EPA 8270C	-88	-88			
2017/18-1	MO-VEN	srgt environ, rec	1/29/2018	Organic	2,4,6-Tribromophenol	n/a	=	69	%	EPA 8270C	-88	-88	26	117	
2017/18-1	000NONPJ	matrix spike	1/25/2018	Organic	2,4,6-Trichlorophenol	n/a	=	20	µg/L	EPA 625	0.22	1			
2017/18-1	000NONPJ	matrix spike, rec	1/25/2018	Organic	2,4,6-Trichlorophenol	n/a	=	80	%	EPA 625	-88	-88	37	144	
2017/18-1	000NONPJ	matrix spike dup	1/25/2018	Organic	2,4,6-Trichlorophenol	n/a	=	18.5	µg/L	EPA 625	0.22	1			
2017/18-1	000NONPJ	matrix spike dup, rec	1/25/2018	Organic	2,4,6-Trichlorophenol	n/a	=	74	%	EPA 625	-88	-88	37	144	
2017/18-1	000NONPJ	matrix spike, RPD	1/25/2018	Organic	2,4,6-Trichlorophenol	n/a	=	8	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/15/2018	Organic	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2017/18-1	Lab	LCS	1/15/2018	Organic	2,4,6-Trichlorophenol	n/a	=	17.6	µg/L	EPA 625	0.22	1			
2017/18-1	Lab	LCS, rec	1/15/2018	Organic	2,4,6-Trichlorophenol	n/a	=	70	%	EPA 625	-88	-88	37	144	
2017/18-1	Lab	LCS dup	1/15/2018	Organic	2,4,6-Trichlorophenol	n/a	=	19.8	µg/L	EPA 625	0.22	1			
2017/18-1	Lab	LCS dup, rec	1/15/2018	Organic	2,4,6-Trichlorophenol	n/a	=	79	%	EPA 625	-88	-88	37	144	
2017/18-1	Lab	LCS, RPD	1/15/2018	Organic	2,4,6-Trichlorophenol	n/a	=	12	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/25/2018	Organic	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2017/18-1	Lab	LCS	1/25/2018	Organic	2,4,6-Trichlorophenol	n/a	=	23.4	µg/L	EPA 625	0.22	1			
2017/18-1	Lab	LCS, rec	1/25/2018	Organic	2,4,6-Trichlorophenol	n/a	=	94	%	EPA 625	-88	-88	37	144	
2017/18-1	Lab	method blank	1/29/2018	Organic	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1			
2017/18-1	Lab	LCS	1/29/2018	Organic	2,4,6-Trichlorophenol	n/a	=	15.7	µg/L	EPA 8270C	0.3	1			
2017/18-1	Lab	LCS, rec	1/29/2018	Organic	2,4,6-Trichlorophenol	n/a	=	63	%	EPA 8270C	-88	-88	30	115	
2017/18-1	Lab	LCS dup	1/29/2018	Organic	2,4,6-Trichlorophenol	n/a	=	15.9	µg/L	EPA 8270C	0.3	1			
2017/18-1	Lab	LCS dup, rec	1/29/2018	Organic	2,4,6-Trichlorophenol	n/a	=	64	%	EPA 8270C	-88	-88	30	115	
2017/18-1	Lab	LCS, RPD	1/29/2018	Organic	2,4,6-Trichlorophenol	n/a	=	2	%	EPA 8270C	-88	-88	0	30	
2017/18-1	000NONPJ	matrix spike	1/25/2018	Organic	2,4-Dichlorophenol	n/a	=	18.3	µg/L	EPA 625	0.26	1			
2017/18-1	000NONPJ	matrix spike, rec	1/25/2018	Organic	2,4-Dichlorophenol	n/a	=	73	%	EPA 625	-88	-88	39	135	
2017/18-1	000NONPJ	matrix spike dup	1/25/2018	Organic	2,4-Dichlorophenol	n/a	=	18.4	µg/L	EPA 625	0.26	1			
2017/18-1	000NONPJ	matrix spike dup, rec	1/25/2018	Organic	2,4-Dichlorophenol	n/a	=	74	%	EPA 625	-88	-88	39	135	
2017/18-1	000NONPJ	matrix spike, RPD	1/25/2018	Organic	2,4-Dichlorophenol	n/a	=	0.5	%	EPA 625	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	Lab	method blank	1/15/2018	Organic	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2017/18-1	Lab	LCS	1/15/2018	Organic	2,4-Dichlorophenol	n/a	=	15.9	µg/L	EPA 625	0.26	1			
2017/18-1	Lab	LCS, rec	1/15/2018	Organic	2,4-Dichlorophenol	n/a	=	63	%	EPA 625	-88	-88	39	135	
2017/18-1	Lab	LCS dup	1/15/2018	Organic	2,4-Dichlorophenol	n/a	=	17.5	µg/L	EPA 625	0.26	1			
2017/18-1	Lab	LCS dup, rec	1/15/2018	Organic	2,4-Dichlorophenol	n/a	=	70	%	EPA 625	-88	-88	39	135	
2017/18-1	Lab	LCS, RPD	1/15/2018	Organic	2,4-Dichlorophenol	n/a	=	10	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/25/2018	Organic	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2017/18-1	Lab	LCS	1/25/2018	Organic	2,4-Dichlorophenol	n/a	=	20.5	µg/L	EPA 625	0.26	1			
2017/18-1	Lab	LCS, rec	1/25/2018	Organic	2,4-Dichlorophenol	n/a	=	82	%	EPA 625	-88	-88	39	135	
2017/18-1	Lab	method blank	1/29/2018	Organic	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1			
2017/18-1	Lab	LCS	1/29/2018	Organic	2,4-Dichlorophenol	n/a	=	18.7	µg/L	EPA 8270C	0.51	1			
2017/18-1	Lab	LCS, rec	1/29/2018	Organic	2,4-Dichlorophenol	n/a	=	75	%	EPA 8270C	-88	-88	32	105	
2017/18-1	Lab	LCS dup	1/29/2018	Organic	2,4-Dichlorophenol	n/a	=	25.5	µg/L	EPA 8270C	0.51	1			
2017/18-1	Lab	LCS dup, rec	1/29/2018	Organic	2,4-Dichlorophenol	n/a	=	102	%	EPA 8270C	-88	-88	32	105	
2017/18-1	Lab	LCS, RPD	1/29/2018	Organic	2,4-Dichlorophenol	n/a	=	31	%	EPA 8270C	-88	-88	0	30	IL
2017/18-1	000NONPJ	srgt matrix spike	1/12/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	11.5	µg/L	EPA 515.3	-88	-88			
2017/18-1	000NONPJ	srgt matrix spike, rec	1/12/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	115	%	EPA 515.3	-88	-88	70	130	
2017/18-1	000NONPJ	srgt matrix spike dup	1/12/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.7	µg/L	EPA 515.3	-88	-88			
2017/18-1	000NONPJ	srgt matrix spike dup, rec	1/12/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	107	%	EPA 515.3	-88	-88	70	130	
2017/18-1	000NONPJ	srgt matrix spike	1/12/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	11.3	µg/L	EPA 515.3	-88	-88			
2017/18-1	000NONPJ	srgt matrix spike, rec	1/12/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	113	%	EPA 515.3	-88	-88	70	130	
2017/18-1	000NONPJ	srgt matrix spike dup	1/12/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.9	µg/L	EPA 515.3	-88	-88			
2017/18-1	000NONPJ	srgt matrix spike dup, rec	1/12/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	109	%	EPA 515.3	-88	-88	70	130	
2017/18-1	Lab	srgt method blank	1/12/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.2	µg/L	EPA 515.3	-88	-88			
2017/18-1	Lab	srgt method blank, rec	1/12/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	102	%	EPA 515.3	-88	-88	70	130	
2017/18-1	Lab	srgt LCS	1/12/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.7	µg/L	EPA 515.3	-88	-88			
2017/18-1	Lab	srgt LCS, rec	1/12/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	107	%	EPA 515.3	-88	-88	70	130	
2017/18-1	ME-CC	srgt environ	1/13/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.22	µg/L	EPA 515.3	-88	-88			
2017/18-1	ME-CC	srgt environ, rec	1/13/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	92	%	EPA 515.3	-88	-88	70	130	
2017/18-1	ME-SCR	srgt environ	1/12/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.91	µg/L	EPA 515.3	-88	-88			
2017/18-1	ME-SCR	srgt environ, rec	1/12/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	99	%	EPA 515.3	-88	-88	70	130	
2017/18-1	ME-VR2	srgt environ	1/12/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	8.46	µg/L	EPA 515.3	-88	-88			
2017/18-1	ME-VR2	srgt environ, rec	1/12/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	85	%	EPA 515.3	-88	-88	70	130	
2017/18-1	MO-CAM	srgt environ	1/13/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.53	µg/L	EPA 515.3	-88	-88			
2017/18-1	MO-CAM	srgt environ, rec	1/13/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	95	%	EPA 515.3	-88	-88	70	130	
2017/18-1	MO-FIL	srgt environ	1/13/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.71	µg/L	EPA 515.3	-88	-88			
2017/18-1	MO-FIL	srgt environ, rec	1/13/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	97	%	EPA 515.3	-88	-88	70	130	
2017/18-1	MO-HUE	srgt environ	1/13/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.38	µg/L	EPA 515.3	-88	-88			
2017/18-1	MO-HUE	srgt environ, rec	1/13/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	94	%	EPA 515.3	-88	-88	70	130	
2017/18-1	MO-MEI	srgt environ	1/13/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.84	µg/L	EPA 515.3	-88	-88			
2017/18-1	MO-MEI	srgt environ, rec	1/13/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	98	%	EPA 515.3	-88	-88	70	130	
2017/18-1	MO-MPK	srgt environ	1/13/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	8.93	µg/L	EPA 515.3	-88	-88			
2017/18-1	MO-MPK	srgt environ, rec	1/13/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	89	%	EPA 515.3	-88	-88	70	130	
2017/18-1	MO-OJA	srgt environ	1/13/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	8.14	µg/L	EPA 515.3	-88	-88			
2017/18-1	MO-OJA	srgt environ, rec	1/13/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	81	%	EPA 515.3	-88	-88	70	130	
2017/18-1	MO-OXN	srgt environ	1/13/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.24	µg/L	EPA 515.3	-88	-88			
2017/18-1	MO-OXN	srgt environ, rec	1/13/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	92	%	EPA 515.3	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	MO-SIM	srgt environ	1/13/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.35	µg/L	EPA 515.3	-88	-88			
2017/18-1	MO-SIM	srgt environ, rec	1/13/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	94	%	EPA 515.3	-88	-88	70	130	
2017/18-1	MO-SPA	srgt environ	1/13/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	8.86	µg/L	EPA 515.3	-88	-88			
2017/18-1	MO-SPA	srgt environ, rec	1/13/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	89	%	EPA 515.3	-88	-88	70	130	
2017/18-1	MO-THO	srgt environ	1/13/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10	µg/L	EPA 515.3	-88	-88			
2017/18-1	MO-THO	srgt environ, rec	1/13/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	100	%	EPA 515.3	-88	-88	70	130	
2017/18-1	MO-VEN	srgt environ	1/12/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.79	µg/L	EPA 515.3	-88	-88			
2017/18-1	MO-VEN	srgt environ, rec	1/12/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	98	%	EPA 515.3	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike	1/25/2018	Organic	2,4-Dimethylphenol	n/a	=	13.5	µg/L	EPA 625	0.3	1			
2017/18-1	000NONPJ	matrix spike, rec	1/25/2018	Organic	2,4-Dimethylphenol	n/a	=	54	%	EPA 625	-88	-88	32	119	
2017/18-1	000NONPJ	matrix spike dup	1/25/2018	Organic	2,4-Dimethylphenol	n/a	=	14.5	µg/L	EPA 625	0.3	1			
2017/18-1	000NONPJ	matrix spike dup, rec	1/25/2018	Organic	2,4-Dimethylphenol	n/a	=	58	%	EPA 625	-88	-88	32	119	
2017/18-1	000NONPJ	matrix spike, RPD	1/25/2018	Organic	2,4-Dimethylphenol	n/a	=	7	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/15/2018	Organic	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1			
2017/18-1	Lab	LCS	1/15/2018	Organic	2,4-Dimethylphenol	n/a	=	13.5	µg/L	EPA 625	0.3	1			
2017/18-1	Lab	LCS, rec	1/15/2018	Organic	2,4-Dimethylphenol	n/a	=	54	%	EPA 625	-88	-88	32	119	
2017/18-1	Lab	LCS dup	1/15/2018	Organic	2,4-Dimethylphenol	n/a	=	13.6	µg/L	EPA 625	0.3	1			
2017/18-1	Lab	LCS dup, rec	1/15/2018	Organic	2,4-Dimethylphenol	n/a	=	54	%	EPA 625	-88	-88	32	119	
2017/18-1	Lab	LCS, RPD	1/15/2018	Organic	2,4-Dimethylphenol	n/a	=	0.6	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/25/2018	Organic	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1			
2017/18-1	Lab	LCS	1/25/2018	Organic	2,4-Dimethylphenol	n/a	=	17.5	µg/L	EPA 625	0.3	1			
2017/18-1	Lab	LCS, rec	1/25/2018	Organic	2,4-Dimethylphenol	n/a	=	70	%	EPA 625	-88	-88	32	119	
2017/18-1	Lab	method blank	1/29/2018	Organic	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2			
2017/18-1	Lab	LCS	1/29/2018	Organic	2,4-Dimethylphenol	n/a	=	9.02	µg/L	EPA 8270C	1	2			
2017/18-1	Lab	LCS, rec	1/29/2018	Organic	2,4-Dimethylphenol	n/a	=	36	%	EPA 8270C	-88	-88	31	97	
2017/18-1	Lab	LCS dup	1/29/2018	Organic	2,4-Dimethylphenol	n/a	=	15	µg/L	EPA 8270C	1	2			
2017/18-1	Lab	LCS dup, rec	1/29/2018	Organic	2,4-Dimethylphenol	n/a	=	60	%	EPA 8270C	-88	-88	31	97	
2017/18-1	Lab	LCS, RPD	1/29/2018	Organic	2,4-Dimethylphenol	n/a	=	50	%	EPA 8270C	-88	-88	0	30	IL
2017/18-1	000NONPJ	matrix spike	1/25/2018	Organic	2,4-Dinitrophenol	n/a	=	16.6	µg/L	EPA 625	1.6	10			
2017/18-1	000NONPJ	matrix spike, rec	1/25/2018	Organic	2,4-Dinitrophenol	n/a	=	67	%	EPA 625	-88	-88	0.1	191	
2017/18-1	000NONPJ	matrix spike dup	1/25/2018	Organic	2,4-Dinitrophenol	n/a	=	15.8	µg/L	EPA 625	1.6	10			
2017/18-1	000NONPJ	matrix spike dup, rec	1/25/2018	Organic	2,4-Dinitrophenol	n/a	=	63	%	EPA 625	-88	-88	0.1	191	
2017/18-1	000NONPJ	matrix spike, RPD	1/25/2018	Organic	2,4-Dinitrophenol	n/a	=	5	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/15/2018	Organic	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10			
2017/18-1	Lab	LCS	1/15/2018	Organic	2,4-Dinitrophenol	n/a	DNQ	5.38	µg/L	EPA 625	1.6	10			
2017/18-1	Lab	LCS, rec	1/15/2018	Organic	2,4-Dinitrophenol	n/a	=	22	%	EPA 625	-88	-88	0.1	191	
2017/18-1	Lab	LCS dup	1/15/2018	Organic	2,4-Dinitrophenol	n/a	DNQ	8	µg/L	EPA 625	1.6	10			
2017/18-1	Lab	LCS dup, rec	1/15/2018	Organic	2,4-Dinitrophenol	n/a	=	32	%	EPA 625	-88	-88	0.1	191	
2017/18-1	Lab	LCS, RPD	1/15/2018	Organic	2,4-Dinitrophenol	n/a	=	39	%	EPA 625	-88	-88	0	30	IL
2017/18-1	Lab	method blank	1/25/2018	Organic	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10			
2017/18-1	Lab	LCS	1/25/2018	Organic	2,4-Dinitrophenol	n/a	=	15.4	µg/L	EPA 625	1.6	10			
2017/18-1	Lab	LCS, rec	1/25/2018	Organic	2,4-Dinitrophenol	n/a	=	62	%	EPA 625	-88	-88	0.1	191	
2017/18-1	Lab	method blank	1/29/2018	Organic	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2			
2017/18-1	Lab	LCS	1/29/2018	Organic	2,4-Dinitrophenol	n/a	=	25	µg/L	EPA 8270C	1	2			
2017/18-1	Lab	LCS, rec	1/29/2018	Organic	2,4-Dinitrophenol	n/a	=	100	%	EPA 8270C	-88	-88	7	155	
2017/18-1	Lab	LCS dup	1/29/2018	Organic	2,4-Dinitrophenol	n/a	=	25.1	µg/L	EPA 8270C	1	2			
2017/18-1	Lab	LCS dup, rec	1/29/2018	Organic	2,4-Dinitrophenol	n/a	=	100	%	EPA 8270C	-88	-88	7	155	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	Lab	LCS, RPD	1/29/2018	Organic	2,4-Dinitrophenol	n/a	=	0.3	%	EPA 8270C	-88	-88	0	30	
2017/18-1	000NONPJ	matrix spike	1/25/2018	Organic	2,4-Dinitrotoluene	n/a	=	20.8	µg/L	EPA 625	0.18	1			
2017/18-1	000NONPJ	matrix spike, rec	1/25/2018	Organic	2,4-Dinitrotoluene	n/a	=	83	%	EPA 625	-88	-88	39	139	
2017/18-1	000NONPJ	matrix spike dup	1/25/2018	Organic	2,4-Dinitrotoluene	n/a	=	20	µg/L	EPA 625	0.18	1			
2017/18-1	000NONPJ	matrix spike dup, rec	1/25/2018	Organic	2,4-Dinitrotoluene	n/a	=	80	%	EPA 625	-88	-88	39	139	
2017/18-1	000NONPJ	matrix spike, RPD	1/25/2018	Organic	2,4-Dinitrotoluene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/15/2018	Organic	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2017/18-1	Lab	LCS	1/15/2018	Organic	2,4-Dinitrotoluene	n/a	=	18.5	µg/L	EPA 625	0.18	1			
2017/18-1	Lab	LCS, rec	1/15/2018	Organic	2,4-Dinitrotoluene	n/a	=	74	%	EPA 625	-88	-88	39	139	
2017/18-1	Lab	LCS dup	1/15/2018	Organic	2,4-Dinitrotoluene	n/a	=	19.3	µg/L	EPA 625	0.18	1			
2017/18-1	Lab	LCS dup, rec	1/15/2018	Organic	2,4-Dinitrotoluene	n/a	=	77	%	EPA 625	-88	-88	39	139	
2017/18-1	Lab	LCS, RPD	1/15/2018	Organic	2,4-Dinitrotoluene	n/a	=	5	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/25/2018	Organic	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2017/18-1	Lab	LCS	1/25/2018	Organic	2,4-Dinitrotoluene	n/a	=	21.9	µg/L	EPA 625	0.18	1			
2017/18-1	Lab	LCS, rec	1/25/2018	Organic	2,4-Dinitrotoluene	n/a	=	87	%	EPA 625	-88	-88	39	139	
2017/18-1	000NONPJ	matrix spike	1/25/2018	Organic	2,6-Dinitrotoluene	n/a	=	24.5	µg/L	EPA 625	0.27	1			
2017/18-1	000NONPJ	matrix spike, rec	1/25/2018	Organic	2,6-Dinitrotoluene	n/a	=	98	%	EPA 625	-88	-88	50	158	
2017/18-1	000NONPJ	matrix spike dup	1/25/2018	Organic	2,6-Dinitrotoluene	n/a	=	17	µg/L	EPA 625	0.27	1			
2017/18-1	000NONPJ	matrix spike dup, rec	1/25/2018	Organic	2,6-Dinitrotoluene	n/a	=	68	%	EPA 625	-88	-88	50	158	
2017/18-1	000NONPJ	matrix spike, RPD	1/25/2018	Organic	2,6-Dinitrotoluene	n/a	=	36	%	EPA 625	-88	-88	0	30	IL
2017/18-1	Lab	method blank	1/15/2018	Organic	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2017/18-1	Lab	LCS	1/15/2018	Organic	2,6-Dinitrotoluene	n/a	=	16.6	µg/L	EPA 625	0.27	1			
2017/18-1	Lab	LCS, rec	1/15/2018	Organic	2,6-Dinitrotoluene	n/a	=	66	%	EPA 625	-88	-88	50	158	
2017/18-1	Lab	LCS dup	1/15/2018	Organic	2,6-Dinitrotoluene	n/a	=	17.9	µg/L	EPA 625	0.27	1			
2017/18-1	Lab	LCS dup, rec	1/15/2018	Organic	2,6-Dinitrotoluene	n/a	=	72	%	EPA 625	-88	-88	50	158	
2017/18-1	Lab	LCS, RPD	1/15/2018	Organic	2,6-Dinitrotoluene	n/a	=	8	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/25/2018	Organic	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2017/18-1	Lab	LCS	1/25/2018	Organic	2,6-Dinitrotoluene	n/a	=	19.7	µg/L	EPA 625	0.27	1			
2017/18-1	Lab	LCS, rec	1/25/2018	Organic	2,6-Dinitrotoluene	n/a	=	79	%	EPA 625	-88	-88	50	158	
2017/18-1	000NONPJ	matrix spike	1/12/2018	Organic	2-Chloroethyl vinyl ether	n/a	=	67.8	µg/L	EPA 624	0.28	1			
2017/18-1	000NONPJ	matrix spike, rec	1/12/2018	Organic	2-Chloroethyl vinyl ether	n/a	=	136	%	EPA 624	-88	-88	0.1	305	
2017/18-1	000NONPJ	matrix spike dup	1/12/2018	Organic	2-Chloroethyl vinyl ether	n/a	=	67.8	µg/L	EPA 624	0.28	1			
2017/18-1	000NONPJ	matrix spike dup, rec	1/12/2018	Organic	2-Chloroethyl vinyl ether	n/a	=	136	%	EPA 624	-88	-88	0.1	305	
2017/18-1	000NONPJ	matrix spike, RPD	1/12/2018	Organic	2-Chloroethyl vinyl ether	n/a	=	0.09	%	EPA 624	-88	-88	0	25	
2017/18-1	Lab	LCS	1/11/2018	Organic	2-Chloroethyl vinyl ether	n/a	=	51.9	µg/L	EPA 624	0.28	1			
2017/18-1	Lab	LCS, rec	1/11/2018	Organic	2-Chloroethyl vinyl ether	n/a	=	104	%	EPA 624	-88	-88	0.1	305	
2017/18-1	Lab	LCS dup	1/11/2018	Organic	2-Chloroethyl vinyl ether	n/a	=	47.5	µg/L	EPA 624	0.28	1			
2017/18-1	Lab	LCS dup, rec	1/11/2018	Organic	2-Chloroethyl vinyl ether	n/a	=	95	%	EPA 624	-88	-88	0.1	305	
2017/18-1	Lab	LCS, RPD	1/11/2018	Organic	2-Chloroethyl vinyl ether	n/a	=	9	%	EPA 624	-88	-88	0	25	
2017/18-1	Lab	method blank	1/11/2018	Organic	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1			
2017/18-1	000NONPJ	matrix spike	1/25/2018	Organic	2-Chloronaphthalene	n/a	=	27.5	µg/L	EPA 625	0.45	1			
2017/18-1	000NONPJ	matrix spike, rec	1/25/2018	Organic	2-Chloronaphthalene	n/a	=	110	%	EPA 625	-88	-88	60	118	
2017/18-1	000NONPJ	matrix spike dup	1/25/2018	Organic	2-Chloronaphthalene	n/a	=	17.3	µg/L	EPA 625	0.45	1			
2017/18-1	000NONPJ	matrix spike dup, rec	1/25/2018	Organic	2-Chloronaphthalene	n/a	=	69	%	EPA 625	-88	-88	60	118	
2017/18-1	000NONPJ	matrix spike, RPD	1/25/2018	Organic	2-Chloronaphthalene	n/a	=	45	%	EPA 625	-88	-88	0	30	IL
2017/18-1	Lab	method blank	1/15/2018	Organic	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1			
2017/18-1	Lab	LCS	1/15/2018	Organic	2-Chloronaphthalene	n/a	=	16.6	µg/L	EPA 625	0.45	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	Lab	LCS, rec	1/15/2018	Organic	2-Chloronaphthalene	n/a	=	66	%	EPA 625	-88	-88	60	118	
2017/18-1	Lab	LCS dup	1/15/2018	Organic	2-Chloronaphthalene	n/a	=	18.4	µg/L	EPA 625	0.45	1			
2017/18-1	Lab	LCS dup, rec	1/15/2018	Organic	2-Chloronaphthalene	n/a	=	74	%	EPA 625	-88	-88	60	118	
2017/18-1	Lab	LCS, RPD	1/15/2018	Organic	2-Chloronaphthalene	n/a	=	11	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/25/2018	Organic	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1			
2017/18-1	Lab	LCS	1/25/2018	Organic	2-Chloronaphthalene	n/a	=	21.9	µg/L	EPA 625	0.45	1			
2017/18-1	Lab	LCS, rec	1/25/2018	Organic	2-Chloronaphthalene	n/a	=	88	%	EPA 625	-88	-88	60	118	
2017/18-1	000NONPJ	matrix spike	1/25/2018	Organic	2-Chlorophenol	n/a	=	16.2	µg/L	EPA 625	0.28	1			
2017/18-1	000NONPJ	matrix spike, rec	1/25/2018	Organic	2-Chlorophenol	n/a	=	65	%	EPA 625	-88	-88	23	134	
2017/18-1	000NONPJ	matrix spike dup	1/25/2018	Organic	2-Chlorophenol	n/a	=	16.3	µg/L	EPA 625	0.28	1			
2017/18-1	000NONPJ	matrix spike dup, rec	1/25/2018	Organic	2-Chlorophenol	n/a	=	65	%	EPA 625	-88	-88	23	134	
2017/18-1	000NONPJ	matrix spike, RPD	1/25/2018	Organic	2-Chlorophenol	n/a	=	1	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/15/2018	Organic	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1			
2017/18-1	Lab	LCS	1/15/2018	Organic	2-Chlorophenol	n/a	=	14.1	µg/L	EPA 625	0.28	1			
2017/18-1	Lab	LCS, rec	1/15/2018	Organic	2-Chlorophenol	n/a	=	56	%	EPA 625	-88	-88	23	134	
2017/18-1	Lab	LCS dup	1/15/2018	Organic	2-Chlorophenol	n/a	=	15.4	µg/L	EPA 625	0.28	1			
2017/18-1	Lab	LCS dup, rec	1/15/2018	Organic	2-Chlorophenol	n/a	=	62	%	EPA 625	-88	-88	23	134	
2017/18-1	Lab	LCS, RPD	1/15/2018	Organic	2-Chlorophenol	n/a	=	9	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/25/2018	Organic	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1			
2017/18-1	Lab	LCS	1/25/2018	Organic	2-Chlorophenol	n/a	=	16.6	µg/L	EPA 625	0.28	1			
2017/18-1	Lab	LCS, rec	1/25/2018	Organic	2-Chlorophenol	n/a	=	66	%	EPA 625	-88	-88	23	134	
2017/18-1	Lab	method blank	1/29/2018	Organic	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1			
2017/18-1	Lab	LCS	1/29/2018	Organic	2-Chlorophenol	n/a	=	16.6	µg/L	EPA 8270C	0.65	1			
2017/18-1	Lab	LCS, rec	1/29/2018	Organic	2-Chlorophenol	n/a	=	67	%	EPA 8270C	-88	-88	27	90	
2017/18-1	Lab	LCS dup	1/29/2018	Organic	2-Chlorophenol	n/a	=	17.1	µg/L	EPA 8270C	0.65	1			
2017/18-1	Lab	LCS dup, rec	1/29/2018	Organic	2-Chlorophenol	n/a	=	68	%	EPA 8270C	-88	-88	27	90	
2017/18-1	Lab	LCS, RPD	1/29/2018	Organic	2-Chlorophenol	n/a	=	3	%	EPA 8270C	-88	-88	0	30	
2017/18-1	000NONPJ	srgt matrix spike	1/25/2018	Organic	2-Fluorobiphenyl	n/a	=	19.9	µg/L	EPA 625	-88	-88			
2017/18-1	000NONPJ	srgt matrix spike, rec	1/25/2018	Organic	2-Fluorobiphenyl	n/a	=	80	%	EPA 625	-88	-88	22	107	
2017/18-1	000NONPJ	srgt matrix spike dup	1/25/2018	Organic	2-Fluorobiphenyl	n/a	=	17.8	µg/L	EPA 625	-88	-88			
2017/18-1	000NONPJ	srgt matrix spike dup, rec	1/25/2018	Organic	2-Fluorobiphenyl	n/a	=	71	%	EPA 625	-88	-88	22	107	
2017/18-1	Lab	srgt method blank	1/15/2018	Organic	2-Fluorobiphenyl	n/a	=	17.6	µg/L	EPA 625	-88	-88			
2017/18-1	Lab	srgt method blank, rec	1/15/2018	Organic	2-Fluorobiphenyl	n/a	=	70	%	EPA 625	-88	-88	22	107	
2017/18-1	Lab	srgt LCS	1/15/2018	Organic	2-Fluorobiphenyl	n/a	=	17.8	µg/L	EPA 625	-88	-88			
2017/18-1	Lab	srgt LCS, rec	1/15/2018	Organic	2-Fluorobiphenyl	n/a	=	71	%	EPA 625	-88	-88	22	107	
2017/18-1	Lab	srgt LCS dup	1/15/2018	Organic	2-Fluorobiphenyl	n/a	=	19.1	µg/L	EPA 625	-88	-88			
2017/18-1	Lab	srgt LCS dup, rec	1/15/2018	Organic	2-Fluorobiphenyl	n/a	=	76	%	EPA 625	-88	-88	22	107	
2017/18-1	Lab	srgt method blank	1/25/2018	Organic	2-Fluorobiphenyl	n/a	=	24.2	µg/L	EPA 625	-88	-88			
2017/18-1	Lab	srgt method blank, rec	1/25/2018	Organic	2-Fluorobiphenyl	n/a	=	97	%	EPA 625	-88	-88	22	107	
2017/18-1	Lab	srgt LCS	1/25/2018	Organic	2-Fluorobiphenyl	n/a	=	22.7	µg/L	EPA 625	-88	-88			
2017/18-1	Lab	srgt LCS, rec	1/25/2018	Organic	2-Fluorobiphenyl	n/a	=	91	%	EPA 625	-88	-88	22	107	
2017/18-1	Lab	srgt method blank	2/1/2018	Organic	2-Fluorobiphenyl	n/a	=	14.1	µg/L	EPA 8270C	-88	-88			
2017/18-1	Lab	srgt method blank, rec	2/1/2018	Organic	2-Fluorobiphenyl	n/a	=	56	%	EPA 8270C	-88	-88	51	139	
2017/18-1	Lab	srgt LCS	2/1/2018	Organic	2-Fluorobiphenyl	n/a	=	14.7	µg/L	EPA 8270C	-88	-88			
2017/18-1	Lab	srgt LCS, rec	2/1/2018	Organic	2-Fluorobiphenyl	n/a	=	59	%	EPA 8270C	-88	-88	51	139	
2017/18-1	Lab	srgt LCS dup	2/1/2018	Organic	2-Fluorobiphenyl	n/a	=	15.5	µg/L	EPA 8270C	-88	-88			
2017/18-1	Lab	srgt LCS dup, rec	2/1/2018	Organic	2-Fluorobiphenyl	n/a	=	62	%	EPA 8270C	-88	-88	51	139	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	ME-CC	srgt environ	1/25/2018	Organic	2-Fluorobiphenyl	n/a	=	26	µg/L	EPA 625	-88	-88			
2017/18-1	ME-CC	srgt environ, rec	1/25/2018	Organic	2-Fluorobiphenyl	n/a	=	104	%	EPA 625	-88	-88	22	107	
2017/18-1	ME-CC	srgt environ	2/1/2018	Organic	2-Fluorobiphenyl	n/a	=	11.3	µg/L	EPA 8270C	-88	-88			GN
2017/18-1	ME-CC	srgt environ, rec	2/1/2018	Organic	2-Fluorobiphenyl	n/a	=	45	%	EPA 8270C	-88	-88	51	139	GN
2017/18-1	ME-SCR	srgt environ	1/15/2018	Organic	2-Fluorobiphenyl	n/a	=	17.9	µg/L	EPA 625	-88	-88			
2017/18-1	ME-SCR	srgt environ, rec	1/15/2018	Organic	2-Fluorobiphenyl	n/a	=	72	%	EPA 625	-88	-88	22	107	
2017/18-1	ME-SCR	srgt environ	2/1/2018	Organic	2-Fluorobiphenyl	n/a	=	13.2	µg/L	EPA 8270C	-88	-88			
2017/18-1	ME-SCR	srgt environ, rec	2/1/2018	Organic	2-Fluorobiphenyl	n/a	=	53	%	EPA 8270C	-88	-88	51	139	
2017/18-1	ME-VR2	srgt environ	1/15/2018	Organic	2-Fluorobiphenyl	n/a	=	151	µg/L	EPA 625	-88	-88			
2017/18-1	ME-VR2	srgt environ, rec	1/15/2018	Organic	2-Fluorobiphenyl	n/a	=	60	%	EPA 625	-88	-88	22	107	
2017/18-1	ME-VR2	srgt environ	2/1/2018	Organic	2-Fluorobiphenyl	n/a	=	12.5	µg/L	EPA 8270C	-88	-88			GN
2017/18-1	ME-VR2	srgt environ, rec	2/1/2018	Organic	2-Fluorobiphenyl	n/a	=	48	%	EPA 8270C	-88	-88	51	139	GN
2017/18-1	MO-CAM	srgt environ	1/26/2018	Organic	2-Fluorobiphenyl	n/a	=	26.1	µg/L	EPA 625	-88	-88			
2017/18-1	MO-CAM	srgt environ, rec	1/26/2018	Organic	2-Fluorobiphenyl	n/a	=	104	%	EPA 625	-88	-88	22	107	
2017/18-1	MO-CAM	srgt environ	2/2/2018	Organic	2-Fluorobiphenyl	n/a	=	15.3	µg/L	EPA 8270C	-88	-88			
2017/18-1	MO-CAM	srgt environ, rec	2/2/2018	Organic	2-Fluorobiphenyl	n/a	=	61	%	EPA 8270C	-88	-88	51	139	
2017/18-1	MO-FIL	srgt environ	1/26/2018	Organic	2-Fluorobiphenyl	n/a	=	17.2	µg/L	EPA 625	-88	-88			
2017/18-1	MO-FIL	srgt environ, rec	1/26/2018	Organic	2-Fluorobiphenyl	n/a	=	69	%	EPA 625	-88	-88	22	107	
2017/18-1	MO-FIL	srgt environ	2/2/2018	Organic	2-Fluorobiphenyl	n/a	=	15.4	µg/L	EPA 8270C	-88	-88			
2017/18-1	MO-FIL	srgt environ, rec	2/2/2018	Organic	2-Fluorobiphenyl	n/a	=	62	%	EPA 8270C	-88	-88	51	139	
2017/18-1	MO-HUE	srgt environ	1/15/2018	Organic	2-Fluorobiphenyl	n/a	=	18.4	µg/L	EPA 625	-88	-88			
2017/18-1	MO-HUE	srgt environ, rec	1/15/2018	Organic	2-Fluorobiphenyl	n/a	=	74	%	EPA 625	-88	-88	22	107	
2017/18-1	MO-HUE	srgt environ	2/1/2018	Organic	2-Fluorobiphenyl	n/a	=	12.4	µg/L	EPA 8270C	-88	-88			GN
2017/18-1	MO-HUE	srgt environ, rec	2/1/2018	Organic	2-Fluorobiphenyl	n/a	=	50	%	EPA 8270C	-88	-88	51	139	GN
2017/18-1	MO-MEI	srgt environ	1/26/2018	Organic	2-Fluorobiphenyl	n/a	=	19.2	µg/L	EPA 625	-88	-88			
2017/18-1	MO-MEI	srgt environ, rec	1/26/2018	Organic	2-Fluorobiphenyl	n/a	=	77	%	EPA 625	-88	-88	22	107	
2017/18-1	MO-MEI	srgt environ	2/2/2018	Organic	2-Fluorobiphenyl	n/a	=	13.8	µg/L	EPA 8270C	-88	-88			
2017/18-1	MO-MEI	srgt environ, rec	2/2/2018	Organic	2-Fluorobiphenyl	n/a	=	55	%	EPA 8270C	-88	-88	51	139	
2017/18-1	MO-MPK	srgt environ	1/25/2018	Organic	2-Fluorobiphenyl	n/a	=	18.1	µg/L	EPA 625	-88	-88			
2017/18-1	MO-MPK	srgt environ, rec	1/25/2018	Organic	2-Fluorobiphenyl	n/a	=	72	%	EPA 625	-88	-88	22	107	
2017/18-1	MO-MPK	srgt environ	2/1/2018	Organic	2-Fluorobiphenyl	n/a	=	12.1	µg/L	EPA 8270C	-88	-88			GN
2017/18-1	MO-MPK	srgt environ, rec	2/1/2018	Organic	2-Fluorobiphenyl	n/a	=	48	%	EPA 8270C	-88	-88	51	139	GN
2017/18-1	MO-OJA	srgt environ	1/25/2018	Organic	2-Fluorobiphenyl	n/a	=	149	µg/L	EPA 625	-88	-88			
2017/18-1	MO-OJA	srgt environ, rec	1/25/2018	Organic	2-Fluorobiphenyl	n/a	=	60	%	EPA 625	-88	-88	22	107	
2017/18-1	MO-OJA	srgt environ	2/2/2018	Organic	2-Fluorobiphenyl	n/a	=	116	µg/L	EPA 8270C	-88	-88			GN
2017/18-1	MO-OJA	srgt environ, rec	2/2/2018	Organic	2-Fluorobiphenyl	n/a	=	47	%	EPA 8270C	-88	-88	51	139	GN
2017/18-1	MO-OXN	srgt environ	1/26/2018	Organic	2-Fluorobiphenyl	n/a	=	19.6	µg/L	EPA 625	-88	-88			
2017/18-1	MO-OXN	srgt environ, rec	1/26/2018	Organic	2-Fluorobiphenyl	n/a	=	78	%	EPA 625	-88	-88	22	107	
2017/18-1	MO-OXN	srgt environ	2/2/2018	Organic	2-Fluorobiphenyl	n/a	=	15.4	µg/L	EPA 8270C	-88	-88			
2017/18-1	MO-OXN	srgt environ, rec	2/2/2018	Organic	2-Fluorobiphenyl	n/a	=	62	%	EPA 8270C	-88	-88	51	139	
2017/18-1	MO-SIM	srgt environ	1/15/2018	Organic	2-Fluorobiphenyl	n/a	=	19.9	µg/L	EPA 625	-88	-88			
2017/18-1	MO-SIM	srgt environ, rec	1/15/2018	Organic	2-Fluorobiphenyl	n/a	=	79	%	EPA 625	-88	-88	22	107	
2017/18-1	MO-SIM	srgt environ	2/1/2018	Organic	2-Fluorobiphenyl	n/a	=	12.7	µg/L	EPA 8270C	-88	-88			
2017/18-1	MO-SIM	srgt environ, rec	2/1/2018	Organic	2-Fluorobiphenyl	n/a	=	51	%	EPA 8270C	-88	-88	51	139	
2017/18-1	MO-SPA	srgt environ	1/15/2018	Organic	2-Fluorobiphenyl	n/a	=	16.2	µg/L	EPA 625	-88	-88			
2017/18-1	MO-SPA	srgt environ, rec	1/15/2018	Organic	2-Fluorobiphenyl	n/a	=	65	%	EPA 625	-88	-88	22	107	
2017/18-1	MO-SPA	srgt environ	2/1/2018	Organic	2-Fluorobiphenyl	n/a	=	13.8	µg/L	EPA 8270C	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	MO-SPA	srgt environ, rec	2/1/2018	Organic	2-Fluorobiphenyl	n/a	=	55	%	EPA 8270C	-88	-88	51	139	
2017/18-1	MO-THO	srgt environ	1/25/2018	Organic	2-Fluorobiphenyl	n/a	=	20.1	µg/L	EPA 625	-88	-88			
2017/18-1	MO-THO	srgt environ, rec	1/25/2018	Organic	2-Fluorobiphenyl	n/a	=	80	%	EPA 625	-88	-88	22	107	
2017/18-1	MO-THO	srgt environ	2/2/2018	Organic	2-Fluorobiphenyl	n/a	=	12.5	µg/L	EPA 8270C	-88	-88			GN
2017/18-1	MO-THO	srgt environ, rec	2/2/2018	Organic	2-Fluorobiphenyl	n/a	=	50	%	EPA 8270C	-88	-88	51	139	GN
2017/18-1	MO-VEN	srgt environ	1/15/2018	Organic	2-Fluorobiphenyl	n/a	=	9.14	µg/L	EPA 625	-88	-88			
2017/18-1	MO-VEN	srgt environ, rec	1/15/2018	Organic	2-Fluorobiphenyl	n/a	=	37	%	EPA 625	-88	-88	22	107	
2017/18-1	MO-VEN	srgt environ	2/1/2018	Organic	2-Fluorobiphenyl	n/a	=	14.5	µg/L	EPA 8270C	-88	-88			
2017/18-1	MO-VEN	srgt environ, rec	2/1/2018	Organic	2-Fluorobiphenyl	n/a	=	58	%	EPA 8270C	-88	-88	51	139	
2017/18-1	000NONPJ	srgt matrix spike	1/25/2018	Organic	2-Fluorophenol	n/a	=	26.9	µg/L	EPA 625	-88	-88			
2017/18-1	000NONPJ	srgt matrix spike, rec	1/25/2018	Organic	2-Fluorophenol	n/a	=	54	%	EPA 625	-88	-88	3	74	
2017/18-1	000NONPJ	srgt matrix spike dup	1/25/2018	Organic	2-Fluorophenol	n/a	=	26.9	µg/L	EPA 625	-88	-88			
2017/18-1	000NONPJ	srgt matrix spike dup, rec	1/25/2018	Organic	2-Fluorophenol	n/a	=	54	%	EPA 625	-88	-88	3	74	
2017/18-1	Lab	srgt method blank	1/15/2018	Organic	2-Fluorophenol	n/a	=	24.8	µg/L	EPA 625	-88	-88			
2017/18-1	Lab	srgt method blank, rec	1/15/2018	Organic	2-Fluorophenol	n/a	=	50	%	EPA 625	-88	-88	3	74	
2017/18-1	Lab	srgt LCS	1/15/2018	Organic	2-Fluorophenol	n/a	=	21.8	µg/L	EPA 625	-88	-88			
2017/18-1	Lab	srgt LCS, rec	1/15/2018	Organic	2-Fluorophenol	n/a	=	44	%	EPA 625	-88	-88	3	74	
2017/18-1	Lab	srgt LCS dup	1/15/2018	Organic	2-Fluorophenol	n/a	=	24.1	µg/L	EPA 625	-88	-88			
2017/18-1	Lab	srgt LCS dup, rec	1/15/2018	Organic	2-Fluorophenol	n/a	=	48	%	EPA 625	-88	-88	3	74	
2017/18-1	Lab	srgt method blank	1/25/2018	Organic	2-Fluorophenol	n/a	=	29.3	µg/L	EPA 625	-88	-88			
2017/18-1	Lab	srgt method blank, rec	1/25/2018	Organic	2-Fluorophenol	n/a	=	59	%	EPA 625	-88	-88	3	74	
2017/18-1	Lab	srgt LCS	1/25/2018	Organic	2-Fluorophenol	n/a	=	24.6	µg/L	EPA 625	-88	-88			
2017/18-1	Lab	srgt LCS, rec	1/25/2018	Organic	2-Fluorophenol	n/a	=	49	%	EPA 625	-88	-88	3	74	
2017/18-1	Lab	srgt method blank	1/29/2018	Organic	2-Fluorophenol	n/a	=	16.5	µg/L	EPA 8270C	-88	-88			
2017/18-1	Lab	srgt method blank, rec	1/29/2018	Organic	2-Fluorophenol	n/a	=	33	%	EPA 8270C	-88	-88	11	62	
2017/18-1	Lab	srgt LCS	1/29/2018	Organic	2-Fluorophenol	n/a	=	20.5	µg/L	EPA 8270C	-88	-88			
2017/18-1	Lab	srgt LCS, rec	1/29/2018	Organic	2-Fluorophenol	n/a	=	41	%	EPA 8270C	-88	-88	11	62	
2017/18-1	Lab	srgt LCS dup	1/29/2018	Organic	2-Fluorophenol	n/a	=	20	µg/L	EPA 8270C	-88	-88			
2017/18-1	Lab	srgt LCS dup, rec	1/29/2018	Organic	2-Fluorophenol	n/a	=	40	%	EPA 8270C	-88	-88	11	62	
2017/18-1	Lab	srgt method blank	2/1/2018	Organic	2-Fluorophenol	n/a	=	26.7	µg/L	EPA 8270C	-88	-88			
2017/18-1	Lab	srgt method blank, rec	2/1/2018	Organic	2-Fluorophenol	n/a	=	53	%	EPA 8270C	-88	-88	11	62	
2017/18-1	ME-CC	srgt environ	1/25/2018	Organic	2-Fluorophenol	n/a	=	24	µg/L	EPA 625	-88	-88			
2017/18-1	ME-CC	srgt environ, rec	1/25/2018	Organic	2-Fluorophenol	n/a	=	48	%	EPA 625	-88	-88	3	74	
2017/18-1	ME-CC	srgt environ	1/29/2018	Organic	2-Fluorophenol	n/a	=	13.9	µg/L	EPA 8270C	-88	-88			
2017/18-1	ME-CC	srgt environ, rec	1/29/2018	Organic	2-Fluorophenol	n/a	=	28	%	EPA 8270C	-88	-88	11	62	
2017/18-1	ME-SCR	srgt environ	1/15/2018	Organic	2-Fluorophenol	n/a	=	24.5	µg/L	EPA 625	-88	-88			
2017/18-1	ME-SCR	srgt environ, rec	1/15/2018	Organic	2-Fluorophenol	n/a	=	49	%	EPA 625	-88	-88	3	74	
2017/18-1	ME-SCR	srgt environ	1/29/2018	Organic	2-Fluorophenol	n/a	=	13.9	µg/L	EPA 8270C	-88	-88			
2017/18-1	ME-SCR	srgt environ, rec	1/29/2018	Organic	2-Fluorophenol	n/a	=	28	%	EPA 8270C	-88	-88	11	62	
2017/18-1	ME-VR2	srgt environ	1/15/2018	Organic	2-Fluorophenol	n/a	=	212	µg/L	EPA 625	-88	-88			
2017/18-1	ME-VR2	srgt environ, rec	1/15/2018	Organic	2-Fluorophenol	n/a	=	42	%	EPA 625	-88	-88	3	74	
2017/18-1	ME-VR2	srgt environ	1/29/2018	Organic	2-Fluorophenol	n/a	=	12.3	µg/L	EPA 8270C	-88	-88			
2017/18-1	ME-VR2	srgt environ, rec	1/29/2018	Organic	2-Fluorophenol	n/a	=	23	%	EPA 8270C	-88	-88	11	62	
2017/18-1	MO-CAM	srgt environ	1/26/2018	Organic	2-Fluorophenol	n/a	=	19	µg/L	EPA 625	-88	-88			
2017/18-1	MO-CAM	srgt environ, rec	1/26/2018	Organic	2-Fluorophenol	n/a	=	38	%	EPA 625	-88	-88	3	74	
2017/18-1	MO-CAM	srgt environ	1/29/2018	Organic	2-Fluorophenol	n/a	=	17.8	µg/L	EPA 8270C	-88	-88			
2017/18-1	MO-CAM	srgt environ, rec	1/29/2018	Organic	2-Fluorophenol	n/a	=	36	%	EPA 8270C	-88	-88	11	62	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	MO-FIL	srgt environ	1/26/2018	Organic	2-Fluorophenol	n/a	=	21.1	µg/L	EPA 625	-88	-88			
2017/18-1	MO-FIL	srgt environ, rec	1/26/2018	Organic	2-Fluorophenol	n/a	=	42	%	EPA 625	-88	-88	3	74	
2017/18-1	MO-FIL	srgt environ	1/29/2018	Organic	2-Fluorophenol	n/a	=	22.8	µg/L	EPA 8270C	-88	-88			
2017/18-1	MO-FIL	srgt environ, rec	1/29/2018	Organic	2-Fluorophenol	n/a	=	46	%	EPA 8270C	-88	-88	11	62	
2017/18-1	MO-HUE	srgt environ	1/15/2018	Organic	2-Fluorophenol	n/a	=	25.1	µg/L	EPA 625	-88	-88			
2017/18-1	MO-HUE	srgt environ, rec	1/15/2018	Organic	2-Fluorophenol	n/a	=	50	%	EPA 625	-88	-88	3	74	
2017/18-1	MO-HUE	srgt environ	1/29/2018	Organic	2-Fluorophenol	n/a	=	12.6	µg/L	EPA 8270C	-88	-88			
2017/18-1	MO-HUE	srgt environ, rec	1/29/2018	Organic	2-Fluorophenol	n/a	=	25	%	EPA 8270C	-88	-88	11	62	
2017/18-1	MO-MEI	srgt environ	1/26/2018	Organic	2-Fluorophenol	n/a	=	21.1	µg/L	EPA 625	-88	-88			
2017/18-1	MO-MEI	srgt environ, rec	1/26/2018	Organic	2-Fluorophenol	n/a	=	42	%	EPA 625	-88	-88	3	74	
2017/18-1	MO-MEI	srgt environ	1/29/2018	Organic	2-Fluorophenol	n/a	=	21.3	µg/L	EPA 8270C	-88	-88			
2017/18-1	MO-MEI	srgt environ, rec	1/29/2018	Organic	2-Fluorophenol	n/a	=	43	%	EPA 8270C	-88	-88	11	62	
2017/18-1	MO-MPK	srgt environ	1/25/2018	Organic	2-Fluorophenol	n/a	=	23	µg/L	EPA 625	-88	-88			
2017/18-1	MO-MPK	srgt environ, rec	1/25/2018	Organic	2-Fluorophenol	n/a	=	46	%	EPA 625	-88	-88	3	74	
2017/18-1	MO-MPK	srgt environ	1/29/2018	Organic	2-Fluorophenol	n/a	=	13.9	µg/L	EPA 8270C	-88	-88			
2017/18-1	MO-MPK	srgt environ, rec	1/29/2018	Organic	2-Fluorophenol	n/a	=	28	%	EPA 8270C	-88	-88	11	62	
2017/18-1	MO-OJA	srgt environ	1/25/2018	Organic	2-Fluorophenol	n/a	=	210	µg/L	EPA 625	-88	-88			
2017/18-1	MO-OJA	srgt environ, rec	1/25/2018	Organic	2-Fluorophenol	n/a	=	42	%	EPA 625	-88	-88	3	74	
2017/18-1	MO-OJA	srgt environ	1/29/2018	Organic	2-Fluorophenol	n/a	=	178	µg/L	EPA 8270C	-88	-88			
2017/18-1	MO-OJA	srgt environ, rec	1/29/2018	Organic	2-Fluorophenol	n/a	=	36	%	EPA 8270C	-88	-88	11	62	
2017/18-1	MO-OXN	srgt environ	1/26/2018	Organic	2-Fluorophenol	n/a	=	23.4	µg/L	EPA 625	-88	-88			
2017/18-1	MO-OXN	srgt environ, rec	1/26/2018	Organic	2-Fluorophenol	n/a	=	47	%	EPA 625	-88	-88	3	74	
2017/18-1	MO-OXN	srgt environ	1/29/2018	Organic	2-Fluorophenol	n/a	=	19	µg/L	EPA 8270C	-88	-88			
2017/18-1	MO-OXN	srgt environ, rec	1/29/2018	Organic	2-Fluorophenol	n/a	=	38	%	EPA 8270C	-88	-88	11	62	
2017/18-1	MO-SIM	srgt environ	1/15/2018	Organic	2-Fluorophenol	n/a	=	25.3	µg/L	EPA 625	-88	-88			
2017/18-1	MO-SIM	srgt environ, rec	1/15/2018	Organic	2-Fluorophenol	n/a	=	51	%	EPA 625	-88	-88	3	74	
2017/18-1	MO-SIM	srgt environ	1/29/2018	Organic	2-Fluorophenol	n/a	=	31.3	µg/L	EPA 8270C	-88	-88			GN
2017/18-1	MO-SIM	srgt environ, rec	1/29/2018	Organic	2-Fluorophenol	n/a	=	63	%	EPA 8270C	-88	-88	11	62	GN
2017/18-1	MO-SPA	srgt environ	1/15/2018	Organic	2-Fluorophenol	n/a	=	17	µg/L	EPA 625	-88	-88			
2017/18-1	MO-SPA	srgt environ, rec	1/15/2018	Organic	2-Fluorophenol	n/a	=	34	%	EPA 625	-88	-88	3	74	
2017/18-1	MO-SPA	srgt environ	1/29/2018	Organic	2-Fluorophenol	n/a	=	15.2	µg/L	EPA 8270C	-88	-88			
2017/18-1	MO-SPA	srgt environ, rec	1/29/2018	Organic	2-Fluorophenol	n/a	=	30	%	EPA 8270C	-88	-88	11	62	
2017/18-1	MO-THO	srgt environ	1/25/2018	Organic	2-Fluorophenol	n/a	=	25.6	µg/L	EPA 625	-88	-88			
2017/18-1	MO-THO	srgt environ, rec	1/25/2018	Organic	2-Fluorophenol	n/a	=	51	%	EPA 625	-88	-88	3	74	
2017/18-1	MO-THO	srgt environ	1/29/2018	Organic	2-Fluorophenol	n/a	=	22.3	µg/L	EPA 8270C	-88	-88			
2017/18-1	MO-THO	srgt environ, rec	1/29/2018	Organic	2-Fluorophenol	n/a	=	45	%	EPA 8270C	-88	-88	11	62	
2017/18-1	MO-VEN	srgt environ	1/15/2018	Organic	2-Fluorophenol	n/a	=	21.4	µg/L	EPA 625	-88	-88			
2017/18-1	MO-VEN	srgt environ, rec	1/15/2018	Organic	2-Fluorophenol	n/a	=	43	%	EPA 625	-88	-88	3	74	
2017/18-1	MO-VEN	srgt environ	1/29/2018	Organic	2-Fluorophenol	n/a	=	17.6	µg/L	EPA 8270C	-88	-88			
2017/18-1	MO-VEN	srgt environ, rec	1/29/2018	Organic	2-Fluorophenol	n/a	=	35	%	EPA 8270C	-88	-88	11	62	
2017/18-1	Lab	method blank	2/1/2018	Organic	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-1	Lab	method blank	1/29/2018	Organic	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1			
2017/18-1	000NONPJ	matrix spike	1/25/2018	Organic	2-Nitrophenol	n/a	=	17.8	µg/L	EPA 625	0.26	1			
2017/18-1	000NONPJ	matrix spike, rec	1/25/2018	Organic	2-Nitrophenol	n/a	=	71	%	EPA 625	-88	-88	29	182	
2017/18-1	000NONPJ	matrix spike dup	1/25/2018	Organic	2-Nitrophenol	n/a	=	18.1	µg/L	EPA 625	0.26	1			
2017/18-1	000NONPJ	matrix spike dup, rec	1/25/2018	Organic	2-Nitrophenol	n/a	=	72	%	EPA 625	-88	-88	29	182	
2017/18-1	000NONPJ	matrix spike, RPD	1/25/2018	Organic	2-Nitrophenol	n/a	=	2	%	EPA 625	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	Lab	method blank	1/15/2018	Organic	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2017/18-1	Lab	LCS	1/15/2018	Organic	2-Nitrophenol	n/a	=	15.6	µg/L	EPA 625	0.26	1			
2017/18-1	Lab	LCS, rec	1/15/2018	Organic	2-Nitrophenol	n/a	=	63	%	EPA 625	-88	-88	29	182	
2017/18-1	Lab	LCS dup	1/15/2018	Organic	2-Nitrophenol	n/a	=	17.6	µg/L	EPA 625	0.26	1			
2017/18-1	Lab	LCS dup, rec	1/15/2018	Organic	2-Nitrophenol	n/a	=	70	%	EPA 625	-88	-88	29	182	
2017/18-1	Lab	LCS, RPD	1/15/2018	Organic	2-Nitrophenol	n/a	=	12	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/25/2018	Organic	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2017/18-1	Lab	LCS	1/25/2018	Organic	2-Nitrophenol	n/a	=	19.7	µg/L	EPA 625	0.26	1			
2017/18-1	Lab	LCS, rec	1/25/2018	Organic	2-Nitrophenol	n/a	=	79	%	EPA 625	-88	-88	29	182	
2017/18-1	Lab	method blank	1/29/2018	Organic	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1			
2017/18-1	Lab	LCS	1/29/2018	Organic	2-Nitrophenol	n/a	=	18	µg/L	EPA 8270C	0.71	1			
2017/18-1	Lab	LCS, rec	1/29/2018	Organic	2-Nitrophenol	n/a	=	72	%	EPA 8270C	-88	-88	33	103	
2017/18-1	Lab	LCS dup	1/29/2018	Organic	2-Nitrophenol	n/a	=	27.2	µg/L	EPA 8270C	0.71	1			EUM
2017/18-1	Lab	LCS dup, rec	1/29/2018	Organic	2-Nitrophenol	n/a	=	109	%	EPA 8270C	-88	-88	33	103	EUM
2017/18-1	Lab	LCS, RPD	1/29/2018	Organic	2-Nitrophenol	n/a	=	41	%	EPA 8270C	-88	-88	0	30	IL
2017/18-1	000NONPJ	matrix spike	1/25/2018	Organic	3,3'-Dichlorobenzidine	n/a	DNQ	4.91	µg/L	EPA 625	1.2	5			
2017/18-1	000NONPJ	matrix spike, rec	1/25/2018	Organic	3,3'-Dichlorobenzidine	n/a	=	20	%	EPA 625	-88	-88	0.1	262	
2017/18-1	000NONPJ	matrix spike dup	1/25/2018	Organic	3,3'-Dichlorobenzidine	n/a	=	5.5	µg/L	EPA 625	1.2	5			
2017/18-1	000NONPJ	matrix spike dup, rec	1/25/2018	Organic	3,3'-Dichlorobenzidine	n/a	=	22	%	EPA 625	-88	-88	0.1	262	
2017/18-1	000NONPJ	matrix spike, RPD	1/25/2018	Organic	3,3'-Dichlorobenzidine	n/a	=	11	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/15/2018	Organic	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5			
2017/18-1	Lab	LCS	1/15/2018	Organic	3,3'-Dichlorobenzidine	n/a	=	16	µg/L	EPA 625	1.2	5			
2017/18-1	Lab	LCS, rec	1/15/2018	Organic	3,3'-Dichlorobenzidine	n/a	=	64	%	EPA 625	-88	-88	0.1	262	
2017/18-1	Lab	LCS dup	1/15/2018	Organic	3,3'-Dichlorobenzidine	n/a	=	11.6	µg/L	EPA 625	1.2	5			
2017/18-1	Lab	LCS dup, rec	1/15/2018	Organic	3,3'-Dichlorobenzidine	n/a	=	46	%	EPA 625	-88	-88	0.1	262	
2017/18-1	Lab	LCS, RPD	1/15/2018	Organic	3,3'-Dichlorobenzidine	n/a	=	32	%	EPA 625	-88	-88	0	30	IL
2017/18-1	Lab	method blank	1/25/2018	Organic	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5			
2017/18-1	Lab	LCS	1/25/2018	Organic	3,3'-Dichlorobenzidine	n/a	=	20.5	µg/L	EPA 625	1.2	5			
2017/18-1	Lab	LCS, rec	1/25/2018	Organic	3,3'-Dichlorobenzidine	n/a	=	82	%	EPA 625	-88	-88	0.1	262	
2017/18-1	Lab	method blank	1/29/2018	Organic	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1			
2017/18-1	Lab	method blank	2/1/2018	Organic	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1			
2017/18-1	000NONPJ	matrix spike	1/25/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	=	20.7	µg/L	EPA 625	1.7	5			
2017/18-1	000NONPJ	matrix spike, rec	1/25/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	=	83	%	EPA 625	-88	-88	0.1	181	
2017/18-1	000NONPJ	matrix spike dup	1/25/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	=	19.5	µg/L	EPA 625	1.7	5			
2017/18-1	000NONPJ	matrix spike dup, rec	1/25/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	=	78	%	EPA 625	-88	-88	0.1	181	
2017/18-1	000NONPJ	matrix spike, RPD	1/25/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	=	6	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/15/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5			
2017/18-1	Lab	LCS	1/15/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	=	6.92	µg/L	EPA 625	1.7	5			
2017/18-1	Lab	LCS, rec	1/15/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	=	28	%	EPA 625	-88	-88	0.1	181	
2017/18-1	Lab	LCS dup	1/15/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	=	12	µg/L	EPA 625	1.7	5			
2017/18-1	Lab	LCS dup, rec	1/15/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	=	48	%	EPA 625	-88	-88	0.1	181	
2017/18-1	Lab	LCS, RPD	1/15/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	=	54	%	EPA 625	-88	-88	0	30	IL
2017/18-1	Lab	method blank	1/25/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5			
2017/18-1	Lab	LCS	1/25/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	=	20.6	µg/L	EPA 625	1.7	5			
2017/18-1	Lab	LCS, rec	1/25/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	=	82	%	EPA 625	-88	-88	0.1	181	
2017/18-1	Lab	method blank	1/29/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1			
2017/18-1	Lab	LCS	1/29/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	=	32.6	µg/L	EPA 8270C	0.14	1			EUM

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	Lab	LCS, rec	1/29/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	=	131	%	EPA 8270C	-88	-88	33	118	EUM
2017/18-1	Lab	LCS dup	1/29/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	=	32.7	µg/L	EPA 8270C	0.14	1			EUM
2017/18-1	Lab	LCS dup, rec	1/29/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	=	131	%	EPA 8270C	-88	-88	33	118	EUM
2017/18-1	Lab	LCS, RPD	1/29/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	=	0.06	%	EPA 8270C	-88	-88	0	30	
2017/18-1	000NONPJ	srgt matrix spike	1/12/2018	Organic	4-Bromofluorobenzene	n/a	=	51.3	µg/L	EPA 624	-88	-88			
2017/18-1	000NONPJ	srgt matrix spike, rec	1/12/2018	Organic	4-Bromofluorobenzene	n/a	=	103	%	EPA 624	-88	-88	88	108	
2017/18-1	000NONPJ	srgt matrix spike dup	1/12/2018	Organic	4-Bromofluorobenzene	n/a	=	51	µg/L	EPA 624	-88	-88			
2017/18-1	000NONPJ	srgt matrix spike dup, rec	1/12/2018	Organic	4-Bromofluorobenzene	n/a	=	102	%	EPA 624	-88	-88	88	108	
2017/18-1	000NONPJ	srgt matrix spike	1/18/2018	Organic	4-Bromofluorobenzene	n/a	=	49.6	µg/L	EPA 8015D	-88	-88			
2017/18-1	000NONPJ	srgt matrix spike, rec	1/18/2018	Organic	4-Bromofluorobenzene	n/a	=	99	%	EPA 8015D	-88	-88	72	124	
2017/18-1	000NONPJ	srgt matrix spike dup	1/18/2018	Organic	4-Bromofluorobenzene	n/a	=	49.2	µg/L	EPA 8015D	-88	-88			
2017/18-1	000NONPJ	srgt matrix spike dup, rec	1/18/2018	Organic	4-Bromofluorobenzene	n/a	=	98	%	EPA 8015D	-88	-88	72	124	
2017/18-1	Lab	srgt LCS	1/11/2018	Organic	4-Bromofluorobenzene	n/a	=	52.7	µg/L	EPA 624	-88	-88			
2017/18-1	Lab	srgt LCS, rec	1/11/2018	Organic	4-Bromofluorobenzene	n/a	=	105	%	EPA 624	-88	-88	88	108	
2017/18-1	Lab	srgt LCS dup	1/11/2018	Organic	4-Bromofluorobenzene	n/a	=	53.3	µg/L	EPA 624	-88	-88			
2017/18-1	Lab	srgt LCS dup, rec	1/11/2018	Organic	4-Bromofluorobenzene	n/a	=	107	%	EPA 624	-88	-88	88	108	
2017/18-1	Lab	srgt method blank	1/11/2018	Organic	4-Bromofluorobenzene	n/a	=	52.2	µg/L	EPA 624	-88	-88			
2017/18-1	Lab	srgt method blank, rec	1/11/2018	Organic	4-Bromofluorobenzene	n/a	=	104	%	EPA 624	-88	-88	88	108	
2017/18-1	Lab	srgt LCS	1/17/2018	Organic	4-Bromofluorobenzene	n/a	=	49.4	µg/L	EPA 8015D	-88	-88			
2017/18-1	Lab	srgt LCS, rec	1/17/2018	Organic	4-Bromofluorobenzene	n/a	=	99	%	EPA 8015D	-88	-88	72	124	
2017/18-1	Lab	srgt method blank	1/17/2018	Organic	4-Bromofluorobenzene	n/a	=	49.7	µg/L	EPA 8015D	-88	-88			
2017/18-1	Lab	srgt method blank, rec	1/17/2018	Organic	4-Bromofluorobenzene	n/a	=	99	%	EPA 8015D	-88	-88	72	124	
2017/18-1	Lab	srgt LCS	1/18/2018	Organic	4-Bromofluorobenzene	n/a	=	49.3	µg/L	EPA 8015D	-88	-88			
2017/18-1	Lab	srgt LCS, rec	1/18/2018	Organic	4-Bromofluorobenzene	n/a	=	99	%	EPA 8015D	-88	-88	72	124	
2017/18-1	Lab	srgt LCS dup	1/18/2018	Organic	4-Bromofluorobenzene	n/a	=	50.6	µg/L	EPA 8015D	-88	-88			
2017/18-1	Lab	srgt LCS dup, rec	1/18/2018	Organic	4-Bromofluorobenzene	n/a	=	101	%	EPA 8015D	-88	-88	72	124	
2017/18-1	Lab	srgt method blank	1/18/2018	Organic	4-Bromofluorobenzene	n/a	=	50.2	µg/L	EPA 8015D	-88	-88			
2017/18-1	Lab	srgt method blank, rec	1/18/2018	Organic	4-Bromofluorobenzene	n/a	=	100	%	EPA 8015D	-88	-88	72	124	
2017/18-1	ME-CC	srgt environ	1/12/2018	Organic	4-Bromofluorobenzene	n/a	=	50.3	µg/L	EPA 624	-88	-88			
2017/18-1	ME-CC	srgt environ, rec	1/12/2018	Organic	4-Bromofluorobenzene	n/a	=	101	%	EPA 624	-88	-88	88	108	
2017/18-1	ME-CC	srgt environ	1/18/2018	Organic	4-Bromofluorobenzene	n/a	=	49.3	µg/L	EPA 8015D	-88	-88			
2017/18-1	ME-CC	srgt environ, rec	1/18/2018	Organic	4-Bromofluorobenzene	n/a	=	99	%	EPA 8015D	-88	-88	72	124	
2017/18-1	ME-SCR	srgt environ	1/12/2018	Organic	4-Bromofluorobenzene	n/a	=	51.2	µg/L	EPA 624	-88	-88			
2017/18-1	ME-SCR	srgt environ, rec	1/12/2018	Organic	4-Bromofluorobenzene	n/a	=	102	%	EPA 624	-88	-88	88	108	
2017/18-1	ME-SCR	srgt environ	1/18/2018	Organic	4-Bromofluorobenzene	n/a	=	49	µg/L	EPA 8015D	-88	-88			
2017/18-1	ME-SCR	srgt environ, rec	1/18/2018	Organic	4-Bromofluorobenzene	n/a	=	98	%	EPA 8015D	-88	-88	72	124	
2017/18-1	ME-VR2	srgt environ	1/12/2018	Organic	4-Bromofluorobenzene	n/a	=	52.1	µg/L	EPA 624	-88	-88			
2017/18-1	ME-VR2	srgt environ, rec	1/12/2018	Organic	4-Bromofluorobenzene	n/a	=	104	%	EPA 624	-88	-88	88	108	
2017/18-1	ME-VR2	srgt environ	1/18/2018	Organic	4-Bromofluorobenzene	n/a	=	48.2	µg/L	EPA 8015D	-88	-88			
2017/18-1	ME-VR2	srgt environ, rec	1/18/2018	Organic	4-Bromofluorobenzene	n/a	=	96	%	EPA 8015D	-88	-88	72	124	
2017/18-1	MO-CAM	srgt environ	1/12/2018	Organic	4-Bromofluorobenzene	n/a	=	50.6	µg/L	EPA 624	-88	-88			
2017/18-1	MO-CAM	srgt environ, rec	1/12/2018	Organic	4-Bromofluorobenzene	n/a	=	101	%	EPA 624	-88	-88	88	108	
2017/18-1	MO-CAM	srgt environ	1/18/2018	Organic	4-Bromofluorobenzene	n/a	=	49.2	µg/L	EPA 8015D	-88	-88			
2017/18-1	MO-CAM	srgt environ, rec	1/18/2018	Organic	4-Bromofluorobenzene	n/a	=	98	%	EPA 8015D	-88	-88	72	124	
2017/18-1	MO-FIL	srgt environ	1/12/2018	Organic	4-Bromofluorobenzene	n/a	=	50.7	µg/L	EPA 624	-88	-88			
2017/18-1	MO-FIL	srgt environ, rec	1/12/2018	Organic	4-Bromofluorobenzene	n/a	=	101	%	EPA 624	-88	-88	88	108	
2017/18-1	MO-FIL	srgt environ	1/18/2018	Organic	4-Bromofluorobenzene	n/a	=	49.3	µg/L	EPA 8015D	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	MO-FIL	srgt environ, rec	1/18/2018	Organic	4-Bromofluorobenzene	n/a	=	99	%	EPA 8015D	-88	-88	72	124	
2017/18-1	MO-HUE	srgt environ	1/12/2018	Organic	4-Bromofluorobenzene	n/a	=	49.6	µg/L	EPA 624	-88	-88			
2017/18-1	MO-HUE	srgt environ, rec	1/12/2018	Organic	4-Bromofluorobenzene	n/a	=	99	%	EPA 624	-88	-88	88	108	
2017/18-1	MO-HUE	srgt environ	1/18/2018	Organic	4-Bromofluorobenzene	n/a	=	48.7	µg/L	EPA 8015D	-88	-88			
2017/18-1	MO-HUE	srgt environ, rec	1/18/2018	Organic	4-Bromofluorobenzene	n/a	=	97	%	EPA 8015D	-88	-88	72	124	
2017/18-1	MO-MEI	srgt environ	1/12/2018	Organic	4-Bromofluorobenzene	n/a	=	51.3	µg/L	EPA 624	-88	-88			
2017/18-1	MO-MEI	srgt environ, rec	1/12/2018	Organic	4-Bromofluorobenzene	n/a	=	103	%	EPA 624	-88	-88	88	108	
2017/18-1	MO-MEI	srgt environ	1/18/2018	Organic	4-Bromofluorobenzene	n/a	=	48.5	µg/L	EPA 8015D	-88	-88			
2017/18-1	MO-MEI	srgt environ, rec	1/18/2018	Organic	4-Bromofluorobenzene	n/a	=	97	%	EPA 8015D	-88	-88	72	124	
2017/18-1	MO-MPK	srgt environ	1/12/2018	Organic	4-Bromofluorobenzene	n/a	=	50.7	µg/L	EPA 624	-88	-88			
2017/18-1	MO-MPK	srgt environ, rec	1/12/2018	Organic	4-Bromofluorobenzene	n/a	=	101	%	EPA 624	-88	-88	88	108	
2017/18-1	MO-MPK	srgt environ	1/18/2018	Organic	4-Bromofluorobenzene	n/a	=	48.3	µg/L	EPA 8015D	-88	-88			
2017/18-1	MO-MPK	srgt environ, rec	1/18/2018	Organic	4-Bromofluorobenzene	n/a	=	97	%	EPA 8015D	-88	-88	72	124	
2017/18-1	MO-OJA	srgt environ	1/12/2018	Organic	4-Bromofluorobenzene	n/a	=	51.2	µg/L	EPA 624	-88	-88			
2017/18-1	MO-OJA	srgt environ, rec	1/12/2018	Organic	4-Bromofluorobenzene	n/a	=	102	%	EPA 624	-88	-88	88	108	
2017/18-1	MO-OJA	srgt environ	1/18/2018	Organic	4-Bromofluorobenzene	n/a	=	49.1	µg/L	EPA 8015D	-88	-88			
2017/18-1	MO-OJA	srgt environ, rec	1/18/2018	Organic	4-Bromofluorobenzene	n/a	=	98	%	EPA 8015D	-88	-88	72	124	
2017/18-1	MO-OXN	srgt environ	1/12/2018	Organic	4-Bromofluorobenzene	n/a	=	50.4	µg/L	EPA 624	-88	-88			
2017/18-1	MO-OXN	srgt environ, rec	1/12/2018	Organic	4-Bromofluorobenzene	n/a	=	101	%	EPA 624	-88	-88	88	108	
2017/18-1	MO-OXN	srgt environ	1/18/2018	Organic	4-Bromofluorobenzene	n/a	=	49.2	µg/L	EPA 8015D	-88	-88			
2017/18-1	MO-OXN	srgt environ, rec	1/18/2018	Organic	4-Bromofluorobenzene	n/a	=	98	%	EPA 8015D	-88	-88	72	124	
2017/18-1	MO-SIM	srgt environ	1/12/2018	Organic	4-Bromofluorobenzene	n/a	=	50.8	µg/L	EPA 624	-88	-88			
2017/18-1	MO-SIM	srgt environ, rec	1/12/2018	Organic	4-Bromofluorobenzene	n/a	=	102	%	EPA 624	-88	-88	88	108	
2017/18-1	MO-SIM	srgt environ	1/18/2018	Organic	4-Bromofluorobenzene	n/a	=	48.6	µg/L	EPA 8015D	-88	-88			
2017/18-1	MO-SIM	srgt environ, rec	1/18/2018	Organic	4-Bromofluorobenzene	n/a	=	97	%	EPA 8015D	-88	-88	72	124	
2017/18-1	MO-SPA	srgt environ	1/12/2018	Organic	4-Bromofluorobenzene	n/a	=	50.2	µg/L	EPA 624	-88	-88			
2017/18-1	MO-SPA	srgt environ, rec	1/12/2018	Organic	4-Bromofluorobenzene	n/a	=	100	%	EPA 624	-88	-88	88	108	
2017/18-1	MO-SPA	srgt environ	1/18/2018	Organic	4-Bromofluorobenzene	n/a	=	49.2	µg/L	EPA 8015D	-88	-88			
2017/18-1	MO-SPA	srgt environ, rec	1/18/2018	Organic	4-Bromofluorobenzene	n/a	=	98	%	EPA 8015D	-88	-88	72	124	
2017/18-1	MO-THO	srgt environ	1/12/2018	Organic	4-Bromofluorobenzene	n/a	=	50.7	µg/L	EPA 624	-88	-88			
2017/18-1	MO-THO	srgt environ, rec	1/12/2018	Organic	4-Bromofluorobenzene	n/a	=	101	%	EPA 624	-88	-88	88	108	
2017/18-1	MO-THO	srgt environ	1/18/2018	Organic	4-Bromofluorobenzene	n/a	=	49	µg/L	EPA 8015D	-88	-88			
2017/18-1	MO-THO	srgt environ, rec	1/18/2018	Organic	4-Bromofluorobenzene	n/a	=	98	%	EPA 8015D	-88	-88	72	124	
2017/18-1	MO-VEN	srgt environ	1/12/2018	Organic	4-Bromofluorobenzene	n/a	=	50.7	µg/L	EPA 624	-88	-88			
2017/18-1	MO-VEN	srgt environ, rec	1/12/2018	Organic	4-Bromofluorobenzene	n/a	=	101	%	EPA 624	-88	-88	88	108	
2017/18-1	MO-VEN	srgt environ	1/18/2018	Organic	4-Bromofluorobenzene	n/a	=	47.9	µg/L	EPA 8015D	-88	-88			
2017/18-1	MO-VEN	srgt environ, rec	1/18/2018	Organic	4-Bromofluorobenzene	n/a	=	96	%	EPA 8015D	-88	-88	72	124	
2017/18-1	000NONPJ	matrix spike	1/25/2018	Organic	4-Bromophenyl phenyl ether	n/a	=	14.7	µg/L	EPA 625	0.36	1			
2017/18-1	000NONPJ	matrix spike, rec	1/25/2018	Organic	4-Bromophenyl phenyl ether	n/a	=	59	%	EPA 625	-88	-88	53	127	
2017/18-1	000NONPJ	matrix spike dup	1/25/2018	Organic	4-Bromophenyl phenyl ether	n/a	=	18.4	µg/L	EPA 625	0.36	1			
2017/18-1	000NONPJ	matrix spike dup, rec	1/25/2018	Organic	4-Bromophenyl phenyl ether	n/a	=	74	%	EPA 625	-88	-88	53	127	
2017/18-1	000NONPJ	matrix spike, RPD	1/25/2018	Organic	4-Bromophenyl phenyl ether	n/a	=	23	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/15/2018	Organic	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2017/18-1	Lab	LCS	1/15/2018	Organic	4-Bromophenyl phenyl ether	n/a	=	18	µg/L	EPA 625	0.36	1			
2017/18-1	Lab	LCS, rec	1/15/2018	Organic	4-Bromophenyl phenyl ether	n/a	=	72	%	EPA 625	-88	-88	53	127	
2017/18-1	Lab	LCS dup	1/15/2018	Organic	4-Bromophenyl phenyl ether	n/a	=	28.7	µg/L	EPA 625	0.36	1			
2017/18-1	Lab	LCS dup, rec	1/15/2018	Organic	4-Bromophenyl phenyl ether	n/a	=	115	%	EPA 625	-88	-88	53	127	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	Lab	LCS, RPD	1/15/2018	Organic	4-Bromophenyl phenyl ether	n/a	=	45	%	EPA 625	-88	-88	0	30	IL
2017/18-1	Lab	method blank	1/25/2018	Organic	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2017/18-1	Lab	LCS	1/25/2018	Organic	4-Bromophenyl phenyl ether	n/a	=	22.7	µg/L	EPA 625	0.36	1			
2017/18-1	Lab	LCS, rec	1/25/2018	Organic	4-Bromophenyl phenyl ether	n/a	=	91	%	EPA 625	-88	-88	53	127	
2017/18-1	000NONPJ	matrix spike	1/25/2018	Organic	4-Chloro-3-methylphenol	n/a	=	18.4	µg/L	EPA 625	0.23	1			
2017/18-1	000NONPJ	matrix spike, rec	1/25/2018	Organic	4-Chloro-3-methylphenol	n/a	=	73	%	EPA 625	-88	-88	22	147	
2017/18-1	000NONPJ	matrix spike dup	1/25/2018	Organic	4-Chloro-3-methylphenol	n/a	=	15.6	µg/L	EPA 625	0.23	1			
2017/18-1	000NONPJ	matrix spike dup, rec	1/25/2018	Organic	4-Chloro-3-methylphenol	n/a	=	63	%	EPA 625	-88	-88	22	147	
2017/18-1	000NONPJ	matrix spike, RPD	1/25/2018	Organic	4-Chloro-3-methylphenol	n/a	=	16	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/15/2018	Organic	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1			
2017/18-1	Lab	LCS	1/15/2018	Organic	4-Chloro-3-methylphenol	n/a	=	16.1	µg/L	EPA 625	0.23	1			
2017/18-1	Lab	LCS, rec	1/15/2018	Organic	4-Chloro-3-methylphenol	n/a	=	64	%	EPA 625	-88	-88	22	147	
2017/18-1	Lab	LCS dup	1/15/2018	Organic	4-Chloro-3-methylphenol	n/a	=	17.4	µg/L	EPA 625	0.23	1			
2017/18-1	Lab	LCS dup, rec	1/15/2018	Organic	4-Chloro-3-methylphenol	n/a	=	70	%	EPA 625	-88	-88	22	147	
2017/18-1	Lab	LCS, RPD	1/15/2018	Organic	4-Chloro-3-methylphenol	n/a	=	8	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/25/2018	Organic	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1			
2017/18-1	Lab	LCS	1/25/2018	Organic	4-Chloro-3-methylphenol	n/a	=	21.4	µg/L	EPA 625	0.23	1			
2017/18-1	Lab	LCS, rec	1/25/2018	Organic	4-Chloro-3-methylphenol	n/a	=	86	%	EPA 625	-88	-88	22	147	
2017/18-1	Lab	method blank	1/29/2018	Organic	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1			
2017/18-1	Lab	LCS	1/29/2018	Organic	4-Chloro-3-methylphenol	n/a	=	13.7	µg/L	EPA 8270C	0.37	1			
2017/18-1	Lab	LCS, rec	1/29/2018	Organic	4-Chloro-3-methylphenol	n/a	=	55	%	EPA 8270C	-88	-88	29	108	
2017/18-1	Lab	LCS dup	1/29/2018	Organic	4-Chloro-3-methylphenol	n/a	=	14.1	µg/L	EPA 8270C	0.37	1			
2017/18-1	Lab	LCS dup, rec	1/29/2018	Organic	4-Chloro-3-methylphenol	n/a	=	56	%	EPA 8270C	-88	-88	29	108	
2017/18-1	Lab	LCS, RPD	1/29/2018	Organic	4-Chloro-3-methylphenol	n/a	=	3	%	EPA 8270C	-88	-88	0	30	
2017/18-1	000NONPJ	matrix spike	1/25/2018	Organic	4-Chlorophenyl phenyl ether	n/a	=	18.8	µg/L	EPA 625	0.41	1			
2017/18-1	000NONPJ	matrix spike, rec	1/25/2018	Organic	4-Chlorophenyl phenyl ether	n/a	=	75	%	EPA 625	-88	-88	25	158	
2017/18-1	000NONPJ	matrix spike dup	1/25/2018	Organic	4-Chlorophenyl phenyl ether	n/a	=	17.2	µg/L	EPA 625	0.41	1			
2017/18-1	000NONPJ	matrix spike dup, rec	1/25/2018	Organic	4-Chlorophenyl phenyl ether	n/a	=	69	%	EPA 625	-88	-88	25	158	
2017/18-1	000NONPJ	matrix spike, RPD	1/25/2018	Organic	4-Chlorophenyl phenyl ether	n/a	=	9	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/15/2018	Organic	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1			
2017/18-1	Lab	LCS	1/15/2018	Organic	4-Chlorophenyl phenyl ether	n/a	=	17.1	µg/L	EPA 625	0.41	1			
2017/18-1	Lab	LCS, rec	1/15/2018	Organic	4-Chlorophenyl phenyl ether	n/a	=	68	%	EPA 625	-88	-88	25	158	
2017/18-1	Lab	LCS dup	1/15/2018	Organic	4-Chlorophenyl phenyl ether	n/a	=	18.2	µg/L	EPA 625	0.41	1			
2017/18-1	Lab	LCS dup, rec	1/15/2018	Organic	4-Chlorophenyl phenyl ether	n/a	=	73	%	EPA 625	-88	-88	25	158	
2017/18-1	Lab	LCS, RPD	1/15/2018	Organic	4-Chlorophenyl phenyl ether	n/a	=	7	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/25/2018	Organic	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1			
2017/18-1	Lab	LCS	1/25/2018	Organic	4-Chlorophenyl phenyl ether	n/a	=	21.7	µg/L	EPA 625	0.41	1			
2017/18-1	Lab	LCS, rec	1/25/2018	Organic	4-Chlorophenyl phenyl ether	n/a	=	87	%	EPA 625	-88	-88	25	158	
2017/18-1	000NONPJ	matrix spike	1/25/2018	Organic	4-Nitrophenol	n/a	=	12.4	µg/L	EPA 625	0.45	5			
2017/18-1	000NONPJ	matrix spike, rec	1/25/2018	Organic	4-Nitrophenol	n/a	=	49	%	EPA 625	-88	-88	0.1	132	
2017/18-1	000NONPJ	matrix spike dup	1/25/2018	Organic	4-Nitrophenol	n/a	=	10.6	µg/L	EPA 625	0.45	5			
2017/18-1	000NONPJ	matrix spike dup, rec	1/25/2018	Organic	4-Nitrophenol	n/a	=	42	%	EPA 625	-88	-88	0.1	132	
2017/18-1	000NONPJ	matrix spike, RPD	1/25/2018	Organic	4-Nitrophenol	n/a	=	15	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/15/2018	Organic	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5			
2017/18-1	Lab	LCS	1/15/2018	Organic	4-Nitrophenol	n/a	=	7.6	µg/L	EPA 625	0.45	5			
2017/18-1	Lab	LCS, rec	1/15/2018	Organic	4-Nitrophenol	n/a	=	30	%	EPA 625	-88	-88	0.1	132	
2017/18-1	Lab	LCS dup	1/15/2018	Organic	4-Nitrophenol	n/a	=	7.94	µg/L	EPA 625	0.45	5			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	Lab	LCS dup, rec	1/15/2018	Organic	4-Nitrophenol	n/a	=	32	%	EPA 625	-88	-88	0.1	132	
2017/18-1	Lab	LCS, RPD	1/15/2018	Organic	4-Nitrophenol	n/a	=	4	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/25/2018	Organic	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5			
2017/18-1	Lab	LCS	1/25/2018	Organic	4-Nitrophenol	n/a	=	9.57	µg/L	EPA 625	0.45	5			
2017/18-1	Lab	LCS, rec	1/25/2018	Organic	4-Nitrophenol	n/a	=	38	%	EPA 625	-88	-88	0.1	132	
2017/18-1	Lab	method blank	1/29/2018	Organic	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2			
2017/18-1	Lab	LCS	1/29/2018	Organic	4-Nitrophenol	n/a	=	6.86	µg/L	EPA 8270C	1	2			
2017/18-1	Lab	LCS, rec	1/29/2018	Organic	4-Nitrophenol	n/a	=	27	%	EPA 8270C	-88	-88	6	46	
2017/18-1	Lab	LCS dup	1/29/2018	Organic	4-Nitrophenol	n/a	=	6.82	µg/L	EPA 8270C	1	2			
2017/18-1	Lab	LCS dup, rec	1/29/2018	Organic	4-Nitrophenol	n/a	=	27	%	EPA 8270C	-88	-88	6	46	
2017/18-1	Lab	LCS, RPD	1/29/2018	Organic	4-Nitrophenol	n/a	=	0.7	%	EPA 8270C	-88	-88	0	30	
2017/18-1	000NONPJ	matrix spike	1/25/2018	Organic	Acenaphthene	n/a	=	19.3	µg/L	EPA 625	0.38	1			
2017/18-1	000NONPJ	matrix spike, rec	1/25/2018	Organic	Acenaphthene	n/a	=	77	%	EPA 625	-88	-88	47	145	
2017/18-1	000NONPJ	matrix spike dup	1/25/2018	Organic	Acenaphthene	n/a	=	17.5	µg/L	EPA 625	0.38	1			
2017/18-1	000NONPJ	matrix spike dup, rec	1/25/2018	Organic	Acenaphthene	n/a	=	70	%	EPA 625	-88	-88	47	145	
2017/18-1	000NONPJ	matrix spike, RPD	1/25/2018	Organic	Acenaphthene	n/a	=	10	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/15/2018	Organic	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2017/18-1	Lab	LCS	1/15/2018	Organic	Acenaphthene	n/a	=	17.1	µg/L	EPA 625	0.38	1			
2017/18-1	Lab	LCS, rec	1/15/2018	Organic	Acenaphthene	n/a	=	68	%	EPA 625	-88	-88	47	145	
2017/18-1	Lab	LCS dup	1/15/2018	Organic	Acenaphthene	n/a	=	18.1	µg/L	EPA 625	0.38	1			
2017/18-1	Lab	LCS dup, rec	1/15/2018	Organic	Acenaphthene	n/a	=	72	%	EPA 625	-88	-88	47	145	
2017/18-1	Lab	LCS, RPD	1/15/2018	Organic	Acenaphthene	n/a	=	5	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/25/2018	Organic	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2017/18-1	Lab	LCS	1/25/2018	Organic	Acenaphthene	n/a	=	21.7	µg/L	EPA 625	0.38	1			
2017/18-1	Lab	LCS, rec	1/25/2018	Organic	Acenaphthene	n/a	=	87	%	EPA 625	-88	-88	47	145	
2017/18-1	Lab	method blank	2/1/2018	Organic	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-1	Lab	LCS	2/1/2018	Organic	Acenaphthene	n/a	=	18.8	µg/L	EPA 8270C	0.1	0.1			
2017/18-1	Lab	LCS, rec	2/1/2018	Organic	Acenaphthene	n/a	=	75	%	EPA 8270C	-88	-88	11	122	
2017/18-1	Lab	LCS dup	2/1/2018	Organic	Acenaphthene	n/a	=	19.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-1	Lab	LCS dup, rec	2/1/2018	Organic	Acenaphthene	n/a	=	76	%	EPA 8270C	-88	-88	11	122	
2017/18-1	Lab	LCS, RPD	2/1/2018	Organic	Acenaphthene	n/a	=	1	%	EPA 8270C	-88	-88	0	30	
2017/18-1	000NONPJ	matrix spike	1/25/2018	Organic	Acenaphthylene	n/a	=	27.4	µg/L	EPA 625	0.4	1			
2017/18-1	000NONPJ	matrix spike, rec	1/25/2018	Organic	Acenaphthylene	n/a	=	110	%	EPA 625	-88	-88	33	145	
2017/18-1	000NONPJ	matrix spike dup	1/25/2018	Organic	Acenaphthylene	n/a	=	17.3	µg/L	EPA 625	0.4	1			
2017/18-1	000NONPJ	matrix spike dup, rec	1/25/2018	Organic	Acenaphthylene	n/a	=	69	%	EPA 625	-88	-88	33	145	
2017/18-1	000NONPJ	matrix spike, RPD	1/25/2018	Organic	Acenaphthylene	n/a	=	46	%	EPA 625	-88	-88	0	30	IL
2017/18-1	Lab	method blank	1/15/2018	Organic	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1			
2017/18-1	Lab	LCS	1/15/2018	Organic	Acenaphthylene	n/a	=	17.2	µg/L	EPA 625	0.4	1			
2017/18-1	Lab	LCS, rec	1/15/2018	Organic	Acenaphthylene	n/a	=	69	%	EPA 625	-88	-88	33	145	
2017/18-1	Lab	LCS dup	1/15/2018	Organic	Acenaphthylene	n/a	=	18.8	µg/L	EPA 625	0.4	1			
2017/18-1	Lab	LCS dup, rec	1/15/2018	Organic	Acenaphthylene	n/a	=	75	%	EPA 625	-88	-88	33	145	
2017/18-1	Lab	LCS, RPD	1/15/2018	Organic	Acenaphthylene	n/a	=	9	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/25/2018	Organic	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1			
2017/18-1	Lab	LCS	1/25/2018	Organic	Acenaphthylene	n/a	=	21.6	µg/L	EPA 625	0.4	1			
2017/18-1	Lab	LCS, rec	1/25/2018	Organic	Acenaphthylene	n/a	=	87	%	EPA 625	-88	-88	33	145	
2017/18-1	Lab	method blank	2/1/2018	Organic	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-1	Lab	LCS	2/1/2018	Organic	Acenaphthylene	n/a	=	16.3	µg/L	EPA 8270C	0.1	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	Lab	LCS, rec	2/1/2018	Organic	Acenaphthylene	n/a	=	65	%	EPA 8270C	-88	-88	4	135	
2017/18-1	Lab	LCS dup	2/1/2018	Organic	Acenaphthylene	n/a	=	17.4	µg/L	EPA 8270C	0.1	0.1			
2017/18-1	Lab	LCS dup, rec	2/1/2018	Organic	Acenaphthylene	n/a	=	70	%	EPA 8270C	-88	-88	4	135	
2017/18-1	Lab	LCS, RPD	2/1/2018	Organic	Acenaphthylene	n/a	=	6	%	EPA 8270C	-88	-88	0	30	
2017/18-1	000NONPJ	matrix spike	1/25/2018	Organic	Anthracene	n/a	=	21.2	µg/L	EPA 625	0.34	1			
2017/18-1	000NONPJ	matrix spike, rec	1/25/2018	Organic	Anthracene	n/a	=	85	%	EPA 625	-88	-88	27	133	
2017/18-1	000NONPJ	matrix spike dup	1/25/2018	Organic	Anthracene	n/a	=	20.3	µg/L	EPA 625	0.34	1			
2017/18-1	000NONPJ	matrix spike dup, rec	1/25/2018	Organic	Anthracene	n/a	=	81	%	EPA 625	-88	-88	27	133	
2017/18-1	000NONPJ	matrix spike, RPD	1/25/2018	Organic	Anthracene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/15/2018	Organic	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1			
2017/18-1	Lab	LCS	1/15/2018	Organic	Anthracene	n/a	=	18.8	µg/L	EPA 625	0.34	1			
2017/18-1	Lab	LCS, rec	1/15/2018	Organic	Anthracene	n/a	=	75	%	EPA 625	-88	-88	27	133	
2017/18-1	Lab	LCS dup	1/15/2018	Organic	Anthracene	n/a	=	20.4	µg/L	EPA 625	0.34	1			
2017/18-1	Lab	LCS dup, rec	1/15/2018	Organic	Anthracene	n/a	=	82	%	EPA 625	-88	-88	27	133	
2017/18-1	Lab	LCS, RPD	1/15/2018	Organic	Anthracene	n/a	=	8	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/25/2018	Organic	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1			
2017/18-1	Lab	LCS	1/25/2018	Organic	Anthracene	n/a	=	22.9	µg/L	EPA 625	0.34	1			
2017/18-1	Lab	LCS, rec	1/25/2018	Organic	Anthracene	n/a	=	92	%	EPA 625	-88	-88	27	133	
2017/18-1	Lab	method blank	2/1/2018	Organic	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-1	Lab	LCS	2/1/2018	Organic	Anthracene	n/a	=	18.6	µg/L	EPA 8270C	0.1	0.1			
2017/18-1	Lab	LCS, rec	2/1/2018	Organic	Anthracene	n/a	=	75	%	EPA 8270C	-88	-88	22	127	
2017/18-1	Lab	LCS dup	2/1/2018	Organic	Anthracene	n/a	=	18.6	µg/L	EPA 8270C	0.1	0.1			
2017/18-1	Lab	LCS dup, rec	2/1/2018	Organic	Anthracene	n/a	=	74	%	EPA 8270C	-88	-88	22	127	
2017/18-1	Lab	LCS, RPD	2/1/2018	Organic	Anthracene	n/a	=	0.06	%	EPA 8270C	-88	-88	0	30	
2017/18-1	000NONPJ	matrix spike	1/25/2018	Organic	Benz(a)anthracene	n/a	=	24.3	µg/L	EPA 625	0.19	1			
2017/18-1	000NONPJ	matrix spike, rec	1/25/2018	Organic	Benz(a)anthracene	n/a	=	97	%	EPA 625	-88	-88	33	143	
2017/18-1	000NONPJ	matrix spike dup	1/25/2018	Organic	Benz(a)anthracene	n/a	=	21.7	µg/L	EPA 625	0.19	1			
2017/18-1	000NONPJ	matrix spike dup, rec	1/25/2018	Organic	Benz(a)anthracene	n/a	=	87	%	EPA 625	-88	-88	33	143	
2017/18-1	000NONPJ	matrix spike, RPD	1/25/2018	Organic	Benz(a)anthracene	n/a	=	11	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/15/2018	Organic	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2017/18-1	Lab	LCS	1/15/2018	Organic	Benz(a)anthracene	n/a	=	20.1	µg/L	EPA 625	0.19	1			
2017/18-1	Lab	LCS, rec	1/15/2018	Organic	Benz(a)anthracene	n/a	=	80	%	EPA 625	-88	-88	33	143	
2017/18-1	Lab	LCS dup	1/15/2018	Organic	Benz(a)anthracene	n/a	=	14.2	µg/L	EPA 625	0.19	1			
2017/18-1	Lab	LCS dup, rec	1/15/2018	Organic	Benz(a)anthracene	n/a	=	57	%	EPA 625	-88	-88	33	143	
2017/18-1	Lab	LCS, RPD	1/15/2018	Organic	Benz(a)anthracene	n/a	=	34	%	EPA 625	-88	-88	0	30	IL
2017/18-1	Lab	method blank	1/25/2018	Organic	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2017/18-1	Lab	LCS	1/25/2018	Organic	Benz(a)anthracene	n/a	=	24.7	µg/L	EPA 625	0.19	1			
2017/18-1	Lab	LCS, rec	1/25/2018	Organic	Benz(a)anthracene	n/a	=	99	%	EPA 625	-88	-88	33	143	
2017/18-1	Lab	method blank	2/1/2018	Organic	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-1	Lab	LCS	2/1/2018	Organic	Benz(a)anthracene	n/a	=	26.6	µg/L	EPA 8270C	0.1	0.1			
2017/18-1	Lab	LCS, rec	2/1/2018	Organic	Benz(a)anthracene	n/a	=	107	%	EPA 8270C	-88	-88	17	131	
2017/18-1	Lab	LCS dup	2/1/2018	Organic	Benz(a)anthracene	n/a	=	26.7	µg/L	EPA 8270C	0.1	0.1			
2017/18-1	Lab	LCS dup, rec	2/1/2018	Organic	Benz(a)anthracene	n/a	=	107	%	EPA 8270C	-88	-88	17	131	
2017/18-1	Lab	LCS, RPD	2/1/2018	Organic	Benz(a)anthracene	n/a	=	0.3	%	EPA 8270C	-88	-88	0	30	
2017/18-1	Lab	method blank	1/15/2018	Organic	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10			
2017/18-1	Lab	method blank	1/25/2018	Organic	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10			
2017/18-1	000NONPJ	matrix spike	1/25/2018	Organic	Benzo(a)pyrene	n/a	=	20.7	µg/L	EPA 625	0.13	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	000NONPJ	matrix spike, rec	1/25/2018	Organic	Benzo(a)pyrene	n/a	=	83	%	EPA 625	-88	-88	17	163	
2017/18-1	000NONPJ	matrix spike dup	1/25/2018	Organic	Benzo(a)pyrene	n/a	=	20.2	µg/L	EPA 625	0.13	1			
2017/18-1	000NONPJ	matrix spike dup, rec	1/25/2018	Organic	Benzo(a)pyrene	n/a	=	81	%	EPA 625	-88	-88	17	163	
2017/18-1	000NONPJ	matrix spike, RPD	1/25/2018	Organic	Benzo(a)pyrene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/15/2018	Organic	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1			
2017/18-1	Lab	LCS	1/15/2018	Organic	Benzo(a)pyrene	n/a	=	18.6	µg/L	EPA 625	0.13	1			
2017/18-1	Lab	LCS, rec	1/15/2018	Organic	Benzo(a)pyrene	n/a	=	75	%	EPA 625	-88	-88	17	163	
2017/18-1	Lab	LCS dup	1/15/2018	Organic	Benzo(a)pyrene	n/a	=	19.4	µg/L	EPA 625	0.13	1			
2017/18-1	Lab	LCS dup, rec	1/15/2018	Organic	Benzo(a)pyrene	n/a	=	77	%	EPA 625	-88	-88	17	163	
2017/18-1	Lab	LCS, RPD	1/15/2018	Organic	Benzo(a)pyrene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/23/2018	Organic	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1			
2017/18-1	Lab	LCS	1/23/2018	Organic	Benzo(a)pyrene	n/a	=	4.95	µg/L	EPA 525.2	0.07	0.1			
2017/18-1	Lab	LCS, rec	1/23/2018	Organic	Benzo(a)pyrene	n/a	=	99	%	EPA 525.2	-88	-88	60	130	
2017/18-1	Lab	LCS dup	1/23/2018	Organic	Benzo(a)pyrene	n/a	=	5.05	µg/L	EPA 525.2	0.07	0.1			
2017/18-1	Lab	LCS dup, rec	1/23/2018	Organic	Benzo(a)pyrene	n/a	=	101	%	EPA 525.2	-88	-88	60	130	
2017/18-1	Lab	LCS, RPD	1/23/2018	Organic	Benzo(a)pyrene	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2017/18-1	Lab	method blank	1/25/2018	Organic	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1			
2017/18-1	Lab	LCS	1/25/2018	Organic	Benzo(a)pyrene	n/a	=	22.3	µg/L	EPA 625	0.13	1			
2017/18-1	Lab	LCS, rec	1/25/2018	Organic	Benzo(a)pyrene	n/a	=	89	%	EPA 625	-88	-88	17	163	
2017/18-1	Lab	method blank	2/1/2018	Organic	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-1	Lab	LCS	2/1/2018	Organic	Benzo(a)pyrene	n/a	=	21.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-1	Lab	LCS, rec	2/1/2018	Organic	Benzo(a)pyrene	n/a	=	84	%	EPA 8270C	-88	-88	12	131	
2017/18-1	Lab	LCS dup	2/1/2018	Organic	Benzo(a)pyrene	n/a	=	17.9	µg/L	EPA 8270C	0.1	0.1			
2017/18-1	Lab	LCS dup, rec	2/1/2018	Organic	Benzo(a)pyrene	n/a	=	72	%	EPA 8270C	-88	-88	12	131	
2017/18-1	Lab	LCS, RPD	2/1/2018	Organic	Benzo(a)pyrene	n/a	=	16	%	EPA 8270C	-88	-88	0	30	
2017/18-1	000NONPJ	matrix spike	1/25/2018	Organic	Benzo(b)fluoranthene	n/a	=	23.4	µg/L	EPA 625	0.14	1			
2017/18-1	000NONPJ	matrix spike, rec	1/25/2018	Organic	Benzo(b)fluoranthene	n/a	=	94	%	EPA 625	-88	-88	24	159	
2017/18-1	000NONPJ	matrix spike dup	1/25/2018	Organic	Benzo(b)fluoranthene	n/a	=	20.3	µg/L	EPA 625	0.14	1			
2017/18-1	000NONPJ	matrix spike dup, rec	1/25/2018	Organic	Benzo(b)fluoranthene	n/a	=	81	%	EPA 625	-88	-88	24	159	
2017/18-1	000NONPJ	matrix spike, RPD	1/25/2018	Organic	Benzo(b)fluoranthene	n/a	=	14	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/15/2018	Organic	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1			
2017/18-1	Lab	LCS	1/15/2018	Organic	Benzo(b)fluoranthene	n/a	=	21	µg/L	EPA 625	0.14	1			
2017/18-1	Lab	LCS, rec	1/15/2018	Organic	Benzo(b)fluoranthene	n/a	=	84	%	EPA 625	-88	-88	24	159	
2017/18-1	Lab	LCS dup	1/15/2018	Organic	Benzo(b)fluoranthene	n/a	=	20.6	µg/L	EPA 625	0.14	1			
2017/18-1	Lab	LCS dup, rec	1/15/2018	Organic	Benzo(b)fluoranthene	n/a	=	82	%	EPA 625	-88	-88	24	159	
2017/18-1	Lab	LCS, RPD	1/15/2018	Organic	Benzo(b)fluoranthene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/25/2018	Organic	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1			
2017/18-1	Lab	LCS	1/25/2018	Organic	Benzo(b)fluoranthene	n/a	=	24.3	µg/L	EPA 625	0.14	1			
2017/18-1	Lab	LCS, rec	1/25/2018	Organic	Benzo(b)fluoranthene	n/a	=	97	%	EPA 625	-88	-88	24	159	
2017/18-1	Lab	method blank	2/1/2018	Organic	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-1	Lab	LCS	2/1/2018	Organic	Benzo(b)fluoranthene	n/a	=	21.5	µg/L	EPA 8270C	0.1	0.1			
2017/18-1	Lab	LCS, rec	2/1/2018	Organic	Benzo(b)fluoranthene	n/a	=	86	%	EPA 8270C	-88	-88	19	129	
2017/18-1	Lab	LCS dup	2/1/2018	Organic	Benzo(b)fluoranthene	n/a	=	22.8	µg/L	EPA 8270C	0.1	0.1			
2017/18-1	Lab	LCS dup, rec	2/1/2018	Organic	Benzo(b)fluoranthene	n/a	=	91	%	EPA 8270C	-88	-88	19	129	
2017/18-1	Lab	LCS, RPD	2/1/2018	Organic	Benzo(b)fluoranthene	n/a	=	6	%	EPA 8270C	-88	-88	0	30	
2017/18-1	000NONPJ	matrix spike	1/25/2018	Organic	Benzo(g,h,i)perylene	n/a	=	17.6	µg/L	EPA 625	0.1	2			
2017/18-1	000NONPJ	matrix spike, rec	1/25/2018	Organic	Benzo(g,h,i)perylene	n/a	=	70	%	EPA 625	-88	-88	0.1	219	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	000NONPJ	matrix spike dup	1/25/2018	Organic	Benzo(g,h,i)perylene	n/a	=	20.3	µg/L	EPA 625	0.1	2			
2017/18-1	000NONPJ	matrix spike dup, rec	1/25/2018	Organic	Benzo(g,h,i)perylene	n/a	=	81	%	EPA 625	-88	-88	0.1	219	
2017/18-1	000NONPJ	matrix spike, RPD	1/25/2018	Organic	Benzo(g,h,i)perylene	n/a	=	14	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/15/2018	Organic	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2			
2017/18-1	Lab	LCS	1/15/2018	Organic	Benzo(g,h,i)perylene	n/a	=	14.7	µg/L	EPA 625	0.1	2			
2017/18-1	Lab	LCS, rec	1/15/2018	Organic	Benzo(g,h,i)perylene	n/a	=	59	%	EPA 625	-88	-88	0.1	219	
2017/18-1	Lab	LCS dup	1/15/2018	Organic	Benzo(g,h,i)perylene	n/a	=	14.8	µg/L	EPA 625	0.1	2			
2017/18-1	Lab	LCS dup, rec	1/15/2018	Organic	Benzo(g,h,i)perylene	n/a	=	59	%	EPA 625	-88	-88	0.1	219	
2017/18-1	Lab	LCS, RPD	1/15/2018	Organic	Benzo(g,h,i)perylene	n/a	=	0.7	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/25/2018	Organic	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2			
2017/18-1	Lab	LCS	1/25/2018	Organic	Benzo(g,h,i)perylene	n/a	=	18.3	µg/L	EPA 625	0.1	2			
2017/18-1	Lab	LCS, rec	1/25/2018	Organic	Benzo(g,h,i)perylene	n/a	=	73	%	EPA 625	-88	-88	0.1	219	
2017/18-1	Lab	method blank	2/1/2018	Organic	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-1	Lab	LCS	2/1/2018	Organic	Benzo(g,h,i)perylene	n/a	=	18.5	µg/L	EPA 8270C	0.1	0.1			
2017/18-1	Lab	LCS, rec	2/1/2018	Organic	Benzo(g,h,i)perylene	n/a	=	74	%	EPA 8270C	-88	-88	14	139	
2017/18-1	Lab	LCS dup	2/1/2018	Organic	Benzo(g,h,i)perylene	n/a	=	23.8	µg/L	EPA 8270C	0.1	0.1			
2017/18-1	Lab	LCS dup, rec	2/1/2018	Organic	Benzo(g,h,i)perylene	n/a	=	95	%	EPA 8270C	-88	-88	14	139	
2017/18-1	Lab	LCS, RPD	2/1/2018	Organic	Benzo(g,h,i)perylene	n/a	=	25	%	EPA 8270C	-88	-88	0	30	
2017/18-1	000NONPJ	matrix spike	1/25/2018	Organic	Benzo(k)fluoranthene	n/a	=	20.4	µg/L	EPA 625	0.22	1			
2017/18-1	000NONPJ	matrix spike, rec	1/25/2018	Organic	Benzo(k)fluoranthene	n/a	=	82	%	EPA 625	-88	-88	11	162	
2017/18-1	000NONPJ	matrix spike dup	1/25/2018	Organic	Benzo(k)fluoranthene	n/a	=	22.5	µg/L	EPA 625	0.22	1			
2017/18-1	000NONPJ	matrix spike dup, rec	1/25/2018	Organic	Benzo(k)fluoranthene	n/a	=	90	%	EPA 625	-88	-88	11	162	
2017/18-1	000NONPJ	matrix spike, RPD	1/25/2018	Organic	Benzo(k)fluoranthene	n/a	=	10	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/15/2018	Organic	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2017/18-1	Lab	LCS	1/15/2018	Organic	Benzo(k)fluoranthene	n/a	=	18.6	µg/L	EPA 625	0.22	1			
2017/18-1	Lab	LCS, rec	1/15/2018	Organic	Benzo(k)fluoranthene	n/a	=	74	%	EPA 625	-88	-88	11	162	
2017/18-1	Lab	LCS dup	1/15/2018	Organic	Benzo(k)fluoranthene	n/a	=	20.3	µg/L	EPA 625	0.22	1			
2017/18-1	Lab	LCS dup, rec	1/15/2018	Organic	Benzo(k)fluoranthene	n/a	=	81	%	EPA 625	-88	-88	11	162	
2017/18-1	Lab	LCS, RPD	1/15/2018	Organic	Benzo(k)fluoranthene	n/a	=	8	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/25/2018	Organic	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2017/18-1	Lab	LCS	1/25/2018	Organic	Benzo(k)fluoranthene	n/a	=	21.6	µg/L	EPA 625	0.22	1			
2017/18-1	Lab	LCS, rec	1/25/2018	Organic	Benzo(k)fluoranthene	n/a	=	86	%	EPA 625	-88	-88	11	162	
2017/18-1	Lab	method blank	2/1/2018	Organic	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-1	Lab	LCS	2/1/2018	Organic	Benzo(k)fluoranthene	n/a	=	21	µg/L	EPA 8270C	0.1	0.1			
2017/18-1	Lab	LCS, rec	2/1/2018	Organic	Benzo(k)fluoranthene	n/a	=	84	%	EPA 8270C	-88	-88	22	127	
2017/18-1	Lab	LCS dup	2/1/2018	Organic	Benzo(k)fluoranthene	n/a	=	22	µg/L	EPA 8270C	0.1	0.1			
2017/18-1	Lab	LCS dup, rec	2/1/2018	Organic	Benzo(k)fluoranthene	n/a	=	88	%	EPA 8270C	-88	-88	22	127	
2017/18-1	Lab	LCS, RPD	2/1/2018	Organic	Benzo(k)fluoranthene	n/a	=	5	%	EPA 8270C	-88	-88	0	30	
2017/18-1	000NONPJ	matrix spike	1/25/2018	Organic	Bis(2-chloroethoxy)methane	n/a	=	15.9	µg/L	EPA 625	0.25	1			
2017/18-1	000NONPJ	matrix spike, rec	1/25/2018	Organic	Bis(2-chloroethoxy)methane	n/a	=	63	%	EPA 625	-88	-88	33	184	
2017/18-1	000NONPJ	matrix spike dup	1/25/2018	Organic	Bis(2-chloroethoxy)methane	n/a	=	16.5	µg/L	EPA 625	0.25	1			
2017/18-1	000NONPJ	matrix spike dup, rec	1/25/2018	Organic	Bis(2-chloroethoxy)methane	n/a	=	66	%	EPA 625	-88	-88	33	184	
2017/18-1	000NONPJ	matrix spike, RPD	1/25/2018	Organic	Bis(2-chloroethoxy)methane	n/a	=	4	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/15/2018	Organic	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2017/18-1	Lab	LCS	1/15/2018	Organic	Bis(2-chloroethoxy)methane	n/a	=	14.3	µg/L	EPA 625	0.25	1			
2017/18-1	Lab	LCS, rec	1/15/2018	Organic	Bis(2-chloroethoxy)methane	n/a	=	57	%	EPA 625	-88	-88	33	184	
2017/18-1	Lab	LCS dup	1/15/2018	Organic	Bis(2-chloroethoxy)methane	n/a	=	25.7	µg/L	EPA 625	0.25	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	Lab	LCS dup, rec	1/15/2018	Organic	Bis(2-chloroethoxy)methane	n/a	=	103	%	EPA 625	-88	-88	33	184	
2017/18-1	Lab	LCS, RPD	1/15/2018	Organic	Bis(2-chloroethoxy)methane	n/a	=	57	%	EPA 625	-88	-88	0	30	IL
2017/18-1	Lab	method blank	1/25/2018	Organic	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2017/18-1	Lab	LCS	1/25/2018	Organic	Bis(2-chloroethoxy)methane	n/a	=	17.8	µg/L	EPA 625	0.25	1			
2017/18-1	Lab	LCS, rec	1/25/2018	Organic	Bis(2-chloroethoxy)methane	n/a	=	71	%	EPA 625	-88	-88	33	184	
2017/18-1	000NONPJ	matrix spike	1/25/2018	Organic	Bis(2-chloroethyl)ether	n/a	=	16.1	µg/L	EPA 625	0.27	1			
2017/18-1	000NONPJ	matrix spike, rec	1/25/2018	Organic	Bis(2-chloroethyl)ether	n/a	=	65	%	EPA 625	-88	-88	12	158	
2017/18-1	000NONPJ	matrix spike dup	1/25/2018	Organic	Bis(2-chloroethyl)ether	n/a	=	16.7	µg/L	EPA 625	0.27	1			
2017/18-1	000NONPJ	matrix spike dup, rec	1/25/2018	Organic	Bis(2-chloroethyl)ether	n/a	=	67	%	EPA 625	-88	-88	12	158	
2017/18-1	000NONPJ	matrix spike, RPD	1/25/2018	Organic	Bis(2-chloroethyl)ether	n/a	=	4	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/15/2018	Organic	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2017/18-1	Lab	LCS	1/15/2018	Organic	Bis(2-chloroethyl)ether	n/a	=	14.7	µg/L	EPA 625	0.27	1			
2017/18-1	Lab	LCS, rec	1/15/2018	Organic	Bis(2-chloroethyl)ether	n/a	=	59	%	EPA 625	-88	-88	12	158	
2017/18-1	Lab	LCS dup	1/15/2018	Organic	Bis(2-chloroethyl)ether	n/a	=	15.7	µg/L	EPA 625	0.27	1			
2017/18-1	Lab	LCS dup, rec	1/15/2018	Organic	Bis(2-chloroethyl)ether	n/a	=	63	%	EPA 625	-88	-88	12	158	
2017/18-1	Lab	LCS, RPD	1/15/2018	Organic	Bis(2-chloroethyl)ether	n/a	=	6	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/25/2018	Organic	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2017/18-1	Lab	LCS	1/25/2018	Organic	Bis(2-chloroethyl)ether	n/a	=	17.8	µg/L	EPA 625	0.27	1			
2017/18-1	Lab	LCS, rec	1/25/2018	Organic	Bis(2-chloroethyl)ether	n/a	=	71	%	EPA 625	-88	-88	12	158	
2017/18-1	000NONPJ	matrix spike	1/25/2018	Organic	Bis(2-chloroisopropyl)ether	n/a	=	16.2	µg/L	EPA 625	0.38	1			
2017/18-1	000NONPJ	matrix spike, rec	1/25/2018	Organic	Bis(2-chloroisopropyl)ether	n/a	=	65	%	EPA 625	-88	-88	36	166	
2017/18-1	000NONPJ	matrix spike dup	1/25/2018	Organic	Bis(2-chloroisopropyl)ether	n/a	=	15.4	µg/L	EPA 625	0.38	1			
2017/18-1	000NONPJ	matrix spike dup, rec	1/25/2018	Organic	Bis(2-chloroisopropyl)ether	n/a	=	62	%	EPA 625	-88	-88	36	166	
2017/18-1	000NONPJ	matrix spike, RPD	1/25/2018	Organic	Bis(2-chloroisopropyl)ether	n/a	=	5	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/15/2018	Organic	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2017/18-1	Lab	LCS	1/15/2018	Organic	Bis(2-chloroisopropyl)ether	n/a	=	14.9	µg/L	EPA 625	0.38	1			
2017/18-1	Lab	LCS, rec	1/15/2018	Organic	Bis(2-chloroisopropyl)ether	n/a	=	59	%	EPA 625	-88	-88	36	166	
2017/18-1	Lab	LCS dup	1/15/2018	Organic	Bis(2-chloroisopropyl)ether	n/a	=	19.5	µg/L	EPA 625	0.38	1			
2017/18-1	Lab	LCS dup, rec	1/15/2018	Organic	Bis(2-chloroisopropyl)ether	n/a	=	78	%	EPA 625	-88	-88	36	166	
2017/18-1	Lab	LCS, RPD	1/15/2018	Organic	Bis(2-chloroisopropyl)ether	n/a	=	27	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/25/2018	Organic	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2017/18-1	Lab	LCS	1/25/2018	Organic	Bis(2-chloroisopropyl)ether	n/a	=	18.8	µg/L	EPA 625	0.38	1			
2017/18-1	Lab	LCS, rec	1/25/2018	Organic	Bis(2-chloroisopropyl)ether	n/a	=	75	%	EPA 625	-88	-88	36	166	
2017/18-1	Lab	method blank	1/23/2018	Organic	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5			
2017/18-1	Lab	LCS	1/23/2018	Organic	Bis(2-ethylhexyl)adipate	n/a	=	5.26	µg/L	EPA 525.2	0.1	5			
2017/18-1	Lab	LCS, rec	1/23/2018	Organic	Bis(2-ethylhexyl)adipate	n/a	=	105	%	EPA 525.2	-88	-88	70	130	
2017/18-1	Lab	LCS dup	1/23/2018	Organic	Bis(2-ethylhexyl)adipate	n/a	=	5.77	µg/L	EPA 525.2	0.1	5			
2017/18-1	Lab	LCS dup, rec	1/23/2018	Organic	Bis(2-ethylhexyl)adipate	n/a	=	115	%	EPA 525.2	-88	-88	70	130	
2017/18-1	Lab	LCS, RPD	1/23/2018	Organic	Bis(2-ethylhexyl)adipate	n/a	=	9	%	EPA 525.2	-88	-88	0	30	
2017/18-1	000NONPJ	matrix spike	1/25/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	27.4	µg/L	EPA 625	2.3	5			
2017/18-1	000NONPJ	matrix spike, rec	1/25/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	109	%	EPA 625	-88	-88	8	158	
2017/18-1	000NONPJ	matrix spike dup	1/25/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	24.6	µg/L	EPA 625	2.3	5			
2017/18-1	000NONPJ	matrix spike dup, rec	1/25/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	98	%	EPA 625	-88	-88	8	158	
2017/18-1	000NONPJ	matrix spike, RPD	1/25/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	11	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/15/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	4			
2017/18-1	Lab	LCS	1/15/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	21.6	µg/L	EPA 625	2.3	4			
2017/18-1	Lab	LCS, rec	1/15/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	86	%	EPA 625	-88	-88	8	158	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	Lab	LCS dup	1/15/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	14.9	µg/L	EPA 625	2.3	4			
2017/18-1	Lab	LCS dup, rec	1/15/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	60	%	EPA 625	-88	-88	8	158	
2017/18-1	Lab	LCS, RPD	1/15/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	36	%	EPA 625	-88	-88	0	30	IL
2017/18-1	Lab	method blank	1/23/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3			
2017/18-1	Lab	LCS	1/23/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	5.82	µg/L	EPA 525.2	1.1	3			
2017/18-1	Lab	LCS, rec	1/23/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	116	%	EPA 525.2	-88	-88	70	130	
2017/18-1	Lab	LCS dup	1/23/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	6.97	µg/L	EPA 525.2	1.1	3			EUM
2017/18-1	Lab	LCS dup, rec	1/23/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	139	%	EPA 525.2	-88	-88	70	130	EUM
2017/18-1	Lab	LCS, RPD	1/23/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	18	%	EPA 525.2	-88	-88	0	30	
2017/18-1	Lab	method blank	1/25/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3			
2017/18-1	Lab	LCS	1/25/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	5.3	µg/L	EPA 525.2	1.1	3			
2017/18-1	Lab	LCS, rec	1/25/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	106	%	EPA 525.2	-88	-88	70	130	
2017/18-1	Lab	LCS dup	1/25/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	6.22	µg/L	EPA 525.2	1.1	3			
2017/18-1	Lab	LCS dup, rec	1/25/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	124	%	EPA 525.2	-88	-88	70	130	
2017/18-1	Lab	LCS, RPD	1/25/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	16	%	EPA 525.2	-88	-88	0	30	
2017/18-1	Lab	method blank	1/25/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5			
2017/18-1	Lab	LCS	1/25/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	25.2	µg/L	EPA 625	2.3	5			
2017/18-1	Lab	LCS, rec	1/25/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	101	%	EPA 625	-88	-88	8	158	
2017/18-1	000NONPJ	matrix spike	1/25/2018	Organic	Butyl benzyl phthalate	n/a	=	23.7	µg/L	EPA 625	0.18	1			
2017/18-1	000NONPJ	matrix spike, rec	1/25/2018	Organic	Butyl benzyl phthalate	n/a	=	95	%	EPA 625	-88	-88	0.1	152	
2017/18-1	000NONPJ	matrix spike dup	1/25/2018	Organic	Butyl benzyl phthalate	n/a	=	22.9	µg/L	EPA 625	0.18	1			
2017/18-1	000NONPJ	matrix spike dup, rec	1/25/2018	Organic	Butyl benzyl phthalate	n/a	=	92	%	EPA 625	-88	-88	0.1	152	
2017/18-1	000NONPJ	matrix spike, RPD	1/25/2018	Organic	Butyl benzyl phthalate	n/a	=	4	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/15/2018	Organic	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2017/18-1	Lab	LCS	1/15/2018	Organic	Butyl benzyl phthalate	n/a	=	20.3	µg/L	EPA 625	0.18	1			
2017/18-1	Lab	LCS, rec	1/15/2018	Organic	Butyl benzyl phthalate	n/a	=	81	%	EPA 625	-88	-88	0.1	152	
2017/18-1	Lab	LCS dup	1/15/2018	Organic	Butyl benzyl phthalate	n/a	=	14.1	µg/L	EPA 625	0.18	1			
2017/18-1	Lab	LCS dup, rec	1/15/2018	Organic	Butyl benzyl phthalate	n/a	=	56	%	EPA 625	-88	-88	0.1	152	
2017/18-1	Lab	LCS, RPD	1/15/2018	Organic	Butyl benzyl phthalate	n/a	=	36	%	EPA 625	-88	-88	0	30	IL
2017/18-1	Lab	method blank	1/25/2018	Organic	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2017/18-1	Lab	LCS	1/25/2018	Organic	Butyl benzyl phthalate	n/a	=	23.9	µg/L	EPA 625	0.18	1			
2017/18-1	Lab	LCS, rec	1/25/2018	Organic	Butyl benzyl phthalate	n/a	=	96	%	EPA 625	-88	-88	0.1	152	
2017/18-1	000NONPJ	matrix spike	1/25/2018	Organic	Chrysene	n/a	=	22.2	µg/L	EPA 625	0.19	1			
2017/18-1	000NONPJ	matrix spike, rec	1/25/2018	Organic	Chrysene	n/a	=	89	%	EPA 625	-88	-88	17	168	
2017/18-1	000NONPJ	matrix spike dup	1/25/2018	Organic	Chrysene	n/a	=	21.4	µg/L	EPA 625	0.19	1			
2017/18-1	000NONPJ	matrix spike dup, rec	1/25/2018	Organic	Chrysene	n/a	=	86	%	EPA 625	-88	-88	17	168	
2017/18-1	000NONPJ	matrix spike, RPD	1/25/2018	Organic	Chrysene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/15/2018	Organic	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2017/18-1	Lab	LCS	1/15/2018	Organic	Chrysene	n/a	=	20.6	µg/L	EPA 625	0.19	1			
2017/18-1	Lab	LCS, rec	1/15/2018	Organic	Chrysene	n/a	=	82	%	EPA 625	-88	-88	17	168	
2017/18-1	Lab	LCS dup	1/15/2018	Organic	Chrysene	n/a	=	20.6	µg/L	EPA 625	0.19	1			
2017/18-1	Lab	LCS dup, rec	1/15/2018	Organic	Chrysene	n/a	=	82	%	EPA 625	-88	-88	17	168	
2017/18-1	Lab	LCS, RPD	1/15/2018	Organic	Chrysene	n/a	=	0.2	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/25/2018	Organic	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2017/18-1	Lab	LCS	1/25/2018	Organic	Chrysene	n/a	=	23.8	µg/L	EPA 625	0.19	1			
2017/18-1	Lab	LCS, rec	1/25/2018	Organic	Chrysene	n/a	=	95	%	EPA 625	-88	-88	17	168	
2017/18-1	Lab	method blank	2/1/2018	Organic	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	Lab	LCS	2/1/2018	Organic	Chrysene	n/a	=	21.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-1	Lab	LCS, rec	2/1/2018	Organic	Chrysene	n/a	=	85	%	EPA 8270C	-88	-88	32	126	
2017/18-1	Lab	LCS dup	2/1/2018	Organic	Chrysene	n/a	=	22.2	µg/L	EPA 8270C	0.1	0.1			
2017/18-1	Lab	LCS dup, rec	2/1/2018	Organic	Chrysene	n/a	=	89	%	EPA 8270C	-88	-88	32	126	
2017/18-1	Lab	LCS, RPD	2/1/2018	Organic	Chrysene	n/a	=	5	%	EPA 8270C	-88	-88	0	30	
2017/18-1	000NONPJ	matrix spike	1/25/2018	Organic	Dibenz(a,h)anthracene	n/a	=	21.1	µg/L	EPA 625	0.08	2			
2017/18-1	000NONPJ	matrix spike, rec	1/25/2018	Organic	Dibenz(a,h)anthracene	n/a	=	84	%	EPA 625	-88	-88	0.1	227	
2017/18-1	000NONPJ	matrix spike dup	1/25/2018	Organic	Dibenz(a,h)anthracene	n/a	=	20.2	µg/L	EPA 625	0.08	2			
2017/18-1	000NONPJ	matrix spike dup, rec	1/25/2018	Organic	Dibenz(a,h)anthracene	n/a	=	81	%	EPA 625	-88	-88	0.1	227	
2017/18-1	000NONPJ	matrix spike, RPD	1/25/2018	Organic	Dibenz(a,h)anthracene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/15/2018	Organic	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2			
2017/18-1	Lab	LCS	1/15/2018	Organic	Dibenz(a,h)anthracene	n/a	=	17.3	µg/L	EPA 625	0.08	2			
2017/18-1	Lab	LCS, rec	1/15/2018	Organic	Dibenz(a,h)anthracene	n/a	=	69	%	EPA 625	-88	-88	0.1	227	
2017/18-1	Lab	LCS dup	1/15/2018	Organic	Dibenz(a,h)anthracene	n/a	=	17.7	µg/L	EPA 625	0.08	2			
2017/18-1	Lab	LCS dup, rec	1/15/2018	Organic	Dibenz(a,h)anthracene	n/a	=	71	%	EPA 625	-88	-88	0.1	227	
2017/18-1	Lab	LCS, RPD	1/15/2018	Organic	Dibenz(a,h)anthracene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/25/2018	Organic	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2			
2017/18-1	Lab	LCS	1/25/2018	Organic	Dibenz(a,h)anthracene	n/a	=	21.8	µg/L	EPA 625	0.08	2			
2017/18-1	Lab	LCS, rec	1/25/2018	Organic	Dibenz(a,h)anthracene	n/a	=	87	%	EPA 625	-88	-88	0.1	227	
2017/18-1	Lab	method blank	2/1/2018	Organic	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-1	Lab	LCS	2/1/2018	Organic	Dibenz(a,h)anthracene	n/a	=	20.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-1	Lab	LCS, rec	2/1/2018	Organic	Dibenz(a,h)anthracene	n/a	=	80	%	EPA 8270C	-88	-88	9	147	
2017/18-1	Lab	LCS dup	2/1/2018	Organic	Dibenz(a,h)anthracene	n/a	=	25.8	µg/L	EPA 8270C	0.1	0.1			
2017/18-1	Lab	LCS dup, rec	2/1/2018	Organic	Dibenz(a,h)anthracene	n/a	=	103	%	EPA 8270C	-88	-88	9	147	
2017/18-1	Lab	LCS, RPD	2/1/2018	Organic	Dibenz(a,h)anthracene	n/a	=	25	%	EPA 8270C	-88	-88	0	30	
2017/18-1	000NONPJ	matrix spike	1/25/2018	Organic	Diethyl phthalate	n/a	=	20.1	µg/L	EPA 625	0.15	1			
2017/18-1	000NONPJ	matrix spike, rec	1/25/2018	Organic	Diethyl phthalate	n/a	=	80	%	EPA 625	-88	-88	0.1	114	
2017/18-1	000NONPJ	matrix spike dup	1/25/2018	Organic	Diethyl phthalate	n/a	=	17.9	µg/L	EPA 625	0.15	1			
2017/18-1	000NONPJ	matrix spike dup, rec	1/25/2018	Organic	Diethyl phthalate	n/a	=	72	%	EPA 625	-88	-88	0.1	114	
2017/18-1	000NONPJ	matrix spike, RPD	1/25/2018	Organic	Diethyl phthalate	n/a	=	11	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/15/2018	Organic	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1			
2017/18-1	Lab	LCS	1/15/2018	Organic	Diethyl phthalate	n/a	=	17.2	µg/L	EPA 625	0.15	1			
2017/18-1	Lab	LCS, rec	1/15/2018	Organic	Diethyl phthalate	n/a	=	69	%	EPA 625	-88	-88	0.1	114	
2017/18-1	Lab	LCS dup	1/15/2018	Organic	Diethyl phthalate	n/a	=	17.8	µg/L	EPA 625	0.15	1			
2017/18-1	Lab	LCS dup, rec	1/15/2018	Organic	Diethyl phthalate	n/a	=	71	%	EPA 625	-88	-88	0.1	114	
2017/18-1	Lab	LCS, RPD	1/15/2018	Organic	Diethyl phthalate	n/a	=	4	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/25/2018	Organic	Diethyl phthalate	n/a	DNQ	0.159	µg/L	EPA 625	0.15	1			IP
2017/18-1	Lab	LCS	1/25/2018	Organic	Diethyl phthalate	n/a	=	20.9	µg/L	EPA 625	0.15	1			
2017/18-1	Lab	LCS, rec	1/25/2018	Organic	Diethyl phthalate	n/a	=	83	%	EPA 625	-88	-88	0.1	114	
2017/18-1	000NONPJ	matrix spike	1/25/2018	Organic	Dimethyl phthalate	n/a	=	27.3	µg/L	EPA 625	0.18	1			
2017/18-1	000NONPJ	matrix spike, rec	1/25/2018	Organic	Dimethyl phthalate	n/a	=	109	%	EPA 625	-88	-88	0.1	112	
2017/18-1	000NONPJ	matrix spike dup	1/25/2018	Organic	Dimethyl phthalate	n/a	=	17.2	µg/L	EPA 625	0.18	1			
2017/18-1	000NONPJ	matrix spike dup, rec	1/25/2018	Organic	Dimethyl phthalate	n/a	=	69	%	EPA 625	-88	-88	0.1	112	
2017/18-1	000NONPJ	matrix spike, RPD	1/25/2018	Organic	Dimethyl phthalate	n/a	=	45	%	EPA 625	-88	-88	0	30	IL
2017/18-1	Lab	method blank	1/15/2018	Organic	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2017/18-1	Lab	LCS	1/15/2018	Organic	Dimethyl phthalate	n/a	=	16.3	µg/L	EPA 625	0.18	1			
2017/18-1	Lab	LCS, rec	1/15/2018	Organic	Dimethyl phthalate	n/a	=	65	%	EPA 625	-88	-88	0.1	112	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	Lab	LCS dup	1/15/2018	Organic	Dimethyl phthalate	n/a	=	17.6	µg/L	EPA 625	0.18	1			
2017/18-1	Lab	LCS dup, rec	1/15/2018	Organic	Dimethyl phthalate	n/a	=	70	%	EPA 625	-88	-88	0.1	112	
2017/18-1	Lab	LCS, RPD	1/15/2018	Organic	Dimethyl phthalate	n/a	=	7	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/25/2018	Organic	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2017/18-1	Lab	LCS	1/25/2018	Organic	Dimethyl phthalate	n/a	=	21.2	µg/L	EPA 625	0.18	1			
2017/18-1	Lab	LCS, rec	1/25/2018	Organic	Dimethyl phthalate	n/a	=	85	%	EPA 625	-88	-88	0.1	112	
2017/18-1	000NONPJ	matrix spike	1/25/2018	Organic	Di-n-butylphthalate	n/a	=	22.1	µg/L	EPA 625	0.24	1			
2017/18-1	000NONPJ	matrix spike, rec	1/25/2018	Organic	Di-n-butylphthalate	n/a	=	89	%	EPA 625	-88	-88	1	118	
2017/18-1	000NONPJ	matrix spike dup	1/25/2018	Organic	Di-n-butylphthalate	n/a	=	19.8	µg/L	EPA 625	0.24	1			
2017/18-1	000NONPJ	matrix spike dup, rec	1/25/2018	Organic	Di-n-butylphthalate	n/a	=	79	%	EPA 625	-88	-88	1	118	
2017/18-1	000NONPJ	matrix spike, RPD	1/25/2018	Organic	Di-n-butylphthalate	n/a	=	11	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/15/2018	Organic	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1			
2017/18-1	Lab	LCS	1/15/2018	Organic	Di-n-butylphthalate	n/a	=	19.4	µg/L	EPA 625	0.24	1			
2017/18-1	Lab	LCS, rec	1/15/2018	Organic	Di-n-butylphthalate	n/a	=	77	%	EPA 625	-88	-88	1	118	
2017/18-1	Lab	LCS dup	1/15/2018	Organic	Di-n-butylphthalate	n/a	=	21.2	µg/L	EPA 625	0.24	1			
2017/18-1	Lab	LCS dup, rec	1/15/2018	Organic	Di-n-butylphthalate	n/a	=	85	%	EPA 625	-88	-88	1	118	
2017/18-1	Lab	LCS, RPD	1/15/2018	Organic	Di-n-butylphthalate	n/a	=	9	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/25/2018	Organic	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1			
2017/18-1	Lab	LCS	1/25/2018	Organic	Di-n-butylphthalate	n/a	=	22.9	µg/L	EPA 625	0.24	1			
2017/18-1	Lab	LCS, rec	1/25/2018	Organic	Di-n-butylphthalate	n/a	=	92	%	EPA 625	-88	-88	1	118	
2017/18-1	000NONPJ	matrix spike	1/25/2018	Organic	Di-n-octylphthalate	n/a	=	21.8	µg/L	EPA 625	0.19	1			
2017/18-1	000NONPJ	matrix spike, rec	1/25/2018	Organic	Di-n-octylphthalate	n/a	=	87	%	EPA 625	-88	-88	4	146	
2017/18-1	000NONPJ	matrix spike dup	1/25/2018	Organic	Di-n-octylphthalate	n/a	=	21.3	µg/L	EPA 625	0.19	1			
2017/18-1	000NONPJ	matrix spike dup, rec	1/25/2018	Organic	Di-n-octylphthalate	n/a	=	85	%	EPA 625	-88	-88	4	146	
2017/18-1	000NONPJ	matrix spike, RPD	1/25/2018	Organic	Di-n-octylphthalate	n/a	=	2	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/15/2018	Organic	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2017/18-1	Lab	LCS	1/15/2018	Organic	Di-n-octylphthalate	n/a	=	21.3	µg/L	EPA 625	0.19	1			
2017/18-1	Lab	LCS, rec	1/15/2018	Organic	Di-n-octylphthalate	n/a	=	85	%	EPA 625	-88	-88	4	146	
2017/18-1	Lab	LCS dup	1/15/2018	Organic	Di-n-octylphthalate	n/a	=	20.8	µg/L	EPA 625	0.19	1			
2017/18-1	Lab	LCS dup, rec	1/15/2018	Organic	Di-n-octylphthalate	n/a	=	83	%	EPA 625	-88	-88	4	146	
2017/18-1	Lab	LCS, RPD	1/15/2018	Organic	Di-n-octylphthalate	n/a	=	2	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/25/2018	Organic	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2017/18-1	Lab	LCS	1/25/2018	Organic	Di-n-octylphthalate	n/a	=	23.5	µg/L	EPA 625	0.19	1			
2017/18-1	Lab	LCS, rec	1/25/2018	Organic	Di-n-octylphthalate	n/a	=	94	%	EPA 625	-88	-88	4	146	
2017/18-1	000NONPJ	matrix spike	1/25/2018	Organic	Fluoranthene	n/a	=	29.8	µg/L	EPA 625	0.22	1			
2017/18-1	000NONPJ	matrix spike, rec	1/25/2018	Organic	Fluoranthene	n/a	=	119	%	EPA 625	-88	-88	26	137	
2017/18-1	000NONPJ	matrix spike dup	1/25/2018	Organic	Fluoranthene	n/a	=	27.2	µg/L	EPA 625	0.22	1			
2017/18-1	000NONPJ	matrix spike dup, rec	1/25/2018	Organic	Fluoranthene	n/a	=	109	%	EPA 625	-88	-88	26	137	
2017/18-1	000NONPJ	matrix spike, RPD	1/25/2018	Organic	Fluoranthene	n/a	=	9	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/15/2018	Organic	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2017/18-1	Lab	LCS	1/15/2018	Organic	Fluoranthene	n/a	=	23.5	µg/L	EPA 625	0.22	1			
2017/18-1	Lab	LCS, rec	1/15/2018	Organic	Fluoranthene	n/a	=	94	%	EPA 625	-88	-88	26	137	
2017/18-1	Lab	LCS dup	1/15/2018	Organic	Fluoranthene	n/a	=	22.8	µg/L	EPA 625	0.22	1			
2017/18-1	Lab	LCS dup, rec	1/15/2018	Organic	Fluoranthene	n/a	=	91	%	EPA 625	-88	-88	26	137	
2017/18-1	Lab	LCS, RPD	1/15/2018	Organic	Fluoranthene	n/a	=	3	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/25/2018	Organic	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2017/18-1	Lab	LCS	1/25/2018	Organic	Fluoranthene	n/a	=	30.4	µg/L	EPA 625	0.22	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	Lab	LCS, rec	1/25/2018	Organic	Fluoranthene	n/a	=	122	%	EPA 625	-88	-88	26	137	
2017/18-1	Lab	method blank	2/1/2018	Organic	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-1	Lab	LCS	2/1/2018	Organic	Fluoranthene	n/a	=	20.4	µg/L	EPA 8270C	0.1	0.1			
2017/18-1	Lab	LCS, rec	2/1/2018	Organic	Fluoranthene	n/a	=	82	%	EPA 8270C	-88	-88	22	131	
2017/18-1	Lab	LCS dup	2/1/2018	Organic	Fluoranthene	n/a	=	27.9	µg/L	EPA 8270C	0.1	0.1			
2017/18-1	Lab	LCS dup, rec	2/1/2018	Organic	Fluoranthene	n/a	=	111	%	EPA 8270C	-88	-88	22	131	
2017/18-1	Lab	LCS, RPD	2/1/2018	Organic	Fluoranthene	n/a	=	31	%	EPA 8270C	-88	-88	0	30	IL
2017/18-1	000NONPJ	matrix spike	1/25/2018	Organic	Fluorene	n/a	=	18.3	µg/L	EPA 625	0.35	1			
2017/18-1	000NONPJ	matrix spike, rec	1/25/2018	Organic	Fluorene	n/a	=	73	%	EPA 625	-88	-88	59	121	
2017/18-1	000NONPJ	matrix spike dup	1/25/2018	Organic	Fluorene	n/a	=	16.8	µg/L	EPA 625	0.35	1			
2017/18-1	000NONPJ	matrix spike dup, rec	1/25/2018	Organic	Fluorene	n/a	=	67	%	EPA 625	-88	-88	59	121	
2017/18-1	000NONPJ	matrix spike, RPD	1/25/2018	Organic	Fluorene	n/a	=	9	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/15/2018	Organic	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1			
2017/18-1	Lab	LCS	1/15/2018	Organic	Fluorene	n/a	=	17.2	µg/L	EPA 625	0.35	1			
2017/18-1	Lab	LCS, rec	1/15/2018	Organic	Fluorene	n/a	=	69	%	EPA 625	-88	-88	59	121	
2017/18-1	Lab	LCS dup	1/15/2018	Organic	Fluorene	n/a	=	18	µg/L	EPA 625	0.35	1			
2017/18-1	Lab	LCS dup, rec	1/15/2018	Organic	Fluorene	n/a	=	72	%	EPA 625	-88	-88	59	121	
2017/18-1	Lab	LCS, RPD	1/15/2018	Organic	Fluorene	n/a	=	5	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/25/2018	Organic	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1			
2017/18-1	Lab	LCS	1/25/2018	Organic	Fluorene	n/a	=	21.3	µg/L	EPA 625	0.35	1			
2017/18-1	Lab	LCS, rec	1/25/2018	Organic	Fluorene	n/a	=	85	%	EPA 625	-88	-88	59	121	
2017/18-1	Lab	method blank	2/1/2018	Organic	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-1	Lab	LCS	2/1/2018	Organic	Fluorene	n/a	=	18.3	µg/L	EPA 8270C	0.1	0.1			
2017/18-1	Lab	LCS, rec	2/1/2018	Organic	Fluorene	n/a	=	73	%	EPA 8270C	-88	-88	19	122	
2017/18-1	Lab	LCS dup	2/1/2018	Organic	Fluorene	n/a	=	18.7	µg/L	EPA 8270C	0.1	0.1			
2017/18-1	Lab	LCS dup, rec	2/1/2018	Organic	Fluorene	n/a	=	75	%	EPA 8270C	-88	-88	19	122	
2017/18-1	Lab	LCS, RPD	2/1/2018	Organic	Fluorene	n/a	=	2	%	EPA 8270C	-88	-88	0	30	
2017/18-1	000NONPJ	matrix spike	1/25/2018	Organic	Hexachlorobenzene	n/a	=	14.6	µg/L	EPA 625	0.49	1			
2017/18-1	000NONPJ	matrix spike, rec	1/25/2018	Organic	Hexachlorobenzene	n/a	=	59	%	EPA 625	-88	-88	0.1	152	
2017/18-1	000NONPJ	matrix spike dup	1/25/2018	Organic	Hexachlorobenzene	n/a	=	19.1	µg/L	EPA 625	0.49	1			
2017/18-1	000NONPJ	matrix spike dup, rec	1/25/2018	Organic	Hexachlorobenzene	n/a	=	77	%	EPA 625	-88	-88	0.1	152	
2017/18-1	000NONPJ	matrix spike, RPD	1/25/2018	Organic	Hexachlorobenzene	n/a	=	27	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/15/2018	Organic	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1			
2017/18-1	Lab	LCS	1/15/2018	Organic	Hexachlorobenzene	n/a	=	17.8	µg/L	EPA 625	0.49	1			
2017/18-1	Lab	LCS, rec	1/15/2018	Organic	Hexachlorobenzene	n/a	=	71	%	EPA 625	-88	-88	0.1	152	
2017/18-1	Lab	LCS dup	1/15/2018	Organic	Hexachlorobenzene	n/a	=	27.7	µg/L	EPA 625	0.49	1			
2017/18-1	Lab	LCS dup, rec	1/15/2018	Organic	Hexachlorobenzene	n/a	=	111	%	EPA 625	-88	-88	0.1	152	
2017/18-1	Lab	LCS, RPD	1/15/2018	Organic	Hexachlorobenzene	n/a	=	44	%	EPA 625	-88	-88	0	30	IL
2017/18-1	Lab	method blank	1/25/2018	Organic	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1			
2017/18-1	Lab	LCS	1/25/2018	Organic	Hexachlorobenzene	n/a	=	21.9	µg/L	EPA 625	0.49	1			
2017/18-1	Lab	LCS, rec	1/25/2018	Organic	Hexachlorobenzene	n/a	=	88	%	EPA 625	-88	-88	0.1	152	
2017/18-1	000NONPJ	matrix spike	1/25/2018	Organic	Hexachlorobutadiene	n/a	=	19.5	µg/L	EPA 625	0.47	1			
2017/18-1	000NONPJ	matrix spike, rec	1/25/2018	Organic	Hexachlorobutadiene	n/a	=	78	%	EPA 625	-88	-88	24	116	
2017/18-1	000NONPJ	matrix spike dup	1/25/2018	Organic	Hexachlorobutadiene	n/a	=	17.6	µg/L	EPA 625	0.47	1			
2017/18-1	000NONPJ	matrix spike dup, rec	1/25/2018	Organic	Hexachlorobutadiene	n/a	=	70	%	EPA 625	-88	-88	24	116	
2017/18-1	000NONPJ	matrix spike, RPD	1/25/2018	Organic	Hexachlorobutadiene	n/a	=	10	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/15/2018	Organic	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	Lab	LCS	1/15/2018	Organic	Hexachlorobutadiene	n/a	=	16	µg/L	EPA 625	0.47	1			
2017/18-1	Lab	LCS, rec	1/15/2018	Organic	Hexachlorobutadiene	n/a	=	64	%	EPA 625	-88	-88	24	116	
2017/18-1	Lab	LCS dup	1/15/2018	Organic	Hexachlorobutadiene	n/a	=	18.1	µg/L	EPA 625	0.47	1			
2017/18-1	Lab	LCS dup, rec	1/15/2018	Organic	Hexachlorobutadiene	n/a	=	72	%	EPA 625	-88	-88	24	116	
2017/18-1	Lab	LCS, RPD	1/15/2018	Organic	Hexachlorobutadiene	n/a	=	12	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/25/2018	Organic	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1			
2017/18-1	Lab	LCS	1/25/2018	Organic	Hexachlorobutadiene	n/a	=	20.8	µg/L	EPA 625	0.47	1			
2017/18-1	Lab	LCS, rec	1/25/2018	Organic	Hexachlorobutadiene	n/a	=	83	%	EPA 625	-88	-88	24	116	
2017/18-1	000NONPJ	matrix spike	1/25/2018	Organic	Hexachlorocyclopentadiene	n/a	=	9.21	µg/L	EPA 625	1.5	5			
2017/18-1	000NONPJ	matrix spike, rec	1/25/2018	Organic	Hexachlorocyclopentadiene	n/a	=	37	%	EPA 625	-88	-88	10	80	
2017/18-1	000NONPJ	matrix spike dup	1/25/2018	Organic	Hexachlorocyclopentadiene	n/a	=	8.46	µg/L	EPA 625	1.5	5			
2017/18-1	000NONPJ	matrix spike dup, rec	1/25/2018	Organic	Hexachlorocyclopentadiene	n/a	=	34	%	EPA 625	-88	-88	10	80	
2017/18-1	000NONPJ	matrix spike, RPD	1/25/2018	Organic	Hexachlorocyclopentadiene	n/a	=	8	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/15/2018	Organic	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5			
2017/18-1	Lab	LCS	1/15/2018	Organic	Hexachlorocyclopentadiene	n/a	=	5.63	µg/L	EPA 625	1.5	5			
2017/18-1	Lab	LCS, rec	1/15/2018	Organic	Hexachlorocyclopentadiene	n/a	=	23	%	EPA 625	-88	-88	0.1	81	
2017/18-1	Lab	LCS dup	1/15/2018	Organic	Hexachlorocyclopentadiene	n/a	=	7.27	µg/L	EPA 625	1.5	5			
2017/18-1	Lab	LCS dup, rec	1/15/2018	Organic	Hexachlorocyclopentadiene	n/a	=	29	%	EPA 625	-88	-88	0.1	81	
2017/18-1	Lab	LCS, RPD	1/15/2018	Organic	Hexachlorocyclopentadiene	n/a	=	25	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/25/2018	Organic	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5			
2017/18-1	Lab	LCS	1/25/2018	Organic	Hexachlorocyclopentadiene	n/a	=	9.21	µg/L	EPA 625	1.5	5			
2017/18-1	Lab	LCS, rec	1/25/2018	Organic	Hexachlorocyclopentadiene	n/a	=	37	%	EPA 625	-88	-88	0.1	81	
2017/18-1	000NONPJ	matrix spike	1/25/2018	Organic	Hexachloroethane	n/a	=	17.9	µg/L	EPA 625	0.52	1			
2017/18-1	000NONPJ	matrix spike, rec	1/25/2018	Organic	Hexachloroethane	n/a	=	72	%	EPA 625	-88	-88	40	113	
2017/18-1	000NONPJ	matrix spike dup	1/25/2018	Organic	Hexachloroethane	n/a	=	18.4	µg/L	EPA 625	0.52	1			
2017/18-1	000NONPJ	matrix spike dup, rec	1/25/2018	Organic	Hexachloroethane	n/a	=	74	%	EPA 625	-88	-88	40	113	
2017/18-1	000NONPJ	matrix spike, RPD	1/25/2018	Organic	Hexachloroethane	n/a	=	3	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/15/2018	Organic	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1			
2017/18-1	Lab	LCS	1/15/2018	Organic	Hexachloroethane	n/a	=	14.4	µg/L	EPA 625	0.52	1			
2017/18-1	Lab	LCS, rec	1/15/2018	Organic	Hexachloroethane	n/a	=	58	%	EPA 625	-88	-88	40	113	
2017/18-1	Lab	LCS dup	1/15/2018	Organic	Hexachloroethane	n/a	=	16.9	µg/L	EPA 625	0.52	1			
2017/18-1	Lab	LCS dup, rec	1/15/2018	Organic	Hexachloroethane	n/a	=	68	%	EPA 625	-88	-88	40	113	
2017/18-1	Lab	LCS, RPD	1/15/2018	Organic	Hexachloroethane	n/a	=	16	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/25/2018	Organic	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1			
2017/18-1	Lab	LCS	1/25/2018	Organic	Hexachloroethane	n/a	=	18.7	µg/L	EPA 625	0.52	1			
2017/18-1	Lab	LCS, rec	1/25/2018	Organic	Hexachloroethane	n/a	=	75	%	EPA 625	-88	-88	40	113	
2017/18-1	000NONPJ	matrix spike	1/25/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	20.1	µg/L	EPA 625	0.12	2			
2017/18-1	000NONPJ	matrix spike, rec	1/25/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	81	%	EPA 625	-88	-88	0.1	171	
2017/18-1	000NONPJ	matrix spike dup	1/25/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	19.3	µg/L	EPA 625	0.12	2			
2017/18-1	000NONPJ	matrix spike dup, rec	1/25/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	77	%	EPA 625	-88	-88	0.1	171	
2017/18-1	000NONPJ	matrix spike, RPD	1/25/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/15/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2			
2017/18-1	Lab	LCS	1/15/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	16.7	µg/L	EPA 625	0.12	2			
2017/18-1	Lab	LCS, rec	1/15/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	67	%	EPA 625	-88	-88	0.1	171	
2017/18-1	Lab	LCS dup	1/15/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	17.1	µg/L	EPA 625	0.12	2			
2017/18-1	Lab	LCS dup, rec	1/15/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	68	%	EPA 625	-88	-88	0.1	171	
2017/18-1	Lab	LCS, RPD	1/15/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	2	%	EPA 625	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	Lab	method blank	1/25/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2			
2017/18-1	Lab	LCS	1/25/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	21.4	µg/L	EPA 625	0.12	2			
2017/18-1	Lab	LCS, rec	1/25/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	85	%	EPA 625	-88	-88	0.1	171	
2017/18-1	Lab	method blank	2/1/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-1	Lab	LCS	2/1/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	20.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-1	Lab	LCS, rec	2/1/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	80	%	EPA 8270C	-88	-88	12	136	
2017/18-1	Lab	LCS dup	2/1/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	25.6	µg/L	EPA 8270C	0.1	0.1			
2017/18-1	Lab	LCS dup, rec	2/1/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	102	%	EPA 8270C	-88	-88	12	136	
2017/18-1	Lab	LCS, RPD	2/1/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	24	%	EPA 8270C	-88	-88	0	30	
2017/18-1	000NONPJ	matrix spike	1/25/2018	Organic	Isophorone	n/a	=	15.1	µg/L	EPA 625	0.21	1			
2017/18-1	000NONPJ	matrix spike, rec	1/25/2018	Organic	Isophorone	n/a	=	60	%	EPA 625	-88	-88	21	196	
2017/18-1	000NONPJ	matrix spike dup	1/25/2018	Organic	Isophorone	n/a	=	16	µg/L	EPA 625	0.21	1			
2017/18-1	000NONPJ	matrix spike dup, rec	1/25/2018	Organic	Isophorone	n/a	=	64	%	EPA 625	-88	-88	21	196	
2017/18-1	000NONPJ	matrix spike, RPD	1/25/2018	Organic	Isophorone	n/a	=	6	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/15/2018	Organic	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1			
2017/18-1	Lab	LCS	1/15/2018	Organic	Isophorone	n/a	=	13.8	µg/L	EPA 625	0.21	1			
2017/18-1	Lab	LCS, rec	1/15/2018	Organic	Isophorone	n/a	=	55	%	EPA 625	-88	-88	21	196	
2017/18-1	Lab	LCS dup	1/15/2018	Organic	Isophorone	n/a	=	14.7	µg/L	EPA 625	0.21	1			
2017/18-1	Lab	LCS dup, rec	1/15/2018	Organic	Isophorone	n/a	=	59	%	EPA 625	-88	-88	21	196	
2017/18-1	Lab	LCS, RPD	1/15/2018	Organic	Isophorone	n/a	=	6	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/25/2018	Organic	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1			
2017/18-1	Lab	LCS	1/25/2018	Organic	Isophorone	n/a	=	17.8	µg/L	EPA 625	0.21	1			
2017/18-1	Lab	LCS, rec	1/25/2018	Organic	Isophorone	n/a	=	71	%	EPA 625	-88	-88	21	196	
2017/18-1	Lab	LCS	1/11/2018	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	50.2	µg/L	EPA 624	0.25	1			
2017/18-1	Lab	LCS, rec	1/11/2018	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	100	%	EPA 624	-88	-88	80	128	
2017/18-1	Lab	LCS dup	1/11/2018	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	53.1	µg/L	EPA 624	0.25	1			
2017/18-1	Lab	LCS dup, rec	1/11/2018	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	106	%	EPA 624	-88	-88	80	128	
2017/18-1	Lab	LCS, RPD	1/11/2018	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	6	%	EPA 624	-88	-88	0	25	
2017/18-1	Lab	method blank	1/11/2018	Organic	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1			
2017/18-1	000NONPJ	matrix spike	1/25/2018	Organic	Naphthalene	n/a	=	18.7	µg/L	EPA 625	0.49	1			
2017/18-1	000NONPJ	matrix spike, rec	1/25/2018	Organic	Naphthalene	n/a	=	75	%	EPA 625	-88	-88	21	133	
2017/18-1	000NONPJ	matrix spike dup	1/25/2018	Organic	Naphthalene	n/a	=	16.3	µg/L	EPA 625	0.49	1			
2017/18-1	000NONPJ	matrix spike dup, rec	1/25/2018	Organic	Naphthalene	n/a	=	65	%	EPA 625	-88	-88	21	133	
2017/18-1	000NONPJ	matrix spike, RPD	1/25/2018	Organic	Naphthalene	n/a	=	14	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/15/2018	Organic	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1			
2017/18-1	Lab	LCS	1/15/2018	Organic	Naphthalene	n/a	=	17.1	µg/L	EPA 625	0.49	1			
2017/18-1	Lab	LCS, rec	1/15/2018	Organic	Naphthalene	n/a	=	68	%	EPA 625	-88	-88	21	133	
2017/18-1	Lab	LCS dup	1/15/2018	Organic	Naphthalene	n/a	=	18.8	µg/L	EPA 625	0.49	1			
2017/18-1	Lab	LCS dup, rec	1/15/2018	Organic	Naphthalene	n/a	=	75	%	EPA 625	-88	-88	21	133	
2017/18-1	Lab	LCS, RPD	1/15/2018	Organic	Naphthalene	n/a	=	10	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/25/2018	Organic	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1			
2017/18-1	Lab	LCS	1/25/2018	Organic	Naphthalene	n/a	=	19.8	µg/L	EPA 625	0.49	1			
2017/18-1	Lab	LCS, rec	1/25/2018	Organic	Naphthalene	n/a	=	79	%	EPA 625	-88	-88	21	133	
2017/18-1	Lab	method blank	2/1/2018	Organic	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-1	Lab	LCS	2/1/2018	Organic	Naphthalene	n/a	=	17.4	µg/L	EPA 8270C	0.1	0.1			
2017/18-1	Lab	LCS, rec	2/1/2018	Organic	Naphthalene	n/a	=	70	%	EPA 8270C	-88	-88	12	136	
2017/18-1	Lab	LCS dup	2/1/2018	Organic	Naphthalene	n/a	=	17.7	µg/L	EPA 8270C	0.1	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	Lab	LCS dup, rec	2/1/2018	Organic	Naphthalene	n/a	=	71	%	EPA 8270C	-88	-88	12	136	
2017/18-1	Lab	LCS, RPD	2/1/2018	Organic	Naphthalene	n/a	=	1	%	EPA 8270C	-88	-88	0	30	
2017/18-1	000NONPJ	matrix spike	1/25/2018	Organic	Nitrobenzene	n/a	=	16.4	µg/L	EPA 625	-88	-88	1		
2017/18-1	000NONPJ	matrix spike, rec	1/25/2018	Organic	Nitrobenzene	n/a	=	66	%	EPA 625	-88	-88	35	180	
2017/18-1	000NONPJ	matrix spike dup	1/25/2018	Organic	Nitrobenzene	n/a	=	15.6	µg/L	EPA 625	0.36	1			
2017/18-1	000NONPJ	matrix spike dup, rec	1/25/2018	Organic	Nitrobenzene	n/a	=	62	%	EPA 625	-88	-88	35	180	
2017/18-1	000NONPJ	matrix spike, RPD	1/25/2018	Organic	Nitrobenzene	n/a	=	5	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/15/2018	Organic	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2017/18-1	Lab	LCS	1/15/2018	Organic	Nitrobenzene	n/a	=	14.4	µg/L	EPA 625	0.36	1			
2017/18-1	Lab	LCS, rec	1/15/2018	Organic	Nitrobenzene	n/a	=	58	%	EPA 625	-88	-88	35	180	
2017/18-1	Lab	LCS dup	1/15/2018	Organic	Nitrobenzene	n/a	=	14.8	µg/L	EPA 625	0.36	1			
2017/18-1	Lab	LCS dup, rec	1/15/2018	Organic	Nitrobenzene	n/a	=	59	%	EPA 625	-88	-88	35	180	
2017/18-1	Lab	LCS, RPD	1/15/2018	Organic	Nitrobenzene	n/a	=	3	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/25/2018	Organic	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2017/18-1	Lab	LCS	1/25/2018	Organic	Nitrobenzene	n/a	=	18.2	µg/L	EPA 625	0.36	1			
2017/18-1	Lab	LCS, rec	1/25/2018	Organic	Nitrobenzene	n/a	=	73	%	EPA 625	-88	-88	35	180	
2017/18-1	000NONPJ	srgt matrix spike	1/25/2018	Organic	Nitrobenzene-d5	n/a	=	17.8	µg/L	EPA 625	-88	-88			
2017/18-1	000NONPJ	srgt matrix spike, rec	1/25/2018	Organic	Nitrobenzene-d5	n/a	=	71	%	EPA 625	-88	-88	27	111	
2017/18-1	000NONPJ	srgt matrix spike dup	1/25/2018	Organic	Nitrobenzene-d5	n/a	=	17.2	µg/L	EPA 625	-88	-88			
2017/18-1	000NONPJ	srgt matrix spike dup, rec	1/25/2018	Organic	Nitrobenzene-d5	n/a	=	69	%	EPA 625	-88	-88	27	111	
2017/18-1	Lab	srgt method blank	1/15/2018	Organic	Nitrobenzene-d5	n/a	=	18.9	µg/L	EPA 625	-88	-88			
2017/18-1	Lab	srgt method blank, rec	1/15/2018	Organic	Nitrobenzene-d5	n/a	=	76	%	EPA 625	-88	-88	27	111	
2017/18-1	Lab	srgt LCS	1/15/2018	Organic	Nitrobenzene-d5	n/a	=	16.1	µg/L	EPA 625	-88	-88			
2017/18-1	Lab	srgt LCS, rec	1/15/2018	Organic	Nitrobenzene-d5	n/a	=	64	%	EPA 625	-88	-88	27	111	
2017/18-1	Lab	srgt LCS dup	1/15/2018	Organic	Nitrobenzene-d5	n/a	=	16.9	µg/L	EPA 625	-88	-88			
2017/18-1	Lab	srgt LCS dup, rec	1/15/2018	Organic	Nitrobenzene-d5	n/a	=	68	%	EPA 625	-88	-88	27	111	
2017/18-1	Lab	srgt method blank	1/25/2018	Organic	Nitrobenzene-d5	n/a	=	22.5	µg/L	EPA 625	-88	-88			
2017/18-1	Lab	srgt method blank, rec	1/25/2018	Organic	Nitrobenzene-d5	n/a	=	90	%	EPA 625	-88	-88	27	111	
2017/18-1	Lab	srgt LCS	1/25/2018	Organic	Nitrobenzene-d5	n/a	=	19.7	µg/L	EPA 625	-88	-88			
2017/18-1	Lab	srgt LCS, rec	1/25/2018	Organic	Nitrobenzene-d5	n/a	=	79	%	EPA 625	-88	-88	27	111	
2017/18-1	Lab	srgt method blank	2/1/2018	Organic	Nitrobenzene-d5	n/a	=	16.3	µg/L	EPA 8270C	-88	-88			
2017/18-1	Lab	srgt method blank, rec	2/1/2018	Organic	Nitrobenzene-d5	n/a	=	65	%	EPA 8270C	-88	-88	51	143	
2017/18-1	Lab	srgt LCS	2/1/2018	Organic	Nitrobenzene-d5	n/a	=	17.4	µg/L	EPA 8270C	-88	-88			
2017/18-1	Lab	srgt LCS, rec	2/1/2018	Organic	Nitrobenzene-d5	n/a	=	70	%	EPA 8270C	-88	-88	51	143	
2017/18-1	Lab	srgt LCS dup	2/1/2018	Organic	Nitrobenzene-d5	n/a	=	16.3	µg/L	EPA 8270C	-88	-88			
2017/18-1	Lab	srgt LCS dup, rec	2/1/2018	Organic	Nitrobenzene-d5	n/a	=	65	%	EPA 8270C	-88	-88	51	143	
2017/18-1	ME-CC	srgt environ	1/25/2018	Organic	Nitrobenzene-d5	n/a	=	17.7	µg/L	EPA 625	-88	-88			
2017/18-1	ME-CC	srgt environ, rec	1/25/2018	Organic	Nitrobenzene-d5	n/a	=	71	%	EPA 625	-88	-88	27	111	
2017/18-1	ME-CC	srgt environ	2/1/2018	Organic	Nitrobenzene-d5	n/a	=	9.43	µg/L	EPA 8270C	-88	-88			GN
2017/18-1	ME-CC	srgt environ, rec	2/1/2018	Organic	Nitrobenzene-d5	n/a	=	38	%	EPA 8270C	-88	-88	51	143	GN
2017/18-1	ME-SCR	srgt environ	1/15/2018	Organic	Nitrobenzene-d5	n/a	=	16.9	µg/L	EPA 625	-88	-88			
2017/18-1	ME-SCR	srgt environ, rec	1/15/2018	Organic	Nitrobenzene-d5	n/a	=	68	%	EPA 625	-88	-88	27	111	
2017/18-1	ME-SCR	srgt environ	2/1/2018	Organic	Nitrobenzene-d5	n/a	=	16	µg/L	EPA 8270C	-88	-88			
2017/18-1	ME-SCR	srgt environ, rec	2/1/2018	Organic	Nitrobenzene-d5	n/a	=	64	%	EPA 8270C	-88	-88	51	143	
2017/18-1	ME-VR2	srgt environ	1/15/2018	Organic	Nitrobenzene-d5	n/a	=	99.7	µg/L	EPA 625	-88	-88			
2017/18-1	ME-VR2	srgt environ, rec	1/15/2018	Organic	Nitrobenzene-d5	n/a	=	40	%	EPA 625	-88	-88	27	111	
2017/18-1	ME-VR2	srgt environ	2/1/2018	Organic	Nitrobenzene-d5	n/a	=	10.3	µg/L	EPA 8270C	-88	-88			GN

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	ME-VR2	srgt environ, rec	2/1/2018	Organic	Nitrobenzene-d5	n/a	=	39	%	EPA 8270C	-88	-88	51	143	GN
2017/18-1	MO-CAM	srgt environ	1/26/2018	Organic	Nitrobenzene-d5	n/a	=	16.3	µg/L	EPA 625	-88	-88			
2017/18-1	MO-CAM	srgt environ, rec	1/26/2018	Organic	Nitrobenzene-d5	n/a	=	65	%	EPA 625	-88	-88	27	111	
2017/18-1	MO-CAM	srgt environ	2/2/2018	Organic	Nitrobenzene-d5	n/a	=	13.2	µg/L	EPA 8270C	-88	-88			
2017/18-1	MO-CAM	srgt environ, rec	2/2/2018	Organic	Nitrobenzene-d5	n/a	=	53	%	EPA 8270C	-88	-88	51	143	
2017/18-1	MO-FIL	srgt environ	1/26/2018	Organic	Nitrobenzene-d5	n/a	=	16.9	µg/L	EPA 625	-88	-88			
2017/18-1	MO-FIL	srgt environ, rec	1/26/2018	Organic	Nitrobenzene-d5	n/a	=	68	%	EPA 625	-88	-88	27	111	
2017/18-1	MO-FIL	srgt environ	2/2/2018	Organic	Nitrobenzene-d5	n/a	=	12.6	µg/L	EPA 8270C	-88	-88			
2017/18-1	MO-FIL	srgt environ, rec	2/2/2018	Organic	Nitrobenzene-d5	n/a	=	51	%	EPA 8270C	-88	-88	51	143	
2017/18-1	MO-HUE	srgt environ	1/15/2018	Organic	Nitrobenzene-d5	n/a	=	16.7	µg/L	EPA 625	-88	-88			
2017/18-1	MO-HUE	srgt environ, rec	1/15/2018	Organic	Nitrobenzene-d5	n/a	=	67	%	EPA 625	-88	-88	27	111	
2017/18-1	MO-HUE	srgt environ	2/1/2018	Organic	Nitrobenzene-d5	n/a	=	11.6	µg/L	EPA 8270C	-88	-88			GN
2017/18-1	MO-HUE	srgt environ, rec	2/1/2018	Organic	Nitrobenzene-d5	n/a	=	46	%	EPA 8270C	-88	-88	51	143	GN
2017/18-1	MO-MEI	srgt environ	1/26/2018	Organic	Nitrobenzene-d5	n/a	=	17.9	µg/L	EPA 625	-88	-88			
2017/18-1	MO-MEI	srgt environ, rec	1/26/2018	Organic	Nitrobenzene-d5	n/a	=	72	%	EPA 625	-88	-88	27	111	
2017/18-1	MO-MEI	srgt environ	2/2/2018	Organic	Nitrobenzene-d5	n/a	=	9.9	µg/L	EPA 8270C	-88	-88			GN
2017/18-1	MO-MEI	srgt environ, rec	2/2/2018	Organic	Nitrobenzene-d5	n/a	=	40	%	EPA 8270C	-88	-88	51	143	GN
2017/18-1	MO-MPK	srgt environ	1/25/2018	Organic	Nitrobenzene-d5	n/a	=	17.3	µg/L	EPA 625	-88	-88			
2017/18-1	MO-MPK	srgt environ, rec	1/25/2018	Organic	Nitrobenzene-d5	n/a	=	69	%	EPA 625	-88	-88	27	111	
2017/18-1	MO-MPK	srgt environ	2/1/2018	Organic	Nitrobenzene-d5	n/a	=	13.6	µg/L	EPA 8270C	-88	-88			
2017/18-1	MO-MPK	srgt environ, rec	2/1/2018	Organic	Nitrobenzene-d5	n/a	=	54	%	EPA 8270C	-88	-88	51	143	
2017/18-1	MO-OJA	srgt environ	1/25/2018	Organic	Nitrobenzene-d5	n/a	=	146	µg/L	EPA 625	-88	-88			
2017/18-1	MO-OJA	srgt environ, rec	1/25/2018	Organic	Nitrobenzene-d5	n/a	=	58	%	EPA 625	-88	-88	27	111	
2017/18-1	MO-OJA	srgt environ	2/2/2018	Organic	Nitrobenzene-d5	n/a	=	103	µg/L	EPA 8270C	-88	-88			GN
2017/18-1	MO-OJA	srgt environ, rec	2/2/2018	Organic	Nitrobenzene-d5	n/a	=	41	%	EPA 8270C	-88	-88	51	143	GN
2017/18-1	MO-OXN	srgt environ	1/26/2018	Organic	Nitrobenzene-d5	n/a	=	18.6	µg/L	EPA 625	-88	-88			
2017/18-1	MO-OXN	srgt environ, rec	1/26/2018	Organic	Nitrobenzene-d5	n/a	=	75	%	EPA 625	-88	-88	27	111	
2017/18-1	MO-OXN	srgt environ	2/2/2018	Organic	Nitrobenzene-d5	n/a	=	11.4	µg/L	EPA 8270C	-88	-88			GN
2017/18-1	MO-OXN	srgt environ, rec	2/2/2018	Organic	Nitrobenzene-d5	n/a	=	46	%	EPA 8270C	-88	-88	51	143	GN
2017/18-1	MO-SIM	srgt environ	1/15/2018	Organic	Nitrobenzene-d5	n/a	=	17.4	µg/L	EPA 625	-88	-88			
2017/18-1	MO-SIM	srgt environ, rec	1/15/2018	Organic	Nitrobenzene-d5	n/a	=	70	%	EPA 625	-88	-88	27	111	
2017/18-1	MO-SIM	srgt environ	2/1/2018	Organic	Nitrobenzene-d5	n/a	=	15.7	µg/L	EPA 8270C	-88	-88			
2017/18-1	MO-SIM	srgt environ, rec	2/1/2018	Organic	Nitrobenzene-d5	n/a	=	63	%	EPA 8270C	-88	-88	51	143	
2017/18-1	MO-SPA	srgt environ	1/15/2018	Organic	Nitrobenzene-d5	n/a	=	14.4	µg/L	EPA 625	-88	-88			
2017/18-1	MO-SPA	srgt environ, rec	1/15/2018	Organic	Nitrobenzene-d5	n/a	=	57	%	EPA 625	-88	-88	27	111	
2017/18-1	MO-SPA	srgt environ	2/1/2018	Organic	Nitrobenzene-d5	n/a	=	12.9	µg/L	EPA 8270C	-88	-88			
2017/18-1	MO-SPA	srgt environ, rec	2/1/2018	Organic	Nitrobenzene-d5	n/a	=	52	%	EPA 8270C	-88	-88	51	143	
2017/18-1	MO-THO	srgt environ	1/25/2018	Organic	Nitrobenzene-d5	n/a	=	19	µg/L	EPA 625	-88	-88			
2017/18-1	MO-THO	srgt environ, rec	1/25/2018	Organic	Nitrobenzene-d5	n/a	=	76	%	EPA 625	-88	-88	27	111	
2017/18-1	MO-THO	srgt environ	2/2/2018	Organic	Nitrobenzene-d5	n/a	=	9.16	µg/L	EPA 8270C	-88	-88			GN
2017/18-1	MO-THO	srgt environ, rec	2/2/2018	Organic	Nitrobenzene-d5	n/a	=	37	%	EPA 8270C	-88	-88	51	143	GN
2017/18-1	MO-VEN	srgt environ	1/15/2018	Organic	Nitrobenzene-d5	n/a	=	14.2	µg/L	EPA 625	-88	-88			
2017/18-1	MO-VEN	srgt environ, rec	1/15/2018	Organic	Nitrobenzene-d5	n/a	=	57	%	EPA 625	-88	-88	27	111	
2017/18-1	MO-VEN	srgt environ	2/1/2018	Organic	Nitrobenzene-d5	n/a	=	12.5	µg/L	EPA 8270C	-88	-88			GN
2017/18-1	MO-VEN	srgt environ, rec	2/1/2018	Organic	Nitrobenzene-d5	n/a	=	50	%	EPA 8270C	-88	-88	51	143	GN
2017/18-1	000NONPJ	matrix spike	1/25/2018	Organic	N-Nitrosodimethylamine	n/a	=	10.7	µg/L	EPA 625	0.14	1			
2017/18-1	000NONPJ	matrix spike, rec	1/25/2018	Organic	N-Nitrosodimethylamine	n/a	=	43	%	EPA 625	-88	-88	10	86	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	000NONPJ	matrix spike dup	1/25/2018	Organic	N-Nitrosodimethylamine	n/a	=	9.75	µg/L	EPA 625	0.14	1			
2017/18-1	000NONPJ	matrix spike dup, rec	1/25/2018	Organic	N-Nitrosodimethylamine	n/a	=	39	%	EPA 625	-88	-88	10	86	
2017/18-1	000NONPJ	matrix spike, RPD	1/25/2018	Organic	N-Nitrosodimethylamine	n/a	=	9	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/15/2018	Organic	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1			
2017/18-1	Lab	LCS	1/15/2018	Organic	N-Nitrosodimethylamine	n/a	=	9.47	µg/L	EPA 625	0.14	1			
2017/18-1	Lab	LCS, rec	1/15/2018	Organic	N-Nitrosodimethylamine	n/a	=	38	%	EPA 625	-88	-88	20	83	
2017/18-1	Lab	LCS dup	1/15/2018	Organic	N-Nitrosodimethylamine	n/a	=	10.7	µg/L	EPA 625	0.14	1			
2017/18-1	Lab	LCS dup, rec	1/15/2018	Organic	N-Nitrosodimethylamine	n/a	=	43	%	EPA 625	-88	-88	20	83	
2017/18-1	Lab	LCS, RPD	1/15/2018	Organic	N-Nitrosodimethylamine	n/a	=	12	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/25/2018	Organic	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1			
2017/18-1	Lab	LCS	1/25/2018	Organic	N-Nitrosodimethylamine	n/a	=	11.2	µg/L	EPA 625	0.14	1			
2017/18-1	Lab	LCS, rec	1/25/2018	Organic	N-Nitrosodimethylamine	n/a	=	45	%	EPA 625	-88	-88	20	83	
2017/18-1	000NONPJ	matrix spike	1/25/2018	Organic	N-Nitrosodi-N-propylamine	n/a	=	16.9	µg/L	EPA 625	0.26	1			
2017/18-1	000NONPJ	matrix spike, rec	1/25/2018	Organic	N-Nitrosodi-N-propylamine	n/a	=	68	%	EPA 625	-88	-88	0.1	230	
2017/18-1	000NONPJ	matrix spike dup	1/25/2018	Organic	N-Nitrosodi-N-propylamine	n/a	=	17.2	µg/L	EPA 625	0.26	1			
2017/18-1	000NONPJ	matrix spike dup, rec	1/25/2018	Organic	N-Nitrosodi-N-propylamine	n/a	=	69	%	EPA 625	-88	-88	0.1	230	
2017/18-1	000NONPJ	matrix spike, RPD	1/25/2018	Organic	N-Nitrosodi-N-propylamine	n/a	=	2	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/15/2018	Organic	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2017/18-1	Lab	LCS	1/15/2018	Organic	N-Nitrosodi-N-propylamine	n/a	=	15.6	µg/L	EPA 625	0.26	1			
2017/18-1	Lab	LCS, rec	1/15/2018	Organic	N-Nitrosodi-N-propylamine	n/a	=	62	%	EPA 625	-88	-88	0.1	230	
2017/18-1	Lab	LCS dup	1/15/2018	Organic	N-Nitrosodi-N-propylamine	n/a	=	16.1	µg/L	EPA 625	0.26	1			
2017/18-1	Lab	LCS dup, rec	1/15/2018	Organic	N-Nitrosodi-N-propylamine	n/a	=	64	%	EPA 625	-88	-88	0.1	230	
2017/18-1	Lab	LCS, RPD	1/15/2018	Organic	N-Nitrosodi-N-propylamine	n/a	=	3	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/25/2018	Organic	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2017/18-1	Lab	LCS	1/25/2018	Organic	N-Nitrosodi-N-propylamine	n/a	=	20.2	µg/L	EPA 625	0.26	1			
2017/18-1	Lab	LCS, rec	1/25/2018	Organic	N-Nitrosodi-N-propylamine	n/a	=	81	%	EPA 625	-88	-88	0.1	230	
2017/18-1	000NONPJ	matrix spike	1/25/2018	Organic	N-Nitrosodiphenylamine	n/a	=	11.1	µg/L	EPA 625	0.19	1			GB
2017/18-1	000NONPJ	matrix spike, rec	1/25/2018	Organic	N-Nitrosodiphenylamine	n/a	=	44	%	EPA 625	-88	-88	49	82	GB
2017/18-1	000NONPJ	matrix spike dup	1/25/2018	Organic	N-Nitrosodiphenylamine	n/a	=	14	µg/L	EPA 625	0.19	1			
2017/18-1	000NONPJ	matrix spike dup, rec	1/25/2018	Organic	N-Nitrosodiphenylamine	n/a	=	56	%	EPA 625	-88	-88	49	82	
2017/18-1	000NONPJ	matrix spike, RPD	1/25/2018	Organic	N-Nitrosodiphenylamine	n/a	=	23	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/15/2018	Organic	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2017/18-1	Lab	LCS	1/15/2018	Organic	N-Nitrosodiphenylamine	n/a	=	14.4	µg/L	EPA 625	0.19	1			
2017/18-1	Lab	LCS, rec	1/15/2018	Organic	N-Nitrosodiphenylamine	n/a	=	58	%	EPA 625	-88	-88	42	90	
2017/18-1	Lab	LCS dup	1/15/2018	Organic	N-Nitrosodiphenylamine	n/a	=	14.8	µg/L	EPA 625	0.19	1			
2017/18-1	Lab	LCS dup, rec	1/15/2018	Organic	N-Nitrosodiphenylamine	n/a	=	59	%	EPA 625	-88	-88	42	90	
2017/18-1	Lab	LCS, RPD	1/15/2018	Organic	N-Nitrosodiphenylamine	n/a	=	3	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/25/2018	Organic	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2017/18-1	Lab	LCS	1/25/2018	Organic	N-Nitrosodiphenylamine	n/a	=	17.1	µg/L	EPA 625	0.19	1			
2017/18-1	Lab	LCS, rec	1/25/2018	Organic	N-Nitrosodiphenylamine	n/a	=	68	%	EPA 625	-88	-88	42	90	
2017/18-1	Lab	srgt method blank	1/23/2018	Organic	Perylene-d12	n/a	=	4.43	µg/L	EPA 525.2	-88	-88			
2017/18-1	Lab	srgt method blank, rec	1/23/2018	Organic	Perylene-d12	n/a	=	89	%	EPA 525.2	-88	-88	50	120	
2017/18-1	Lab	srgt LCS	1/23/2018	Organic	Perylene-d12	n/a	=	5.01	µg/L	EPA 525.2	-88	-88			
2017/18-1	Lab	srgt LCS, rec	1/23/2018	Organic	Perylene-d12	n/a	=	100	%	EPA 525.2	-88	-88	50	120	
2017/18-1	Lab	srgt LCS dup	1/23/2018	Organic	Perylene-d12	n/a	=	4.87	µg/L	EPA 525.2	-88	-88			
2017/18-1	Lab	srgt LCS dup, rec	1/23/2018	Organic	Perylene-d12	n/a	=	97	%	EPA 525.2	-88	-88	50	120	
2017/18-1	Lab	srgt method blank	1/25/2018	Organic	Perylene-d12	n/a	=	4.46	µg/L	EPA 525.2	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	Lab	srgt method blank, rec	1/25/2018	Organic	Perylene-d12	n/a	=	89	%	EPA 525.2	-88	-88	50	120	
2017/18-1	Lab	srgt LCS	1/25/2018	Organic	Perylene-d12	n/a	=	5.34	µg/L	EPA 525.2	-88	-88			
2017/18-1	Lab	srgt LCS, rec	1/25/2018	Organic	Perylene-d12	n/a	=	107	%	EPA 525.2	-88	-88	50	120	
2017/18-1	Lab	srgt LCS dup	1/25/2018	Organic	Perylene-d12	n/a	=	5	µg/L	EPA 525.2	-88	-88			
2017/18-1	Lab	srgt LCS dup, rec	1/25/2018	Organic	Perylene-d12	n/a	=	100	%	EPA 525.2	-88	-88	50	120	
2017/18-1	ME-CC	srgt environ	1/23/2018	Organic	Perylene-d12	n/a	=	9.46	µg/L	EPA 525.2	-88	-88			GN
2017/18-1	ME-CC	srgt environ, rec	1/23/2018	Organic	Perylene-d12	n/a	=	19	%	EPA 525.2	-88	-88	50	120	GN
2017/18-1	ME-SCR	srgt environ	1/23/2018	Organic	Perylene-d12	n/a	=	2.72	µg/L	EPA 525.2	-88	-88			
2017/18-1	ME-SCR	srgt environ, rec	1/23/2018	Organic	Perylene-d12	n/a	=	54	%	EPA 525.2	-88	-88	50	120	
2017/18-1	ME-VR2	srgt environ	1/23/2018	Organic	Perylene-d12	n/a	=	26.9	µg/L	EPA 525.2	-88	-88			
2017/18-1	ME-VR2	srgt environ, rec	1/23/2018	Organic	Perylene-d12	n/a	=	54	%	EPA 525.2	-88	-88	50	120	
2017/18-1	MO-CAM	srgt environ	1/23/2018	Organic	Perylene-d12	n/a	=	1.45	µg/L	EPA 525.2	-88	-88			GN
2017/18-1	MO-CAM	srgt environ, rec	1/23/2018	Organic	Perylene-d12	n/a	=	29	%	EPA 525.2	-88	-88	50	120	GN
2017/18-1	MO-FIL	srgt environ	1/24/2018	Organic	Perylene-d12	n/a	=	1.32	µg/L	EPA 525.2	-88	-88			GN
2017/18-1	MO-FIL	srgt environ, rec	1/24/2018	Organic	Perylene-d12	n/a	=	26	%	EPA 525.2	-88	-88	50	120	GN
2017/18-1	MO-HUE	srgt environ	1/23/2018	Organic	Perylene-d12	n/a	=	1.94	µg/L	EPA 525.2	-88	-88			GN
2017/18-1	MO-HUE	srgt environ, rec	1/23/2018	Organic	Perylene-d12	n/a	=	39	%	EPA 525.2	-88	-88	50	120	GN
2017/18-1	MO-MEI	srgt environ	1/23/2018	Organic	Perylene-d12	n/a	=	33.1	µg/L	EPA 525.2	-88	-88			
2017/18-1	MO-MEI	srgt environ, rec	1/23/2018	Organic	Perylene-d12	n/a	=	66	%	EPA 525.2	-88	-88	50	120	
2017/18-1	MO-MPK	srgt environ	1/23/2018	Organic	Perylene-d12	n/a	=	18.9	µg/L	EPA 525.2	-88	-88			GN
2017/18-1	MO-MPK	srgt environ, rec	1/23/2018	Organic	Perylene-d12	n/a	=	38	%	EPA 525.2	-88	-88	50	120	GN
2017/18-1	MO-OJA	srgt environ	1/23/2018	Organic	Perylene-d12	n/a	=	7.47	µg/L	EPA 525.2	-88	-88			GN
2017/18-1	MO-OJA	srgt environ, rec	1/23/2018	Organic	Perylene-d12	n/a	=	15	%	EPA 525.2	-88	-88	50	120	GN
2017/18-1	MO-OXN	srgt environ	1/24/2018	Organic	Perylene-d12	n/a	=	1.29	µg/L	EPA 525.2	-88	-88			GN
2017/18-1	MO-OXN	srgt environ, rec	1/24/2018	Organic	Perylene-d12	n/a	=	26	%	EPA 525.2	-88	-88	50	120	GN
2017/18-1	MO-SIM	srgt environ	1/23/2018	Organic	Perylene-d12	n/a	=	1.91	µg/L	EPA 525.2	-88	-88			GN
2017/18-1	MO-SIM	srgt environ, rec	1/23/2018	Organic	Perylene-d12	n/a	=	38	%	EPA 525.2	-88	-88	50	120	GN
2017/18-1	MO-SPA	srgt environ	1/23/2018	Organic	Perylene-d12	n/a	=	1.36	µg/L	EPA 525.2	-88	-88			GN
2017/18-1	MO-SPA	srgt environ, rec	1/23/2018	Organic	Perylene-d12	n/a	=	27	%	EPA 525.2	-88	-88	50	120	GN
2017/18-1	MO-THO	srgt environ	1/23/2018	Organic	Perylene-d12	n/a	=	2.8	µg/L	EPA 525.2	-88	-88			GN
2017/18-1	MO-THO	srgt environ, rec	1/23/2018	Organic	Perylene-d12	n/a	=	6	%	EPA 525.2	-88	-88	50	120	GN
2017/18-1	MO-VEN	srgt environ	1/23/2018	Organic	Perylene-d12	n/a	=	1.76	µg/L	EPA 525.2	-88	-88			GN
2017/18-1	MO-VEN	srgt environ, rec	1/23/2018	Organic	Perylene-d12	n/a	=	35	%	EPA 525.2	-88	-88	50	120	GN
2017/18-1	000NONPJ	matrix spike	1/25/2018	Organic	Phenanthrene	n/a	=	21.8	µg/L	EPA 625	0.32	1			
2017/18-1	000NONPJ	matrix spike, rec	1/25/2018	Organic	Phenanthrene	n/a	=	87	%	EPA 625	-88	-88	54	120	
2017/18-1	000NONPJ	matrix spike dup	1/25/2018	Organic	Phenanthrene	n/a	=	20	µg/L	EPA 625	0.32	1			
2017/18-1	000NONPJ	matrix spike dup, rec	1/25/2018	Organic	Phenanthrene	n/a	=	80	%	EPA 625	-88	-88	54	120	
2017/18-1	000NONPJ	matrix spike, RPD	1/25/2018	Organic	Phenanthrene	n/a	=	8	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/15/2018	Organic	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1			
2017/18-1	Lab	LCS	1/15/2018	Organic	Phenanthrene	n/a	=	19.2	µg/L	EPA 625	0.32	1			
2017/18-1	Lab	LCS, rec	1/15/2018	Organic	Phenanthrene	n/a	=	77	%	EPA 625	-88	-88	54	120	
2017/18-1	Lab	LCS dup	1/15/2018	Organic	Phenanthrene	n/a	=	21.5	µg/L	EPA 625	0.32	1			
2017/18-1	Lab	LCS dup, rec	1/15/2018	Organic	Phenanthrene	n/a	=	86	%	EPA 625	-88	-88	54	120	
2017/18-1	Lab	LCS, RPD	1/15/2018	Organic	Phenanthrene	n/a	=	12	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/25/2018	Organic	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1			
2017/18-1	Lab	LCS	1/25/2018	Organic	Phenanthrene	n/a	=	23.5	µg/L	EPA 625	0.32	1			
2017/18-1	Lab	LCS, rec	1/25/2018	Organic	Phenanthrene	n/a	=	94	%	EPA 625	-88	-88	54	120	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	Lab	method blank	2/1/2018	Organic	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-1	Lab	LCS	2/1/2018	Organic	Phenanthrene	n/a	=	18	µg/L	EPA 8270C	0.1	0.1			
2017/18-1	Lab	LCS, rec	2/1/2018	Organic	Phenanthrene	n/a	=	72	%	EPA 8270C	-88	-88	21	131	
2017/18-1	Lab	LCS dup	2/1/2018	Organic	Phenanthrene	n/a	=	18.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-1	Lab	LCS dup, rec	2/1/2018	Organic	Phenanthrene	n/a	=	72	%	EPA 8270C	-88	-88	21	131	
2017/18-1	Lab	LCS, RPD	2/1/2018	Organic	Phenanthrene	n/a	=	0.3	%	EPA 8270C	-88	-88	0	30	
2017/18-1	000NONPJ	matrix spike	1/25/2018	Organic	Phenol	n/a	=	7.88	µg/L	EPA 625	0.16	1			
2017/18-1	000NONPJ	matrix spike, rec	1/25/2018	Organic	Phenol	n/a	=	32	%	EPA 625	-88	-88	5	112	
2017/18-1	000NONPJ	matrix spike dup	1/25/2018	Organic	Phenol	n/a	=	7.76	µg/L	EPA 625	0.16	1			
2017/18-1	000NONPJ	matrix spike dup, rec	1/25/2018	Organic	Phenol	n/a	=	31	%	EPA 625	-88	-88	5	112	
2017/18-1	000NONPJ	matrix spike, RPD	1/25/2018	Organic	Phenol	n/a	=	1	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/15/2018	Organic	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1			
2017/18-1	Lab	LCS	1/15/2018	Organic	Phenol	n/a	=	6.19	µg/L	EPA 625	0.16	1			
2017/18-1	Lab	LCS, rec	1/15/2018	Organic	Phenol	n/a	=	25	%	EPA 625	-88	-88	5	112	
2017/18-1	Lab	LCS dup	1/15/2018	Organic	Phenol	n/a	=	6.44	µg/L	EPA 625	0.16	1			
2017/18-1	Lab	LCS dup, rec	1/15/2018	Organic	Phenol	n/a	=	26	%	EPA 625	-88	-88	5	112	
2017/18-1	Lab	LCS, RPD	1/15/2018	Organic	Phenol	n/a	=	4	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/25/2018	Organic	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1			
2017/18-1	Lab	LCS	1/25/2018	Organic	Phenol	n/a	=	6.91	µg/L	EPA 625	0.16	1			
2017/18-1	Lab	LCS, rec	1/25/2018	Organic	Phenol	n/a	=	28	%	EPA 625	-88	-88	5	112	
2017/18-1	Lab	method blank	1/29/2018	Organic	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1			
2017/18-1	Lab	LCS	1/29/2018	Organic	Phenol	n/a	=	7.47	µg/L	EPA 8270C	0.35	1			
2017/18-1	Lab	LCS, rec	1/29/2018	Organic	Phenol	n/a	=	30	%	EPA 8270C	-88	-88	6	43	
2017/18-1	Lab	LCS dup	1/29/2018	Organic	Phenol	n/a	=	6.13	µg/L	EPA 8270C	0.35	1			
2017/18-1	Lab	LCS dup, rec	1/29/2018	Organic	Phenol	n/a	=	25	%	EPA 8270C	-88	-88	6	43	
2017/18-1	Lab	LCS, RPD	1/29/2018	Organic	Phenol	n/a	=	20	%	EPA 8270C	-88	-88	0	30	
2017/18-1	000NONPJ	srgt matrix spike	1/25/2018	Organic	Phenol-d5	n/a	=	18.4	µg/L	EPA 625	-88	-88			
2017/18-1	000NONPJ	srgt matrix spike, rec	1/25/2018	Organic	Phenol-d5	n/a	=	37	%	EPA 625	-88	-88	0.1	53	
2017/18-1	000NONPJ	srgt matrix spike dup	1/25/2018	Organic	Phenol-d5	n/a	=	18.4	µg/L	EPA 625	-88	-88			
2017/18-1	000NONPJ	srgt matrix spike dup, rec	1/25/2018	Organic	Phenol-d5	n/a	=	37	%	EPA 625	-88	-88	0.1	53	
2017/18-1	Lab	srgt method blank	1/15/2018	Organic	Phenol-d5	n/a	=	15.2	µg/L	EPA 625	-88	-88			
2017/18-1	Lab	srgt method blank, rec	1/15/2018	Organic	Phenol-d5	n/a	=	30	%	EPA 625	-88	-88	0.1	53	
2017/18-1	Lab	srgt LCS	1/15/2018	Organic	Phenol-d5	n/a	=	14.1	µg/L	EPA 625	-88	-88			
2017/18-1	Lab	srgt LCS, rec	1/15/2018	Organic	Phenol-d5	n/a	=	28	%	EPA 625	-88	-88	0.1	53	
2017/18-1	Lab	srgt LCS dup	1/15/2018	Organic	Phenol-d5	n/a	=	14.7	µg/L	EPA 625	-88	-88			
2017/18-1	Lab	srgt LCS dup, rec	1/15/2018	Organic	Phenol-d5	n/a	=	29	%	EPA 625	-88	-88	0.1	53	
2017/18-1	Lab	srgt method blank	1/25/2018	Organic	Phenol-d5	n/a	=	15.8	µg/L	EPA 625	-88	-88			
2017/18-1	Lab	srgt method blank, rec	1/25/2018	Organic	Phenol-d5	n/a	=	32	%	EPA 625	-88	-88	0.1	53	
2017/18-1	Lab	srgt LCS	1/25/2018	Organic	Phenol-d5	n/a	=	16.2	µg/L	EPA 625	-88	-88			
2017/18-1	Lab	srgt LCS, rec	1/25/2018	Organic	Phenol-d5	n/a	=	32	%	EPA 625	-88	-88	0.1	53	
2017/18-1	Lab	srgt method blank	1/29/2018	Organic	Phenol-d5	n/a	=	13.9	µg/L	EPA 8270C	-88	-88			
2017/18-1	Lab	srgt method blank, rec	1/29/2018	Organic	Phenol-d5	n/a	=	28	%	EPA 8270C	-88	-88	5	46	
2017/18-1	Lab	srgt LCS	1/29/2018	Organic	Phenol-d5	n/a	=	13.2	µg/L	EPA 8270C	-88	-88			
2017/18-1	Lab	srgt LCS, rec	1/29/2018	Organic	Phenol-d5	n/a	=	26	%	EPA 8270C	-88	-88	5	46	
2017/18-1	Lab	srgt LCS dup	1/29/2018	Organic	Phenol-d5	n/a	=	12.3	µg/L	EPA 8270C	-88	-88			
2017/18-1	Lab	srgt LCS dup, rec	1/29/2018	Organic	Phenol-d5	n/a	=	25	%	EPA 8270C	-88	-88	5	46	
2017/18-1	Lab	srgt method blank	2/1/2018	Organic	Phenol-d5	n/a	=	11.5	µg/L	EPA 8270C	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	Lab	srgt method blank, rec	2/1/2018	Organic	Phenol-d5	n/a	=	23	%	EPA 8270C	-88	-88	5	46	
2017/18-1	ME-CC	srgt environ	1/25/2018	Organic	Phenol-d5	n/a	=	15.5	µg/L	EPA 625	-88	-88			
2017/18-1	ME-CC	srgt environ, rec	1/25/2018	Organic	Phenol-d5	n/a	=	31	%	EPA 625	-88	-88	0.1	53	
2017/18-1	ME-CC	srgt environ	1/29/2018	Organic	Phenol-d5	n/a	=	8.26	µg/L	EPA 8270C	-88	-88			
2017/18-1	ME-CC	srgt environ, rec	1/29/2018	Organic	Phenol-d5	n/a	=	17	%	EPA 8270C	-88	-88	5	46	
2017/18-1	ME-SCR	srgt environ	1/15/2018	Organic	Phenol-d5	n/a	=	14.8	µg/L	EPA 625	-88	-88			
2017/18-1	ME-SCR	srgt environ, rec	1/15/2018	Organic	Phenol-d5	n/a	=	30	%	EPA 625	-88	-88	0.1	53	
2017/18-1	ME-SCR	srgt environ	1/29/2018	Organic	Phenol-d5	n/a	=	8.17	µg/L	EPA 8270C	-88	-88			
2017/18-1	ME-SCR	srgt environ, rec	1/29/2018	Organic	Phenol-d5	n/a	=	16	%	EPA 8270C	-88	-88	5	46	
2017/18-1	ME-VR2	srgt environ	1/15/2018	Organic	Phenol-d5	n/a	=	136	µg/L	EPA 625	-88	-88			
2017/18-1	ME-VR2	srgt environ, rec	1/15/2018	Organic	Phenol-d5	n/a	=	27	%	EPA 625	-88	-88	0.1	53	
2017/18-1	ME-VR2	srgt environ	1/29/2018	Organic	Phenol-d5	n/a	=	9.03	µg/L	EPA 8270C	-88	-88			
2017/18-1	ME-VR2	srgt environ, rec	1/29/2018	Organic	Phenol-d5	n/a	=	17	%	EPA 8270C	-88	-88	5	46	
2017/18-1	MO-CAM	srgt environ	1/26/2018	Organic	Phenol-d5	n/a	=	12.6	µg/L	EPA 625	-88	-88			
2017/18-1	MO-CAM	srgt environ, rec	1/26/2018	Organic	Phenol-d5	n/a	=	25	%	EPA 625	-88	-88	0.1	53	
2017/18-1	MO-CAM	srgt environ	1/29/2018	Organic	Phenol-d5	n/a	=	9.18	µg/L	EPA 8270C	-88	-88			
2017/18-1	MO-CAM	srgt environ, rec	1/29/2018	Organic	Phenol-d5	n/a	=	18	%	EPA 8270C	-88	-88	5	46	
2017/18-1	MO-FIL	srgt environ	1/26/2018	Organic	Phenol-d5	n/a	=	14.4	µg/L	EPA 625	-88	-88			
2017/18-1	MO-FIL	srgt environ, rec	1/26/2018	Organic	Phenol-d5	n/a	=	29	%	EPA 625	-88	-88	0.1	53	
2017/18-1	MO-FIL	srgt environ	1/29/2018	Organic	Phenol-d5	n/a	=	13.7	µg/L	EPA 8270C	-88	-88			
2017/18-1	MO-FIL	srgt environ, rec	1/29/2018	Organic	Phenol-d5	n/a	=	27	%	EPA 8270C	-88	-88	5	46	
2017/18-1	MO-HUE	srgt environ	1/15/2018	Organic	Phenol-d5	n/a	=	17.5	µg/L	EPA 625	-88	-88			
2017/18-1	MO-HUE	srgt environ, rec	1/15/2018	Organic	Phenol-d5	n/a	=	35	%	EPA 625	-88	-88	0.1	53	
2017/18-1	MO-HUE	srgt environ	1/29/2018	Organic	Phenol-d5	n/a	=	8.81	µg/L	EPA 8270C	-88	-88			
2017/18-1	MO-HUE	srgt environ, rec	1/29/2018	Organic	Phenol-d5	n/a	=	18	%	EPA 8270C	-88	-88	5	46	
2017/18-1	MO-MEI	srgt environ	1/26/2018	Organic	Phenol-d5	n/a	=	14.1	µg/L	EPA 625	-88	-88			
2017/18-1	MO-MEI	srgt environ, rec	1/26/2018	Organic	Phenol-d5	n/a	=	28	%	EPA 625	-88	-88	0.1	53	
2017/18-1	MO-MEI	srgt environ	1/29/2018	Organic	Phenol-d5	n/a	=	13.5	µg/L	EPA 8270C	-88	-88			
2017/18-1	MO-MEI	srgt environ, rec	1/29/2018	Organic	Phenol-d5	n/a	=	27	%	EPA 8270C	-88	-88	5	46	
2017/18-1	MO-MPK	srgt environ	1/25/2018	Organic	Phenol-d5	n/a	=	14.8	µg/L	EPA 625	-88	-88			
2017/18-1	MO-MPK	srgt environ, rec	1/25/2018	Organic	Phenol-d5	n/a	=	30	%	EPA 625	-88	-88	0.1	53	
2017/18-1	MO-MPK	srgt environ	1/29/2018	Organic	Phenol-d5	n/a	=	8.26	µg/L	EPA 8270C	-88	-88			
2017/18-1	MO-MPK	srgt environ, rec	1/29/2018	Organic	Phenol-d5	n/a	=	17	%	EPA 8270C	-88	-88	5	46	
2017/18-1	MO-OJA	srgt environ	1/25/2018	Organic	Phenol-d5	n/a	=	136	µg/L	EPA 625	-88	-88			
2017/18-1	MO-OJA	srgt environ, rec	1/25/2018	Organic	Phenol-d5	n/a	=	27	%	EPA 625	-88	-88	0.1	53	
2017/18-1	MO-OJA	srgt environ	1/29/2018	Organic	Phenol-d5	n/a	=	111	µg/L	EPA 8270C	-88	-88			
2017/18-1	MO-OJA	srgt environ, rec	1/29/2018	Organic	Phenol-d5	n/a	=	22	%	EPA 8270C	-88	-88	5	46	
2017/18-1	MO-OXN	srgt environ	1/26/2018	Organic	Phenol-d5	n/a	=	14.9	µg/L	EPA 625	-88	-88			
2017/18-1	MO-OXN	srgt environ, rec	1/26/2018	Organic	Phenol-d5	n/a	=	30	%	EPA 625	-88	-88	0.1	53	
2017/18-1	MO-OXN	srgt environ	1/29/2018	Organic	Phenol-d5	n/a	=	11.4	µg/L	EPA 8270C	-88	-88			
2017/18-1	MO-OXN	srgt environ, rec	1/29/2018	Organic	Phenol-d5	n/a	=	23	%	EPA 8270C	-88	-88	5	46	
2017/18-1	MO-SIM	srgt environ	1/15/2018	Organic	Phenol-d5	n/a	=	17.7	µg/L	EPA 625	-88	-88			
2017/18-1	MO-SIM	srgt environ, rec	1/15/2018	Organic	Phenol-d5	n/a	=	35	%	EPA 625	-88	-88	0.1	53	
2017/18-1	MO-SIM	srgt environ	1/29/2018	Organic	Phenol-d5	n/a	=	10.4	µg/L	EPA 8270C	-88	-88			
2017/18-1	MO-SIM	srgt environ, rec	1/29/2018	Organic	Phenol-d5	n/a	=	21	%	EPA 8270C	-88	-88	5	46	
2017/18-1	MO-SPA	srgt environ	1/15/2018	Organic	Phenol-d5	n/a	=	13.3	µg/L	EPA 625	-88	-88			
2017/18-1	MO-SPA	srgt environ, rec	1/15/2018	Organic	Phenol-d5	n/a	=	27	%	EPA 625	-88	-88	0.1	53	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	MO-SPA	srgt environ	1/29/2018	Organic	Phenol-d5	n/a	=	9.1	µg/L	EPA 8270C	-88	-88			
2017/18-1	MO-SPA	srgt environ, rec	1/29/2018	Organic	Phenol-d5	n/a	=	18	%	EPA 8270C	-88	-88	5	46	
2017/18-1	MO-THO	srgt environ	1/25/2018	Organic	Phenol-d5	n/a	=	16.6	µg/L	EPA 625	-88	-88			
2017/18-1	MO-THO	srgt environ, rec	1/25/2018	Organic	Phenol-d5	n/a	=	33	%	EPA 625	-88	-88	0.1	53	
2017/18-1	MO-THO	srgt environ	1/29/2018	Organic	Phenol-d5	n/a	=	10.9	µg/L	EPA 8270C	-88	-88			
2017/18-1	MO-THO	srgt environ, rec	1/29/2018	Organic	Phenol-d5	n/a	=	22	%	EPA 8270C	-88	-88	5	46	
2017/18-1	MO-VEN	srgt environ	1/15/2018	Organic	Phenol-d5	n/a	=	13.5	µg/L	EPA 625	-88	-88			
2017/18-1	MO-VEN	srgt environ, rec	1/15/2018	Organic	Phenol-d5	n/a	=	27	%	EPA 625	-88	-88	0.1	53	
2017/18-1	MO-VEN	srgt environ	1/29/2018	Organic	Phenol-d5	n/a	=	11.2	µg/L	EPA 8270C	-88	-88			
2017/18-1	MO-VEN	srgt environ, rec	1/29/2018	Organic	Phenol-d5	n/a	=	22	%	EPA 8270C	-88	-88	5	46	
2017/18-1	000NONPJ	srgt matrix spike	1/25/2018	Organic	p-Terphenyl-d14	n/a	=	23.2	µg/L	EPA 625	-88	-88			
2017/18-1	000NONPJ	srgt matrix spike, rec	1/25/2018	Organic	p-Terphenyl-d14	n/a	=	93	%	EPA 625	-88	-88	28	113	
2017/18-1	000NONPJ	srgt matrix spike dup	1/25/2018	Organic	p-Terphenyl-d14	n/a	=	21.6	µg/L	EPA 625	-88	-88			
2017/18-1	000NONPJ	srgt matrix spike dup, rec	1/25/2018	Organic	p-Terphenyl-d14	n/a	=	86	%	EPA 625	-88	-88	28	113	
2017/18-1	Lab	srgt method blank	1/15/2018	Organic	p-Terphenyl-d14	n/a	=	14.1	µg/L	EPA 625	-88	-88			
2017/18-1	Lab	srgt method blank, rec	1/15/2018	Organic	p-Terphenyl-d14	n/a	=	57	%	EPA 625	-88	-88	28	113	
2017/18-1	Lab	srgt LCS	1/15/2018	Organic	p-Terphenyl-d14	n/a	=	19	µg/L	EPA 625	-88	-88			
2017/18-1	Lab	srgt LCS, rec	1/15/2018	Organic	p-Terphenyl-d14	n/a	=	76	%	EPA 625	-88	-88	28	113	
2017/18-1	Lab	srgt LCS dup	1/15/2018	Organic	p-Terphenyl-d14	n/a	=	13.3	µg/L	EPA 625	-88	-88			
2017/18-1	Lab	srgt LCS dup, rec	1/15/2018	Organic	p-Terphenyl-d14	n/a	=	53	%	EPA 625	-88	-88	28	113	
2017/18-1	Lab	srgt method blank	1/25/2018	Organic	p-Terphenyl-d14	n/a	=	23.1	µg/L	EPA 625	-88	-88			
2017/18-1	Lab	srgt method blank, rec	1/25/2018	Organic	p-Terphenyl-d14	n/a	=	92	%	EPA 625	-88	-88	28	113	
2017/18-1	Lab	srgt LCS	1/25/2018	Organic	p-Terphenyl-d14	n/a	=	23.8	µg/L	EPA 625	-88	-88			
2017/18-1	Lab	srgt LCS, rec	1/25/2018	Organic	p-Terphenyl-d14	n/a	=	95	%	EPA 625	-88	-88	28	113	
2017/18-1	Lab	srgt method blank	2/1/2018	Organic	p-Terphenyl-d14	n/a	=	17.9	µg/L	EPA 8270C	-88	-88			
2017/18-1	Lab	srgt method blank, rec	2/1/2018	Organic	p-Terphenyl-d14	n/a	=	71	%	EPA 8270C	-88	-88	19	134	
2017/18-1	Lab	srgt LCS	2/1/2018	Organic	p-Terphenyl-d14	n/a	=	15.6	µg/L	EPA 8270C	-88	-88			
2017/18-1	Lab	srgt LCS, rec	2/1/2018	Organic	p-Terphenyl-d14	n/a	=	63	%	EPA 8270C	-88	-88	19	134	
2017/18-1	Lab	srgt LCS dup	2/1/2018	Organic	p-Terphenyl-d14	n/a	=	20.6	µg/L	EPA 8270C	-88	-88			
2017/18-1	Lab	srgt LCS dup, rec	2/1/2018	Organic	p-Terphenyl-d14	n/a	=	83	%	EPA 8270C	-88	-88	19	134	
2017/18-1	ME-CC	srgt environ	1/25/2018	Organic	p-Terphenyl-d14	n/a	=	15.5	µg/L	EPA 625	-88	-88			
2017/18-1	ME-CC	srgt environ, rec	1/25/2018	Organic	p-Terphenyl-d14	n/a	=	62	%	EPA 625	-88	-88	28	113	
2017/18-1	ME-CC	srgt environ	2/1/2018	Organic	p-Terphenyl-d14	n/a	=	12.7	µg/L	EPA 8270C	-88	-88			
2017/18-1	ME-CC	srgt environ, rec	2/1/2018	Organic	p-Terphenyl-d14	n/a	=	51	%	EPA 8270C	-88	-88	19	134	
2017/18-1	ME-SCR	srgt environ	1/15/2018	Organic	p-Terphenyl-d14	n/a	=	21.8	µg/L	EPA 625	-88	-88			
2017/18-1	ME-SCR	srgt environ, rec	1/15/2018	Organic	p-Terphenyl-d14	n/a	=	87	%	EPA 625	-88	-88	28	113	
2017/18-1	ME-SCR	srgt environ	2/1/2018	Organic	p-Terphenyl-d14	n/a	=	11.7	µg/L	EPA 8270C	-88	-88			
2017/18-1	ME-SCR	srgt environ, rec	2/1/2018	Organic	p-Terphenyl-d14	n/a	=	47	%	EPA 8270C	-88	-88	19	134	
2017/18-1	ME-VR2	srgt environ	1/15/2018	Organic	p-Terphenyl-d14	n/a	=	117	µg/L	EPA 625	-88	-88			
2017/18-1	ME-VR2	srgt environ, rec	1/15/2018	Organic	p-Terphenyl-d14	n/a	=	47	%	EPA 625	-88	-88	28	113	
2017/18-1	ME-VR2	srgt environ	2/1/2018	Organic	p-Terphenyl-d14	n/a	=	15.3	µg/L	EPA 8270C	-88	-88			
2017/18-1	ME-VR2	srgt environ, rec	2/1/2018	Organic	p-Terphenyl-d14	n/a	=	58	%	EPA 8270C	-88	-88	19	134	
2017/18-1	MO-CAM	srgt environ	1/26/2018	Organic	p-Terphenyl-d14	n/a	=	20.8	µg/L	EPA 625	-88	-88			
2017/18-1	MO-CAM	srgt environ, rec	1/26/2018	Organic	p-Terphenyl-d14	n/a	=	83	%	EPA 625	-88	-88	28	113	
2017/18-1	MO-CAM	srgt environ	2/2/2018	Organic	p-Terphenyl-d14	n/a	=	17.3	µg/L	EPA 8270C	-88	-88			
2017/18-1	MO-CAM	srgt environ, rec	2/2/2018	Organic	p-Terphenyl-d14	n/a	=	69	%	EPA 8270C	-88	-88	19	134	
2017/18-1	MO-FIL	srgt environ	1/26/2018	Organic	p-Terphenyl-d14	n/a	=	18.6	µg/L	EPA 625	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	MO-FIL	srgt environ, rec	1/26/2018	Organic	p-Terphenyl-d14	n/a	=	74	%	EPA 625	-88	-88	28	113	
2017/18-1	MO-FIL	srgt environ	2/2/2018	Organic	p-Terphenyl-d14	n/a	=	21.4	µg/L	EPA 8270C	-88	-88			
2017/18-1	MO-FIL	srgt environ, rec	2/2/2018	Organic	p-Terphenyl-d14	n/a	=	86	%	EPA 8270C	-88	-88	19	134	
2017/18-1	MO-HUE	srgt environ	1/15/2018	Organic	p-Terphenyl-d14	n/a	=	18.6	µg/L	EPA 625	-88	-88			
2017/18-1	MO-HUE	srgt environ, rec	1/15/2018	Organic	p-Terphenyl-d14	n/a	=	74	%	EPA 625	-88	-88	28	113	
2017/18-1	MO-HUE	srgt environ	2/1/2018	Organic	p-Terphenyl-d14	n/a	=	15.8	µg/L	EPA 8270C	-88	-88			
2017/18-1	MO-HUE	srgt environ, rec	2/1/2018	Organic	p-Terphenyl-d14	n/a	=	63	%	EPA 8270C	-88	-88	19	134	
2017/18-1	MO-MEI	srgt environ	1/26/2018	Organic	p-Terphenyl-d14	n/a	=	21	µg/L	EPA 625	-88	-88			
2017/18-1	MO-MEI	srgt environ, rec	1/26/2018	Organic	p-Terphenyl-d14	n/a	=	84	%	EPA 625	-88	-88	28	113	
2017/18-1	MO-MEI	srgt environ	2/2/2018	Organic	p-Terphenyl-d14	n/a	=	16.4	µg/L	EPA 8270C	-88	-88			
2017/18-1	MO-MEI	srgt environ, rec	2/2/2018	Organic	p-Terphenyl-d14	n/a	=	66	%	EPA 8270C	-88	-88	19	134	
2017/18-1	MO-MPK	srgt environ	1/25/2018	Organic	p-Terphenyl-d14	n/a	=	19.8	µg/L	EPA 625	-88	-88			
2017/18-1	MO-MPK	srgt environ, rec	1/25/2018	Organic	p-Terphenyl-d14	n/a	=	79	%	EPA 625	-88	-88	28	113	
2017/18-1	MO-MPK	srgt environ	2/1/2018	Organic	p-Terphenyl-d14	n/a	=	15	µg/L	EPA 8270C	-88	-88			
2017/18-1	MO-MPK	srgt environ, rec	2/1/2018	Organic	p-Terphenyl-d14	n/a	=	60	%	EPA 8270C	-88	-88	19	134	
2017/18-1	MO-OJA	srgt environ	1/25/2018	Organic	p-Terphenyl-d14	n/a	=	159	µg/L	EPA 625	-88	-88			
2017/18-1	MO-OJA	srgt environ, rec	1/25/2018	Organic	p-Terphenyl-d14	n/a	=	63	%	EPA 625	-88	-88	28	113	
2017/18-1	MO-OJA	srgt environ	2/2/2018	Organic	p-Terphenyl-d14	n/a	=	152	µg/L	EPA 8270C	-88	-88			
2017/18-1	MO-OJA	srgt environ, rec	2/2/2018	Organic	p-Terphenyl-d14	n/a	=	61	%	EPA 8270C	-88	-88	19	134	
2017/18-1	MO-OXN	srgt environ	1/26/2018	Organic	p-Terphenyl-d14	n/a	=	21.8	µg/L	EPA 625	-88	-88			
2017/18-1	MO-OXN	srgt environ, rec	1/26/2018	Organic	p-Terphenyl-d14	n/a	=	87	%	EPA 625	-88	-88	28	113	
2017/18-1	MO-OXN	srgt environ	2/2/2018	Organic	p-Terphenyl-d14	n/a	=	15.5	µg/L	EPA 8270C	-88	-88			
2017/18-1	MO-OXN	srgt environ, rec	2/2/2018	Organic	p-Terphenyl-d14	n/a	=	62	%	EPA 8270C	-88	-88	19	134	
2017/18-1	MO-SIM	srgt environ	1/15/2018	Organic	p-Terphenyl-d14	n/a	=	20.4	µg/L	EPA 625	-88	-88			
2017/18-1	MO-SIM	srgt environ, rec	1/15/2018	Organic	p-Terphenyl-d14	n/a	=	82	%	EPA 625	-88	-88	28	113	
2017/18-1	MO-SIM	srgt environ	2/1/2018	Organic	p-Terphenyl-d14	n/a	=	16.6	µg/L	EPA 8270C	-88	-88			
2017/18-1	MO-SIM	srgt environ, rec	2/1/2018	Organic	p-Terphenyl-d14	n/a	=	66	%	EPA 8270C	-88	-88	19	134	
2017/18-1	MO-SPA	srgt environ	1/15/2018	Organic	p-Terphenyl-d14	n/a	=	18	µg/L	EPA 625	-88	-88			
2017/18-1	MO-SPA	srgt environ, rec	1/15/2018	Organic	p-Terphenyl-d14	n/a	=	72	%	EPA 625	-88	-88	28	113	
2017/18-1	MO-SPA	srgt environ	2/1/2018	Organic	p-Terphenyl-d14	n/a	=	16.3	µg/L	EPA 8270C	-88	-88			
2017/18-1	MO-SPA	srgt environ, rec	2/1/2018	Organic	p-Terphenyl-d14	n/a	=	65	%	EPA 8270C	-88	-88	19	134	
2017/18-1	MO-THO	srgt environ	1/25/2018	Organic	p-Terphenyl-d14	n/a	=	28.4	µg/L	EPA 625	-88	-88			
2017/18-1	MO-THO	srgt environ, rec	1/25/2018	Organic	p-Terphenyl-d14	n/a	=	113	%	EPA 625	-88	-88	28	113	
2017/18-1	MO-THO	srgt environ	2/2/2018	Organic	p-Terphenyl-d14	n/a	=	13.4	µg/L	EPA 8270C	-88	-88			
2017/18-1	MO-THO	srgt environ, rec	2/2/2018	Organic	p-Terphenyl-d14	n/a	=	54	%	EPA 8270C	-88	-88	19	134	
2017/18-1	MO-VEN	srgt environ	1/15/2018	Organic	p-Terphenyl-d14	n/a	=	14.8	µg/L	EPA 625	-88	-88			
2017/18-1	MO-VEN	srgt environ, rec	1/15/2018	Organic	p-Terphenyl-d14	n/a	=	59	%	EPA 625	-88	-88	28	113	
2017/18-1	MO-VEN	srgt environ	2/1/2018	Organic	p-Terphenyl-d14	n/a	=	15.5	µg/L	EPA 8270C	-88	-88			
2017/18-1	MO-VEN	srgt environ, rec	2/1/2018	Organic	p-Terphenyl-d14	n/a	=	62	%	EPA 8270C	-88	-88	19	134	
2017/18-1	000NONPJ	matrix spike	1/25/2018	Organic	Pyrene	n/a	=	24.9	µg/L	EPA 625	0.25	1			
2017/18-1	000NONPJ	matrix spike, rec	1/25/2018	Organic	Pyrene	n/a	=	100	%	EPA 625	-88	-88	52	115	
2017/18-1	000NONPJ	matrix spike dup	1/25/2018	Organic	Pyrene	n/a	=	22.4	µg/L	EPA 625	0.25	1			
2017/18-1	000NONPJ	matrix spike dup, rec	1/25/2018	Organic	Pyrene	n/a	=	90	%	EPA 625	-88	-88	52	115	
2017/18-1	000NONPJ	matrix spike, RPD	1/25/2018	Organic	Pyrene	n/a	=	11	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/15/2018	Organic	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2017/18-1	Lab	LCS	1/15/2018	Organic	Pyrene	n/a	=	20.4	µg/L	EPA 625	0.25	1			
2017/18-1	Lab	LCS, rec	1/15/2018	Organic	Pyrene	n/a	=	82	%	EPA 625	-88	-88	52	115	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	Lab	LCS dup	1/15/2018	Organic	Pyrene	n/a	=	14	µg/L	EPA 625	0.25	1			
2017/18-1	Lab	LCS dup, rec	1/15/2018	Organic	Pyrene	n/a	=	56	%	EPA 625	-88	-88	52	115	
2017/18-1	Lab	LCS, RPD	1/15/2018	Organic	Pyrene	n/a	=	37	%	EPA 625	-88	-88	0	30	IL
2017/18-1	Lab	method blank	1/25/2018	Organic	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2017/18-1	Lab	LCS	1/25/2018	Organic	Pyrene	n/a	=	25.2	µg/L	EPA 625	0.25	1			
2017/18-1	Lab	LCS, rec	1/25/2018	Organic	Pyrene	n/a	=	101	%	EPA 625	-88	-88	52	115	
2017/18-1	Lab	method blank	2/1/2018	Organic	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-1	Lab	LCS	2/1/2018	Organic	Pyrene	n/a	=	20.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-1	Lab	LCS, rec	2/1/2018	Organic	Pyrene	n/a	=	80	%	EPA 8270C	-88	-88	26	128	
2017/18-1	Lab	LCS dup	2/1/2018	Organic	Pyrene	n/a	=	27.2	µg/L	EPA 8270C	0.1	0.1			
2017/18-1	Lab	LCS dup, rec	2/1/2018	Organic	Pyrene	n/a	=	109	%	EPA 8270C	-88	-88	26	128	
2017/18-1	Lab	LCS, RPD	2/1/2018	Organic	Pyrene	n/a	=	30	%	EPA 8270C	-88	-88	0	30	
2017/18-1	000NONPJ	srgt matrix spike	1/24/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0642	µg/L	EPA 608	-88	-88			
2017/18-1	000NONPJ	srgt matrix spike, rec	1/24/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	64	%	EPA 608	-88	-88	35	111	
2017/18-1	000NONPJ	srgt matrix spike dup	1/24/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0719	µg/L	EPA 608	-88	-88			
2017/18-1	000NONPJ	srgt matrix spike dup, rec	1/24/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	72	%	EPA 608	-88	-88	35	111	
2017/18-1	Lab	srgt method blank	1/22/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0899	µg/L	EPA 608	-88	-88			
2017/18-1	Lab	srgt method blank, rec	1/22/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	90	%	EPA 608	-88	-88	35	111	
2017/18-1	Lab	srgt LCS	1/22/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0873	µg/L	EPA 608	-88	-88			
2017/18-1	Lab	srgt LCS, rec	1/22/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	87	%	EPA 608	-88	-88	35	111	
2017/18-1	Lab	srgt LCS dup	1/22/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0871	µg/L	EPA 608	-88	-88			
2017/18-1	Lab	srgt LCS dup, rec	1/22/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	87	%	EPA 608	-88	-88	35	111	
2017/18-1	Lab	srgt method blank	1/24/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.065	µg/L	EPA 608	-88	-88			
2017/18-1	Lab	srgt method blank, rec	1/24/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	65	%	EPA 608	-88	-88	35	111	
2017/18-1	Lab	srgt LCS	1/24/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0758	µg/L	EPA 608	-88	-88			
2017/18-1	Lab	srgt LCS, rec	1/24/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	76	%	EPA 608	-88	-88	35	111	
2017/18-1	Lab	srgt method blank	1/29/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0738	µg/L	EPA 608	-88	-88			
2017/18-1	Lab	srgt method blank, rec	1/29/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	74	%	EPA 608	-88	-88	35	111	
2017/18-1	Lab	srgt LCS	1/29/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0859	µg/L	EPA 608	-88	-88			
2017/18-1	Lab	srgt LCS, rec	1/29/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	86	%	EPA 608	-88	-88	35	111	
2017/18-1	ME-CC	srgt environ	1/24/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0396	µg/L	EPA 608	-88	-88			
2017/18-1	ME-CC	srgt environ, rec	1/24/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	40	%	EPA 608	-88	-88	35	111	
2017/18-1	ME-SCR	srgt environ	1/22/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0732	µg/L	EPA 608	-88	-88			
2017/18-1	ME-SCR	srgt environ, rec	1/22/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	73	%	EPA 608	-88	-88	35	111	
2017/18-1	ME-VR2	srgt environ	1/22/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.28	µg/L	EPA 608	-88	-88			GN
2017/18-1	ME-VR2	srgt environ, rec	1/22/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	28	%	EPA 608	-88	-88	35	111	GN
2017/18-1	MO-CAM	srgt environ	1/24/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0693	µg/L	EPA 608	-88	-88			
2017/18-1	MO-CAM	srgt environ, rec	1/24/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	69	%	EPA 608	-88	-88	35	111	
2017/18-1	MO-FIL	srgt environ	1/24/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0589	µg/L	EPA 608	-88	-88			
2017/18-1	MO-FIL	srgt environ, rec	1/24/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	59	%	EPA 608	-88	-88	35	111	
2017/18-1	MO-HUE	srgt environ	1/23/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0505	µg/L	EPA 608	-88	-88			
2017/18-1	MO-HUE	srgt environ, rec	1/23/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	50	%	EPA 608	-88	-88	35	111	
2017/18-1	MO-MEI	srgt environ	1/24/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0562	µg/L	EPA 608	-88	-88			
2017/18-1	MO-MEI	srgt environ, rec	1/24/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	56	%	EPA 608	-88	-88	35	111	
2017/18-1	MO-MPK	srgt environ	1/24/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0501	µg/L	EPA 608	-88	-88			
2017/18-1	MO-MPK	srgt environ, rec	1/24/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	50	%	EPA 608	-88	-88	35	111	
2017/18-1	MO-OJA	srgt environ	1/24/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0521	µg/L	EPA 608	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	MO-OJA	srgt environ, rec	1/24/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	52	%	EPA 608	-88	-88	35	111	
2017/18-1	MO-OXN	srgt environ	1/24/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0615	µg/L	EPA 608	-88	-88			
2017/18-1	MO-OXN	srgt environ, rec	1/24/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	61	%	EPA 608	-88	-88	35	111	
2017/18-1	MO-SIM	srgt environ	1/23/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0521	µg/L	EPA 608	-88	-88			
2017/18-1	MO-SIM	srgt environ, rec	1/23/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	52	%	EPA 608	-88	-88	35	111	
2017/18-1	MO-SPA	srgt environ	1/23/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0447	µg/L	EPA 608	-88	-88			
2017/18-1	MO-SPA	srgt environ, rec	1/23/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	45	%	EPA 608	-88	-88	35	111	
2017/18-1	MO-THO	srgt environ	1/24/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0467	µg/L	EPA 608	-88	-88			
2017/18-1	MO-THO	srgt environ, rec	1/24/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	47	%	EPA 608	-88	-88	35	111	
2017/18-1	MO-VEN	srgt environ	1/23/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0596	µg/L	EPA 608	-88	-88			
2017/18-1	MO-VEN	srgt environ, rec	1/23/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	60	%	EPA 608	-88	-88	35	111	
2017/18-1	000NONPJ	srgt matrix spike	1/12/2018	Organic	Toluene-d8	n/a	=	51.5	µg/L	EPA 624	-88	-88			
2017/18-1	000NONPJ	srgt matrix spike, rec	1/12/2018	Organic	Toluene-d8	n/a	=	103	%	EPA 624	-88	-88	92	112	
2017/18-1	000NONPJ	srgt matrix spike dup	1/12/2018	Organic	Toluene-d8	n/a	=	50.5	µg/L	EPA 624	-88	-88			
2017/18-1	000NONPJ	srgt matrix spike dup, rec	1/12/2018	Organic	Toluene-d8	n/a	=	101	%	EPA 624	-88	-88	92	112	
2017/18-1	Lab	srgt LCS	1/11/2018	Organic	Toluene-d8	n/a	=	50.3	µg/L	EPA 624	-88	-88			
2017/18-1	Lab	srgt LCS, rec	1/11/2018	Organic	Toluene-d8	n/a	=	101	%	EPA 624	-88	-88	92	112	
2017/18-1	Lab	srgt LCS dup	1/11/2018	Organic	Toluene-d8	n/a	=	50.6	µg/L	EPA 624	-88	-88			
2017/18-1	Lab	srgt LCS dup, rec	1/11/2018	Organic	Toluene-d8	n/a	=	101	%	EPA 624	-88	-88	92	112	
2017/18-1	Lab	srgt method blank	1/11/2018	Organic	Toluene-d8	n/a	=	50.1	µg/L	EPA 624	-88	-88			
2017/18-1	Lab	srgt method blank, rec	1/11/2018	Organic	Toluene-d8	n/a	=	100	%	EPA 624	-88	-88	92	112	
2017/18-1	ME-CC	srgt environ	1/12/2018	Organic	Toluene-d8	n/a	=	50.5	µg/L	EPA 624	-88	-88			
2017/18-1	ME-CC	srgt environ, rec	1/12/2018	Organic	Toluene-d8	n/a	=	101	%	EPA 624	-88	-88	92	112	
2017/18-1	ME-SCR	srgt environ	1/12/2018	Organic	Toluene-d8	n/a	=	50.8	µg/L	EPA 624	-88	-88			
2017/18-1	ME-SCR	srgt environ, rec	1/12/2018	Organic	Toluene-d8	n/a	=	102	%	EPA 624	-88	-88	92	112	
2017/18-1	ME-VR2	srgt environ	1/12/2018	Organic	Toluene-d8	n/a	=	50.5	µg/L	EPA 624	-88	-88			
2017/18-1	ME-VR2	srgt environ, rec	1/12/2018	Organic	Toluene-d8	n/a	=	101	%	EPA 624	-88	-88	92	112	
2017/18-1	MO-CAM	srgt environ	1/12/2018	Organic	Toluene-d8	n/a	=	49.4	µg/L	EPA 624	-88	-88			
2017/18-1	MO-CAM	srgt environ, rec	1/12/2018	Organic	Toluene-d8	n/a	=	99	%	EPA 624	-88	-88	92	112	
2017/18-1	MO-FIL	srgt environ	1/12/2018	Organic	Toluene-d8	n/a	=	49.7	µg/L	EPA 624	-88	-88			
2017/18-1	MO-FIL	srgt environ, rec	1/12/2018	Organic	Toluene-d8	n/a	=	99	%	EPA 624	-88	-88	92	112	
2017/18-1	MO-HUE	srgt environ	1/12/2018	Organic	Toluene-d8	n/a	=	50.3	µg/L	EPA 624	-88	-88			
2017/18-1	MO-HUE	srgt environ, rec	1/12/2018	Organic	Toluene-d8	n/a	=	101	%	EPA 624	-88	-88	92	112	
2017/18-1	MO-MEI	srgt environ	1/12/2018	Organic	Toluene-d8	n/a	=	50.6	µg/L	EPA 624	-88	-88			
2017/18-1	MO-MEI	srgt environ, rec	1/12/2018	Organic	Toluene-d8	n/a	=	101	%	EPA 624	-88	-88	92	112	
2017/18-1	MO-MPK	srgt environ	1/12/2018	Organic	Toluene-d8	n/a	=	49.5	µg/L	EPA 624	-88	-88			
2017/18-1	MO-MPK	srgt environ, rec	1/12/2018	Organic	Toluene-d8	n/a	=	99	%	EPA 624	-88	-88	92	112	
2017/18-1	MO-OJA	srgt environ	1/12/2018	Organic	Toluene-d8	n/a	=	50.9	µg/L	EPA 624	-88	-88			
2017/18-1	MO-OJA	srgt environ, rec	1/12/2018	Organic	Toluene-d8	n/a	=	102	%	EPA 624	-88	-88	92	112	
2017/18-1	MO-OXN	srgt environ	1/12/2018	Organic	Toluene-d8	n/a	=	49.6	µg/L	EPA 624	-88	-88			
2017/18-1	MO-OXN	srgt environ, rec	1/12/2018	Organic	Toluene-d8	n/a	=	99	%	EPA 624	-88	-88	92	112	
2017/18-1	MO-SIM	srgt environ	1/12/2018	Organic	Toluene-d8	n/a	=	49	µg/L	EPA 624	-88	-88			
2017/18-1	MO-SIM	srgt environ, rec	1/12/2018	Organic	Toluene-d8	n/a	=	98	%	EPA 624	-88	-88	92	112	
2017/18-1	MO-SPA	srgt environ	1/12/2018	Organic	Toluene-d8	n/a	=	50.4	µg/L	EPA 624	-88	-88			
2017/18-1	MO-SPA	srgt environ, rec	1/12/2018	Organic	Toluene-d8	n/a	=	101	%	EPA 624	-88	-88	92	112	
2017/18-1	MO-THO	srgt environ	1/12/2018	Organic	Toluene-d8	n/a	=	49.3	µg/L	EPA 624	-88	-88			
2017/18-1	MO-THO	srgt environ, rec	1/12/2018	Organic	Toluene-d8	n/a	=	99	%	EPA 624	-88	-88	92	112	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	MO-VEN	srgt environ	1/12/2018	Organic	Toluene-d8	n/a	=	50.8	µg/L	EPA 624	-88	-88			
2017/18-1	MO-VEN	srgt environ, rec	1/12/2018	Organic	Toluene-d8	n/a	=	102	%	EPA 624	-88	-88	92	112	
2017/18-1	000NONPJ	srgt matrix spike	2/2/2018	Organic	Triphenylphosphate	n/a	=	0.498	µg/L	EPA 525.2m	-88	-88			
2017/18-1	000NONPJ	srgt matrix spike, rec	2/2/2018	Organic	Triphenylphosphate	n/a	=	100	%	EPA 525.2m	-88	-88	40	163	
2017/18-1	000NONPJ	srgt matrix spike dup	2/2/2018	Organic	Triphenylphosphate	n/a	=	0.597	µg/L	EPA 525.2m	-88	-88			
2017/18-1	000NONPJ	srgt matrix spike dup, rec	2/2/2018	Organic	Triphenylphosphate	n/a	=	119	%	EPA 525.2m	-88	-88	40	163	
2017/18-1	000NONPJ	srgt matrix spike	2/6/2018	Organic	Triphenylphosphate	n/a	=	0.523	µg/L	EPA 525.2m	-88	-88			
2017/18-1	000NONPJ	srgt matrix spike, rec	2/6/2018	Organic	Triphenylphosphate	n/a	=	105	%	EPA 525.2m	-88	-88	40	163	
2017/18-1	000NONPJ	srgt matrix spike dup	2/6/2018	Organic	Triphenylphosphate	n/a	=	0.637	µg/L	EPA 525.2m	-88	-88			
2017/18-1	000NONPJ	srgt matrix spike dup, rec	2/6/2018	Organic	Triphenylphosphate	n/a	=	127	%	EPA 525.2m	-88	-88	40	163	
2017/18-1	Lab	srgt method blank	1/23/2018	Organic	Triphenylphosphate	n/a	=	5.26	µg/L	EPA 525.2	-88	-88			
2017/18-1	Lab	srgt method blank, rec	1/23/2018	Organic	Triphenylphosphate	n/a	=	105	%	EPA 525.2	-88	-88	70	130	
2017/18-1	Lab	srgt LCS	1/23/2018	Organic	Triphenylphosphate	n/a	=	5.59	µg/L	EPA 525.2	-88	-88			
2017/18-1	Lab	srgt LCS, rec	1/23/2018	Organic	Triphenylphosphate	n/a	=	112	%	EPA 525.2	-88	-88	70	130	
2017/18-1	Lab	srgt LCS dup	1/23/2018	Organic	Triphenylphosphate	n/a	=	6.1	µg/L	EPA 525.2	-88	-88			
2017/18-1	Lab	srgt LCS dup, rec	1/23/2018	Organic	Triphenylphosphate	n/a	=	122	%	EPA 525.2	-88	-88	70	130	
2017/18-1	Lab	srgt method blank	1/25/2018	Organic	Triphenylphosphate	n/a	=	4.95	µg/L	EPA 525.2	-88	-88			
2017/18-1	Lab	srgt method blank, rec	1/25/2018	Organic	Triphenylphosphate	n/a	=	99	%	EPA 525.2	-88	-88	70	130	
2017/18-1	Lab	srgt LCS	1/25/2018	Organic	Triphenylphosphate	n/a	=	5.38	µg/L	EPA 525.2	-88	-88			
2017/18-1	Lab	srgt LCS, rec	1/25/2018	Organic	Triphenylphosphate	n/a	=	108	%	EPA 525.2	-88	-88	70	130	
2017/18-1	Lab	srgt LCS dup	1/25/2018	Organic	Triphenylphosphate	n/a	=	5.81	µg/L	EPA 525.2	-88	-88			
2017/18-1	Lab	srgt LCS dup, rec	1/25/2018	Organic	Triphenylphosphate	n/a	=	116	%	EPA 525.2	-88	-88	70	130	
2017/18-1	Lab	srgt method blank	1/30/2018	Organic	Triphenylphosphate	n/a	=	0.529	µg/L	EPA 525.2m	-88	-88			
2017/18-1	Lab	srgt method blank, rec	1/30/2018	Organic	Triphenylphosphate	n/a	=	106	%	EPA 525.2m	-88	-88	40	163	
2017/18-1	Lab	srgt LCS	1/30/2018	Organic	Triphenylphosphate	n/a	=	0.523	µg/L	EPA 525.2m	-88	-88			
2017/18-1	Lab	srgt LCS, rec	1/30/2018	Organic	Triphenylphosphate	n/a	=	105	%	EPA 525.2m	-88	-88	40	163	
2017/18-1	Lab	srgt method blank	2/2/2018	Organic	Triphenylphosphate	n/a	=	0.547	µg/L	EPA 525.2m	-88	-88			
2017/18-1	Lab	srgt method blank, rec	2/2/2018	Organic	Triphenylphosphate	n/a	=	109	%	EPA 525.2m	-88	-88	40	163	
2017/18-1	Lab	srgt LCS	2/2/2018	Organic	Triphenylphosphate	n/a	=	0.541	µg/L	EPA 525.2m	-88	-88			
2017/18-1	Lab	srgt LCS, rec	2/2/2018	Organic	Triphenylphosphate	n/a	=	108	%	EPA 525.2m	-88	-88	40	163	
2017/18-1	Lab	srgt method blank	2/6/2018	Organic	Triphenylphosphate	n/a	=	0.614	µg/L	EPA 525.2m	-88	-88			
2017/18-1	Lab	srgt method blank, rec	2/6/2018	Organic	Triphenylphosphate	n/a	=	123	%	EPA 525.2m	-88	-88	40	163	
2017/18-1	Lab	srgt LCS	2/6/2018	Organic	Triphenylphosphate	n/a	=	0.587	µg/L	EPA 525.2m	-88	-88			
2017/18-1	Lab	srgt LCS, rec	2/6/2018	Organic	Triphenylphosphate	n/a	=	117	%	EPA 525.2m	-88	-88	40	163	
2017/18-1	ME-CC	srgt environ	1/23/2018	Organic	Triphenylphosphate	n/a	=	56.3	µg/L	EPA 525.2	-88	-88			
2017/18-1	ME-CC	srgt environ, rec	1/23/2018	Organic	Triphenylphosphate	n/a	=	113	%	EPA 525.2	-88	-88	70	130	
2017/18-1	ME-CC	srgt environ	1/30/2018	Organic	Triphenylphosphate	n/a	=	0.644	µg/L	EPA 525.2m	-88	-88			
2017/18-1	ME-CC	srgt environ, rec	1/30/2018	Organic	Triphenylphosphate	n/a	=	129	%	EPA 525.2m	-88	-88	40	163	
2017/18-1	ME-SCR	srgt environ	1/23/2018	Organic	Triphenylphosphate	n/a	=	6.1	µg/L	EPA 525.2	-88	-88			
2017/18-1	ME-SCR	srgt environ, rec	1/23/2018	Organic	Triphenylphosphate	n/a	=	122	%	EPA 525.2	-88	-88	70	130	
2017/18-1	ME-SCR	srgt environ	2/2/2018	Organic	Triphenylphosphate	n/a	=	0.579	µg/L	EPA 525.2m	-88	-88			
2017/18-1	ME-SCR	srgt environ, rec	2/2/2018	Organic	Triphenylphosphate	n/a	=	116	%	EPA 525.2m	-88	-88	40	163	
2017/18-1	ME-VR2	srgt environ	1/23/2018	Organic	Triphenylphosphate	n/a	=	55.8	µg/L	EPA 525.2	-88	-88			
2017/18-1	ME-VR2	srgt environ, rec	1/23/2018	Organic	Triphenylphosphate	n/a	=	112	%	EPA 525.2	-88	-88	70	130	
2017/18-1	ME-VR2	srgt environ	2/2/2018	Organic	Triphenylphosphate	n/a	=	0.602	µg/L	EPA 525.2m	-88	-88			
2017/18-1	ME-VR2	srgt environ, rec	2/2/2018	Organic	Triphenylphosphate	n/a	=	120	%	EPA 525.2m	-88	-88	40	163	
2017/18-1	MO-CAM	srgt environ	1/23/2018	Organic	Triphenylphosphate	n/a	=	6.57	µg/L	EPA 525.2	-88	-88			GN

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	MO-CAM	srgt environ, rec	1/23/2018	Organic	Triphenylphosphate	n/a	=	131	%	EPA 525.2	-88	-88	70	130	GN
2017/18-1	MO-CAM	srgt environ	1/30/2018	Organic	Triphenylphosphate	n/a	=	0.556	µg/L	EPA 525.2m	-88	-88			
2017/18-1	MO-CAM	srgt environ, rec	1/30/2018	Organic	Triphenylphosphate	n/a	=	111	%	EPA 525.2m	-88	-88	40	163	
2017/18-1	MO-FIL	srgt environ	1/24/2018	Organic	Triphenylphosphate	n/a	=	6.51	µg/L	EPA 525.2	-88	-88			
2017/18-1	MO-FIL	srgt environ, rec	1/24/2018	Organic	Triphenylphosphate	n/a	=	130	%	EPA 525.2	-88	-88	70	130	
2017/18-1	MO-FIL	srgt matrix spike dup	1/30/2018	Organic	Triphenylphosphate	n/a	=	0.642	µg/L	EPA 525.2m	-88	-88			
2017/18-1	MO-FIL	srgt matrix spike dup, rec	1/30/2018	Organic	Triphenylphosphate	n/a	=	128	%	EPA 525.2m	-88	-88	40	163	
2017/18-1	MO-FIL	srgt environ	1/30/2018	Organic	Triphenylphosphate	n/a	=	0.509	µg/L	EPA 525.2m	-88	-88			
2017/18-1	MO-FIL	srgt environ, rec	1/30/2018	Organic	Triphenylphosphate	n/a	=	102	%	EPA 525.2m	-88	-88	40	163	
2017/18-1	MO-FIL	srgt matrix spike	1/31/2018	Organic	Triphenylphosphate	n/a	=	0.911	µg/L	EPA 525.2m	-88	-88			GN
2017/18-1	MO-FIL	srgt matrix spike, rec	1/31/2018	Organic	Triphenylphosphate	n/a	=	182	%	EPA 525.2m	-88	-88	40	163	GN
2017/18-1	MO-HUE	srgt environ	1/23/2018	Organic	Triphenylphosphate	n/a	=	6.28	µg/L	EPA 525.2	-88	-88			
2017/18-1	MO-HUE	srgt environ, rec	1/23/2018	Organic	Triphenylphosphate	n/a	=	126	%	EPA 525.2	-88	-88	70	130	
2017/18-1	MO-HUE	srgt environ	2/2/2018	Organic	Triphenylphosphate	n/a	=	0.567	µg/L	EPA 525.2m	-88	-88			
2017/18-1	MO-HUE	srgt environ, rec	2/2/2018	Organic	Triphenylphosphate	n/a	=	113	%	EPA 525.2m	-88	-88	40	163	
2017/18-1	MO-MEI	srgt environ	1/23/2018	Organic	Triphenylphosphate	n/a	=	57.4	µg/L	EPA 525.2	-88	-88			
2017/18-1	MO-MEI	srgt environ, rec	1/23/2018	Organic	Triphenylphosphate	n/a	=	115	%	EPA 525.2	-88	-88	70	130	
2017/18-1	MO-MEI	srgt environ	1/30/2018	Organic	Triphenylphosphate	n/a	=	0.647	µg/L	EPA 525.2m	-88	-88			
2017/18-1	MO-MEI	srgt environ, rec	1/30/2018	Organic	Triphenylphosphate	n/a	=	129	%	EPA 525.2m	-88	-88	40	163	
2017/18-1	MO-MPK	srgt environ	1/23/2018	Organic	Triphenylphosphate	n/a	=	55	µg/L	EPA 525.2	-88	-88			
2017/18-1	MO-MPK	srgt environ, rec	1/23/2018	Organic	Triphenylphosphate	n/a	=	110	%	EPA 525.2	-88	-88	70	130	
2017/18-1	MO-MPK	srgt environ	1/30/2018	Organic	Triphenylphosphate	n/a	=	0.587	µg/L	EPA 525.2m	-88	-88			
2017/18-1	MO-MPK	srgt environ, rec	1/30/2018	Organic	Triphenylphosphate	n/a	=	117	%	EPA 525.2m	-88	-88	40	163	
2017/18-1	MO-OJA	srgt environ	1/23/2018	Organic	Triphenylphosphate	n/a	=	54.8	µg/L	EPA 525.2	-88	-88			
2017/18-1	MO-OJA	srgt environ, rec	1/23/2018	Organic	Triphenylphosphate	n/a	=	110	%	EPA 525.2	-88	-88	70	130	
2017/18-1	MO-OJA	srgt environ	1/30/2018	Organic	Triphenylphosphate	n/a	=	4.73	µg/L	EPA 525.2m	-88	-88			GN
2017/18-1	MO-OJA	srgt environ, rec	1/30/2018	Organic	Triphenylphosphate	n/a	=	189	%	EPA 525.2m	-88	-88	40	163	GN
2017/18-1	MO-OXN	srgt environ	1/24/2018	Organic	Triphenylphosphate	n/a	=	6.4	µg/L	EPA 525.2	-88	-88			
2017/18-1	MO-OXN	srgt environ, rec	1/24/2018	Organic	Triphenylphosphate	n/a	=	128	%	EPA 525.2	-88	-88	70	130	
2017/18-1	MO-OXN	srgt environ	1/30/2018	Organic	Triphenylphosphate	n/a	=	0.59	µg/L	EPA 525.2m	-88	-88			
2017/18-1	MO-OXN	srgt environ, rec	1/30/2018	Organic	Triphenylphosphate	n/a	=	118	%	EPA 525.2m	-88	-88	40	163	
2017/18-1	MO-SIM	srgt environ	1/23/2018	Organic	Triphenylphosphate	n/a	=	6.68	µg/L	EPA 525.2	-88	-88			GN
2017/18-1	MO-SIM	srgt environ, rec	1/23/2018	Organic	Triphenylphosphate	n/a	=	134	%	EPA 525.2	-88	-88	70	130	GN
2017/18-1	MO-SIM	srgt environ	2/2/2018	Organic	Triphenylphosphate	n/a	=	0.436	µg/L	EPA 525.2m	-88	-88			
2017/18-1	MO-SIM	srgt environ, rec	2/2/2018	Organic	Triphenylphosphate	n/a	=	87	%	EPA 525.2m	-88	-88	40	163	
2017/18-1	MO-SPA	srgt environ	1/23/2018	Organic	Triphenylphosphate	n/a	=	6.38	µg/L	EPA 525.2	-88	-88			
2017/18-1	MO-SPA	srgt environ, rec	1/23/2018	Organic	Triphenylphosphate	n/a	=	128	%	EPA 525.2	-88	-88	70	130	
2017/18-1	MO-SPA	srgt environ	2/2/2018	Organic	Triphenylphosphate	n/a	=	0.616	µg/L	EPA 525.2m	-88	-88			
2017/18-1	MO-SPA	srgt environ, rec	2/2/2018	Organic	Triphenylphosphate	n/a	=	123	%	EPA 525.2m	-88	-88	40	163	
2017/18-1	MO-THO	srgt environ	1/23/2018	Organic	Triphenylphosphate	n/a	=	57.4	µg/L	EPA 525.2	-88	-88			
2017/18-1	MO-THO	srgt environ, rec	1/23/2018	Organic	Triphenylphosphate	n/a	=	115	%	EPA 525.2	-88	-88	70	130	
2017/18-1	MO-THO	srgt environ	1/30/2018	Organic	Triphenylphosphate	n/a	=	0.614	µg/L	EPA 525.2m	-88	-88			
2017/18-1	MO-THO	srgt environ, rec	1/30/2018	Organic	Triphenylphosphate	n/a	=	123	%	EPA 525.2m	-88	-88	40	163	
2017/18-1	MO-VEN	srgt environ	1/23/2018	Organic	Triphenylphosphate	n/a	=	6.38	µg/L	EPA 525.2	-88	-88			
2017/18-1	MO-VEN	srgt environ, rec	1/23/2018	Organic	Triphenylphosphate	n/a	=	128	%	EPA 525.2	-88	-88	70	130	
2017/18-1	MO-VEN	srgt environ	2/2/2018	Organic	Triphenylphosphate	n/a	=	0.651	µg/L	EPA 525.2m	-88	-88			
2017/18-1	MO-VEN	srgt environ, rec	2/2/2018	Organic	Triphenylphosphate	n/a	=	130	%	EPA 525.2m	-88	-88	40	163	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	000NONPJ	srgt matrix spike	1/24/2018	PCB	PCB 209	n/a	=	0.093	µg/L	EPA 608	-88	-88			
2017/18-1	000NONPJ	srgt matrix spike, rec	1/24/2018	PCB	PCB 209	n/a	=	93	%	EPA 608	-88	-88	34	125	
2017/18-1	000NONPJ	srgt matrix spike dup	1/24/2018	PCB	PCB 209	n/a	=	0.0956	µg/L	EPA 608	-88	-88			
2017/18-1	000NONPJ	srgt matrix spike dup, rec	1/24/2018	PCB	PCB 209	n/a	=	96	%	EPA 608	-88	-88	34	125	
2017/18-1	Lab	srgt method blank	1/22/2018	PCB	PCB 209	n/a	=	0.101	µg/L	EPA 608	-88	-88			
2017/18-1	Lab	srgt method blank, rec	1/22/2018	PCB	PCB 209	n/a	=	101	%	EPA 608	-88	-88	34	125	
2017/18-1	Lab	srgt LCS	1/22/2018	PCB	PCB 209	n/a	=	0.0969	µg/L	EPA 608	-88	-88			
2017/18-1	Lab	srgt LCS, rec	1/22/2018	PCB	PCB 209	n/a	=	97	%	EPA 608	-88	-88	34	125	
2017/18-1	Lab	srgt LCS dup	1/22/2018	PCB	PCB 209	n/a	=	0.105	µg/L	EPA 608	-88	-88			
2017/18-1	Lab	srgt LCS dup, rec	1/22/2018	PCB	PCB 209	n/a	=	105	%	EPA 608	-88	-88	34	125	
2017/18-1	Lab	srgt method blank	1/24/2018	PCB	PCB 209	n/a	=	0.0899	µg/L	EPA 608	-88	-88			
2017/18-1	Lab	srgt method blank, rec	1/24/2018	PCB	PCB 209	n/a	=	90	%	EPA 608	-88	-88	34	125	
2017/18-1	Lab	srgt LCS	1/24/2018	PCB	PCB 209	n/a	=	0.0912	µg/L	EPA 608	-88	-88			
2017/18-1	Lab	srgt LCS, rec	1/24/2018	PCB	PCB 209	n/a	=	91	%	EPA 608	-88	-88	34	125	
2017/18-1	Lab	srgt method blank	1/29/2018	PCB	PCB 209	n/a	=	0.103	µg/L	EPA 608	-88	-88			
2017/18-1	Lab	srgt method blank, rec	1/29/2018	PCB	PCB 209	n/a	=	103	%	EPA 608	-88	-88	34	125	
2017/18-1	Lab	srgt LCS	1/29/2018	PCB	PCB 209	n/a	=	0.104	µg/L	EPA 608	-88	-88			
2017/18-1	Lab	srgt LCS, rec	1/29/2018	PCB	PCB 209	n/a	=	104	%	EPA 608	-88	-88	34	125	
2017/18-1	ME-CC	srgt environ	1/24/2018	PCB	PCB 209	n/a	=	0.0514	µg/L	EPA 608	-88	-88			
2017/18-1	ME-CC	srgt environ, rec	1/24/2018	PCB	PCB 209	n/a	=	51	%	EPA 608	-88	-88	34	125	
2017/18-1	ME-SCR	srgt environ	1/22/2018	PCB	PCB 209	n/a	=	0.0743	µg/L	EPA 608	-88	-88			
2017/18-1	ME-SCR	srgt environ, rec	1/22/2018	PCB	PCB 209	n/a	=	74	%	EPA 608	-88	-88	34	125	
2017/18-1	ME-VR2	srgt environ	1/22/2018	PCB	PCB 209	n/a	=	0.382	µg/L	EPA 608	-88	-88			
2017/18-1	ME-VR2	srgt environ, rec	1/22/2018	PCB	PCB 209	n/a	=	38	%	EPA 608	-88	-88	34	125	
2017/18-1	MO-CAM	srgt environ	1/24/2018	PCB	PCB 209	n/a	=	0.0824	µg/L	EPA 608	-88	-88			
2017/18-1	MO-CAM	srgt environ, rec	1/24/2018	PCB	PCB 209	n/a	=	82	%	EPA 608	-88	-88	34	125	
2017/18-1	MO-FIL	srgt environ	1/24/2018	PCB	PCB 209	n/a	=	0.0799	µg/L	EPA 608	-88	-88			
2017/18-1	MO-FIL	srgt environ, rec	1/24/2018	PCB	PCB 209	n/a	=	80	%	EPA 608	-88	-88	34	125	
2017/18-1	MO-HUE	srgt environ	1/23/2018	PCB	PCB 209	n/a	=	0.0546	µg/L	EPA 608	-88	-88			
2017/18-1	MO-HUE	srgt environ, rec	1/23/2018	PCB	PCB 209	n/a	=	55	%	EPA 608	-88	-88	34	125	
2017/18-1	MO-MEI	srgt environ	1/24/2018	PCB	PCB 209	n/a	=	0.0726	µg/L	EPA 608	-88	-88			
2017/18-1	MO-MEI	srgt environ, rec	1/24/2018	PCB	PCB 209	n/a	=	73	%	EPA 608	-88	-88	34	125	
2017/18-1	MO-MPK	srgt environ	1/24/2018	PCB	PCB 209	n/a	=	0.0669	µg/L	EPA 608	-88	-88			
2017/18-1	MO-MPK	srgt environ, rec	1/24/2018	PCB	PCB 209	n/a	=	67	%	EPA 608	-88	-88	34	125	
2017/18-1	MO-OJA	srgt environ	1/24/2018	PCB	PCB 209	n/a	=	0.044	µg/L	EPA 608	-88	-88			
2017/18-1	MO-OJA	srgt environ, rec	1/24/2018	PCB	PCB 209	n/a	=	44	%	EPA 608	-88	-88	34	125	
2017/18-1	MO-OXN	srgt environ	1/24/2018	PCB	PCB 209	n/a	=	0.0869	µg/L	EPA 608	-88	-88			
2017/18-1	MO-OXN	srgt environ, rec	1/24/2018	PCB	PCB 209	n/a	=	87	%	EPA 608	-88	-88	34	125	
2017/18-1	MO-SIM	srgt environ	1/23/2018	PCB	PCB 209	n/a	=	0.0699	µg/L	EPA 608	-88	-88			
2017/18-1	MO-SIM	srgt environ, rec	1/23/2018	PCB	PCB 209	n/a	=	70	%	EPA 608	-88	-88	34	125	
2017/18-1	MO-SPA	srgt environ	1/23/2018	PCB	PCB 209	n/a	=	0.0538	µg/L	EPA 608	-88	-88			
2017/18-1	MO-SPA	srgt environ, rec	1/23/2018	PCB	PCB 209	n/a	=	54	%	EPA 608	-88	-88	34	125	
2017/18-1	MO-THO	srgt environ	1/24/2018	PCB	PCB 209	n/a	=	0.0614	µg/L	EPA 608	-88	-88			
2017/18-1	MO-THO	srgt environ, rec	1/24/2018	PCB	PCB 209	n/a	=	61	%	EPA 608	-88	-88	34	125	
2017/18-1	MO-VEN	srgt environ	1/23/2018	PCB	PCB 209	n/a	=	0.0692	µg/L	EPA 608	-88	-88			
2017/18-1	MO-VEN	srgt environ, rec	1/23/2018	PCB	PCB 209	n/a	=	69	%	EPA 608	-88	-88	34	125	
2017/18-1	000NONPJ	matrix spike	1/12/2018	Pesticide	2,4,5-T	n/a	=	3.99	µg/L	EPA 515.3	0.07	0.2			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	000NONPJ	matrix spike, rec	1/12/2018	Pesticide	2,4,5-T	n/a	=	100	%	EPA 515.3	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike dup	1/12/2018	Pesticide	2,4,5-T	n/a	=	4.13	µg/L	EPA 515.3	0.07	0.2			
2017/18-1	000NONPJ	matrix spike dup, rec	1/12/2018	Pesticide	2,4,5-T	n/a	=	103	%	EPA 515.3	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike, RPD	1/12/2018	Pesticide	2,4,5-T	n/a	=	3	%	EPA 515.3	-88	-88	0	30	
2017/18-1	000NONPJ	matrix spike	1/12/2018	Pesticide	2,4,5-T	n/a	=	4.11	µg/L	EPA 515.3	0.07	0.2			
2017/18-1	000NONPJ	matrix spike, rec	1/12/2018	Pesticide	2,4,5-T	n/a	=	103	%	EPA 515.3	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike dup	1/12/2018	Pesticide	2,4,5-T	n/a	=	4.29	µg/L	EPA 515.3	0.07	0.2			
2017/18-1	000NONPJ	matrix spike dup, rec	1/12/2018	Pesticide	2,4,5-T	n/a	=	107	%	EPA 515.3	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike, RPD	1/12/2018	Pesticide	2,4,5-T	n/a	=	4	%	EPA 515.3	-88	-88	0	30	
2017/18-1	Lab	method blank	1/12/2018	Pesticide	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2			
2017/18-1	Lab	LCS	1/12/2018	Pesticide	2,4,5-T	n/a	=	4.28	µg/L	EPA 515.3	0.07	0.2			
2017/18-1	Lab	LCS, rec	1/12/2018	Pesticide	2,4,5-T	n/a	=	107	%	EPA 515.3	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike	1/12/2018	Pesticide	2,4,5-TP	n/a	=	3.99	µg/L	EPA 515.3	0.09	0.2			
2017/18-1	000NONPJ	matrix spike, rec	1/12/2018	Pesticide	2,4,5-TP	n/a	=	100	%	EPA 515.3	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike dup	1/12/2018	Pesticide	2,4,5-TP	n/a	=	4.11	µg/L	EPA 515.3	0.09	0.2			
2017/18-1	000NONPJ	matrix spike dup, rec	1/12/2018	Pesticide	2,4,5-TP	n/a	=	103	%	EPA 515.3	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike, RPD	1/12/2018	Pesticide	2,4,5-TP	n/a	=	3	%	EPA 515.3	-88	-88	0	30	
2017/18-1	000NONPJ	matrix spike	1/12/2018	Pesticide	2,4,5-TP	n/a	=	4.24	µg/L	EPA 515.3	0.09	0.2			
2017/18-1	000NONPJ	matrix spike, rec	1/12/2018	Pesticide	2,4,5-TP	n/a	=	106	%	EPA 515.3	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike dup	1/12/2018	Pesticide	2,4,5-TP	n/a	=	4.33	µg/L	EPA 515.3	0.09	0.2			
2017/18-1	000NONPJ	matrix spike dup, rec	1/12/2018	Pesticide	2,4,5-TP	n/a	=	108	%	EPA 515.3	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike, RPD	1/12/2018	Pesticide	2,4,5-TP	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2017/18-1	Lab	method blank	1/12/2018	Pesticide	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2			
2017/18-1	Lab	LCS	1/12/2018	Pesticide	2,4,5-TP	n/a	=	4.29	µg/L	EPA 515.3	0.09	0.2			
2017/18-1	Lab	LCS, rec	1/12/2018	Pesticide	2,4,5-TP	n/a	=	107	%	EPA 515.3	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike	1/12/2018	Pesticide	2,4-D	n/a	=	8.61	µg/L	EPA 515.3	0.07	0.4			
2017/18-1	000NONPJ	matrix spike, rec	1/12/2018	Pesticide	2,4-D	n/a	=	108	%	EPA 515.3	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike dup	1/12/2018	Pesticide	2,4-D	n/a	=	8.63	µg/L	EPA 515.3	0.07	0.4			
2017/18-1	000NONPJ	matrix spike dup, rec	1/12/2018	Pesticide	2,4-D	n/a	=	108	%	EPA 515.3	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike, RPD	1/12/2018	Pesticide	2,4-D	n/a	=	0.2	%	EPA 515.3	-88	-88	0	30	
2017/18-1	000NONPJ	matrix spike	1/12/2018	Pesticide	2,4-D	n/a	=	8.67	µg/L	EPA 515.3	0.07	0.4			
2017/18-1	000NONPJ	matrix spike, rec	1/12/2018	Pesticide	2,4-D	n/a	=	108	%	EPA 515.3	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike dup	1/12/2018	Pesticide	2,4-D	n/a	=	8.99	µg/L	EPA 515.3	0.07	0.4			
2017/18-1	000NONPJ	matrix spike dup, rec	1/12/2018	Pesticide	2,4-D	n/a	=	112	%	EPA 515.3	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike, RPD	1/12/2018	Pesticide	2,4-D	n/a	=	4	%	EPA 515.3	-88	-88	0	30	
2017/18-1	Lab	method blank	1/12/2018	Pesticide	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4			
2017/18-1	Lab	LCS	1/12/2018	Pesticide	2,4-D	n/a	=	8.7	µg/L	EPA 515.3	0.07	0.4			
2017/18-1	Lab	LCS, rec	1/12/2018	Pesticide	2,4-D	n/a	=	109	%	EPA 515.3	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike	1/12/2018	Pesticide	2,4-DB	n/a	=	16.5	µg/L	EPA 515.3	0.07	2			
2017/18-1	000NONPJ	matrix spike, rec	1/12/2018	Pesticide	2,4-DB	n/a	=	103	%	EPA 515.3	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike dup	1/12/2018	Pesticide	2,4-DB	n/a	=	17.8	µg/L	EPA 515.3	0.07	2			
2017/18-1	000NONPJ	matrix spike dup, rec	1/12/2018	Pesticide	2,4-DB	n/a	=	111	%	EPA 515.3	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike, RPD	1/12/2018	Pesticide	2,4-DB	n/a	=	7	%	EPA 515.3	-88	-88	0	30	
2017/18-1	000NONPJ	matrix spike	1/12/2018	Pesticide	2,4-DB	n/a	=	16.8	µg/L	EPA 515.3	0.07	2			
2017/18-1	000NONPJ	matrix spike, rec	1/12/2018	Pesticide	2,4-DB	n/a	=	105	%	EPA 515.3	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike dup	1/12/2018	Pesticide	2,4-DB	n/a	=	17.4	µg/L	EPA 515.3	0.07	2			
2017/18-1	000NONPJ	matrix spike dup, rec	1/12/2018	Pesticide	2,4-DB	n/a	=	108	%	EPA 515.3	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	000NONPJ	matrix spike, RPD	1/12/2018	Pesticide	2,4-DB	n/a	=	3	%	EPA 515.3	-88	-88	0	30	
2017/18-1	Lab	method blank	1/12/2018	Pesticide	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2			
2017/18-1	Lab	LCS	1/12/2018	Pesticide	2,4-DB	n/a	=	16.7	µg/L	EPA 515.3	0.07	2			
2017/18-1	Lab	LCS, rec	1/12/2018	Pesticide	2,4-DB	n/a	=	105	%	EPA 515.3	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike	1/12/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	8.89	µg/L	EPA 515.3	0.09	1			
2017/18-1	000NONPJ	matrix spike, rec	1/12/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	111	%	EPA 515.3	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike dup	1/12/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	8.69	µg/L	EPA 515.3	0.09	1			
2017/18-1	000NONPJ	matrix spike dup, rec	1/12/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	109	%	EPA 515.3	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike, RPD	1/12/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2017/18-1	000NONPJ	matrix spike	1/12/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	8.91	µg/L	EPA 515.3	0.09	1			
2017/18-1	000NONPJ	matrix spike, rec	1/12/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	111	%	EPA 515.3	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike dup	1/12/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	8.8	µg/L	EPA 515.3	0.09	1			
2017/18-1	000NONPJ	matrix spike dup, rec	1/12/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	110	%	EPA 515.3	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike, RPD	1/12/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	1	%	EPA 515.3	-88	-88	0	30	
2017/18-1	Lab	method blank	1/12/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1			
2017/18-1	Lab	LCS	1/12/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	8.4	µg/L	EPA 515.3	0.09	1			
2017/18-1	Lab	LCS, rec	1/12/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	105	%	EPA 515.3	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike	1/24/2018	Pesticide	4,4'-DDD	n/a	=	0.0935	µg/L	EPA 608	0.003	0.05			
2017/18-1	000NONPJ	matrix spike, rec	1/24/2018	Pesticide	4,4'-DDD	n/a	=	94	%	EPA 608	-88	-88	23	124	
2017/18-1	000NONPJ	matrix spike dup	1/24/2018	Pesticide	4,4'-DDD	n/a	=	0.0957	µg/L	EPA 608	0.003	0.05			
2017/18-1	000NONPJ	matrix spike dup, rec	1/24/2018	Pesticide	4,4'-DDD	n/a	=	96	%	EPA 608	-88	-88	23	124	
2017/18-1	000NONPJ	matrix spike, RPD	1/24/2018	Pesticide	4,4'-DDD	n/a	=	2	%	EPA 608	-88	-88	0	30	
2017/18-1	Lab	method blank	1/22/2018	Pesticide	4,4'-DDD	n/a	<	0.003	µg/L	EPA 608	0.003	0.05			
2017/18-1	Lab	LCS	1/22/2018	Pesticide	4,4'-DDD	n/a	=	0.0996	µg/L	EPA 608	0.003	0.05			
2017/18-1	Lab	LCS, rec	1/22/2018	Pesticide	4,4'-DDD	n/a	=	100	%	EPA 608	-88	-88	42	133	
2017/18-1	Lab	LCS dup	1/22/2018	Pesticide	4,4'-DDD	n/a	=	0.106	µg/L	EPA 608	0.003	0.05			
2017/18-1	Lab	LCS dup, rec	1/22/2018	Pesticide	4,4'-DDD	n/a	=	106	%	EPA 608	-88	-88	42	133	
2017/18-1	Lab	LCS, RPD	1/22/2018	Pesticide	4,4'-DDD	n/a	=	6	%	EPA 608	-88	-88	0	30	
2017/18-1	Lab	method blank	1/24/2018	Pesticide	4,4'-DDD	n/a	<	0.003	µg/L	EPA 608	0.003	0.05			
2017/18-1	Lab	LCS	1/24/2018	Pesticide	4,4'-DDD	n/a	=	0.0912	µg/L	EPA 608	0.003	0.05			
2017/18-1	Lab	LCS, rec	1/24/2018	Pesticide	4,4'-DDD	n/a	=	91	%	EPA 608	-88	-88	42	133	
2017/18-1	Lab	method blank	1/29/2018	Pesticide	4,4'-DDD	n/a	<	0.003	µg/L	EPA 608	0.003	0.05			
2017/18-1	Lab	LCS	1/29/2018	Pesticide	4,4'-DDD	n/a	=	0.104	µg/L	EPA 608	0.003	0.05			
2017/18-1	Lab	LCS, rec	1/29/2018	Pesticide	4,4'-DDD	n/a	=	104	%	EPA 608	-88	-88	42	133	
2017/18-1	000NONPJ	matrix spike	1/24/2018	Pesticide	4,4'-DDE	n/a	=	0.0873	µg/L	EPA 608	0.0025	0.05			
2017/18-1	000NONPJ	matrix spike, rec	1/24/2018	Pesticide	4,4'-DDE	n/a	=	87	%	EPA 608	-88	-88	30	114	
2017/18-1	000NONPJ	matrix spike dup	1/24/2018	Pesticide	4,4'-DDE	n/a	=	0.0898	µg/L	EPA 608	0.0025	0.05			
2017/18-1	000NONPJ	matrix spike dup, rec	1/24/2018	Pesticide	4,4'-DDE	n/a	=	90	%	EPA 608	-88	-88	30	114	
2017/18-1	000NONPJ	matrix spike, RPD	1/24/2018	Pesticide	4,4'-DDE	n/a	=	3	%	EPA 608	-88	-88	0	30	
2017/18-1	Lab	method blank	1/22/2018	Pesticide	4,4'-DDE	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.05			
2017/18-1	Lab	LCS	1/22/2018	Pesticide	4,4'-DDE	n/a	=	0.0956	µg/L	EPA 608	0.0025	0.05			
2017/18-1	Lab	LCS, rec	1/22/2018	Pesticide	4,4'-DDE	n/a	=	96	%	EPA 608	-88	-88	33	126	
2017/18-1	Lab	LCS dup	1/22/2018	Pesticide	4,4'-DDE	n/a	=	0.1	µg/L	EPA 608	0.0025	0.05			
2017/18-1	Lab	LCS dup, rec	1/22/2018	Pesticide	4,4'-DDE	n/a	=	100	%	EPA 608	-88	-88	33	126	
2017/18-1	Lab	LCS, RPD	1/22/2018	Pesticide	4,4'-DDE	n/a	=	5	%	EPA 608	-88	-88	0	30	
2017/18-1	Lab	method blank	1/24/2018	Pesticide	4,4'-DDE	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.05			
2017/18-1	Lab	LCS	1/24/2018	Pesticide	4,4'-DDE	n/a	=	0.0859	µg/L	EPA 608	0.0025	0.05			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	Lab	LCS, rec	1/24/2018	Pesticide	4,4'-DDE	n/a	=	86	%	EPA 608	-88	-88	33	126	
2017/18-1	Lab	method blank	1/29/2018	Pesticide	4,4'-DDE	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.05			
2017/18-1	Lab	LCS	1/29/2018	Pesticide	4,4'-DDE	n/a	=	0.0998	µg/L	EPA 608	0.0025	0.05			
2017/18-1	Lab	LCS, rec	1/29/2018	Pesticide	4,4'-DDE	n/a	=	100	%	EPA 608	-88	-88	33	126	
2017/18-1	000NONPJ	matrix spike	1/24/2018	Pesticide	4,4'-DDT	n/a	=	0.0874	µg/L	EPA 608	0.0031	0.01			
2017/18-1	000NONPJ	matrix spike, rec	1/24/2018	Pesticide	4,4'-DDT	n/a	=	87	%	EPA 608	-88	-88	11	151	
2017/18-1	000NONPJ	matrix spike dup	1/24/2018	Pesticide	4,4'-DDT	n/a	=	0.0888	µg/L	EPA 608	0.0031	0.01			
2017/18-1	000NONPJ	matrix spike dup, rec	1/24/2018	Pesticide	4,4'-DDT	n/a	=	89	%	EPA 608	-88	-88	11	151	
2017/18-1	000NONPJ	matrix spike, RPD	1/24/2018	Pesticide	4,4'-DDT	n/a	=	2	%	EPA 608	-88	-88	0	30	
2017/18-1	Lab	method blank	1/22/2018	Pesticide	4,4'-DDT	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.01			
2017/18-1	Lab	LCS	1/22/2018	Pesticide	4,4'-DDT	n/a	=	0.0946	µg/L	EPA 608	0.0031	0.01			
2017/18-1	Lab	LCS, rec	1/22/2018	Pesticide	4,4'-DDT	n/a	=	95	%	EPA 608	-88	-88	35	147	
2017/18-1	Lab	LCS dup	1/22/2018	Pesticide	4,4'-DDT	n/a	=	0.104	µg/L	EPA 608	0.0031	0.01			
2017/18-1	Lab	LCS dup, rec	1/22/2018	Pesticide	4,4'-DDT	n/a	=	104	%	EPA 608	-88	-88	35	147	
2017/18-1	Lab	LCS, RPD	1/22/2018	Pesticide	4,4'-DDT	n/a	=	9	%	EPA 608	-88	-88	0	30	
2017/18-1	Lab	method blank	1/24/2018	Pesticide	4,4'-DDT	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.01			
2017/18-1	Lab	LCS	1/24/2018	Pesticide	4,4'-DDT	n/a	=	0.0855	µg/L	EPA 608	0.0031	0.01			
2017/18-1	Lab	LCS, rec	1/24/2018	Pesticide	4,4'-DDT	n/a	=	85	%	EPA 608	-88	-88	35	147	
2017/18-1	Lab	method blank	1/29/2018	Pesticide	4,4'-DDT	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.01			
2017/18-1	Lab	LCS	1/29/2018	Pesticide	4,4'-DDT	n/a	=	0.0976	µg/L	EPA 608	0.0031	0.01			
2017/18-1	Lab	LCS, rec	1/29/2018	Pesticide	4,4'-DDT	n/a	=	98	%	EPA 608	-88	-88	35	147	
2017/18-1	000NONPJ	matrix spike	1/12/2018	Pesticide	Acifluorfen	n/a	=	4.02	µg/L	EPA 515.3	0.06	0.4			
2017/18-1	000NONPJ	matrix spike, rec	1/12/2018	Pesticide	Acifluorfen	n/a	=	100	%	EPA 515.3	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike dup	1/12/2018	Pesticide	Acifluorfen	n/a	=	4.22	µg/L	EPA 515.3	0.06	0.4			
2017/18-1	000NONPJ	matrix spike dup, rec	1/12/2018	Pesticide	Acifluorfen	n/a	=	106	%	EPA 515.3	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike, RPD	1/12/2018	Pesticide	Acifluorfen	n/a	=	5	%	EPA 515.3	-88	-88	0	30	
2017/18-1	000NONPJ	matrix spike	1/12/2018	Pesticide	Acifluorfen	n/a	=	4.22	µg/L	EPA 515.3	0.06	0.4			
2017/18-1	000NONPJ	matrix spike, rec	1/12/2018	Pesticide	Acifluorfen	n/a	=	105	%	EPA 515.3	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike dup	1/12/2018	Pesticide	Acifluorfen	n/a	=	4.41	µg/L	EPA 515.3	0.06	0.4			
2017/18-1	000NONPJ	matrix spike dup, rec	1/12/2018	Pesticide	Acifluorfen	n/a	=	110	%	EPA 515.3	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike, RPD	1/12/2018	Pesticide	Acifluorfen	n/a	=	5	%	EPA 515.3	-88	-88	0	30	
2017/18-1	Lab	method blank	1/12/2018	Pesticide	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4			
2017/18-1	Lab	LCS	1/12/2018	Pesticide	Acifluorfen	n/a	=	4.17	µg/L	EPA 515.3	0.06	0.4			
2017/18-1	Lab	LCS, rec	1/12/2018	Pesticide	Acifluorfen	n/a	=	104	%	EPA 515.3	-88	-88	70	130	
2017/18-1	Lab	method blank	1/22/2018	Pesticide	Alachlor	n/a	<	0.05	µg/L	EPA 608	0.05	0.05			
2017/18-1	Lab	method blank	1/23/2018	Pesticide	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1			
2017/18-1	Lab	LCS	1/23/2018	Pesticide	Alachlor	n/a	=	4.98	µg/L	EPA 525.2	0.022	0.1			
2017/18-1	Lab	LCS, rec	1/23/2018	Pesticide	Alachlor	n/a	=	100	%	EPA 525.2	-88	-88	70	130	
2017/18-1	Lab	LCS dup	1/23/2018	Pesticide	Alachlor	n/a	=	4.72	µg/L	EPA 525.2	0.022	0.1			
2017/18-1	Lab	LCS dup, rec	1/23/2018	Pesticide	Alachlor	n/a	=	94	%	EPA 525.2	-88	-88	70	130	
2017/18-1	Lab	LCS, RPD	1/23/2018	Pesticide	Alachlor	n/a	=	5	%	EPA 525.2	-88	-88	0	30	
2017/18-1	000NONPJ	matrix spike	1/24/2018	Pesticide	Aldrin	n/a	=	0.0771	µg/L	EPA 608	0.0015	0.005			
2017/18-1	000NONPJ	matrix spike, rec	1/24/2018	Pesticide	Aldrin	n/a	=	77	%	EPA 608	-88	-88	18	110	
2017/18-1	000NONPJ	matrix spike dup	1/24/2018	Pesticide	Aldrin	n/a	=	0.0824	µg/L	EPA 608	0.0015	0.005			
2017/18-1	000NONPJ	matrix spike dup, rec	1/24/2018	Pesticide	Aldrin	n/a	=	82	%	EPA 608	-88	-88	18	110	
2017/18-1	000NONPJ	matrix spike, RPD	1/24/2018	Pesticide	Aldrin	n/a	=	7	%	EPA 608	-88	-88	0	30	
2017/18-1	Lab	method blank	1/22/2018	Pesticide	Aldrin	n/a	<	0.0015	µg/L	EPA 608	0.0015	0.005			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	Lab	LCS	1/22/2018	Pesticide	Aldrin	n/a	=	0.0949	µg/L	EPA 608	0.0015	0.005			
2017/18-1	Lab	LCS, rec	1/22/2018	Pesticide	Aldrin	n/a	=	95	%	EPA 608	-88	-88	18	117	
2017/18-1	Lab	LCS dup	1/22/2018	Pesticide	Aldrin	n/a	=	0.0945	µg/L	EPA 608	0.0015	0.005			
2017/18-1	Lab	LCS dup, rec	1/22/2018	Pesticide	Aldrin	n/a	=	94	%	EPA 608	-88	-88	18	117	
2017/18-1	Lab	LCS, RPD	1/22/2018	Pesticide	Aldrin	n/a	=	0.5	%	EPA 608	-88	-88	0	30	
2017/18-1	Lab	method blank	1/24/2018	Pesticide	Aldrin	n/a	<	0.0015	µg/L	EPA 608	0.0015	0.005			
2017/18-1	Lab	LCS	1/24/2018	Pesticide	Aldrin	n/a	=	0.0749	µg/L	EPA 608	0.0015	0.005			
2017/18-1	Lab	LCS, rec	1/24/2018	Pesticide	Aldrin	n/a	=	75	%	EPA 608	-88	-88	18	117	
2017/18-1	Lab	method blank	1/29/2018	Pesticide	Aldrin	n/a	<	0.0015	µg/L	EPA 608	0.0015	0.005			
2017/18-1	Lab	LCS	1/29/2018	Pesticide	Aldrin	n/a	=	0.089	µg/L	EPA 608	0.0015	0.005			
2017/18-1	Lab	LCS, rec	1/29/2018	Pesticide	Aldrin	n/a	=	89	%	EPA 608	-88	-88	18	117	
2017/18-1	000NONPJ	matrix spike	1/24/2018	Pesticide	alpha-BHC	n/a	=	0.0664	µg/L	EPA 608	0.0018	0.01			
2017/18-1	000NONPJ	matrix spike, rec	1/24/2018	Pesticide	alpha-BHC	n/a	=	66	%	EPA 608	-88	-88	43	114	
2017/18-1	000NONPJ	matrix spike dup	1/24/2018	Pesticide	alpha-BHC	n/a	=	0.0716	µg/L	EPA 608	0.0018	0.01			
2017/18-1	000NONPJ	matrix spike dup, rec	1/24/2018	Pesticide	alpha-BHC	n/a	=	72	%	EPA 608	-88	-88	43	114	
2017/18-1	000NONPJ	matrix spike, RPD	1/24/2018	Pesticide	alpha-BHC	n/a	=	7	%	EPA 608	-88	-88	0	30	
2017/18-1	Lab	method blank	1/22/2018	Pesticide	alpha-BHC	n/a	<	0.0018	µg/L	EPA 608	0.0018	0.01			
2017/18-1	Lab	LCS	1/22/2018	Pesticide	alpha-BHC	n/a	=	0.088	µg/L	EPA 608	0.0018	0.01			
2017/18-1	Lab	LCS, rec	1/22/2018	Pesticide	alpha-BHC	n/a	=	88	%	EPA 608	-88	-88	47	119	
2017/18-1	Lab	LCS dup	1/22/2018	Pesticide	alpha-BHC	n/a	=	0.0888	µg/L	EPA 608	0.0018	0.01			
2017/18-1	Lab	LCS dup, rec	1/22/2018	Pesticide	alpha-BHC	n/a	=	89	%	EPA 608	-88	-88	47	119	
2017/18-1	Lab	LCS, RPD	1/22/2018	Pesticide	alpha-BHC	n/a	=	0.9	%	EPA 608	-88	-88	0	30	
2017/18-1	Lab	method blank	1/24/2018	Pesticide	alpha-BHC	n/a	<	0.0018	µg/L	EPA 608	0.0018	0.01			
2017/18-1	Lab	LCS	1/24/2018	Pesticide	alpha-BHC	n/a	=	0.0757	µg/L	EPA 608	0.0018	0.01			
2017/18-1	Lab	LCS, rec	1/24/2018	Pesticide	alpha-BHC	n/a	=	76	%	EPA 608	-88	-88	47	119	
2017/18-1	Lab	method blank	1/29/2018	Pesticide	alpha-BHC	n/a	<	0.0018	µg/L	EPA 608	0.0018	0.01			
2017/18-1	Lab	LCS	1/29/2018	Pesticide	alpha-BHC	n/a	=	0.086	µg/L	EPA 608	0.0018	0.01			
2017/18-1	Lab	LCS, rec	1/29/2018	Pesticide	alpha-BHC	n/a	=	86	%	EPA 608	-88	-88	47	119	
2017/18-1	Lab	method blank	1/23/2018	Pesticide	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1			
2017/18-1	Lab	LCS	1/23/2018	Pesticide	Atrazine	n/a	=	5.07	µg/L	EPA 525.2	0.034	0.1			
2017/18-1	Lab	LCS, rec	1/23/2018	Pesticide	Atrazine	n/a	=	101	%	EPA 525.2	-88	-88	70	130	
2017/18-1	Lab	LCS dup	1/23/2018	Pesticide	Atrazine	n/a	=	4.91	µg/L	EPA 525.2	0.034	0.1			
2017/18-1	Lab	LCS dup, rec	1/23/2018	Pesticide	Atrazine	n/a	=	98	%	EPA 525.2	-88	-88	70	130	
2017/18-1	Lab	LCS, RPD	1/23/2018	Pesticide	Atrazine	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2017/18-1	000NONPJ	matrix spike	2/2/2018	Pesticide	Azinphos methyl	n/a	=	0.0484	µg/L	EPA 525.2m	0.0055	0.01			
2017/18-1	000NONPJ	matrix spike, rec	2/2/2018	Pesticide	Azinphos methyl	n/a	=	97	%	EPA 525.2m	-88	-88	0.1	154	
2017/18-1	000NONPJ	matrix spike dup	2/2/2018	Pesticide	Azinphos methyl	n/a	=	0.0363	µg/L	EPA 525.2m	0.0055	0.01			
2017/18-1	000NONPJ	matrix spike dup, rec	2/2/2018	Pesticide	Azinphos methyl	n/a	=	73	%	EPA 525.2m	-88	-88	0.1	154	
2017/18-1	000NONPJ	matrix spike, RPD	2/2/2018	Pesticide	Azinphos methyl	n/a	=	28	%	EPA 525.2m	-88	-88	0	30	
2017/18-1	Lab	method blank	1/30/2018	Pesticide	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01			
2017/18-1	Lab	LCS	1/30/2018	Pesticide	Azinphos methyl	n/a	=	0.0561	µg/L	EPA 525.2m	0.0055	0.01			
2017/18-1	Lab	LCS, rec	1/30/2018	Pesticide	Azinphos methyl	n/a	=	112	%	EPA 525.2m	-88	-88	0.1	188	
2017/18-1	Lab	method blank	2/2/2018	Pesticide	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01			
2017/18-1	Lab	LCS	2/2/2018	Pesticide	Azinphos methyl	n/a	=	0.0448	µg/L	EPA 525.2m	0.0055	0.01			
2017/18-1	Lab	LCS, rec	2/2/2018	Pesticide	Azinphos methyl	n/a	=	90	%	EPA 525.2m	-88	-88	0.1	188	
2017/18-1	MO-FIL	matrix spike dup	1/30/2018	Pesticide	Azinphos methyl	n/a	=	0.0406	µg/L	EPA 525.2m	0.0055	0.01			
2017/18-1	MO-FIL	matrix spike dup, rec	1/30/2018	Pesticide	Azinphos methyl	n/a	=	81	%	EPA 525.2m	-88	-88	0.1	154	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	MO-FIL	matrix spike, RPD	1/30/2018	Pesticide	Azinphos methyl	n/a	=	75	%	EPA 525.2m	-88	-88	0	30	IL
2017/18-1	MO-FIL	matrix spike	1/31/2018	Pesticide	Azinphos methyl	n/a	=	0.0892	µg/L	EPA 525.2m	0.0055	0.01			GB
2017/18-1	MO-FIL	matrix spike, rec	1/31/2018	Pesticide	Azinphos methyl	n/a	=	178	%	EPA 525.2m	-88	-88	0.1	154	GB
2017/18-1	000NONPJ	matrix spike	1/12/2018	Pesticide	Bentazon	n/a	=	16.6	µg/L	EPA 515.3	0.11	2			
2017/18-1	000NONPJ	matrix spike, rec	1/12/2018	Pesticide	Bentazon	n/a	=	104	%	EPA 515.3	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike dup	1/12/2018	Pesticide	Bentazon	n/a	=	17.3	µg/L	EPA 515.3	0.11	2			
2017/18-1	000NONPJ	matrix spike dup, rec	1/12/2018	Pesticide	Bentazon	n/a	=	108	%	EPA 515.3	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike, RPD	1/12/2018	Pesticide	Bentazon	n/a	=	4	%	EPA 515.3	-88	-88	0	30	
2017/18-1	000NONPJ	matrix spike	1/12/2018	Pesticide	Bentazon	n/a	=	18.2	µg/L	EPA 515.3	0.11	2			
2017/18-1	000NONPJ	matrix spike, rec	1/12/2018	Pesticide	Bentazon	n/a	=	114	%	EPA 515.3	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike dup	1/12/2018	Pesticide	Bentazon	n/a	=	18	µg/L	EPA 515.3	0.11	2			
2017/18-1	000NONPJ	matrix spike dup, rec	1/12/2018	Pesticide	Bentazon	n/a	=	113	%	EPA 515.3	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike, RPD	1/12/2018	Pesticide	Bentazon	n/a	=	1	%	EPA 515.3	-88	-88	0	30	
2017/18-1	Lab	method blank	1/12/2018	Pesticide	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2			
2017/18-1	Lab	LCS	1/12/2018	Pesticide	Bentazon	n/a	=	17.5	µg/L	EPA 515.3	0.11	2			
2017/18-1	Lab	LCS, rec	1/12/2018	Pesticide	Bentazon	n/a	=	110	%	EPA 515.3	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike	1/24/2018	Pesticide	beta-BHC	n/a	=	0.0928	µg/L	EPA 608	0.0031	0.005			
2017/18-1	000NONPJ	matrix spike, rec	1/24/2018	Pesticide	beta-BHC	n/a	=	93	%	EPA 608	-88	-88	24	135	
2017/18-1	000NONPJ	matrix spike dup	1/24/2018	Pesticide	beta-BHC	n/a	=	0.0968	µg/L	EPA 608	0.0031	0.005			
2017/18-1	000NONPJ	matrix spike dup, rec	1/24/2018	Pesticide	beta-BHC	n/a	=	97	%	EPA 608	-88	-88	24	135	
2017/18-1	000NONPJ	matrix spike, RPD	1/24/2018	Pesticide	beta-BHC	n/a	=	4	%	EPA 608	-88	-88	0	30	
2017/18-1	Lab	method blank	1/22/2018	Pesticide	beta-BHC	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.005			
2017/18-1	Lab	LCS	1/22/2018	Pesticide	beta-BHC	n/a	=	0.106	µg/L	EPA 608	0.0031	0.005			
2017/18-1	Lab	LCS, rec	1/22/2018	Pesticide	beta-BHC	n/a	=	106	%	EPA 608	-88	-88	53	123	
2017/18-1	Lab	LCS dup	1/22/2018	Pesticide	beta-BHC	n/a	=	0.109	µg/L	EPA 608	0.0031	0.005			
2017/18-1	Lab	LCS dup, rec	1/22/2018	Pesticide	beta-BHC	n/a	=	109	%	EPA 608	-88	-88	53	123	
2017/18-1	Lab	LCS, RPD	1/22/2018	Pesticide	beta-BHC	n/a	=	3	%	EPA 608	-88	-88	0	30	
2017/18-1	Lab	method blank	1/24/2018	Pesticide	beta-BHC	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.005			
2017/18-1	Lab	LCS	1/24/2018	Pesticide	beta-BHC	n/a	=	0.0955	µg/L	EPA 608	0.0031	0.005			
2017/18-1	Lab	LCS, rec	1/24/2018	Pesticide	beta-BHC	n/a	=	95	%	EPA 608	-88	-88	53	123	
2017/18-1	Lab	method blank	1/29/2018	Pesticide	beta-BHC	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.005			
2017/18-1	Lab	LCS	1/29/2018	Pesticide	beta-BHC	n/a	=	0.111	µg/L	EPA 608	0.0031	0.005			
2017/18-1	Lab	LCS, rec	1/29/2018	Pesticide	beta-BHC	n/a	=	111	%	EPA 608	-88	-88	53	123	
2017/18-1	000NONPJ	matrix spike	2/2/2018	Pesticide	Bolstar	n/a	=	0.0366	µg/L	EPA 525.2m	0.0046	0.01			
2017/18-1	000NONPJ	matrix spike, rec	2/2/2018	Pesticide	Bolstar	n/a	=	73	%	EPA 525.2m	-88	-88	4	184	
2017/18-1	000NONPJ	matrix spike dup	2/2/2018	Pesticide	Bolstar	n/a	=	0.0303	µg/L	EPA 525.2m	0.0046	0.01			
2017/18-1	000NONPJ	matrix spike dup, rec	2/2/2018	Pesticide	Bolstar	n/a	=	61	%	EPA 525.2m	-88	-88	4	184	
2017/18-1	000NONPJ	matrix spike, RPD	2/2/2018	Pesticide	Bolstar	n/a	=	19	%	EPA 525.2m	-88	-88	0	30	
2017/18-1	Lab	method blank	1/30/2018	Pesticide	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01			
2017/18-1	Lab	LCS	1/30/2018	Pesticide	Bolstar	n/a	=	0.03	µg/L	EPA 525.2m	0.0046	0.01			
2017/18-1	Lab	LCS, rec	1/30/2018	Pesticide	Bolstar	n/a	=	60	%	EPA 525.2m	-88	-88	11	166	
2017/18-1	Lab	method blank	2/2/2018	Pesticide	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01			
2017/18-1	Lab	LCS	2/2/2018	Pesticide	Bolstar	n/a	=	0.0346	µg/L	EPA 525.2m	0.0046	0.01			
2017/18-1	Lab	LCS, rec	2/2/2018	Pesticide	Bolstar	n/a	=	69	%	EPA 525.2m	-88	-88	11	166	
2017/18-1	MO-FIL	matrix spike dup	1/30/2018	Pesticide	Bolstar	n/a	=	0.0275	µg/L	EPA 525.2m	0.0046	0.01			
2017/18-1	MO-FIL	matrix spike dup, rec	1/30/2018	Pesticide	Bolstar	n/a	=	55	%	EPA 525.2m	-88	-88	4	184	
2017/18-1	MO-FIL	matrix spike, RPD	1/30/2018	Pesticide	Bolstar	n/a	=	6	%	EPA 525.2m	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	MO-FIL	matrix spike	1/31/2018	Pesticide	Bolstar	n/a	=	0.0292	µg/L	EPA 525.2m	0.0046	0.01			
2017/18-1	MO-FIL	matrix spike, rec	1/31/2018	Pesticide	Bolstar	n/a	=	58	%	EPA 525.2m	-88	-88	4	184	
2017/18-1	Lab	method blank	1/23/2018	Pesticide	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1			
2017/18-1	Lab	LCS	1/23/2018	Pesticide	Bromacil	n/a	=	5.01	µg/L	EPA 525.2	0.038	1			
2017/18-1	Lab	LCS, rec	1/23/2018	Pesticide	Bromacil	n/a	=	100	%	EPA 525.2	-88	-88	70	130	
2017/18-1	Lab	LCS dup	1/23/2018	Pesticide	Bromacil	n/a	=	5.05	µg/L	EPA 525.2	0.038	1			
2017/18-1	Lab	LCS dup, rec	1/23/2018	Pesticide	Bromacil	n/a	=	101	%	EPA 525.2	-88	-88	70	130	
2017/18-1	Lab	LCS, RPD	1/23/2018	Pesticide	Bromacil	n/a	=	0.8	%	EPA 525.2	-88	-88	0	30	
2017/18-1	Lab	method blank	1/23/2018	Pesticide	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2			
2017/18-1	Lab	LCS	1/23/2018	Pesticide	Butachlor	n/a	=	5.31	µg/L	EPA 525.2	0.017	0.2			
2017/18-1	Lab	LCS, rec	1/23/2018	Pesticide	Butachlor	n/a	=	106	%	EPA 525.2	-88	-88	70	130	
2017/18-1	Lab	LCS dup	1/23/2018	Pesticide	Butachlor	n/a	=	5.13	µg/L	EPA 525.2	0.017	0.2			
2017/18-1	Lab	LCS dup, rec	1/23/2018	Pesticide	Butachlor	n/a	=	103	%	EPA 525.2	-88	-88	70	130	
2017/18-1	Lab	LCS, RPD	1/23/2018	Pesticide	Butachlor	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2017/18-1	Lab	method blank	1/23/2018	Pesticide	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1			
2017/18-1	Lab	LCS	1/23/2018	Pesticide	Captan	n/a	=	3.39	µg/L	EPA 525.2	0.86	1			EUM
2017/18-1	Lab	LCS, rec	1/23/2018	Pesticide	Captan	n/a	=	68	%	EPA 525.2	-88	-88	70	130	EUM
2017/18-1	Lab	LCS dup	1/23/2018	Pesticide	Captan	n/a	=	3.78	µg/L	EPA 525.2	0.86	1			
2017/18-1	Lab	LCS dup, rec	1/23/2018	Pesticide	Captan	n/a	=	76	%	EPA 525.2	-88	-88	70	130	
2017/18-1	Lab	LCS, RPD	1/23/2018	Pesticide	Captan	n/a	=	11	%	EPA 525.2	-88	-88	0	30	
2017/18-1	Lab	method blank	1/23/2018	Pesticide	Chloropropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1			
2017/18-1	Lab	LCS	1/23/2018	Pesticide	Chloropropham	n/a	=	5.27	µg/L	EPA 525.2	0.01	0.1			
2017/18-1	Lab	LCS, rec	1/23/2018	Pesticide	Chloropropham	n/a	=	105	%	EPA 525.2	-88	-88	70	130	
2017/18-1	Lab	LCS dup	1/23/2018	Pesticide	Chloropropham	n/a	=	5.03	µg/L	EPA 525.2	0.01	0.1			
2017/18-1	Lab	LCS dup, rec	1/23/2018	Pesticide	Chloropropham	n/a	=	101	%	EPA 525.2	-88	-88	70	130	
2017/18-1	Lab	LCS, RPD	1/23/2018	Pesticide	Chloropropham	n/a	=	5	%	EPA 525.2	-88	-88	0	30	
2017/18-1	000NONPJ	matrix spike	2/2/2018	Pesticide	Chlorpyrifos	n/a	=	0.0505	µg/L	EPA 525.2m	0.0069	0.01			
2017/18-1	000NONPJ	matrix spike, rec	2/2/2018	Pesticide	Chlorpyrifos	n/a	=	101	%	EPA 525.2m	-88	-88	37	168	
2017/18-1	000NONPJ	matrix spike dup	2/2/2018	Pesticide	Chlorpyrifos	n/a	=	0.0637	µg/L	EPA 525.2m	0.0069	0.01			
2017/18-1	000NONPJ	matrix spike dup, rec	2/2/2018	Pesticide	Chlorpyrifos	n/a	=	127	%	EPA 525.2m	-88	-88	37	168	
2017/18-1	000NONPJ	matrix spike, RPD	2/2/2018	Pesticide	Chlorpyrifos	n/a	=	23	%	EPA 525.2m	-88	-88	0	30	
2017/18-1	Lab	method blank	1/30/2018	Pesticide	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01			
2017/18-1	Lab	LCS	1/30/2018	Pesticide	Chlorpyrifos	n/a	=	0.0446	µg/L	EPA 525.2m	0.0069	0.01			
2017/18-1	Lab	LCS, rec	1/30/2018	Pesticide	Chlorpyrifos	n/a	=	89	%	EPA 525.2m	-88	-88	37	169	
2017/18-1	Lab	method blank	2/2/2018	Pesticide	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01			
2017/18-1	Lab	LCS	2/2/2018	Pesticide	Chlorpyrifos	n/a	=	0.0663	µg/L	EPA 525.2m	0.0069	0.01			
2017/18-1	Lab	LCS, rec	2/2/2018	Pesticide	Chlorpyrifos	n/a	=	133	%	EPA 525.2m	-88	-88	37	169	
2017/18-1	MO-FIL	matrix spike dup	1/30/2018	Pesticide	Chlorpyrifos	n/a	=	0.0409	µg/L	EPA 525.2m	0.0069	0.01			
2017/18-1	MO-FIL	matrix spike dup, rec	1/30/2018	Pesticide	Chlorpyrifos	n/a	=	82	%	EPA 525.2m	-88	-88	37	168	
2017/18-1	MO-FIL	matrix spike, RPD	1/30/2018	Pesticide	Chlorpyrifos	n/a	=	19	%	EPA 525.2m	-88	-88	0	30	
2017/18-1	MO-FIL	matrix spike	1/31/2018	Pesticide	Chlorpyrifos	n/a	=	0.0338	µg/L	EPA 525.2m	0.0069	0.01			
2017/18-1	MO-FIL	matrix spike, rec	1/31/2018	Pesticide	Chlorpyrifos	n/a	=	68	%	EPA 525.2m	-88	-88	37	168	
2017/18-1	000NONPJ	matrix spike	2/2/2018	Pesticide	Coumaphos	n/a	=	0.0494	µg/L	EPA 525.2m	0.0051	0.01			
2017/18-1	000NONPJ	matrix spike, rec	2/2/2018	Pesticide	Coumaphos	n/a	=	99	%	EPA 525.2m	-88	-88	0.1	203	
2017/18-1	000NONPJ	matrix spike dup	2/2/2018	Pesticide	Coumaphos	n/a	=	0.0295	µg/L	EPA 525.2m	0.0051	0.01			
2017/18-1	000NONPJ	matrix spike dup, rec	2/2/2018	Pesticide	Coumaphos	n/a	=	59	%	EPA 525.2m	-88	-88	0.1	203	
2017/18-1	000NONPJ	matrix spike, RPD	2/2/2018	Pesticide	Coumaphos	n/a	=	51	%	EPA 525.2m	-88	-88	0	30	IL

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	Lab	method blank	1/30/2018	Pesticide	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01			
2017/18-1	Lab	LCS	1/30/2018	Pesticide	Coumaphos	n/a	=	0.0505	µg/L	EPA 525.2m	0.0051	0.01			
2017/18-1	Lab	LCS, rec	1/30/2018	Pesticide	Coumaphos	n/a	=	101	%	EPA 525.2m	-88	-88	0.1	225	
2017/18-1	Lab	method blank	2/2/2018	Pesticide	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01			
2017/18-1	Lab	LCS	2/2/2018	Pesticide	Coumaphos	n/a	=	0.0369	µg/L	EPA 525.2m	0.0051	0.01			
2017/18-1	Lab	LCS, rec	2/2/2018	Pesticide	Coumaphos	n/a	=	74	%	EPA 525.2m	-88	-88	0.1	225	
2017/18-1	MO-FIL	matrix spike dup	1/30/2018	Pesticide	Coumaphos	n/a	=	0.0403	µg/L	EPA 525.2m	0.0051	0.01			
2017/18-1	MO-FIL	matrix spike dup, rec	1/30/2018	Pesticide	Coumaphos	n/a	=	81	%	EPA 525.2m	-88	-88	0.1	203	
2017/18-1	MO-FIL	matrix spike, RPD	1/30/2018	Pesticide	Coumaphos	n/a	=	60	%	EPA 525.2m	-88	-88	0	30	IL
2017/18-1	MO-FIL	matrix spike	1/31/2018	Pesticide	Coumaphos	n/a	=	0.0746	µg/L	EPA 525.2m	0.0051	0.01			
2017/18-1	MO-FIL	matrix spike, rec	1/31/2018	Pesticide	Coumaphos	n/a	=	149	%	EPA 525.2m	-88	-88	0.1	203	
2017/18-1	Lab	method blank	1/23/2018	Pesticide	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2017/18-1	Lab	LCS	1/23/2018	Pesticide	Cyanazine	n/a	=	5.21	µg/L	EPA 525.2	0.024	0.1			
2017/18-1	Lab	LCS, rec	1/23/2018	Pesticide	Cyanazine	n/a	=	104	%	EPA 525.2	-88	-88	70	130	
2017/18-1	Lab	LCS dup	1/23/2018	Pesticide	Cyanazine	n/a	=	5.49	µg/L	EPA 525.2	0.024	0.1			
2017/18-1	Lab	LCS dup, rec	1/23/2018	Pesticide	Cyanazine	n/a	=	110	%	EPA 525.2	-88	-88	70	130	
2017/18-1	Lab	LCS, RPD	1/23/2018	Pesticide	Cyanazine	n/a	=	5	%	EPA 525.2	-88	-88	0	30	
2017/18-1	000NONPJ	matrix spike	1/12/2018	Pesticide	Dalapon	n/a	=	7.48	µg/L	EPA 515.3	0.1	0.4			
2017/18-1	000NONPJ	matrix spike, rec	1/12/2018	Pesticide	Dalapon	n/a	=	94	%	EPA 515.3	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike dup	1/12/2018	Pesticide	Dalapon	n/a	=	9.05	µg/L	EPA 515.3	0.1	0.4			
2017/18-1	000NONPJ	matrix spike dup, rec	1/12/2018	Pesticide	Dalapon	n/a	=	113	%	EPA 515.3	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike, RPD	1/12/2018	Pesticide	Dalapon	n/a	=	19	%	EPA 515.3	-88	-88	0	30	
2017/18-1	000NONPJ	matrix spike	1/12/2018	Pesticide	Dalapon	n/a	=	7.83	µg/L	EPA 515.3	0.1	0.4			
2017/18-1	000NONPJ	matrix spike, rec	1/12/2018	Pesticide	Dalapon	n/a	=	98	%	EPA 515.3	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike dup	1/12/2018	Pesticide	Dalapon	n/a	=	8.57	µg/L	EPA 515.3	0.1	0.4			
2017/18-1	000NONPJ	matrix spike dup, rec	1/12/2018	Pesticide	Dalapon	n/a	=	107	%	EPA 515.3	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike, RPD	1/12/2018	Pesticide	Dalapon	n/a	=	9	%	EPA 515.3	-88	-88	0	30	
2017/18-1	Lab	method blank	1/12/2018	Pesticide	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4			
2017/18-1	Lab	LCS	1/12/2018	Pesticide	Dalapon	n/a	=	8.85	µg/L	EPA 515.3	0.1	0.4			
2017/18-1	Lab	LCS, rec	1/12/2018	Pesticide	Dalapon	n/a	=	111	%	EPA 515.3	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike	1/12/2018	Pesticide	DCPA (Dacthal)	n/a	=	4.12	µg/L	EPA 515.3	0.07	0.1			
2017/18-1	000NONPJ	matrix spike, rec	1/12/2018	Pesticide	DCPA (Dacthal)	n/a	=	103	%	EPA 515.3	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike dup	1/12/2018	Pesticide	DCPA (Dacthal)	n/a	=	4.33	µg/L	EPA 515.3	0.07	0.1			
2017/18-1	000NONPJ	matrix spike dup, rec	1/12/2018	Pesticide	DCPA (Dacthal)	n/a	=	108	%	EPA 515.3	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike, RPD	1/12/2018	Pesticide	DCPA (Dacthal)	n/a	=	5	%	EPA 515.3	-88	-88	0	30	
2017/18-1	000NONPJ	matrix spike	1/12/2018	Pesticide	DCPA (Dacthal)	n/a	=	4.32	µg/L	EPA 515.3	0.07	0.1			
2017/18-1	000NONPJ	matrix spike, rec	1/12/2018	Pesticide	DCPA (Dacthal)	n/a	=	108	%	EPA 515.3	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike dup	1/12/2018	Pesticide	DCPA (Dacthal)	n/a	=	4.49	µg/L	EPA 515.3	0.07	0.1			
2017/18-1	000NONPJ	matrix spike dup, rec	1/12/2018	Pesticide	DCPA (Dacthal)	n/a	=	112	%	EPA 515.3	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike, RPD	1/12/2018	Pesticide	DCPA (Dacthal)	n/a	=	4	%	EPA 515.3	-88	-88	0	30	
2017/18-1	Lab	method blank	1/12/2018	Pesticide	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1			
2017/18-1	Lab	LCS	1/12/2018	Pesticide	DCPA (Dacthal)	n/a	=	4.27	µg/L	EPA 515.3	0.07	0.1			
2017/18-1	Lab	LCS, rec	1/12/2018	Pesticide	DCPA (Dacthal)	n/a	=	107	%	EPA 515.3	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike	1/24/2018	Pesticide	delta-BHC	n/a	=	0.0877	µg/L	EPA 608	0.0025	0.005			
2017/18-1	000NONPJ	matrix spike, rec	1/24/2018	Pesticide	delta-BHC	n/a	=	88	%	EPA 608	-88	-88	37	122	
2017/18-1	000NONPJ	matrix spike dup	1/24/2018	Pesticide	delta-BHC	n/a	=	0.0907	µg/L	EPA 608	0.0025	0.005			
2017/18-1	000NONPJ	matrix spike dup, rec	1/24/2018	Pesticide	delta-BHC	n/a	=	91	%	EPA 608	-88	-88	37	122	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	000NONPJ	matrix spike, RPD	1/24/2018	Pesticide	delta-BHC	n/a	=	3	%	EPA 608	-88	-88	0	30	
2017/18-1	Lab	method blank	1/22/2018	Pesticide	delta-BHC	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.005			
2017/18-1	Lab	LCS	1/22/2018	Pesticide	delta-BHC	n/a	=	0.0992	µg/L	EPA 608	0.0025	0.005			
2017/18-1	Lab	LCS, rec	1/22/2018	Pesticide	delta-BHC	n/a	=	99	%	EPA 608	-88	-88	51	123	
2017/18-1	Lab	LCS dup	1/22/2018	Pesticide	delta-BHC	n/a	=	0.103	µg/L	EPA 608	0.0025	0.005			
2017/18-1	Lab	LCS dup, rec	1/22/2018	Pesticide	delta-BHC	n/a	=	103	%	EPA 608	-88	-88	51	123	
2017/18-1	Lab	LCS, RPD	1/22/2018	Pesticide	delta-BHC	n/a	=	4	%	EPA 608	-88	-88	0	30	
2017/18-1	Lab	method blank	1/24/2018	Pesticide	delta-BHC	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.005			
2017/18-1	Lab	LCS	1/24/2018	Pesticide	delta-BHC	n/a	=	0.0891	µg/L	EPA 608	0.0025	0.005			
2017/18-1	Lab	LCS, rec	1/24/2018	Pesticide	delta-BHC	n/a	=	89	%	EPA 608	-88	-88	51	123	
2017/18-1	Lab	method blank	1/29/2018	Pesticide	delta-BHC	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.005			
2017/18-1	Lab	LCS	1/29/2018	Pesticide	delta-BHC	n/a	=	0.102	µg/L	EPA 608	0.0025	0.005			
2017/18-1	Lab	LCS, rec	1/29/2018	Pesticide	delta-BHC	n/a	=	102	%	EPA 608	-88	-88	51	123	
2017/18-1	000NONPJ	matrix spike	2/2/2018	Pesticide	Demeton-O	n/a	=	0.0552	µg/L	EPA 525.2m	0.01	0.01			
2017/18-1	000NONPJ	matrix spike, rec	2/2/2018	Pesticide	Demeton-O	n/a	=	110	%	EPA 525.2m	-88	-88	0.1	208	
2017/18-1	000NONPJ	matrix spike dup	2/2/2018	Pesticide	Demeton-O	n/a	=	0.0761	µg/L	EPA 525.2m	0.01	0.01			
2017/18-1	000NONPJ	matrix spike dup, rec	2/2/2018	Pesticide	Demeton-O	n/a	=	152	%	EPA 525.2m	-88	-88	0.1	208	
2017/18-1	000NONPJ	matrix spike, RPD	2/2/2018	Pesticide	Demeton-O	n/a	=	32	%	EPA 525.2m	-88	-88	0	30	IL
2017/18-1	Lab	method blank	1/30/2018	Pesticide	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2017/18-1	Lab	LCS	1/30/2018	Pesticide	Demeton-O	n/a	=	0.0448	µg/L	EPA 525.2m	0.01	0.01			
2017/18-1	Lab	LCS, rec	1/30/2018	Pesticide	Demeton-O	n/a	=	90	%	EPA 525.2m	-88	-88	0.1	211	
2017/18-1	Lab	method blank	2/2/2018	Pesticide	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2017/18-1	Lab	LCS	2/2/2018	Pesticide	Demeton-O	n/a	=	0.0766	µg/L	EPA 525.2m	0.01	0.01			
2017/18-1	Lab	LCS, rec	2/2/2018	Pesticide	Demeton-O	n/a	=	153	%	EPA 525.2m	-88	-88	0.1	211	
2017/18-1	MO-FIL	matrix spike dup	1/30/2018	Pesticide	Demeton-O	n/a	=	0.0883	µg/L	EPA 525.2m	0.01	0.01			
2017/18-1	MO-FIL	matrix spike dup, rec	1/30/2018	Pesticide	Demeton-O	n/a	=	177	%	EPA 525.2m	-88	-88	0.1	208	
2017/18-1	MO-FIL	matrix spike, RPD	1/30/2018	Pesticide	Demeton-O	n/a	=	8	%	EPA 525.2m	-88	-88	0	30	
2017/18-1	MO-FIL	matrix spike	1/31/2018	Pesticide	Demeton-O	n/a	=	0.0957	µg/L	EPA 525.2m	0.01	0.01			
2017/18-1	MO-FIL	matrix spike, rec	1/31/2018	Pesticide	Demeton-O	n/a	=	191	%	EPA 525.2m	-88	-88	0.1	208	
2017/18-1	000NONPJ	matrix spike	2/2/2018	Pesticide	Demeton-S	n/a	=	0.0415	µg/L	EPA 525.2m	0.01	0.01			
2017/18-1	000NONPJ	matrix spike, rec	2/2/2018	Pesticide	Demeton-S	n/a	=	83	%	EPA 525.2m	-88	-88	0.1	207	
2017/18-1	000NONPJ	matrix spike dup	2/2/2018	Pesticide	Demeton-S	n/a	=	0.0568	µg/L	EPA 525.2m	0.01	0.01			
2017/18-1	000NONPJ	matrix spike dup, rec	2/2/2018	Pesticide	Demeton-S	n/a	=	114	%	EPA 525.2m	-88	-88	0.1	207	
2017/18-1	000NONPJ	matrix spike, RPD	2/2/2018	Pesticide	Demeton-S	n/a	=	31	%	EPA 525.2m	-88	-88	0	30	IL
2017/18-1	Lab	method blank	1/30/2018	Pesticide	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2017/18-1	Lab	LCS	1/30/2018	Pesticide	Demeton-S	n/a	=	0.0341	µg/L	EPA 525.2m	0.01	0.01			
2017/18-1	Lab	LCS, rec	1/30/2018	Pesticide	Demeton-S	n/a	=	68	%	EPA 525.2m	-88	-88	0.1	213	
2017/18-1	Lab	method blank	2/2/2018	Pesticide	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2017/18-1	Lab	LCS	2/2/2018	Pesticide	Demeton-S	n/a	=	0.0512	µg/L	EPA 525.2m	0.01	0.01			
2017/18-1	Lab	LCS, rec	2/2/2018	Pesticide	Demeton-S	n/a	=	102	%	EPA 525.2m	-88	-88	0.1	213	
2017/18-1	MO-FIL	matrix spike dup	1/30/2018	Pesticide	Demeton-S	n/a	=	0.0641	µg/L	EPA 525.2m	0.01	0.01			
2017/18-1	MO-FIL	matrix spike dup, rec	1/30/2018	Pesticide	Demeton-S	n/a	=	128	%	EPA 525.2m	-88	-88	0.1	207	
2017/18-1	MO-FIL	matrix spike, RPD	1/30/2018	Pesticide	Demeton-S	n/a	=	20	%	EPA 525.2m	-88	-88	0	30	
2017/18-1	MO-FIL	matrix spike	1/31/2018	Pesticide	Demeton-S	n/a	=	0.0523	µg/L	EPA 525.2m	0.01	0.01			
2017/18-1	MO-FIL	matrix spike, rec	1/31/2018	Pesticide	Demeton-S	n/a	=	105	%	EPA 525.2m	-88	-88	0.1	207	
2017/18-1	000NONPJ	matrix spike	2/2/2018	Pesticide	Diazinon	n/a	=	0.0482	µg/L	EPA 525.2m	0.0052	0.01			
2017/18-1	000NONPJ	matrix spike, rec	2/2/2018	Pesticide	Diazinon	n/a	=	80	%	EPA 525.2m	-88	-88	36	153	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	000NONPJ	matrix spike dup	2/2/2018	Pesticide	Diazinon	n/a	=	0.0621	µg/L	EPA 525.2m	0.0052	0.01			
2017/18-1	000NONPJ	matrix spike dup, rec	2/2/2018	Pesticide	Diazinon	n/a	=	108	%	EPA 525.2m	-88	-88	36	153	
2017/18-1	000NONPJ	matrix spike, RPD	2/2/2018	Pesticide	Diazinon	n/a	=	25	%	EPA 525.2m	-88	-88	0	30	
2017/18-1	Lab	method blank	1/23/2018	Pesticide	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1			
2017/18-1	Lab	LCS	1/23/2018	Pesticide	Diazinon	n/a	=	4.49	µg/L	EPA 525.2	0.096	0.1			
2017/18-1	Lab	LCS, rec	1/23/2018	Pesticide	Diazinon	n/a	=	90	%	EPA 525.2	-88	-88	50	120	
2017/18-1	Lab	LCS dup	1/23/2018	Pesticide	Diazinon	n/a	=	4.19	µg/L	EPA 525.2	0.096	0.1			
2017/18-1	Lab	LCS dup, rec	1/23/2018	Pesticide	Diazinon	n/a	=	84	%	EPA 525.2	-88	-88	50	120	
2017/18-1	Lab	LCS, RPD	1/23/2018	Pesticide	Diazinon	n/a	=	7	%	EPA 525.2	-88	-88	0	30	
2017/18-1	Lab	method blank	1/30/2018	Pesticide	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01			
2017/18-1	Lab	LCS	1/30/2018	Pesticide	Diazinon	n/a	=	0.0404	µg/L	EPA 525.2m	0.0052	0.01			
2017/18-1	Lab	LCS, rec	1/30/2018	Pesticide	Diazinon	n/a	=	81	%	EPA 525.2m	-88	-88	43	152	
2017/18-1	Lab	method blank	2/2/2018	Pesticide	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01			
2017/18-1	Lab	LCS	2/2/2018	Pesticide	Diazinon	n/a	=	0.0698	µg/L	EPA 525.2m	0.0052	0.01			
2017/18-1	Lab	LCS, rec	2/2/2018	Pesticide	Diazinon	n/a	=	140	%	EPA 525.2m	-88	-88	43	152	
2017/18-1	MO-FIL	matrix spike dup	1/30/2018	Pesticide	Diazinon	n/a	=	0.0558	µg/L	EPA 525.2m	0.0052	0.01			
2017/18-1	MO-FIL	matrix spike dup, rec	1/30/2018	Pesticide	Diazinon	n/a	=	112	%	EPA 525.2m	-88	-88	36	153	
2017/18-1	MO-FIL	matrix spike, RPD	1/30/2018	Pesticide	Diazinon	n/a	=	24	%	EPA 525.2m	-88	-88	0	30	
2017/18-1	MO-FIL	matrix spike	1/31/2018	Pesticide	Diazinon	n/a	=	0.0437	µg/L	EPA 525.2m	0.0052	0.01			
2017/18-1	MO-FIL	matrix spike, rec	1/31/2018	Pesticide	Diazinon	n/a	=	87	%	EPA 525.2m	-88	-88	36	153	
2017/18-1	000NONPJ	matrix spike	1/12/2018	Pesticide	Dicamba	n/a	=	8.35	µg/L	EPA 515.3	0.12	0.6			
2017/18-1	000NONPJ	matrix spike, rec	1/12/2018	Pesticide	Dicamba	n/a	=	104	%	EPA 515.3	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike dup	1/12/2018	Pesticide	Dicamba	n/a	=	8.54	µg/L	EPA 515.3	0.12	0.6			
2017/18-1	000NONPJ	matrix spike dup, rec	1/12/2018	Pesticide	Dicamba	n/a	=	107	%	EPA 515.3	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike, RPD	1/12/2018	Pesticide	Dicamba	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2017/18-1	000NONPJ	matrix spike	1/12/2018	Pesticide	Dicamba	n/a	=	8.64	µg/L	EPA 515.3	0.12	0.6			
2017/18-1	000NONPJ	matrix spike, rec	1/12/2018	Pesticide	Dicamba	n/a	=	108	%	EPA 515.3	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike dup	1/12/2018	Pesticide	Dicamba	n/a	=	8.84	µg/L	EPA 515.3	0.12	0.6			
2017/18-1	000NONPJ	matrix spike dup, rec	1/12/2018	Pesticide	Dicamba	n/a	=	111	%	EPA 515.3	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike, RPD	1/12/2018	Pesticide	Dicamba	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2017/18-1	Lab	method blank	1/12/2018	Pesticide	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6			
2017/18-1	Lab	LCS	1/12/2018	Pesticide	Dicamba	n/a	=	8.32	µg/L	EPA 515.3	0.12	0.6			
2017/18-1	Lab	LCS, rec	1/12/2018	Pesticide	Dicamba	n/a	=	104	%	EPA 515.3	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike	1/12/2018	Pesticide	Dichlorprop	n/a	=	9.53	µg/L	EPA 515.3	0.08	0.3			
2017/18-1	000NONPJ	matrix spike, rec	1/12/2018	Pesticide	Dichlorprop	n/a	=	119	%	EPA 515.3	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike dup	1/12/2018	Pesticide	Dichlorprop	n/a	=	9.44	µg/L	EPA 515.3	0.08	0.3			
2017/18-1	000NONPJ	matrix spike dup, rec	1/12/2018	Pesticide	Dichlorprop	n/a	=	118	%	EPA 515.3	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike, RPD	1/12/2018	Pesticide	Dichlorprop	n/a	=	0.9	%	EPA 515.3	-88	-88	0	30	
2017/18-1	000NONPJ	matrix spike	1/12/2018	Pesticide	Dichlorprop	n/a	=	8.88	µg/L	EPA 515.3	0.08	0.3			
2017/18-1	000NONPJ	matrix spike, rec	1/12/2018	Pesticide	Dichlorprop	n/a	=	111	%	EPA 515.3	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike dup	1/12/2018	Pesticide	Dichlorprop	n/a	=	8.97	µg/L	EPA 515.3	0.08	0.3			
2017/18-1	000NONPJ	matrix spike dup, rec	1/12/2018	Pesticide	Dichlorprop	n/a	=	112	%	EPA 515.3	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike, RPD	1/12/2018	Pesticide	Dichlorprop	n/a	=	1	%	EPA 515.3	-88	-88	0	30	
2017/18-1	Lab	method blank	1/12/2018	Pesticide	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3			
2017/18-1	Lab	LCS	1/12/2018	Pesticide	Dichlorprop	n/a	=	8.82	µg/L	EPA 515.3	0.08	0.3			
2017/18-1	Lab	LCS, rec	1/12/2018	Pesticide	Dichlorprop	n/a	=	110	%	EPA 515.3	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike	2/2/2018	Pesticide	Dichlorvos	n/a	=	0.0394	µg/L	EPA 525.2m	0.0029	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	000NONPJ	matrix spike, rec	2/2/2018	Pesticide	Dichlorvos	n/a	=	79	%	EPA 525.2m	-88	-88	42	137	
2017/18-1	000NONPJ	matrix spike dup	2/2/2018	Pesticide	Dichlorvos	n/a	=	0.0475	µg/L	EPA 525.2m	0.0029	0.01			
2017/18-1	000NONPJ	matrix spike dup, rec	2/2/2018	Pesticide	Dichlorvos	n/a	=	95	%	EPA 525.2m	-88	-88	42	137	
2017/18-1	000NONPJ	matrix spike, RPD	2/2/2018	Pesticide	Dichlorvos	n/a	=	19	%	EPA 525.2m	-88	-88	0	30	
2017/18-1	Lab	method blank	1/30/2018	Pesticide	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01			
2017/18-1	Lab	LCS	1/30/2018	Pesticide	Dichlorvos	n/a	=	0.035	µg/L	EPA 525.2m	0.0029	0.01			
2017/18-1	Lab	LCS, rec	1/30/2018	Pesticide	Dichlorvos	n/a	=	70	%	EPA 525.2m	-88	-88	46	133	
2017/18-1	Lab	method blank	2/2/2018	Pesticide	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01			
2017/18-1	Lab	LCS	2/2/2018	Pesticide	Dichlorvos	n/a	=	0.05	µg/L	EPA 525.2m	0.0029	0.01			
2017/18-1	Lab	LCS, rec	2/2/2018	Pesticide	Dichlorvos	n/a	=	100	%	EPA 525.2m	-88	-88	46	133	
2017/18-1	MO-FIL	matrix spike dup	1/30/2018	Pesticide	Dichlorvos	n/a	=	0.0324	µg/L	EPA 525.2m	0.0029	0.01			
2017/18-1	MO-FIL	matrix spike dup, rec	1/30/2018	Pesticide	Dichlorvos	n/a	=	65	%	EPA 525.2m	-88	-88	42	137	
2017/18-1	MO-FIL	matrix spike, RPD	1/30/2018	Pesticide	Dichlorvos	n/a	=	37	%	EPA 525.2m	-88	-88	0	30	IL
2017/18-1	MO-FIL	matrix spike	1/31/2018	Pesticide	Dichlorvos	n/a	=	0.047	µg/L	EPA 525.2m	0.0029	0.01			
2017/18-1	MO-FIL	matrix spike, rec	1/31/2018	Pesticide	Dichlorvos	n/a	=	94	%	EPA 525.2m	-88	-88	42	137	
2017/18-1	000NONPJ	matrix spike	1/24/2018	Pesticide	Dieldrin	n/a	=	0.0869	µg/L	EPA 608	0.0021	0.01			
2017/18-1	000NONPJ	matrix spike, rec	1/24/2018	Pesticide	Dieldrin	n/a	=	87	%	EPA 608	-88	-88	27	132	
2017/18-1	000NONPJ	matrix spike dup	1/24/2018	Pesticide	Dieldrin	n/a	=	0.0904	µg/L	EPA 608	0.0021	0.01			
2017/18-1	000NONPJ	matrix spike dup, rec	1/24/2018	Pesticide	Dieldrin	n/a	=	90	%	EPA 608	-88	-88	27	132	
2017/18-1	000NONPJ	matrix spike, RPD	1/24/2018	Pesticide	Dieldrin	n/a	=	4	%	EPA 608	-88	-88	0	30	
2017/18-1	Lab	method blank	1/22/2018	Pesticide	Dieldrin	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.01			
2017/18-1	Lab	LCS	1/22/2018	Pesticide	Dieldrin	n/a	=	0.0973	µg/L	EPA 608	0.0021	0.01			
2017/18-1	Lab	LCS, rec	1/22/2018	Pesticide	Dieldrin	n/a	=	97	%	EPA 608	-88	-88	48	123	
2017/18-1	Lab	LCS dup	1/22/2018	Pesticide	Dieldrin	n/a	=	0.101	µg/L	EPA 608	0.0021	0.01			
2017/18-1	Lab	LCS dup, rec	1/22/2018	Pesticide	Dieldrin	n/a	=	101	%	EPA 608	-88	-88	48	123	
2017/18-1	Lab	LCS, RPD	1/22/2018	Pesticide	Dieldrin	n/a	=	3	%	EPA 608	-88	-88	0	30	
2017/18-1	Lab	method blank	1/24/2018	Pesticide	Dieldrin	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.01			
2017/18-1	Lab	LCS	1/24/2018	Pesticide	Dieldrin	n/a	=	0.0872	µg/L	EPA 608	0.0021	0.01			
2017/18-1	Lab	LCS, rec	1/24/2018	Pesticide	Dieldrin	n/a	=	87	%	EPA 608	-88	-88	48	123	
2017/18-1	Lab	method blank	1/29/2018	Pesticide	Dieldrin	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.01			
2017/18-1	Lab	LCS	1/29/2018	Pesticide	Dieldrin	n/a	=	0.101	µg/L	EPA 608	0.0021	0.01			
2017/18-1	Lab	LCS, rec	1/29/2018	Pesticide	Dieldrin	n/a	=	101	%	EPA 608	-88	-88	48	123	
2017/18-1	000NONPJ	matrix spike	2/6/2018	Pesticide	Dimethoate	n/a	=	0.03	µg/L	EPA 525.2m	0.0062	0.01			
2017/18-1	000NONPJ	matrix spike, rec	2/6/2018	Pesticide	Dimethoate	n/a	=	60	%	EPA 525.2m	-88	-88	4	222	
2017/18-1	000NONPJ	matrix spike dup	2/6/2018	Pesticide	Dimethoate	n/a	=	0.0618	µg/L	EPA 525.2m	0.0062	0.01			
2017/18-1	000NONPJ	matrix spike dup, rec	2/6/2018	Pesticide	Dimethoate	n/a	=	124	%	EPA 525.2m	-88	-88	4	222	
2017/18-1	000NONPJ	matrix spike, RPD	2/6/2018	Pesticide	Dimethoate	n/a	=	69	%	EPA 525.2m	-88	-88	0	30	IL
2017/18-1	Lab	method blank	1/23/2018	Pesticide	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2017/18-1	Lab	LCS	1/23/2018	Pesticide	Dimethoate	n/a	=	4.4	µg/L	EPA 525.2	0.024	0.2			
2017/18-1	Lab	LCS, rec	1/23/2018	Pesticide	Dimethoate	n/a	=	88	%	EPA 525.2	-88	-88	50	120	
2017/18-1	Lab	LCS dup	1/23/2018	Pesticide	Dimethoate	n/a	=	4.58	µg/L	EPA 525.2	0.024	0.2			
2017/18-1	Lab	LCS dup, rec	1/23/2018	Pesticide	Dimethoate	n/a	=	92	%	EPA 525.2	-88	-88	50	120	
2017/18-1	Lab	LCS, RPD	1/23/2018	Pesticide	Dimethoate	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2017/18-1	Lab	method blank	1/30/2018	Pesticide	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01			
2017/18-1	Lab	LCS	1/30/2018	Pesticide	Dimethoate	n/a	=	0.0309	µg/L	EPA 525.2m	0.0062	0.01			
2017/18-1	Lab	LCS, rec	1/30/2018	Pesticide	Dimethoate	n/a	=	62	%	EPA 525.2m	-88	-88	10	234	
2017/18-1	Lab	method blank	2/6/2018	Pesticide	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	Lab	LCS	2/6/2018	Pesticide	Dimethoate	n/a	=	0.0721	µg/L	EPA 525.2m	0.0062	0.01			
2017/18-1	Lab	LCS, rec	2/6/2018	Pesticide	Dimethoate	n/a	=	144	%	EPA 525.2m	-88	-88	10	234	
2017/18-1	MO-FIL	matrix spike dup	1/30/2018	Pesticide	Dimethoate	n/a	=	0.0376	µg/L	EPA 525.2m	0.0062	0.01			
2017/18-1	MO-FIL	matrix spike dup, rec	1/30/2018	Pesticide	Dimethoate	n/a	=	75	%	EPA 525.2m	-88	-88	4	222	
2017/18-1	MO-FIL	matrix spike, RPD	1/30/2018	Pesticide	Dimethoate	n/a	=	38	%	EPA 525.2m	-88	-88	0	30	IL
2017/18-1	MO-FIL	matrix spike	1/31/2018	Pesticide	Dimethoate	n/a	=	0.0554	µg/L	EPA 525.2m	0.0062	0.01			
2017/18-1	MO-FIL	matrix spike, rec	1/31/2018	Pesticide	Dimethoate	n/a	=	111	%	EPA 525.2m	-88	-88	4	222	
2017/18-1	000NONPJ	matrix spike	1/12/2018	Pesticide	Dinoseb	n/a	=	3.97	µg/L	EPA 515.3	0.14	0.4			
2017/18-1	000NONPJ	matrix spike, rec	1/12/2018	Pesticide	Dinoseb	n/a	=	99	%	EPA 515.3	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike dup	1/12/2018	Pesticide	Dinoseb	n/a	=	4.05	µg/L	EPA 515.3	0.14	0.4			
2017/18-1	000NONPJ	matrix spike dup, rec	1/12/2018	Pesticide	Dinoseb	n/a	=	101	%	EPA 515.3	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike, RPD	1/12/2018	Pesticide	Dinoseb	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2017/18-1	000NONPJ	matrix spike	1/12/2018	Pesticide	Dinoseb	n/a	=	4.11	µg/L	EPA 515.3	0.14	0.4			
2017/18-1	000NONPJ	matrix spike, rec	1/12/2018	Pesticide	Dinoseb	n/a	=	103	%	EPA 515.3	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike dup	1/12/2018	Pesticide	Dinoseb	n/a	=	4.2	µg/L	EPA 515.3	0.14	0.4			
2017/18-1	000NONPJ	matrix spike dup, rec	1/12/2018	Pesticide	Dinoseb	n/a	=	105	%	EPA 515.3	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike, RPD	1/12/2018	Pesticide	Dinoseb	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2017/18-1	Lab	method blank	1/12/2018	Pesticide	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4			
2017/18-1	Lab	LCS	1/12/2018	Pesticide	Dinoseb	n/a	=	4.15	µg/L	EPA 515.3	0.14	0.4			
2017/18-1	Lab	LCS, rec	1/12/2018	Pesticide	Dinoseb	n/a	=	104	%	EPA 515.3	-88	-88	70	130	
2017/18-1	Lab	method blank	1/23/2018	Pesticide	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2017/18-1	Lab	LCS	1/23/2018	Pesticide	Diphenamid	n/a	=	5.43	µg/L	EPA 525.2	0.024	0.1			
2017/18-1	Lab	LCS, rec	1/23/2018	Pesticide	Diphenamid	n/a	=	109	%	EPA 525.2	-88	-88	70	130	
2017/18-1	Lab	LCS dup	1/23/2018	Pesticide	Diphenamid	n/a	=	5.5	µg/L	EPA 525.2	0.024	0.1			
2017/18-1	Lab	LCS dup, rec	1/23/2018	Pesticide	Diphenamid	n/a	=	110	%	EPA 525.2	-88	-88	70	130	
2017/18-1	Lab	LCS, RPD	1/23/2018	Pesticide	Diphenamid	n/a	=	1	%	EPA 525.2	-88	-88	0	30	
2017/18-1	000NONPJ	matrix spike	2/2/2018	Pesticide	Disulfoton	n/a	=	0.0462	µg/L	EPA 525.2m	0.01	0.01			
2017/18-1	000NONPJ	matrix spike, rec	2/2/2018	Pesticide	Disulfoton	n/a	=	92	%	EPA 525.2m	-88	-88	12	199	
2017/18-1	000NONPJ	matrix spike dup	2/2/2018	Pesticide	Disulfoton	n/a	=	0.0531	µg/L	EPA 525.2m	0.01	0.01			
2017/18-1	000NONPJ	matrix spike dup, rec	2/2/2018	Pesticide	Disulfoton	n/a	=	106	%	EPA 525.2m	-88	-88	12	199	
2017/18-1	000NONPJ	matrix spike, RPD	2/2/2018	Pesticide	Disulfoton	n/a	=	14	%	EPA 525.2m	-88	-88	0	30	
2017/18-1	Lab	method blank	1/23/2018	Pesticide	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1			
2017/18-1	Lab	LCS	1/23/2018	Pesticide	Disulfoton	n/a	=	6.42	µg/L	EPA 525.2	0.031	0.1			EUM
2017/18-1	Lab	LCS, rec	1/23/2018	Pesticide	Disulfoton	n/a	=	128	%	EPA 525.2	-88	-88	50	120	EUM
2017/18-1	Lab	LCS dup	1/23/2018	Pesticide	Disulfoton	n/a	=	6.67	µg/L	EPA 525.2	0.031	0.1			EUM
2017/18-1	Lab	LCS dup, rec	1/23/2018	Pesticide	Disulfoton	n/a	=	133	%	EPA 525.2	-88	-88	50	120	EUM
2017/18-1	Lab	LCS, RPD	1/23/2018	Pesticide	Disulfoton	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2017/18-1	Lab	method blank	1/30/2018	Pesticide	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2017/18-1	Lab	LCS	1/30/2018	Pesticide	Disulfoton	n/a	=	0.0349	µg/L	EPA 525.2m	0.01	0.01			
2017/18-1	Lab	LCS, rec	1/30/2018	Pesticide	Disulfoton	n/a	=	70	%	EPA 525.2m	-88	-88	0.1	212	
2017/18-1	Lab	method blank	2/2/2018	Pesticide	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2017/18-1	Lab	LCS	2/2/2018	Pesticide	Disulfoton	n/a	=	0.0532	µg/L	EPA 525.2m	0.01	0.01			
2017/18-1	Lab	LCS, rec	2/2/2018	Pesticide	Disulfoton	n/a	=	106	%	EPA 525.2m	-88	-88	0.1	212	
2017/18-1	MO-FIL	matrix spike dup	1/30/2018	Pesticide	Disulfoton	n/a	=	0.0415	µg/L	EPA 525.2m	0.01	0.01			
2017/18-1	MO-FIL	matrix spike dup, rec	1/30/2018	Pesticide	Disulfoton	n/a	=	83	%	EPA 525.2m	-88	-88	12	199	
2017/18-1	MO-FIL	matrix spike, RPD	1/30/2018	Pesticide	Disulfoton	n/a	=	9	%	EPA 525.2m	-88	-88	0	30	
2017/18-1	MO-FIL	matrix spike	1/31/2018	Pesticide	Disulfoton	n/a	=	0.0381	µg/L	EPA 525.2m	0.01	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	MO-FIL	matrix spike, rec	1/31/2018	Pesticide	Disulfoton	n/a	=	76	%	EPA 525.2m	-88	-88	12	199	
2017/18-1	000NONPJ	matrix spike	1/24/2018	Pesticide	Endosulfan I	n/a	=	0.0812	µg/L	EPA 608	0.0017	0.02			
2017/18-1	000NONPJ	matrix spike, rec	1/24/2018	Pesticide	Endosulfan I	n/a	=	81	%	EPA 608	-88	-88	0.1	140	
2017/18-1	000NONPJ	matrix spike dup	1/24/2018	Pesticide	Endosulfan I	n/a	=	0.0841	µg/L	EPA 608	0.0017	0.02			
2017/18-1	000NONPJ	matrix spike dup, rec	1/24/2018	Pesticide	Endosulfan I	n/a	=	84	%	EPA 608	-88	-88	0.1	140	
2017/18-1	000NONPJ	matrix spike, RPD	1/24/2018	Pesticide	Endosulfan I	n/a	=	3	%	EPA 608	-88	-88	0	30	
2017/18-1	Lab	method blank	1/22/2018	Pesticide	Endosulfan I	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.02			
2017/18-1	Lab	LCS	1/22/2018	Pesticide	Endosulfan I	n/a	=	0.091	µg/L	EPA 608	0.0017	0.02			
2017/18-1	Lab	LCS, rec	1/22/2018	Pesticide	Endosulfan I	n/a	=	91	%	EPA 608	-88	-88	14	131	
2017/18-1	Lab	LCS dup	1/22/2018	Pesticide	Endosulfan I	n/a	=	0.0937	µg/L	EPA 608	0.0017	0.02			
2017/18-1	Lab	LCS dup, rec	1/22/2018	Pesticide	Endosulfan I	n/a	=	94	%	EPA 608	-88	-88	14	131	
2017/18-1	Lab	LCS, RPD	1/22/2018	Pesticide	Endosulfan I	n/a	=	3	%	EPA 608	-88	-88	0	30	
2017/18-1	Lab	method blank	1/24/2018	Pesticide	Endosulfan I	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.02			
2017/18-1	Lab	LCS	1/24/2018	Pesticide	Endosulfan I	n/a	=	0.0812	µg/L	EPA 608	0.0017	0.02			
2017/18-1	Lab	LCS, rec	1/24/2018	Pesticide	Endosulfan I	n/a	=	81	%	EPA 608	-88	-88	14	131	
2017/18-1	Lab	method blank	1/29/2018	Pesticide	Endosulfan I	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.02			
2017/18-1	Lab	LCS	1/29/2018	Pesticide	Endosulfan I	n/a	=	0.0954	µg/L	EPA 608	0.0017	0.02			
2017/18-1	Lab	LCS, rec	1/29/2018	Pesticide	Endosulfan I	n/a	=	95	%	EPA 608	-88	-88	14	131	
2017/18-1	000NONPJ	matrix spike	1/24/2018	Pesticide	Endosulfan II	n/a	=	0.0878	µg/L	EPA 608	0.0019	0.01			
2017/18-1	000NONPJ	matrix spike, rec	1/24/2018	Pesticide	Endosulfan II	n/a	=	88	%	EPA 608	-88	-88	17	122	
2017/18-1	000NONPJ	matrix spike dup	1/24/2018	Pesticide	Endosulfan II	n/a	=	0.0899	µg/L	EPA 608	0.0019	0.01			
2017/18-1	000NONPJ	matrix spike dup, rec	1/24/2018	Pesticide	Endosulfan II	n/a	=	90	%	EPA 608	-88	-88	17	122	
2017/18-1	000NONPJ	matrix spike, RPD	1/24/2018	Pesticide	Endosulfan II	n/a	=	2	%	EPA 608	-88	-88	0	30	
2017/18-1	Lab	method blank	1/22/2018	Pesticide	Endosulfan II	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01			
2017/18-1	Lab	LCS	1/22/2018	Pesticide	Endosulfan II	n/a	=	0.0957	µg/L	EPA 608	0.0019	0.01			
2017/18-1	Lab	LCS, rec	1/22/2018	Pesticide	Endosulfan II	n/a	=	96	%	EPA 608	-88	-88	40	121	
2017/18-1	Lab	LCS dup	1/22/2018	Pesticide	Endosulfan II	n/a	=	0.102	µg/L	EPA 608	0.0019	0.01			
2017/18-1	Lab	LCS dup, rec	1/22/2018	Pesticide	Endosulfan II	n/a	=	102	%	EPA 608	-88	-88	40	121	
2017/18-1	Lab	LCS, RPD	1/22/2018	Pesticide	Endosulfan II	n/a	=	6	%	EPA 608	-88	-88	0	30	
2017/18-1	Lab	method blank	1/24/2018	Pesticide	Endosulfan II	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01			
2017/18-1	Lab	LCS	1/24/2018	Pesticide	Endosulfan II	n/a	=	0.0862	µg/L	EPA 608	0.0019	0.01			
2017/18-1	Lab	LCS, rec	1/24/2018	Pesticide	Endosulfan II	n/a	=	86	%	EPA 608	-88	-88	40	121	
2017/18-1	Lab	method blank	1/29/2018	Pesticide	Endosulfan II	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01			
2017/18-1	Lab	LCS	1/29/2018	Pesticide	Endosulfan II	n/a	=	0.101	µg/L	EPA 608	0.0019	0.01			
2017/18-1	Lab	LCS, rec	1/29/2018	Pesticide	Endosulfan II	n/a	=	101	%	EPA 608	-88	-88	40	121	
2017/18-1	000NONPJ	matrix spike	1/24/2018	Pesticide	Endosulfan sulfate	n/a	=	0.0616	µg/L	EPA 608	0.008	0.05			
2017/18-1	000NONPJ	matrix spike, rec	1/24/2018	Pesticide	Endosulfan sulfate	n/a	=	62	%	EPA 608	-88	-88	37	131	
2017/18-1	000NONPJ	matrix spike dup	1/24/2018	Pesticide	Endosulfan sulfate	n/a	=	0.0646	µg/L	EPA 608	0.008	0.05			
2017/18-1	000NONPJ	matrix spike dup, rec	1/24/2018	Pesticide	Endosulfan sulfate	n/a	=	65	%	EPA 608	-88	-88	37	131	
2017/18-1	000NONPJ	matrix spike, RPD	1/24/2018	Pesticide	Endosulfan sulfate	n/a	=	5	%	EPA 608	-88	-88	0	30	
2017/18-1	Lab	method blank	1/22/2018	Pesticide	Endosulfan sulfate	n/a	<	0.008	µg/L	EPA 608	0.008	0.05			
2017/18-1	Lab	LCS	1/22/2018	Pesticide	Endosulfan sulfate	n/a	=	0.0732	µg/L	EPA 608	0.008	0.05			
2017/18-1	Lab	LCS, rec	1/22/2018	Pesticide	Endosulfan sulfate	n/a	=	73	%	EPA 608	-88	-88	44	140	
2017/18-1	Lab	LCS dup	1/22/2018	Pesticide	Endosulfan sulfate	n/a	=	0.0795	µg/L	EPA 608	0.008	0.05			
2017/18-1	Lab	LCS dup, rec	1/22/2018	Pesticide	Endosulfan sulfate	n/a	=	79	%	EPA 608	-88	-88	44	140	
2017/18-1	Lab	LCS, RPD	1/22/2018	Pesticide	Endosulfan sulfate	n/a	=	8	%	EPA 608	-88	-88	0	30	
2017/18-1	Lab	method blank	1/24/2018	Pesticide	Endosulfan sulfate	n/a	<	0.008	µg/L	EPA 608	0.008	0.05			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	Lab	LCS	1/24/2018	Pesticide	Endosulfan sulfate	n/a	=	0.0574	µg/L	EPA 608	0.008	0.05			
2017/18-1	Lab	LCS, rec	1/24/2018	Pesticide	Endosulfan sulfate	n/a	=	57	%	EPA 608	-88	-88	44	140	
2017/18-1	Lab	method blank	1/29/2018	Pesticide	Endosulfan sulfate	n/a	<	0.008	µg/L	EPA 608	0.008	0.05			
2017/18-1	Lab	LCS	1/29/2018	Pesticide	Endosulfan sulfate	n/a	=	0.0684	µg/L	EPA 608	0.008	0.05			
2017/18-1	Lab	LCS, rec	1/29/2018	Pesticide	Endosulfan sulfate	n/a	=	68	%	EPA 608	-88	-88	44	140	
2017/18-1	000NONPJ	matrix spike	1/24/2018	Pesticide	Endrin	n/a	=	0.102	µg/L	EPA 608	0.0028	0.01			
2017/18-1	000NONPJ	matrix spike, rec	1/24/2018	Pesticide	Endrin	n/a	=	102	%	EPA 608	-88	-88	42	144	
2017/18-1	000NONPJ	matrix spike dup	1/24/2018	Pesticide	Endrin	n/a	=	0.105	µg/L	EPA 608	0.0028	0.01			
2017/18-1	000NONPJ	matrix spike dup, rec	1/24/2018	Pesticide	Endrin	n/a	=	105	%	EPA 608	-88	-88	42	144	
2017/18-1	000NONPJ	matrix spike, RPD	1/24/2018	Pesticide	Endrin	n/a	=	3	%	EPA 608	-88	-88	0	30	
2017/18-1	Lab	method blank	1/22/2018	Pesticide	Endrin	n/a	<	0.0028	µg/L	EPA 608	0.0028	0.01			
2017/18-1	Lab	LCS	1/22/2018	Pesticide	Endrin	n/a	=	0.11	µg/L	EPA 608	0.0028	0.01			
2017/18-1	Lab	LCS, rec	1/22/2018	Pesticide	Endrin	n/a	=	110	%	EPA 608	-88	-88	40	143	
2017/18-1	Lab	LCS dup	1/22/2018	Pesticide	Endrin	n/a	=	0.115	µg/L	EPA 608	0.0028	0.01			
2017/18-1	Lab	LCS dup, rec	1/22/2018	Pesticide	Endrin	n/a	=	115	%	EPA 608	-88	-88	40	143	
2017/18-1	Lab	LCS, RPD	1/22/2018	Pesticide	Endrin	n/a	=	4	%	EPA 608	-88	-88	0	30	
2017/18-1	Lab	method blank	1/24/2018	Pesticide	Endrin	n/a	<	0.0028	µg/L	EPA 608	0.0028	0.01			
2017/18-1	Lab	LCS	1/24/2018	Pesticide	Endrin	n/a	=	0.101	µg/L	EPA 608	0.0028	0.01			
2017/18-1	Lab	LCS, rec	1/24/2018	Pesticide	Endrin	n/a	=	101	%	EPA 608	-88	-88	40	143	
2017/18-1	Lab	method blank	1/29/2018	Pesticide	Endrin	n/a	<	0.0028	µg/L	EPA 608	0.0028	0.01			
2017/18-1	Lab	LCS	1/29/2018	Pesticide	Endrin	n/a	=	0.113	µg/L	EPA 608	0.0028	0.01			
2017/18-1	Lab	LCS, rec	1/29/2018	Pesticide	Endrin	n/a	=	113	%	EPA 608	-88	-88	40	143	
2017/18-1	000NONPJ	matrix spike	1/24/2018	Pesticide	Endrin aldehyde	n/a	=	0.0801	µg/L	EPA 608	0.003	0.01			
2017/18-1	000NONPJ	matrix spike, rec	1/24/2018	Pesticide	Endrin aldehyde	n/a	=	80	%	EPA 608	-88	-88	11	113	
2017/18-1	000NONPJ	matrix spike dup	1/24/2018	Pesticide	Endrin aldehyde	n/a	=	0.0894	µg/L	EPA 608	0.003	0.01			
2017/18-1	000NONPJ	matrix spike dup, rec	1/24/2018	Pesticide	Endrin aldehyde	n/a	=	89	%	EPA 608	-88	-88	11	113	
2017/18-1	000NONPJ	matrix spike, RPD	1/24/2018	Pesticide	Endrin aldehyde	n/a	=	11	%	EPA 608	-88	-88	0	30	
2017/18-1	Lab	method blank	1/22/2018	Pesticide	Endrin aldehyde	n/a	<	0.003	µg/L	EPA 608	0.003	0.01			
2017/18-1	Lab	LCS	1/22/2018	Pesticide	Endrin aldehyde	n/a	=	0.0944	µg/L	EPA 608	0.003	0.01			
2017/18-1	Lab	LCS, rec	1/22/2018	Pesticide	Endrin aldehyde	n/a	=	94	%	EPA 608	-88	-88	18	136	
2017/18-1	Lab	LCS dup	1/22/2018	Pesticide	Endrin aldehyde	n/a	=	0.104	µg/L	EPA 608	0.003	0.01			
2017/18-1	Lab	LCS dup, rec	1/22/2018	Pesticide	Endrin aldehyde	n/a	=	104	%	EPA 608	-88	-88	18	136	
2017/18-1	Lab	LCS, RPD	1/22/2018	Pesticide	Endrin aldehyde	n/a	=	10	%	EPA 608	-88	-88	0	30	
2017/18-1	Lab	method blank	1/24/2018	Pesticide	Endrin aldehyde	n/a	<	0.003	µg/L	EPA 608	0.003	0.01			
2017/18-1	Lab	LCS	1/24/2018	Pesticide	Endrin aldehyde	n/a	=	0.0868	µg/L	EPA 608	0.003	0.01			
2017/18-1	Lab	LCS, rec	1/24/2018	Pesticide	Endrin aldehyde	n/a	=	87	%	EPA 608	-88	-88	18	136	
2017/18-1	Lab	method blank	1/29/2018	Pesticide	Endrin aldehyde	n/a	<	0.003	µg/L	EPA 608	0.003	0.01			
2017/18-1	Lab	LCS	1/29/2018	Pesticide	Endrin aldehyde	n/a	=	0.102	µg/L	EPA 608	0.003	0.01			
2017/18-1	Lab	LCS, rec	1/29/2018	Pesticide	Endrin aldehyde	n/a	=	102	%	EPA 608	-88	-88	18	136	
2017/18-1	Lab	method blank	1/23/2018	Pesticide	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1			
2017/18-1	Lab	LCS	1/23/2018	Pesticide	EPTC	n/a	=	5.26	µg/L	EPA 525.2	0.017	1			
2017/18-1	Lab	LCS, rec	1/23/2018	Pesticide	EPTC	n/a	=	105	%	EPA 525.2	-88	-88	70	130	
2017/18-1	Lab	LCS dup	1/23/2018	Pesticide	EPTC	n/a	=	5.33	µg/L	EPA 525.2	0.017	1			
2017/18-1	Lab	LCS dup, rec	1/23/2018	Pesticide	EPTC	n/a	=	107	%	EPA 525.2	-88	-88	70	130	
2017/18-1	Lab	LCS, RPD	1/23/2018	Pesticide	EPTC	n/a	=	1	%	EPA 525.2	-88	-88	0	30	
2017/18-1	000NONPJ	matrix spike	2/2/2018	Pesticide	Ethoprop	n/a	=	0.0515	µg/L	EPA 525.2m	0.0067	0.01			
2017/18-1	000NONPJ	matrix spike, rec	2/2/2018	Pesticide	Ethoprop	n/a	=	103	%	EPA 525.2m	-88	-88	51	167	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	000NONPJ	matrix spike dup	2/2/2018	Pesticide	Ethoprop	n/a	=	0.0659	µg/L	EPA 525.2m	0.0067	0.01			
2017/18-1	000NONPJ	matrix spike dup, rec	2/2/2018	Pesticide	Ethoprop	n/a	=	132	%	EPA 525.2m	-88	-88	51	167	
2017/18-1	000NONPJ	matrix spike, RPD	2/2/2018	Pesticide	Ethoprop	n/a	=	25	%	EPA 525.2m	-88	-88	0	30	
2017/18-1	Lab	method blank	1/30/2018	Pesticide	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01			
2017/18-1	Lab	LCS	1/30/2018	Pesticide	Ethoprop	n/a	=	0.0475	µg/L	EPA 525.2m	0.0067	0.01			
2017/18-1	Lab	LCS, rec	1/30/2018	Pesticide	Ethoprop	n/a	=	95	%	EPA 525.2m	-88	-88	53	163	
2017/18-1	Lab	method blank	2/2/2018	Pesticide	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01			
2017/18-1	Lab	LCS	2/2/2018	Pesticide	Ethoprop	n/a	=	0.0613	µg/L	EPA 525.2m	0.0067	0.01			
2017/18-1	Lab	LCS, rec	2/2/2018	Pesticide	Ethoprop	n/a	=	123	%	EPA 525.2m	-88	-88	53	163	
2017/18-1	MO-FIL	matrix spike dup	1/30/2018	Pesticide	Ethoprop	n/a	=	0.0609	µg/L	EPA 525.2m	0.0067	0.01			
2017/18-1	MO-FIL	matrix spike dup, rec	1/30/2018	Pesticide	Ethoprop	n/a	=	122	%	EPA 525.2m	-88	-88	51	167	
2017/18-1	MO-FIL	matrix spike, RPD	1/30/2018	Pesticide	Ethoprop	n/a	=	15	%	EPA 525.2m	-88	-88	0	30	
2017/18-1	MO-FIL	matrix spike	1/31/2018	Pesticide	Ethoprop	n/a	=	0.0711	µg/L	EPA 525.2m	0.0067	0.01			
2017/18-1	MO-FIL	matrix spike, rec	1/31/2018	Pesticide	Ethoprop	n/a	=	142	%	EPA 525.2m	-88	-88	51	167	
2017/18-1	000NONPJ	matrix spike	2/2/2018	Pesticide	Ethyl parathion	n/a	=	0.0522	µg/L	EPA 525.2m	0.0054	0.01			
2017/18-1	000NONPJ	matrix spike, rec	2/2/2018	Pesticide	Ethyl parathion	n/a	=	104	%	EPA 525.2m	-88	-88	5	229	
2017/18-1	000NONPJ	matrix spike dup	2/2/2018	Pesticide	Ethyl parathion	n/a	=	0.0606	µg/L	EPA 525.2m	0.0054	0.01			
2017/18-1	000NONPJ	matrix spike dup, rec	2/2/2018	Pesticide	Ethyl parathion	n/a	=	121	%	EPA 525.2m	-88	-88	5	229	
2017/18-1	000NONPJ	matrix spike, RPD	2/2/2018	Pesticide	Ethyl parathion	n/a	=	15	%	EPA 525.2m	-88	-88	0	30	
2017/18-1	Lab	method blank	1/30/2018	Pesticide	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01			
2017/18-1	Lab	LCS	1/30/2018	Pesticide	Ethyl parathion	n/a	=	0.046	µg/L	EPA 525.2m	0.0054	0.01			
2017/18-1	Lab	LCS, rec	1/30/2018	Pesticide	Ethyl parathion	n/a	=	92	%	EPA 525.2m	-88	-88	7	230	
2017/18-1	Lab	method blank	2/2/2018	Pesticide	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01			
2017/18-1	Lab	LCS	2/2/2018	Pesticide	Ethyl parathion	n/a	=	0.0756	µg/L	EPA 525.2m	0.0054	0.01			
2017/18-1	Lab	LCS, rec	2/2/2018	Pesticide	Ethyl parathion	n/a	=	151	%	EPA 525.2m	-88	-88	7	230	
2017/18-1	MO-FIL	matrix spike dup	1/30/2018	Pesticide	Ethyl parathion	n/a	=	0.0323	µg/L	EPA 525.2m	0.0054	0.01			
2017/18-1	MO-FIL	matrix spike dup, rec	1/30/2018	Pesticide	Ethyl parathion	n/a	=	65	%	EPA 525.2m	-88	-88	5	229	
2017/18-1	MO-FIL	matrix spike, RPD	1/30/2018	Pesticide	Ethyl parathion	n/a	=	12	%	EPA 525.2m	-88	-88	0	30	
2017/18-1	MO-FIL	matrix spike	1/31/2018	Pesticide	Ethyl parathion	n/a	=	0.0362	µg/L	EPA 525.2m	0.0054	0.01			
2017/18-1	MO-FIL	matrix spike, rec	1/31/2018	Pesticide	Ethyl parathion	n/a	=	72	%	EPA 525.2m	-88	-88	5	229	
2017/18-1	000NONPJ	matrix spike	2/2/2018	Pesticide	Fensulfothion	n/a	=	0.0294	µg/L	EPA 525.2m	0.0029	0.01			
2017/18-1	000NONPJ	matrix spike, rec	2/2/2018	Pesticide	Fensulfothion	n/a	=	59	%	EPA 525.2m	-88	-88	0.1	316	
2017/18-1	000NONPJ	matrix spike dup	2/2/2018	Pesticide	Fensulfothion	n/a	=	0.0344	µg/L	EPA 525.2m	0.0029	0.01			
2017/18-1	000NONPJ	matrix spike dup, rec	2/2/2018	Pesticide	Fensulfothion	n/a	=	69	%	EPA 525.2m	-88	-88	0.1	316	
2017/18-1	000NONPJ	matrix spike, RPD	2/2/2018	Pesticide	Fensulfothion	n/a	=	16	%	EPA 525.2m	-88	-88	0	30	
2017/18-1	Lab	method blank	1/30/2018	Pesticide	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01			
2017/18-1	Lab	LCS	1/30/2018	Pesticide	Fensulfothion	n/a	=	0.0384	µg/L	EPA 525.2m	0.0029	0.01			
2017/18-1	Lab	LCS, rec	1/30/2018	Pesticide	Fensulfothion	n/a	=	77	%	EPA 525.2m	-88	-88	0.1	265	
2017/18-1	Lab	method blank	2/2/2018	Pesticide	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01			
2017/18-1	Lab	LCS	2/2/2018	Pesticide	Fensulfothion	n/a	=	0.0356	µg/L	EPA 525.2m	0.0029	0.01			
2017/18-1	Lab	LCS, rec	2/2/2018	Pesticide	Fensulfothion	n/a	=	71	%	EPA 525.2m	-88	-88	0.1	265	
2017/18-1	MO-FIL	matrix spike dup	1/30/2018	Pesticide	Fensulfothion	n/a	=	0.0335	µg/L	EPA 525.2m	0.0029	0.01			
2017/18-1	MO-FIL	matrix spike dup, rec	1/30/2018	Pesticide	Fensulfothion	n/a	=	67	%	EPA 525.2m	-88	-88	0.1	316	
2017/18-1	MO-FIL	matrix spike, RPD	1/30/2018	Pesticide	Fensulfothion	n/a	=	78	%	EPA 525.2m	-88	-88	0	30	IL
2017/18-1	MO-FIL	matrix spike	1/31/2018	Pesticide	Fensulfothion	n/a	=	0.076	µg/L	EPA 525.2m	0.0029	0.01			
2017/18-1	MO-FIL	matrix spike, rec	1/31/2018	Pesticide	Fensulfothion	n/a	=	152	%	EPA 525.2m	-88	-88	0.1	316	
2017/18-1	000NONPJ	matrix spike	2/2/2018	Pesticide	Fenthion	n/a	=	0.0547	µg/L	EPA 525.2m	0.0038	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	000NONPJ	matrix spike, rec	2/2/2018	Pesticide	Fenthion	n/a	=	109	%	EPA 525.2m	-88	-88	23	169	
2017/18-1	000NONPJ	matrix spike dup	2/2/2018	Pesticide	Fenthion	n/a	=	0.0748	µg/L	EPA 525.2m	0.0038	0.01			
2017/18-1	000NONPJ	matrix spike dup, rec	2/2/2018	Pesticide	Fenthion	n/a	=	150	%	EPA 525.2m	-88	-88	23	169	
2017/18-1	000NONPJ	matrix spike, RPD	2/2/2018	Pesticide	Fenthion	n/a	=	31	%	EPA 525.2m	-88	-88	0	30	IL
2017/18-1	Lab	method blank	1/30/2018	Pesticide	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01			
2017/18-1	Lab	LCS	1/30/2018	Pesticide	Fenthion	n/a	=	0.0385	µg/L	EPA 525.2m	0.0038	0.01			
2017/18-1	Lab	LCS, rec	1/30/2018	Pesticide	Fenthion	n/a	=	77	%	EPA 525.2m	-88	-88	20	177	
2017/18-1	Lab	method blank	2/2/2018	Pesticide	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01			
2017/18-1	Lab	LCS	2/2/2018	Pesticide	Fenthion	n/a	=	0.0744	µg/L	EPA 525.2m	0.0038	0.01			
2017/18-1	Lab	LCS, rec	2/2/2018	Pesticide	Fenthion	n/a	=	149	%	EPA 525.2m	-88	-88	20	177	
2017/18-1	MO-FIL	matrix spike dup	1/30/2018	Pesticide	Fenthion	n/a	=	0.0635	µg/L	EPA 525.2m	0.0038	0.01			
2017/18-1	MO-FIL	matrix spike dup, rec	1/30/2018	Pesticide	Fenthion	n/a	=	127	%	EPA 525.2m	-88	-88	23	169	
2017/18-1	MO-FIL	matrix spike, RPD	1/30/2018	Pesticide	Fenthion	n/a	=	26	%	EPA 525.2m	-88	-88	0	30	
2017/18-1	MO-FIL	matrix spike	1/31/2018	Pesticide	Fenthion	n/a	=	0.0486	µg/L	EPA 525.2m	0.0038	0.01			
2017/18-1	MO-FIL	matrix spike, rec	1/31/2018	Pesticide	Fenthion	n/a	=	97	%	EPA 525.2m	-88	-88	23	169	
2017/18-1	000NONPJ	matrix spike	1/24/2018	Pesticide	gamma-BHC (Lindane)	n/a	=	0.0782	µg/L	EPA 608	0.0021	0.02			
2017/18-1	000NONPJ	matrix spike, rec	1/24/2018	Pesticide	gamma-BHC (Lindane)	n/a	=	78	%	EPA 608	-88	-88	33	112	
2017/18-1	000NONPJ	matrix spike dup	1/24/2018	Pesticide	gamma-BHC (Lindane)	n/a	=	0.0834	µg/L	EPA 608	0.0021	0.02			
2017/18-1	000NONPJ	matrix spike dup, rec	1/24/2018	Pesticide	gamma-BHC (Lindane)	n/a	=	83	%	EPA 608	-88	-88	33	112	
2017/18-1	000NONPJ	matrix spike, RPD	1/24/2018	Pesticide	gamma-BHC (Lindane)	n/a	=	6	%	EPA 608	-88	-88	0	30	
2017/18-1	Lab	method blank	1/22/2018	Pesticide	gamma-BHC (Lindane)	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.02			
2017/18-1	Lab	LCS	1/22/2018	Pesticide	gamma-BHC (Lindane)	n/a	=	0.0961	µg/L	EPA 608	0.0021	0.02			
2017/18-1	Lab	LCS, rec	1/22/2018	Pesticide	gamma-BHC (Lindane)	n/a	=	96	%	EPA 608	-88	-88	49	117	
2017/18-1	Lab	LCS dup	1/22/2018	Pesticide	gamma-BHC (Lindane)	n/a	=	0.0966	µg/L	EPA 608	0.0021	0.02			
2017/18-1	Lab	LCS dup, rec	1/22/2018	Pesticide	gamma-BHC (Lindane)	n/a	=	97	%	EPA 608	-88	-88	49	117	
2017/18-1	Lab	LCS, RPD	1/22/2018	Pesticide	gamma-BHC (Lindane)	n/a	=	0.5	%	EPA 608	-88	-88	0	30	
2017/18-1	Lab	method blank	1/24/2018	Pesticide	gamma-BHC (Lindane)	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.02			
2017/18-1	Lab	LCS	1/24/2018	Pesticide	gamma-BHC (Lindane)	n/a	=	0.0836	µg/L	EPA 608	0.0021	0.02			
2017/18-1	Lab	LCS, rec	1/24/2018	Pesticide	gamma-BHC (Lindane)	n/a	=	84	%	EPA 608	-88	-88	49	117	
2017/18-1	Lab	method blank	1/29/2018	Pesticide	gamma-BHC (Lindane)	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.02			
2017/18-1	Lab	LCS	1/29/2018	Pesticide	gamma-BHC (Lindane)	n/a	=	0.095	µg/L	EPA 608	0.0021	0.02			
2017/18-1	Lab	LCS, rec	1/29/2018	Pesticide	gamma-BHC (Lindane)	n/a	=	95	%	EPA 608	-88	-88	49	117	
2017/18-1	000NONPJ	matrix spike	1/10/2018	Pesticide	Glyphosate	n/a	=	15.4	µg/L	EPA 547	1.8	5			
2017/18-1	000NONPJ	matrix spike, rec	1/10/2018	Pesticide	Glyphosate	n/a	=	62	%	EPA 547	-88	-88	41	149	
2017/18-1	000NONPJ	matrix spike dup	1/10/2018	Pesticide	Glyphosate	n/a	=	21.4	µg/L	EPA 547	1.8	5			
2017/18-1	000NONPJ	matrix spike dup, rec	1/10/2018	Pesticide	Glyphosate	n/a	=	85	%	EPA 547	-88	-88	41	149	
2017/18-1	000NONPJ	matrix spike, RPD	1/10/2018	Pesticide	Glyphosate	n/a	=	32	%	EPA 547	-88	-88	0	30	IL
2017/18-1	000NONPJ	matrix spike	1/11/2018	Pesticide	Glyphosate	n/a	=	15.7	µg/L	EPA 547	1.8	5			
2017/18-1	000NONPJ	matrix spike, rec	1/11/2018	Pesticide	Glyphosate	n/a	=	63	%	EPA 547	-88	-88	41	149	
2017/18-1	000NONPJ	matrix spike dup	1/11/2018	Pesticide	Glyphosate	n/a	=	24.8	µg/L	EPA 547	1.8	5			
2017/18-1	000NONPJ	matrix spike dup, rec	1/11/2018	Pesticide	Glyphosate	n/a	=	99	%	EPA 547	-88	-88	41	149	
2017/18-1	000NONPJ	matrix spike, RPD	1/11/2018	Pesticide	Glyphosate	n/a	=	45	%	EPA 547	-88	-88	0	30	IL
2017/18-1	000NONPJ	matrix spike	1/11/2018	Pesticide	Glyphosate	n/a	=	30.8	µg/L	EPA 547	1.8	5			
2017/18-1	000NONPJ	matrix spike, rec	1/11/2018	Pesticide	Glyphosate	n/a	=	102	%	EPA 547	-88	-88	41	149	
2017/18-1	000NONPJ	matrix spike dup	1/11/2018	Pesticide	Glyphosate	n/a	=	30.5	µg/L	EPA 547	1.8	5			
2017/18-1	000NONPJ	matrix spike dup, rec	1/11/2018	Pesticide	Glyphosate	n/a	=	101	%	EPA 547	-88	-88	41	149	
2017/18-1	000NONPJ	matrix spike, RPD	1/11/2018	Pesticide	Glyphosate	n/a	=	1	%	EPA 547	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	Lab	method blank	1/10/2018	Pesticide	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5			
2017/18-1	Lab	LCS	1/10/2018	Pesticide	Glyphosate	n/a	=	20	µg/L	EPA 547	1.8	5			
2017/18-1	Lab	LCS, rec	1/10/2018	Pesticide	Glyphosate	n/a	=	80	%	EPA 547	-88	-88	62	130	
2017/18-1	Lab	method blank	1/11/2018	Pesticide	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5			
2017/18-1	Lab	LCS	1/11/2018	Pesticide	Glyphosate	n/a	=	22.6	µg/L	EPA 547	1.8	5			
2017/18-1	Lab	LCS, rec	1/11/2018	Pesticide	Glyphosate	n/a	=	90	%	EPA 547	-88	-88	62	130	
2017/18-1	ME-SCR	matrix spike	1/10/2018	Pesticide	Glyphosate	n/a	=	25	µg/L	EPA 547	1.8	5			
2017/18-1	ME-SCR	matrix spike, rec	1/10/2018	Pesticide	Glyphosate	n/a	=	100	%	EPA 547	-88	-88	41	149	
2017/18-1	ME-SCR	matrix spike dup	1/10/2018	Pesticide	Glyphosate	n/a	=	24.6	µg/L	EPA 547	1.8	5			
2017/18-1	ME-SCR	matrix spike dup, rec	1/10/2018	Pesticide	Glyphosate	n/a	=	98	%	EPA 547	-88	-88	41	149	
2017/18-1	ME-SCR	matrix spike, RPD	1/10/2018	Pesticide	Glyphosate	n/a	=	2	%	EPA 547	-88	-88	0	30	
2017/18-1	000NONPJ	matrix spike	1/24/2018	Pesticide	Heptachlor	n/a	=	0.0795	µg/L	EPA 608	0.0017	0.01			
2017/18-1	000NONPJ	matrix spike, rec	1/24/2018	Pesticide	Heptachlor	n/a	=	79	%	EPA 608	-88	-88	28	131	
2017/18-1	000NONPJ	matrix spike dup	1/24/2018	Pesticide	Heptachlor	n/a	=	0.084	µg/L	EPA 608	0.0017	0.01			
2017/18-1	000NONPJ	matrix spike dup, rec	1/24/2018	Pesticide	Heptachlor	n/a	=	84	%	EPA 608	-88	-88	28	131	
2017/18-1	000NONPJ	matrix spike, RPD	1/24/2018	Pesticide	Heptachlor	n/a	=	5	%	EPA 608	-88	-88	0	30	
2017/18-1	Lab	method blank	1/22/2018	Pesticide	Heptachlor	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.01			
2017/18-1	Lab	LCS	1/22/2018	Pesticide	Heptachlor	n/a	=	0.0949	µg/L	EPA 608	0.0017	0.01			
2017/18-1	Lab	LCS, rec	1/22/2018	Pesticide	Heptachlor	n/a	=	95	%	EPA 608	-88	-88	31	130	
2017/18-1	Lab	LCS dup	1/22/2018	Pesticide	Heptachlor	n/a	=	0.0961	µg/L	EPA 608	0.0017	0.01			
2017/18-1	Lab	LCS dup, rec	1/22/2018	Pesticide	Heptachlor	n/a	=	96	%	EPA 608	-88	-88	31	130	
2017/18-1	Lab	LCS, RPD	1/22/2018	Pesticide	Heptachlor	n/a	=	1	%	EPA 608	-88	-88	0	30	
2017/18-1	Lab	method blank	1/24/2018	Pesticide	Heptachlor	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.01			
2017/18-1	Lab	LCS	1/24/2018	Pesticide	Heptachlor	n/a	=	0.0814	µg/L	EPA 608	0.0017	0.01			
2017/18-1	Lab	LCS, rec	1/24/2018	Pesticide	Heptachlor	n/a	=	81	%	EPA 608	-88	-88	31	130	
2017/18-1	Lab	method blank	1/29/2018	Pesticide	Heptachlor	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.01			
2017/18-1	Lab	LCS	1/29/2018	Pesticide	Heptachlor	n/a	=	0.0925	µg/L	EPA 608	0.0017	0.01			
2017/18-1	Lab	LCS, rec	1/29/2018	Pesticide	Heptachlor	n/a	=	92	%	EPA 608	-88	-88	31	130	
2017/18-1	000NONPJ	matrix spike	1/24/2018	Pesticide	Heptachlor epoxide	n/a	=	0.0864	µg/L	EPA 608	0.0019	0.01			
2017/18-1	000NONPJ	matrix spike, rec	1/24/2018	Pesticide	Heptachlor epoxide	n/a	=	86	%	EPA 608	-88	-88	36	117	
2017/18-1	000NONPJ	matrix spike dup	1/24/2018	Pesticide	Heptachlor epoxide	n/a	=	0.0898	µg/L	EPA 608	0.0019	0.01			
2017/18-1	000NONPJ	matrix spike dup, rec	1/24/2018	Pesticide	Heptachlor epoxide	n/a	=	90	%	EPA 608	-88	-88	36	117	
2017/18-1	000NONPJ	matrix spike, RPD	1/24/2018	Pesticide	Heptachlor epoxide	n/a	=	4	%	EPA 608	-88	-88	0	30	
2017/18-1	Lab	method blank	1/22/2018	Pesticide	Heptachlor epoxide	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01			
2017/18-1	Lab	LCS	1/22/2018	Pesticide	Heptachlor epoxide	n/a	=	0.0978	µg/L	EPA 608	0.0019	0.01			
2017/18-1	Lab	LCS, rec	1/22/2018	Pesticide	Heptachlor epoxide	n/a	=	98	%	EPA 608	-88	-88	49	122	
2017/18-1	Lab	LCS dup	1/22/2018	Pesticide	Heptachlor epoxide	n/a	=	0.101	µg/L	EPA 608	0.0019	0.01			
2017/18-1	Lab	LCS dup, rec	1/22/2018	Pesticide	Heptachlor epoxide	n/a	=	101	%	EPA 608	-88	-88	49	122	
2017/18-1	Lab	LCS, RPD	1/22/2018	Pesticide	Heptachlor epoxide	n/a	=	3	%	EPA 608	-88	-88	0	30	
2017/18-1	Lab	method blank	1/24/2018	Pesticide	Heptachlor epoxide	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01			
2017/18-1	Lab	LCS	1/24/2018	Pesticide	Heptachlor epoxide	n/a	=	0.0879	µg/L	EPA 608	0.0019	0.01			
2017/18-1	Lab	LCS, rec	1/24/2018	Pesticide	Heptachlor epoxide	n/a	=	88	%	EPA 608	-88	-88	49	122	
2017/18-1	Lab	method blank	1/29/2018	Pesticide	Heptachlor epoxide	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01			
2017/18-1	Lab	LCS	1/29/2018	Pesticide	Heptachlor epoxide	n/a	=	0.102	µg/L	EPA 608	0.0019	0.01			
2017/18-1	Lab	LCS, rec	1/29/2018	Pesticide	Heptachlor epoxide	n/a	=	102	%	EPA 608	-88	-88	49	122	
2017/18-1	000NONPJ	matrix spike	2/2/2018	Pesticide	Malathion	n/a	=	0.0581	µg/L	EPA 525.2m	0.0076	0.01			
2017/18-1	000NONPJ	matrix spike, rec	2/2/2018	Pesticide	Malathion	n/a	=	116	%	EPA 525.2m	-88	-88	6	184	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	000NONPJ	matrix spike dup	2/2/2018	Pesticide	Malathion	n/a	=	0.0919	µg/L	EPA 525.2m	0.0076	0.01			
2017/18-1	000NONPJ	matrix spike dup, rec	2/2/2018	Pesticide	Malathion	n/a	=	184	%	EPA 525.2m	-88	-88	6	184	
2017/18-1	000NONPJ	matrix spike, RPD	2/2/2018	Pesticide	Malathion	n/a	=	45	%	EPA 525.2m	-88	-88	0	30	IL
2017/18-1	Lab	method blank	1/30/2018	Pesticide	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01			
2017/18-1	Lab	LCS	1/30/2018	Pesticide	Malathion	n/a	=	0.0524	µg/L	EPA 525.2m	0.0076	0.01			
2017/18-1	Lab	LCS, rec	1/30/2018	Pesticide	Malathion	n/a	=	105	%	EPA 525.2m	-88	-88	14	175	
2017/18-1	Lab	method blank	2/2/2018	Pesticide	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01			
2017/18-1	Lab	LCS	2/2/2018	Pesticide	Malathion	n/a	=	0.0862	µg/L	EPA 525.2m	0.0076	0.01			
2017/18-1	Lab	LCS, rec	2/2/2018	Pesticide	Malathion	n/a	=	172	%	EPA 525.2m	-88	-88	14	175	
2017/18-1	MO-FIL	matrix spike dup	1/30/2018	Pesticide	Malathion	n/a	=	0.0488	µg/L	EPA 525.2m	0.0076	0.01			
2017/18-1	MO-FIL	matrix spike dup, rec	1/30/2018	Pesticide	Malathion	n/a	=	98	%	EPA 525.2m	-88	-88	6	184	
2017/18-1	MO-FIL	matrix spike, RPD	1/30/2018	Pesticide	Malathion	n/a	=	3	%	EPA 525.2m	-88	-88	0	30	
2017/18-1	MO-FIL	matrix spike	1/31/2018	Pesticide	Malathion	n/a	=	0.0472	µg/L	EPA 525.2m	0.0076	0.01			
2017/18-1	MO-FIL	matrix spike, rec	1/31/2018	Pesticide	Malathion	n/a	=	94	%	EPA 525.2m	-88	-88	6	184	
2017/18-1	000NONPJ	matrix spike	2/2/2018	Pesticide	Merphos	n/a	=	0.0517	µg/L	EPA 525.2m	0.0058	0.01			
2017/18-1	000NONPJ	matrix spike, rec	2/2/2018	Pesticide	Merphos	n/a	=	103	%	EPA 525.2m	-88	-88	3	210	
2017/18-1	000NONPJ	matrix spike dup	2/2/2018	Pesticide	Merphos	n/a	=	0.0345	µg/L	EPA 525.2m	0.0058	0.01			
2017/18-1	000NONPJ	matrix spike dup, rec	2/2/2018	Pesticide	Merphos	n/a	=	69	%	EPA 525.2m	-88	-88	3	210	
2017/18-1	000NONPJ	matrix spike, RPD	2/2/2018	Pesticide	Merphos	n/a	=	40	%	EPA 525.2m	-88	-88	0	30	IL
2017/18-1	Lab	method blank	1/30/2018	Pesticide	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01			
2017/18-1	Lab	LCS	1/30/2018	Pesticide	Merphos	n/a	=	0.0375	µg/L	EPA 525.2m	0.0058	0.01			
2017/18-1	Lab	LCS, rec	1/30/2018	Pesticide	Merphos	n/a	=	75	%	EPA 525.2m	-88	-88	28	181	
2017/18-1	Lab	method blank	2/2/2018	Pesticide	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01			
2017/18-1	Lab	LCS	2/2/2018	Pesticide	Merphos	n/a	=	0.0464	µg/L	EPA 525.2m	0.0058	0.01			
2017/18-1	Lab	LCS, rec	2/2/2018	Pesticide	Merphos	n/a	=	93	%	EPA 525.2m	-88	-88	28	181	
2017/18-1	MO-FIL	matrix spike dup	1/30/2018	Pesticide	Merphos	n/a	=	0.0248	µg/L	EPA 525.2m	0.0058	0.01			
2017/18-1	MO-FIL	matrix spike dup, rec	1/30/2018	Pesticide	Merphos	n/a	=	50	%	EPA 525.2m	-88	-88	3	210	
2017/18-1	MO-FIL	matrix spike, RPD	1/30/2018	Pesticide	Merphos	n/a	=	42	%	EPA 525.2m	-88	-88	0	30	IL
2017/18-1	MO-FIL	matrix spike	1/31/2018	Pesticide	Merphos	n/a	=	0.0378	µg/L	EPA 525.2m	0.0058	0.01			
2017/18-1	MO-FIL	matrix spike, rec	1/31/2018	Pesticide	Merphos	n/a	=	76	%	EPA 525.2m	-88	-88	3	210	
2017/18-1	000NONPJ	matrix spike	2/2/2018	Pesticide	Methyl parathion	n/a	=	0.0477	µg/L	EPA 525.2m	0.0063	0.01			
2017/18-1	000NONPJ	matrix spike, rec	2/2/2018	Pesticide	Methyl parathion	n/a	=	95	%	EPA 525.2m	-88	-88	0.1	249	
2017/18-1	000NONPJ	matrix spike dup	2/2/2018	Pesticide	Methyl parathion	n/a	=	0.0656	µg/L	EPA 525.2m	0.0063	0.01			
2017/18-1	000NONPJ	matrix spike dup, rec	2/2/2018	Pesticide	Methyl parathion	n/a	=	131	%	EPA 525.2m	-88	-88	0.1	249	
2017/18-1	000NONPJ	matrix spike, RPD	2/2/2018	Pesticide	Methyl parathion	n/a	=	32	%	EPA 525.2m	-88	-88	0	30	IL
2017/18-1	Lab	method blank	1/30/2018	Pesticide	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01			
2017/18-1	Lab	LCS	1/30/2018	Pesticide	Methyl parathion	n/a	=	0.0515	µg/L	EPA 525.2m	0.0063	0.01			
2017/18-1	Lab	LCS, rec	1/30/2018	Pesticide	Methyl parathion	n/a	=	103	%	EPA 525.2m	-88	-88	0.1	252	
2017/18-1	Lab	method blank	2/2/2018	Pesticide	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01			
2017/18-1	Lab	LCS	2/2/2018	Pesticide	Methyl parathion	n/a	=	0.0745	µg/L	EPA 525.2m	0.0063	0.01			
2017/18-1	Lab	LCS, rec	2/2/2018	Pesticide	Methyl parathion	n/a	=	149	%	EPA 525.2m	-88	-88	0.1	252	
2017/18-1	MO-FIL	matrix spike dup	1/30/2018	Pesticide	Methyl parathion	n/a	=	0.0362	µg/L	EPA 525.2m	0.0063	0.01			
2017/18-1	MO-FIL	matrix spike dup, rec	1/30/2018	Pesticide	Methyl parathion	n/a	=	72	%	EPA 525.2m	-88	-88	0.1	249	
2017/18-1	MO-FIL	matrix spike, RPD	1/30/2018	Pesticide	Methyl parathion	n/a	=	2	%	EPA 525.2m	-88	-88	0	30	
2017/18-1	MO-FIL	matrix spike	1/31/2018	Pesticide	Methyl parathion	n/a	=	0.0356	µg/L	EPA 525.2m	0.0063	0.01			
2017/18-1	MO-FIL	matrix spike, rec	1/31/2018	Pesticide	Methyl parathion	n/a	=	71	%	EPA 525.2m	-88	-88	0.1	249	
2017/18-1	Lab	method blank	1/23/2018	Pesticide	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	Lab	LCS	1/23/2018	Pesticide	Metolachlor	n/a	=	5.03	µg/L	EPA 525.2	0.012	0.1			
2017/18-1	Lab	LCS, rec	1/23/2018	Pesticide	Metolachlor	n/a	=	101	%	EPA 525.2	-88	-88	60	130	
2017/18-1	Lab	LCS dup	1/23/2018	Pesticide	Metolachlor	n/a	=	4.72	µg/L	EPA 525.2	0.012	0.1			
2017/18-1	Lab	LCS dup, rec	1/23/2018	Pesticide	Metolachlor	n/a	=	94	%	EPA 525.2	-88	-88	60	130	
2017/18-1	Lab	LCS, RPD	1/23/2018	Pesticide	Metolachlor	n/a	=	6	%	EPA 525.2	-88	-88	0	30	
2017/18-1	Lab	method blank	1/23/2018	Pesticide	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2017/18-1	Lab	LCS	1/23/2018	Pesticide	Metribuzin	n/a	=	4.86	µg/L	EPA 525.2	0.015	0.1			
2017/18-1	Lab	LCS, rec	1/23/2018	Pesticide	Metribuzin	n/a	=	97	%	EPA 525.2	-88	-88	50	120	
2017/18-1	Lab	LCS dup	1/23/2018	Pesticide	Metribuzin	n/a	=	4.45	µg/L	EPA 525.2	0.015	0.1			
2017/18-1	Lab	LCS dup, rec	1/23/2018	Pesticide	Metribuzin	n/a	=	89	%	EPA 525.2	-88	-88	50	120	
2017/18-1	Lab	LCS, RPD	1/23/2018	Pesticide	Metribuzin	n/a	=	9	%	EPA 525.2	-88	-88	0	30	
2017/18-1	000NONPJ	matrix spike	2/2/2018	Pesticide	Mevinphos	n/a	=	0.0469	µg/L	EPA 525.2m	0.0042	0.01			
2017/18-1	000NONPJ	matrix spike, rec	2/2/2018	Pesticide	Mevinphos	n/a	=	94	%	EPA 525.2m	-88	-88	25	189	
2017/18-1	000NONPJ	matrix spike dup	2/2/2018	Pesticide	Mevinphos	n/a	=	0.0588	µg/L	EPA 525.2m	0.0042	0.01			
2017/18-1	000NONPJ	matrix spike dup, rec	2/2/2018	Pesticide	Mevinphos	n/a	=	118	%	EPA 525.2m	-88	-88	25	189	
2017/18-1	000NONPJ	matrix spike, RPD	2/2/2018	Pesticide	Mevinphos	n/a	=	22	%	EPA 525.2m	-88	-88	0	30	
2017/18-1	Lab	method blank	1/30/2018	Pesticide	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01			
2017/18-1	Lab	LCS	1/30/2018	Pesticide	Mevinphos	n/a	=	0.0409	µg/L	EPA 525.2m	0.0042	0.01			
2017/18-1	Lab	LCS, rec	1/30/2018	Pesticide	Mevinphos	n/a	=	82	%	EPA 525.2m	-88	-88	14	202	
2017/18-1	Lab	method blank	2/2/2018	Pesticide	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01			
2017/18-1	Lab	LCS	2/2/2018	Pesticide	Mevinphos	n/a	=	0.0572	µg/L	EPA 525.2m	0.0042	0.01			
2017/18-1	Lab	LCS, rec	2/2/2018	Pesticide	Mevinphos	n/a	=	114	%	EPA 525.2m	-88	-88	14	202	
2017/18-1	MO-FIL	matrix spike dup	1/30/2018	Pesticide	Mevinphos	n/a	=	0.0845	µg/L	EPA 525.2m	0.0042	0.01			
2017/18-1	MO-FIL	matrix spike dup, rec	1/30/2018	Pesticide	Mevinphos	n/a	=	169	%	EPA 525.2m	-88	-88	25	189	
2017/18-1	MO-FIL	matrix spike, RPD	1/30/2018	Pesticide	Mevinphos	n/a	=	28	%	EPA 525.2m	-88	-88	0	30	
2017/18-1	MO-FIL	matrix spike	1/31/2018	Pesticide	Mevinphos	n/a	=	0.112	µg/L	EPA 525.2m	0.0042	0.01			GB
2017/18-1	MO-FIL	matrix spike, rec	1/31/2018	Pesticide	Mevinphos	n/a	=	224	%	EPA 525.2m	-88	-88	25	189	GB
2017/18-1	Lab	method blank	1/23/2018	Pesticide	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1			
2017/18-1	Lab	LCS	1/23/2018	Pesticide	Molinate	n/a	=	4.96	µg/L	EPA 525.2	0.039	0.1			
2017/18-1	Lab	LCS, rec	1/23/2018	Pesticide	Molinate	n/a	=	99	%	EPA 525.2	-88	-88	70	130	
2017/18-1	Lab	LCS dup	1/23/2018	Pesticide	Molinate	n/a	=	5.06	µg/L	EPA 525.2	0.039	0.1			
2017/18-1	Lab	LCS dup, rec	1/23/2018	Pesticide	Molinate	n/a	=	101	%	EPA 525.2	-88	-88	70	130	
2017/18-1	Lab	LCS, RPD	1/23/2018	Pesticide	Molinate	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2017/18-1	000NONPJ	matrix spike	2/2/2018	Pesticide	Naled	n/a	=	0.0336	µg/L	EPA 525.2m	0.0076	0.01			
2017/18-1	000NONPJ	matrix spike, rec	2/2/2018	Pesticide	Naled	n/a	=	67	%	EPA 525.2m	-88	-88	0.1	242	
2017/18-1	000NONPJ	matrix spike dup	2/2/2018	Pesticide	Naled	n/a	=	0.0494	µg/L	EPA 525.2m	0.0076	0.01			
2017/18-1	000NONPJ	matrix spike dup, rec	2/2/2018	Pesticide	Naled	n/a	=	99	%	EPA 525.2m	-88	-88	0.1	242	
2017/18-1	000NONPJ	matrix spike, RPD	2/2/2018	Pesticide	Naled	n/a	=	38	%	EPA 525.2m	-88	-88	0	30	IL
2017/18-1	Lab	method blank	1/30/2018	Pesticide	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01			
2017/18-1	Lab	LCS	1/30/2018	Pesticide	Naled	n/a	=	0.044	µg/L	EPA 525.2m	0.0076	0.01			
2017/18-1	Lab	LCS, rec	1/30/2018	Pesticide	Naled	n/a	=	88	%	EPA 525.2m	-88	-88	0.1	240	
2017/18-1	Lab	method blank	2/2/2018	Pesticide	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01			
2017/18-1	Lab	LCS	2/2/2018	Pesticide	Naled	n/a	=	0.0425	µg/L	EPA 525.2m	0.0076	0.01			
2017/18-1	Lab	LCS, rec	2/2/2018	Pesticide	Naled	n/a	=	85	%	EPA 525.2m	-88	-88	0.1	240	
2017/18-1	MO-FIL	matrix spike dup	1/30/2018	Pesticide	Naled	n/a	=	0.0521	µg/L	EPA 525.2m	0.0076	0.01			
2017/18-1	MO-FIL	matrix spike dup, rec	1/30/2018	Pesticide	Naled	n/a	=	104	%	EPA 525.2m	-88	-88	0.1	242	
2017/18-1	MO-FIL	matrix spike, RPD	1/30/2018	Pesticide	Naled	n/a	=	15	%	EPA 525.2m	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	MO-FIL	matrix spike	1/31/2018	Pesticide	Naled	n/a	=	0.0604	µg/L	EPA 525.2m	0.0076	0.01			
2017/18-1	MO-FIL	matrix spike, rec	1/31/2018	Pesticide	Naled	n/a	=	121	%	EPA 525.2m	-88	-88	0.1	242	
2017/18-1	000NONPJ	matrix spike	1/12/2018	Pesticide	Pentachlorophenol	n/a	=	4	µg/L	EPA 515.3	0.04	0.2			
2017/18-1	000NONPJ	matrix spike, rec	1/12/2018	Pesticide	Pentachlorophenol	n/a	=	100	%	EPA 515.3	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike dup	1/12/2018	Pesticide	Pentachlorophenol	n/a	=	4.17	µg/L	EPA 515.3	0.04	0.2			
2017/18-1	000NONPJ	matrix spike dup, rec	1/12/2018	Pesticide	Pentachlorophenol	n/a	=	104	%	EPA 515.3	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike, RPD	1/12/2018	Pesticide	Pentachlorophenol	n/a	=	4	%	EPA 515.3	-88	-88	0	30	
2017/18-1	000NONPJ	matrix spike	1/12/2018	Pesticide	Pentachlorophenol	n/a	=	4.15	µg/L	EPA 515.3	0.04	0.2			
2017/18-1	000NONPJ	matrix spike, rec	1/12/2018	Pesticide	Pentachlorophenol	n/a	=	104	%	EPA 515.3	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike dup	1/12/2018	Pesticide	Pentachlorophenol	n/a	=	4.34	µg/L	EPA 515.3	0.04	0.2			
2017/18-1	000NONPJ	matrix spike dup, rec	1/12/2018	Pesticide	Pentachlorophenol	n/a	=	108	%	EPA 515.3	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike, RPD	1/12/2018	Pesticide	Pentachlorophenol	n/a	=	4	%	EPA 515.3	-88	-88	0	30	
2017/18-1	000NONPJ	matrix spike	1/25/2018	Pesticide	Pentachlorophenol	n/a	=	15	µg/L	EPA 625	0.19	1			
2017/18-1	000NONPJ	matrix spike, rec	1/25/2018	Pesticide	Pentachlorophenol	n/a	=	60	%	EPA 625	-88	-88	14	176	
2017/18-1	000NONPJ	matrix spike dup	1/25/2018	Pesticide	Pentachlorophenol	n/a	=	19.1	µg/L	EPA 625	0.19	1			
2017/18-1	000NONPJ	matrix spike dup, rec	1/25/2018	Pesticide	Pentachlorophenol	n/a	=	77	%	EPA 625	-88	-88	14	176	
2017/18-1	000NONPJ	matrix spike, RPD	1/25/2018	Pesticide	Pentachlorophenol	n/a	=	24	%	EPA 625	-88	-88	0	30	
2017/18-1	Lab	method blank	1/12/2018	Pesticide	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2			
2017/18-1	Lab	LCS	1/12/2018	Pesticide	Pentachlorophenol	n/a	=	4.27	µg/L	EPA 515.3	0.04	0.2			
2017/18-1	Lab	LCS, rec	1/12/2018	Pesticide	Pentachlorophenol	n/a	=	107	%	EPA 515.3	-88	-88	70	130	
2017/18-1	Lab	method blank	1/15/2018	Pesticide	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2017/18-1	Lab	LCS	1/15/2018	Pesticide	Pentachlorophenol	n/a	=	14.5	µg/L	EPA 625	0.19	1			
2017/18-1	Lab	LCS, rec	1/15/2018	Pesticide	Pentachlorophenol	n/a	=	58	%	EPA 625	-88	-88	14	176	
2017/18-1	Lab	LCS dup	1/15/2018	Pesticide	Pentachlorophenol	n/a	=	23.7	µg/L	EPA 625	0.19	1			
2017/18-1	Lab	LCS dup, rec	1/15/2018	Pesticide	Pentachlorophenol	n/a	=	95	%	EPA 625	-88	-88	14	176	
2017/18-1	Lab	LCS, RPD	1/15/2018	Pesticide	Pentachlorophenol	n/a	=	48	%	EPA 625	-88	-88	0	30	IL
2017/18-1	Lab	method blank	1/25/2018	Pesticide	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2017/18-1	Lab	LCS	1/25/2018	Pesticide	Pentachlorophenol	n/a	=	20.2	µg/L	EPA 625	0.19	1			
2017/18-1	Lab	LCS, rec	1/25/2018	Pesticide	Pentachlorophenol	n/a	=	81	%	EPA 625	-88	-88	14	176	
2017/18-1	Lab	method blank	1/29/2018	Pesticide	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1			
2017/18-1	Lab	LCS	1/29/2018	Pesticide	Pentachlorophenol	n/a	=	22.6	µg/L	EPA 8270C	0.15	1			
2017/18-1	Lab	LCS, rec	1/29/2018	Pesticide	Pentachlorophenol	n/a	=	90	%	EPA 8270C	-88	-88	29	106	
2017/18-1	Lab	LCS dup	1/29/2018	Pesticide	Pentachlorophenol	n/a	=	19.2	µg/L	EPA 8270C	0.15	1			
2017/18-1	Lab	LCS dup, rec	1/29/2018	Pesticide	Pentachlorophenol	n/a	=	77	%	EPA 8270C	-88	-88	29	106	
2017/18-1	Lab	LCS, RPD	1/29/2018	Pesticide	Pentachlorophenol	n/a	=	16	%	EPA 8270C	-88	-88	0	30	
2017/18-1	000NONPJ	matrix spike	2/2/2018	Pesticide	Phorate	n/a	=	0.0475	µg/L	EPA 525.2m	0.003	0.01			
2017/18-1	000NONPJ	matrix spike, rec	2/2/2018	Pesticide	Phorate	n/a	=	95	%	EPA 525.2m	-88	-88	31	181	
2017/18-1	000NONPJ	matrix spike dup	2/2/2018	Pesticide	Phorate	n/a	=	0.0555	µg/L	EPA 525.2m	0.003	0.01			
2017/18-1	000NONPJ	matrix spike dup, rec	2/2/2018	Pesticide	Phorate	n/a	=	111	%	EPA 525.2m	-88	-88	31	181	
2017/18-1	000NONPJ	matrix spike, RPD	2/2/2018	Pesticide	Phorate	n/a	=	16	%	EPA 525.2m	-88	-88	0	30	
2017/18-1	Lab	method blank	1/30/2018	Pesticide	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01			
2017/18-1	Lab	LCS	1/30/2018	Pesticide	Phorate	n/a	=	0.0459	µg/L	EPA 525.2m	0.003	0.01			
2017/18-1	Lab	LCS, rec	1/30/2018	Pesticide	Phorate	n/a	=	92	%	EPA 525.2m	-88	-88	26	180	
2017/18-1	Lab	method blank	2/2/2018	Pesticide	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01			
2017/18-1	Lab	LCS	2/2/2018	Pesticide	Phorate	n/a	=	0.0556	µg/L	EPA 525.2m	0.003	0.01			
2017/18-1	Lab	LCS, rec	2/2/2018	Pesticide	Phorate	n/a	=	111	%	EPA 525.2m	-88	-88	26	180	
2017/18-1	MO-FIL	matrix spike dup	1/30/2018	Pesticide	Phorate	n/a	=	0.0414	µg/L	EPA 525.2m	0.003	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	MO-FIL	matrix spike dup, rec	1/30/2018	Pesticide	Phorate	n/a	=	83	%	EPA 525.2m	-88	-88	31	181	
2017/18-1	MO-FIL	matrix spike, RPD	1/30/2018	Pesticide	Phorate	n/a	=	14	%	EPA 525.2m	-88	-88	0	30	
2017/18-1	MO-FIL	matrix spike	1/31/2018	Pesticide	Phorate	n/a	=	0.0477	µg/L	EPA 525.2m	0.003	0.01			
2017/18-1	MO-FIL	matrix spike, rec	1/31/2018	Pesticide	Phorate	n/a	=	95	%	EPA 525.2m	-88	-88	31	181	
2017/18-1	000NONPJ	matrix spike	1/12/2018	Pesticide	Picloram	n/a	=	4.5	µg/L	EPA 515.3	0.05	0.6			
2017/18-1	000NONPJ	matrix spike, rec	1/12/2018	Pesticide	Picloram	n/a	=	113	%	EPA 515.3	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike dup	1/12/2018	Pesticide	Picloram	n/a	=	4.21	µg/L	EPA 515.3	0.05	0.6			
2017/18-1	000NONPJ	matrix spike dup, rec	1/12/2018	Pesticide	Picloram	n/a	=	105	%	EPA 515.3	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike, RPD	1/12/2018	Pesticide	Picloram	n/a	=	7	%	EPA 515.3	-88	-88	0	30	
2017/18-1	000NONPJ	matrix spike	1/12/2018	Pesticide	Picloram	n/a	=	4.49	µg/L	EPA 515.3	0.05	0.6			
2017/18-1	000NONPJ	matrix spike, rec	1/12/2018	Pesticide	Picloram	n/a	=	112	%	EPA 515.3	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike dup	1/12/2018	Pesticide	Picloram	n/a	=	4.66	µg/L	EPA 515.3	0.05	0.6			
2017/18-1	000NONPJ	matrix spike dup, rec	1/12/2018	Pesticide	Picloram	n/a	=	117	%	EPA 515.3	-88	-88	70	130	
2017/18-1	000NONPJ	matrix spike, RPD	1/12/2018	Pesticide	Picloram	n/a	=	4	%	EPA 515.3	-88	-88	0	30	
2017/18-1	Lab	method blank	1/12/2018	Pesticide	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6			
2017/18-1	Lab	LCS	1/12/2018	Pesticide	Picloram	n/a	=	4.2	µg/L	EPA 515.3	0.05	0.6			
2017/18-1	Lab	LCS, rec	1/12/2018	Pesticide	Picloram	n/a	=	105	%	EPA 515.3	-88	-88	70	130	
2017/18-1	Lab	method blank	1/23/2018	Pesticide	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2017/18-1	Lab	LCS	1/23/2018	Pesticide	Prometon	n/a	=	2.66	µg/L	EPA 525.2	0.024	0.2			
2017/18-1	Lab	LCS, rec	1/23/2018	Pesticide	Prometon	n/a	=	53	%	EPA 525.2	-88	-88	15	120	
2017/18-1	Lab	LCS dup	1/23/2018	Pesticide	Prometon	n/a	=	1.81	µg/L	EPA 525.2	0.024	0.2			
2017/18-1	Lab	LCS dup, rec	1/23/2018	Pesticide	Prometon	n/a	=	36	%	EPA 525.2	-88	-88	15	120	
2017/18-1	Lab	LCS, RPD	1/23/2018	Pesticide	Prometon	n/a	=	38	%	EPA 525.2	-88	-88	0	30	IL
2017/18-1	Lab	method blank	1/23/2018	Pesticide	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1			
2017/18-1	Lab	LCS	1/23/2018	Pesticide	Prometryn	n/a	=	4.36	µg/L	EPA 525.2	0.036	0.1			
2017/18-1	Lab	LCS, rec	1/23/2018	Pesticide	Prometryn	n/a	=	87	%	EPA 525.2	-88	-88	30	120	
2017/18-1	Lab	LCS dup	1/23/2018	Pesticide	Prometryn	n/a	=	3.99	µg/L	EPA 525.2	0.036	0.1			
2017/18-1	Lab	LCS dup, rec	1/23/2018	Pesticide	Prometryn	n/a	=	80	%	EPA 525.2	-88	-88	30	120	
2017/18-1	Lab	LCS, RPD	1/23/2018	Pesticide	Prometryn	n/a	=	9	%	EPA 525.2	-88	-88	0	30	
2017/18-1	000NONPJ	matrix spike	2/2/2018	Pesticide	Ronnel (Fenchlorphos)	n/a	=	0.0479	µg/L	EPA 525.2m	0.0041	0.01			
2017/18-1	000NONPJ	matrix spike, rec	2/2/2018	Pesticide	Ronnel (Fenchlorphos)	n/a	=	96	%	EPA 525.2m	-88	-88	29	153	
2017/18-1	000NONPJ	matrix spike dup	2/2/2018	Pesticide	Ronnel (Fenchlorphos)	n/a	=	0.0599	µg/L	EPA 525.2m	0.0041	0.01			
2017/18-1	000NONPJ	matrix spike dup, rec	2/2/2018	Pesticide	Ronnel (Fenchlorphos)	n/a	=	120	%	EPA 525.2m	-88	-88	29	153	
2017/18-1	000NONPJ	matrix spike, RPD	2/2/2018	Pesticide	Ronnel (Fenchlorphos)	n/a	=	22	%	EPA 525.2m	-88	-88	0	30	
2017/18-1	Lab	method blank	1/30/2018	Pesticide	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01			
2017/18-1	Lab	LCS	1/30/2018	Pesticide	Ronnel (Fenchlorphos)	n/a	=	0.0438	µg/L	EPA 525.2m	0.0041	0.01			
2017/18-1	Lab	LCS, rec	1/30/2018	Pesticide	Ronnel (Fenchlorphos)	n/a	=	88	%	EPA 525.2m	-88	-88	34	154	
2017/18-1	Lab	method blank	2/2/2018	Pesticide	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01			
2017/18-1	Lab	LCS	2/2/2018	Pesticide	Ronnel (Fenchlorphos)	n/a	=	0.0602	µg/L	EPA 525.2m	0.0041	0.01			
2017/18-1	Lab	LCS, rec	2/2/2018	Pesticide	Ronnel (Fenchlorphos)	n/a	=	120	%	EPA 525.2m	-88	-88	34	154	
2017/18-1	MO-FIL	matrix spike dup	1/30/2018	Pesticide	Ronnel (Fenchlorphos)	n/a	=	0.0428	µg/L	EPA 525.2m	0.0041	0.01			
2017/18-1	MO-FIL	matrix spike dup, rec	1/30/2018	Pesticide	Ronnel (Fenchlorphos)	n/a	=	86	%	EPA 525.2m	-88	-88	29	153	
2017/18-1	MO-FIL	matrix spike, RPD	1/30/2018	Pesticide	Ronnel (Fenchlorphos)	n/a	=	38	%	EPA 525.2m	-88	-88	0	30	IL
2017/18-1	MO-FIL	matrix spike	1/31/2018	Pesticide	Ronnel (Fenchlorphos)	n/a	=	0.029	µg/L	EPA 525.2m	0.0041	0.01			
2017/18-1	MO-FIL	matrix spike, rec	1/31/2018	Pesticide	Ronnel (Fenchlorphos)	n/a	=	58	%	EPA 525.2m	-88	-88	29	153	
2017/18-1	Lab	method blank	1/23/2018	Pesticide	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2017/18-1	Lab	LCS	1/23/2018	Pesticide	Simazine	n/a	=	4.93	µg/L	EPA 525.2	0.015	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	Lab	LCS, rec	1/23/2018	Pesticide	Simazine	n/a	=	99	%	EPA 525.2	-88	-88	60	130	
2017/18-1	Lab	LCS dup	1/23/2018	Pesticide	Simazine	n/a	=	4.46	µg/L	EPA 525.2	0.015	0.1			
2017/18-1	Lab	LCS dup, rec	1/23/2018	Pesticide	Simazine	n/a	=	89	%	EPA 525.2	-88	-88	60	130	
2017/18-1	Lab	LCS, RPD	1/23/2018	Pesticide	Simazine	n/a	=	10	%	EPA 525.2	-88	-88	0	30	
2017/18-1	000NONPJ	matrix spike	2/2/2018	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.065	µg/L	EPA 525.2m	0.0031	0.01			
2017/18-1	000NONPJ	matrix spike, rec	2/2/2018	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	130	%	EPA 525.2m	-88	-88	0.1	167	
2017/18-1	000NONPJ	matrix spike dup	2/2/2018	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0812	µg/L	EPA 525.2m	0.0031	0.01			
2017/18-1	000NONPJ	matrix spike dup, rec	2/2/2018	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	162	%	EPA 525.2m	-88	-88	0.1	167	
2017/18-1	000NONPJ	matrix spike, RPD	2/2/2018	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	22	%	EPA 525.2m	-88	-88	0	30	
2017/18-1	Lab	method blank	1/30/2018	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01			
2017/18-1	Lab	LCS	1/30/2018	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0513	µg/L	EPA 525.2m	0.0031	0.01			
2017/18-1	Lab	LCS, rec	1/30/2018	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	103	%	EPA 525.2m	-88	-88	0.1	188	
2017/18-1	Lab	method blank	2/2/2018	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01			
2017/18-1	Lab	LCS	2/2/2018	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0989	µg/L	EPA 525.2m	0.0031	0.01			
2017/18-1	Lab	LCS, rec	2/2/2018	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	198	%	EPA 525.2m	-88	-88	0.1	188	
2017/18-1	MO-FIL	matrix spike dup	1/30/2018	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0449	µg/L	EPA 525.2m	0.0031	0.01			
2017/18-1	MO-FIL	matrix spike dup, rec	1/30/2018	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	90	%	EPA 525.2m	-88	-88	0.1	167	
2017/18-1	MO-FIL	matrix spike, RPD	1/30/2018	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	11	%	EPA 525.2m	-88	-88	0	30	
2017/18-1	MO-FIL	matrix spike	1/31/2018	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0403	µg/L	EPA 525.2m	0.0031	0.01			
2017/18-1	MO-FIL	matrix spike, rec	1/31/2018	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	81	%	EPA 525.2m	-88	-88	0.1	167	
2017/18-1	Lab	method blank	1/23/2018	Pesticide	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2			
2017/18-1	Lab	LCS	1/23/2018	Pesticide	Terbacil	n/a	=	5.37	µg/L	EPA 525.2	0.55	2			
2017/18-1	Lab	LCS, rec	1/23/2018	Pesticide	Terbacil	n/a	=	107	%	EPA 525.2	-88	-88	70	130	
2017/18-1	Lab	LCS dup	1/23/2018	Pesticide	Terbacil	n/a	=	5.77	µg/L	EPA 525.2	0.55	2			
2017/18-1	Lab	LCS dup, rec	1/23/2018	Pesticide	Terbacil	n/a	=	115	%	EPA 525.2	-88	-88	70	130	
2017/18-1	Lab	LCS, RPD	1/23/2018	Pesticide	Terbacil	n/a	=	7	%	EPA 525.2	-88	-88	0	30	
2017/18-1	Lab	method blank	1/23/2018	Pesticide	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2			
2017/18-1	Lab	LCS	1/23/2018	Pesticide	Thiobencarb	n/a	=	4.9	µg/L	EPA 525.2	0.025	0.2			
2017/18-1	Lab	LCS, rec	1/23/2018	Pesticide	Thiobencarb	n/a	=	98	%	EPA 525.2	-88	-88	70	130	
2017/18-1	Lab	LCS dup	1/23/2018	Pesticide	Thiobencarb	n/a	=	4.6	µg/L	EPA 525.2	0.025	0.2			
2017/18-1	Lab	LCS dup, rec	1/23/2018	Pesticide	Thiobencarb	n/a	=	92	%	EPA 525.2	-88	-88	70	130	
2017/18-1	Lab	LCS, RPD	1/23/2018	Pesticide	Thiobencarb	n/a	=	6	%	EPA 525.2	-88	-88	0	30	
2017/18-1	000NONPJ	matrix spike	2/2/2018	Pesticide	Tokuthion	n/a	=	0.0339	µg/L	EPA 525.2m	0.0078	0.01			
2017/18-1	000NONPJ	matrix spike, rec	2/2/2018	Pesticide	Tokuthion	n/a	=	68	%	EPA 525.2m	-88	-88	27	160	
2017/18-1	000NONPJ	matrix spike dup	2/2/2018	Pesticide	Tokuthion	n/a	=	0.0295	µg/L	EPA 525.2m	0.0078	0.01			
2017/18-1	000NONPJ	matrix spike dup, rec	2/2/2018	Pesticide	Tokuthion	n/a	=	59	%	EPA 525.2m	-88	-88	27	160	
2017/18-1	000NONPJ	matrix spike, RPD	2/2/2018	Pesticide	Tokuthion	n/a	=	14	%	EPA 525.2m	-88	-88	0	30	
2017/18-1	Lab	method blank	1/30/2018	Pesticide	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01			
2017/18-1	Lab	LCS	1/30/2018	Pesticide	Tokuthion	n/a	=	0.0426	µg/L	EPA 525.2m	0.0078	0.01			
2017/18-1	Lab	LCS, rec	1/30/2018	Pesticide	Tokuthion	n/a	=	85	%	EPA 525.2m	-88	-88	23	159	
2017/18-1	Lab	method blank	2/2/2018	Pesticide	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01			
2017/18-1	Lab	LCS	2/2/2018	Pesticide	Tokuthion	n/a	=	0.0324	µg/L	EPA 525.2m	0.0078	0.01			
2017/18-1	Lab	LCS, rec	2/2/2018	Pesticide	Tokuthion	n/a	=	65	%	EPA 525.2m	-88	-88	23	159	
2017/18-1	MO-FIL	matrix spike dup	1/30/2018	Pesticide	Tokuthion	n/a	=	0.0308	µg/L	EPA 525.2m	0.0078	0.01			
2017/18-1	MO-FIL	matrix spike dup, rec	1/30/2018	Pesticide	Tokuthion	n/a	=	62	%	EPA 525.2m	-88	-88	27	160	
2017/18-1	MO-FIL	matrix spike, RPD	1/30/2018	Pesticide	Tokuthion	n/a	=	22	%	EPA 525.2m	-88	-88	0	30	
2017/18-1	MO-FIL	matrix spike	1/31/2018	Pesticide	Tokuthion	n/a	=	0.0246	µg/L	EPA 525.2m	0.0078	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-1	MO-FIL	matrix spike, rec	1/31/2018	Pesticide	Tokuthion	n/a	=	49	%	EPA 525.2m	-88	-88	27	160	
2017/18-1	000NONPJ	matrix spike	2/2/2018	Pesticide	Trichloronate	n/a	=	0.0505	µg/L	EPA 525.2m	0.0067	0.01			
2017/18-1	000NONPJ	matrix spike, rec	2/2/2018	Pesticide	Trichloronate	n/a	=	101	%	EPA 525.2m	-88	-88	40	150	
2017/18-1	000NONPJ	matrix spike dup	2/2/2018	Pesticide	Trichloronate	n/a	=	0.0595	µg/L	EPA 525.2m	0.0067	0.01			
2017/18-1	000NONPJ	matrix spike dup, rec	2/2/2018	Pesticide	Trichloronate	n/a	=	119	%	EPA 525.2m	-88	-88	40	150	
2017/18-1	000NONPJ	matrix spike, RPD	2/2/2018	Pesticide	Trichloronate	n/a	=	16	%	EPA 525.2m	-88	-88	0	30	
2017/18-1	Lab	method blank	1/30/2018	Pesticide	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01			
2017/18-1	Lab	LCS	1/30/2018	Pesticide	Trichloronate	n/a	=	0.0442	µg/L	EPA 525.2m	0.0067	0.01			
2017/18-1	Lab	LCS, rec	1/30/2018	Pesticide	Trichloronate	n/a	=	88	%	EPA 525.2m	-88	-88	34	153	
2017/18-1	Lab	method blank	2/2/2018	Pesticide	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01			
2017/18-1	Lab	LCS	2/2/2018	Pesticide	Trichloronate	n/a	=	0.065	µg/L	EPA 525.2m	0.0067	0.01			
2017/18-1	Lab	LCS, rec	2/2/2018	Pesticide	Trichloronate	n/a	=	130	%	EPA 525.2m	-88	-88	34	153	
2017/18-1	MO-FIL	matrix spike dup	1/30/2018	Pesticide	Trichloronate	n/a	=	0.0376	µg/L	EPA 525.2m	0.0067	0.01			
2017/18-1	MO-FIL	matrix spike dup, rec	1/30/2018	Pesticide	Trichloronate	n/a	=	75	%	EPA 525.2m	-88	-88	40	150	
2017/18-1	MO-FIL	matrix spike, RPD	1/30/2018	Pesticide	Trichloronate	n/a	=	62	%	EPA 525.2m	-88	-88	0	30	IL
2017/18-1	MO-FIL	matrix spike	1/31/2018	Pesticide	Trichloronate	n/a	=	0.0197	µg/L	EPA 525.2m	0.0067	0.01			GB
2017/18-1	MO-FIL	matrix spike, rec	1/31/2018	Pesticide	Trichloronate	n/a	=	39	%	EPA 525.2m	-88	-88	40	150	GB
2017/18-1	Lab	method blank	1/23/2018	Pesticide	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2017/18-1	Lab	LCS	1/23/2018	Pesticide	Trithion	n/a	=	5.22	µg/L	EPA 525.2	0.012	0.1			
2017/18-1	Lab	LCS, rec	1/23/2018	Pesticide	Trithion	n/a	=	104	%	EPA 525.2	-88	-88	70	130	
2017/18-1	Lab	LCS dup	1/23/2018	Pesticide	Trithion	n/a	=	5.25	µg/L	EPA 525.2	0.012	0.1			
2017/18-1	Lab	LCS dup, rec	1/23/2018	Pesticide	Trithion	n/a	=	105	%	EPA 525.2	-88	-88	70	130	
2017/18-1	Lab	LCS, RPD	1/23/2018	Pesticide	Trithion	n/a	=	0.5	%	EPA 525.2	-88	-88	0	30	
2017/18-2	Lab	LCS	3/15/2018	Anion	Chloride	n/a	=	9.99	mg/L	EPA 300.0	0.1	0.5			
2017/18-2	Lab	LCS, rec	3/15/2018	Anion	Chloride	n/a	=	100	%	EPA 300.0	-88	-88	90	110	
2017/18-2	Lab	method blank	3/15/2018	Anion	Chloride	n/a	<	0.1	mg/L	EPA 300.0	0.1	0.5			
2017/18-2	MO-MEI	matrix spike	3/15/2018	Anion	Chloride	n/a	=	136	mg/L	EPA 300.0	1	5			
2017/18-2	MO-MEI	matrix spike dup	3/15/2018	Anion	Chloride	n/a	=	136	mg/L	EPA 300.0	1	5			
2017/18-2	MO-MEI	matrix spike dup, rec	3/15/2018	Anion	Chloride	n/a	=	100	%	EPA 300.0	-88	-88	76	118	
2017/18-2	MO-MEI	matrix spike, rec	3/15/2018	Anion	Chloride	n/a	=	100	%	EPA 300.0	-88	-88	76	118	
2017/18-2	MO-MEI	matrix spike, RPD	3/15/2018	Anion	Chloride	n/a	=	0.1	%	EPA 300.0	-88	-88	0	20	
2017/18-2	MO-OJA	matrix spike	3/15/2018	Anion	Chloride	n/a	=	104	mg/L	EPA 300.0	1	5			
2017/18-2	MO-OJA	matrix spike dup	3/15/2018	Anion	Chloride	n/a	=	104	mg/L	EPA 300.0	1	5			
2017/18-2	MO-OJA	matrix spike dup, rec	3/15/2018	Anion	Chloride	n/a	=	101	%	EPA 300.0	-88	-88	76	118	
2017/18-2	MO-OJA	matrix spike, rec	3/15/2018	Anion	Chloride	n/a	=	101	%	EPA 300.0	-88	-88	76	118	
2017/18-2	MO-OJA	matrix spike, RPD	3/15/2018	Anion	Chloride	n/a	=	0.5	%	EPA 300.0	-88	-88	0	20	
2017/18-2	Lab	LCS	3/15/2018	Anion	Fluoride	n/a	=	1	mg/L	EPA 300.0	0.02	0.1			
2017/18-2	Lab	LCS, rec	3/15/2018	Anion	Fluoride	n/a	=	98	%	EPA 300.0	-88	-88	90	110	
2017/18-2	Lab	method blank	3/15/2018	Anion	Fluoride	n/a	<	0.02	mg/L	EPA 300.0	0.02	0.1			
2017/18-2	MO-MEI	matrix spike	3/15/2018	Anion	Fluoride	n/a	=	9.87	mg/L	EPA 300.0	0.2	1			
2017/18-2	MO-MEI	matrix spike dup	3/15/2018	Anion	Fluoride	n/a	=	10.1	mg/L	EPA 300.0	0.2	1			
2017/18-2	MO-MEI	matrix spike dup, rec	3/15/2018	Anion	Fluoride	n/a	=	99	%	EPA 300.0	-88	-88	86	107	
2017/18-2	MO-MEI	matrix spike, rec	3/15/2018	Anion	Fluoride	n/a	=	97	%	EPA 300.0	-88	-88	86	107	
2017/18-2	MO-MEI	matrix spike, RPD	3/15/2018	Anion	Fluoride	n/a	=	2	%	EPA 300.0	-88	-88	0	20	
2017/18-2	MO-OJA	matrix spike	3/15/2018	Anion	Fluoride	n/a	=	10	mg/L	EPA 300.0	0.2	1			
2017/18-2	MO-OJA	matrix spike dup	3/15/2018	Anion	Fluoride	n/a	=	9.99	mg/L	EPA 300.0	0.2	1			
2017/18-2	MO-OJA	matrix spike dup, rec	3/15/2018	Anion	Fluoride	n/a	=	98	%	EPA 300.0	-88	-88	86	107	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-2	MO-OJA	matrix spike, rec	3/15/2018	Anion	Fluoride	n/a	=	98	%	EPA 300.0	-88	-88	86	107	
2017/18-2	MO-OJA	matrix spike, RPD	3/15/2018	Anion	Fluoride	n/a	=	0.2	%	EPA 300.0	-88	-88	0	20	
2017/18-2	000NONPJ	matrix spike	3/4/2018	Anion	Perchlorate	n/a	=	11.8	µg/L	EPA 314.0	0.95	2			
2017/18-2	000NONPJ	matrix spike, rec	3/4/2018	Anion	Perchlorate	n/a	=	106	%	EPA 314.0	-88	-88	80	120	
2017/18-2	000NONPJ	matrix spike dup	3/4/2018	Anion	Perchlorate	n/a	=	11.6	µg/L	EPA 314.0	0.95	2			
2017/18-2	000NONPJ	matrix spike dup, rec	3/4/2018	Anion	Perchlorate	n/a	=	103	%	EPA 314.0	-88	-88	80	120	
2017/18-2	000NONPJ	matrix spike, RPD	3/4/2018	Anion	Perchlorate	n/a	=	2	%	EPA 314.0	-88	-88	0	15	
2017/18-2	000NONPJ	matrix spike	3/5/2018	Anion	Perchlorate	n/a	=	9.8	µg/L	EPA 314.0	0.95	2			
2017/18-2	000NONPJ	matrix spike, rec	3/5/2018	Anion	Perchlorate	n/a	=	98	%	EPA 314.0	-88	-88	80	120	
2017/18-2	000NONPJ	matrix spike dup	3/5/2018	Anion	Perchlorate	n/a	=	10.2	µg/L	EPA 314.0	0.95	2			
2017/18-2	000NONPJ	matrix spike dup, rec	3/5/2018	Anion	Perchlorate	n/a	=	102	%	EPA 314.0	-88	-88	80	120	
2017/18-2	000NONPJ	matrix spike, RPD	3/5/2018	Anion	Perchlorate	n/a	=	4	%	EPA 314.0	-88	-88	0	15	
2017/18-2	Lab	method blank	3/4/2018	Anion	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2			
2017/18-2	Lab	LCS	3/4/2018	Anion	Perchlorate	n/a	=	9.97	µg/L	EPA 314.0	0.95	2			
2017/18-2	Lab	LCS, rec	3/4/2018	Anion	Perchlorate	n/a	=	100	%	EPA 314.0	-88	-88	85	115	
2017/18-2	Lab	method blank	3/5/2018	Anion	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2			
2017/18-2	Lab	LCS	3/5/2018	Anion	Perchlorate	n/a	=	10.4	µg/L	EPA 314.0	0.95	2			
2017/18-2	Lab	LCS, rec	3/5/2018	Anion	Perchlorate	n/a	=	104	%	EPA 314.0	-88	-88	85	115	
2017/18-2	Lab	LCS	3/15/2018	Anion	Sulfate	Total	=	10.4	mg/L	EPA 300.0	0.1	0.5			
2017/18-2	Lab	LCS, rec	3/15/2018	Anion	Sulfate	Total	=	104	%	EPA 300.0	-88	-88	90	110	
2017/18-2	Lab	method blank	3/15/2018	Anion	Sulfate	Total	<	0.1	mg/L	EPA 300.0	0.1	0.5			
2017/18-2	MO-MEI	matrix spike	3/15/2018	Anion	Sulfate	Total	=	116	mg/L	EPA 300.0	1	5			
2017/18-2	MO-MEI	matrix spike dup	3/15/2018	Anion	Sulfate	Total	=	116	mg/L	EPA 300.0	1	5			
2017/18-2	MO-MEI	matrix spike dup, rec	3/15/2018	Anion	Sulfate	Total	=	104	%	EPA 300.0	-88	-88	78	111	
2017/18-2	MO-MEI	matrix spike, rec	3/15/2018	Anion	Sulfate	Total	=	103	%	EPA 300.0	-88	-88	78	111	
2017/18-2	MO-MEI	matrix spike, RPD	3/15/2018	Anion	Sulfate	Total	=	0.2	%	EPA 300.0	-88	-88	0	20	
2017/18-2	MO-OJA	matrix spike	3/15/2018	Anion	Sulfate	Total	=	110	mg/L	EPA 300.0	1	5			
2017/18-2	MO-OJA	matrix spike dup	3/15/2018	Anion	Sulfate	Total	=	109	mg/L	EPA 300.0	1	5			
2017/18-2	MO-OJA	matrix spike dup, rec	3/15/2018	Anion	Sulfate	Total	=	105	%	EPA 300.0	-88	-88	78	111	
2017/18-2	MO-OJA	matrix spike, rec	3/15/2018	Anion	Sulfate	Total	=	106	%	EPA 300.0	-88	-88	78	111	
2017/18-2	MO-OJA	matrix spike, RPD	3/15/2018	Anion	Sulfate	Total	=	0.4	%	EPA 300.0	-88	-88	0	20	
2017/18-2	MO-CAM	field duplicate	3/3/2018	Bacteriological	E. Coli	n/a	=	7701	MPN/100 mL	MMO-MUG	10	10	-88	-88	
2017/18-2	MO-THO	field blank	3/3/2018	Bacteriological	E. Coli	n/a	<	10	MPN/100 mL	MMO-MUG	10	10	-88	42	
2017/18-2	MO-CAM	field duplicate	3/4/2018	Bacteriological	Fecal Coliform	n/a	=	4600	MPN/100 mL	SM 9221 E	2	2	-88	-88	
2017/18-2	MO-THO	field blank	3/4/2018	Bacteriological	Fecal Coliform	n/a	<	1.8	MPN/100 mL	SM 9221 E	1.8	1.8	-88	98	
2017/18-2	MO-CAM	field duplicate	3/3/2018	Bacteriological	Total Coliform	n/a	=	24196	MPN/100 mL	MMO-MUG	10	10	-88	-88	
2017/18-2	MO-THO	field blank	3/3/2018	Bacteriological	Total Coliform	n/a	<	10	MPN/100 mL	MMO-MUG	10	10	-88	1034	
2017/18-2	000NONPJ	matrix spike	3/14/2018	Cation	Calcium	Total	=	135	mg/L	EPA 200.7	0.016	0.1			
2017/18-2	000NONPJ	matrix spike, rec	3/14/2018	Cation	Calcium	Total	=	98	%	EPA 200.7	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike dup	3/14/2018	Cation	Calcium	Total	=	135	mg/L	EPA 200.7	0.016	0.1			
2017/18-2	000NONPJ	matrix spike dup, rec	3/14/2018	Cation	Calcium	Total	=	99	%	EPA 200.7	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike, RPD	3/14/2018	Cation	Calcium	Total	=	0.3	%	EPA 200.7	-88	-88	0	30	
2017/18-2	Lab	method blank	3/14/2018	Cation	Calcium	Total	<	0.016	mg/L	EPA 200.7	0.016	0.1			
2017/18-2	Lab	LCS	3/14/2018	Cation	Calcium	Total	=	52	mg/L	EPA 200.7	0.016	0.1			
2017/18-2	Lab	LCS, rec	3/14/2018	Cation	Calcium	Total	=	104	%	EPA 200.7	-88	-88	85	115	
2017/18-2	Lab	method blank	3/19/2018	Cation	Calcium	Total	<	0.016	mg/L	EPA 200.7	0.016	0.1			
2017/18-2	Lab	LCS	3/19/2018	Cation	Calcium	Total	=	46	mg/L	EPA 200.7	0.016	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-2	Lab	LCS, rec	3/19/2018	Cation	Calcium	Total	=	92	%	EPA 200.7	-88	-88	85	115	
2017/18-2	ME-CC	matrix spike	3/19/2018	Cation	Calcium	Total	=	104	mg/L	EPA 200.7	0.016	0.1			
2017/18-2	ME-CC	matrix spike, rec	3/19/2018	Cation	Calcium	Total	=	95	%	EPA 200.7	-88	-88	70	130	
2017/18-2	ME-CC	matrix spike dup	3/19/2018	Cation	Calcium	Total	=	100	mg/L	EPA 200.7	0.016	0.1			
2017/18-2	ME-CC	matrix spike dup, rec	3/19/2018	Cation	Calcium	Total	=	88	%	EPA 200.7	-88	-88	70	130	
2017/18-2	ME-CC	matrix spike, RPD	3/19/2018	Cation	Calcium	Total	=	3	%	EPA 200.7	-88	-88	0	30	
2017/18-2	ME-SCR	matrix spike	3/19/2018	Cation	Calcium	Total	=	344	mg/L	EPA 200.7	0.032	0.2			
2017/18-2	ME-SCR	matrix spike, rec	3/19/2018	Cation	Calcium	Total	=	79	%	EPA 200.7	-88	-88	70	130	
2017/18-2	ME-SCR	matrix spike dup	3/19/2018	Cation	Calcium	Total	=	342	mg/L	EPA 200.7	0.032	0.2			
2017/18-2	ME-SCR	matrix spike dup, rec	3/19/2018	Cation	Calcium	Total	=	77	%	EPA 200.7	-88	-88	70	130	
2017/18-2	ME-SCR	matrix spike, RPD	3/19/2018	Cation	Calcium	Total	=	0.5	%	EPA 200.7	-88	-88	0	30	
2017/18-2	000NONPJ	matrix spike	3/14/2018	Cation	Magnesium	Total	=	67.7	mg/L	EPA 200.7	0.012	0.1			
2017/18-2	000NONPJ	matrix spike, rec	3/14/2018	Cation	Magnesium	Total	=	99	%	EPA 200.7	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike dup	3/14/2018	Cation	Magnesium	Total	=	68.1	mg/L	EPA 200.7	0.012	0.1			
2017/18-2	000NONPJ	matrix spike dup, rec	3/14/2018	Cation	Magnesium	Total	=	99	%	EPA 200.7	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike, RPD	3/14/2018	Cation	Magnesium	Total	=	0.6	%	EPA 200.7	-88	-88	0	30	
2017/18-2	Lab	method blank	3/14/2018	Cation	Magnesium	Total	<	0.012	mg/L	EPA 200.7	0.012	0.1			
2017/18-2	Lab	LCS	3/14/2018	Cation	Magnesium	Total	=	49.7	mg/L	EPA 200.7	0.012	0.1			
2017/18-2	Lab	LCS, rec	3/14/2018	Cation	Magnesium	Total	=	99	%	EPA 200.7	-88	-88	85	115	
2017/18-2	Lab	method blank	3/19/2018	Cation	Magnesium	Total	<	0.012	mg/L	EPA 200.7	0.012	0.1			
2017/18-2	Lab	LCS	3/19/2018	Cation	Magnesium	Total	=	44.5	mg/L	EPA 200.7	0.012	0.1			
2017/18-2	Lab	LCS, rec	3/19/2018	Cation	Magnesium	Total	=	89	%	EPA 200.7	-88	-88	85	115	
2017/18-2	ME-CC	matrix spike	3/19/2018	Cation	Magnesium	Total	=	80.6	mg/L	EPA 200.7	0.012	0.1			
2017/18-2	ME-CC	matrix spike, rec	3/19/2018	Cation	Magnesium	Total	=	95	%	EPA 200.7	-88	-88	70	130	
2017/18-2	ME-CC	matrix spike dup	3/19/2018	Cation	Magnesium	Total	=	77.9	mg/L	EPA 200.7	0.012	0.1			
2017/18-2	ME-CC	matrix spike dup, rec	3/19/2018	Cation	Magnesium	Total	=	90	%	EPA 200.7	-88	-88	70	130	
2017/18-2	ME-CC	matrix spike, RPD	3/19/2018	Cation	Magnesium	Total	=	3	%	EPA 200.7	-88	-88	0	30	
2017/18-2	ME-SCR	matrix spike	3/19/2018	Cation	Magnesium	Total	=	214	mg/L	EPA 200.7	0.024	0.2			
2017/18-2	ME-SCR	matrix spike, rec	3/19/2018	Cation	Magnesium	Total	=	85	%	EPA 200.7	-88	-88	70	130	
2017/18-2	ME-SCR	matrix spike dup	3/19/2018	Cation	Magnesium	Total	=	212	mg/L	EPA 200.7	0.024	0.2			
2017/18-2	ME-SCR	matrix spike dup, rec	3/19/2018	Cation	Magnesium	Total	=	83	%	EPA 200.7	-88	-88	70	130	
2017/18-2	ME-SCR	matrix spike, RPD	3/19/2018	Cation	Magnesium	Total	=	1	%	EPA 200.7	-88	-88	0	30	
2017/18-2	000NONPJ	matrix spike	3/14/2018	Cation	Potassium	Total	=	64.5	mg/L	EPA 200.7	0.081	0.1			
2017/18-2	000NONPJ	matrix spike, rec	3/14/2018	Cation	Potassium	Total	=	109	%	EPA 200.7	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike dup	3/14/2018	Cation	Potassium	Total	=	64.8	mg/L	EPA 200.7	0.081	0.1			
2017/18-2	000NONPJ	matrix spike dup, rec	3/14/2018	Cation	Potassium	Total	=	110	%	EPA 200.7	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike, RPD	3/14/2018	Cation	Potassium	Total	=	0.6	%	EPA 200.7	-88	-88	0	30	
2017/18-2	Lab	method blank	3/14/2018	Cation	Potassium	Total	<	0.081	mg/L	EPA 200.7	0.081	0.1			
2017/18-2	Lab	LCS	3/14/2018	Cation	Potassium	Total	=	52.9	mg/L	EPA 200.7	0.081	0.1			
2017/18-2	Lab	LCS, rec	3/14/2018	Cation	Potassium	Total	=	105	%	EPA 200.7	-88	-88	85	115	
2017/18-2	Lab	method blank	3/19/2018	Cation	Potassium	Total	<	0.081	mg/L	EPA 200.7	0.081	0.1			
2017/18-2	Lab	LCS	3/19/2018	Cation	Potassium	Total	=	47.6	mg/L	EPA 200.7	0.081	0.1			
2017/18-2	Lab	LCS, rec	3/19/2018	Cation	Potassium	Total	=	95	%	EPA 200.7	-88	-88	85	115	
2017/18-2	ME-CC	matrix spike	3/19/2018	Cation	Potassium	Total	=	63.8	mg/L	EPA 200.7	0.081	0.1			
2017/18-2	ME-CC	matrix spike, rec	3/19/2018	Cation	Potassium	Total	=	104	%	EPA 200.7	-88	-88	70	130	
2017/18-2	ME-CC	matrix spike dup	3/19/2018	Cation	Potassium	Total	=	62.3	mg/L	EPA 200.7	0.081	0.1			
2017/18-2	ME-CC	matrix spike dup, rec	3/19/2018	Cation	Potassium	Total	=	101	%	EPA 200.7	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-2	ME-CC	matrix spike, RPD	3/19/2018	Cation	Potassium	Total	=	2	%	EPA 200.7	-88	-88	0	30	
2017/18-2	ME-SCR	matrix spike	3/19/2018	Cation	Potassium	Total	=	127	mg/L	EPA 200.7	0.16	0.2			
2017/18-2	ME-SCR	matrix spike, rec	3/19/2018	Cation	Potassium	Total	=	98	%	EPA 200.7	-88	-88	70	130	
2017/18-2	ME-SCR	matrix spike dup	3/19/2018	Cation	Potassium	Total	=	125	mg/L	EPA 200.7	0.16	0.2			
2017/18-2	ME-SCR	matrix spike dup, rec	3/19/2018	Cation	Potassium	Total	=	96	%	EPA 200.7	-88	-88	70	130	
2017/18-2	ME-SCR	matrix spike, RPD	3/19/2018	Cation	Potassium	Total	=	1	%	EPA 200.7	-88	-88	0	30	
2017/18-2	000NONPJ	matrix spike	3/14/2018	Cation	Sodium	Total	=	141	mg/L	EPA 200.7	0.015	0.5			
2017/18-2	000NONPJ	matrix spike, rec	3/14/2018	Cation	Sodium	Total	=	102	%	EPA 200.7	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike dup	3/14/2018	Cation	Sodium	Total	=	141	mg/L	EPA 200.7	0.015	0.5			
2017/18-2	000NONPJ	matrix spike dup, rec	3/14/2018	Cation	Sodium	Total	=	102	%	EPA 200.7	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike, RPD	3/14/2018	Cation	Sodium	Total	=	0.02	%	EPA 200.7	-88	-88	0	30	
2017/18-2	Lab	method blank	3/14/2018	Cation	Sodium	Total	<	0.015	mg/L	EPA 200.7	0.015	0.5			
2017/18-2	Lab	LCS	3/14/2018	Cation	Sodium	Total	=	49.8	mg/L	EPA 200.7	0.015	0.5			
2017/18-2	Lab	LCS, rec	3/14/2018	Cation	Sodium	Total	=	99	%	EPA 200.7	-88	-88	85	115	
2017/18-2	Lab	method blank	3/19/2018	Cation	Sodium	Total	<	0.015	mg/L	EPA 200.7	0.015	0.5			
2017/18-2	Lab	LCS	3/19/2018	Cation	Sodium	Total	=	45.4	mg/L	EPA 200.7	0.015	0.5			
2017/18-2	Lab	LCS, rec	3/19/2018	Cation	Sodium	Total	=	90	%	EPA 200.7	-88	-88	85	115	
2017/18-2	ME-CC	matrix spike	3/19/2018	Cation	Sodium	Total	=	138	mg/L	EPA 200.7	0.015	0.5			
2017/18-2	ME-CC	matrix spike, rec	3/19/2018	Cation	Sodium	Total	=	101	%	EPA 200.7	-88	-88	70	130	
2017/18-2	ME-CC	matrix spike dup	3/19/2018	Cation	Sodium	Total	=	134	mg/L	EPA 200.7	0.015	0.5			
2017/18-2	ME-CC	matrix spike dup, rec	3/19/2018	Cation	Sodium	Total	=	92	%	EPA 200.7	-88	-88	70	130	
2017/18-2	ME-CC	matrix spike, RPD	3/19/2018	Cation	Sodium	Total	=	3	%	EPA 200.7	-88	-88	0	30	
2017/18-2	ME-SCR	matrix spike	3/19/2018	Cation	Sodium	Total	=	282	mg/L	EPA 200.7	0.03	1			
2017/18-2	ME-SCR	matrix spike, rec	3/19/2018	Cation	Sodium	Total	=	86	%	EPA 200.7	-88	-88	70	130	
2017/18-2	ME-SCR	matrix spike dup	3/19/2018	Cation	Sodium	Total	=	281	mg/L	EPA 200.7	0.03	1			
2017/18-2	ME-SCR	matrix spike dup, rec	3/19/2018	Cation	Sodium	Total	=	85	%	EPA 200.7	-88	-88	70	130	
2017/18-2	ME-SCR	matrix spike, RPD	3/19/2018	Cation	Sodium	Total	=	0.4	%	EPA 200.7	-88	-88	0	30	
2017/18-2	000NONPJ	lab duplicate	3/5/2018	Conventional	Alkalinity as CaCO3	n/a	=	24.8	mg/L	SM 2320 B	0.56	2		15	
2017/18-2	000NONPJ	lab duplicate	3/5/2018	Conventional	Alkalinity as CaCO3	n/a	=	366	mg/L	SM 2320 B	0.56	2		15	
2017/18-2	Lab	LCS	3/5/2018	Conventional	Alkalinity as CaCO3	n/a	=	243	mg/L	SM 2320 B	0.56	2			
2017/18-2	Lab	LCS, rec	3/5/2018	Conventional	Alkalinity as CaCO3	n/a	=	97	%	SM 2320 B	-88	-88	94	108	
2017/18-2	Lab	method blank	3/5/2018	Conventional	Alkalinity as CaCO3	n/a	<	0.56	mg/L	SM 2320 B	0.56	2			
2017/18-2	Lab	LCS	3/5/2018	Conventional	Alkalinity as CaCO3	n/a	=	243	mg/L	SM 2320 B	0.56	2			
2017/18-2	Lab	LCS, rec	3/5/2018	Conventional	Alkalinity as CaCO3	n/a	=	97	%	SM 2320 B	-88	-88	94	108	
2017/18-2	Lab	method blank	3/5/2018	Conventional	Alkalinity as CaCO3	n/a	<	0.56	mg/L	SM 2320 B	0.56	2			
2017/18-2	000NONPJ	lab duplicate	3/8/2018	Conventional	BOD	n/a	=	11.3	mg/L	SM 5210 B	2	2		20	
2017/18-2	000NONPJ	lab duplicate	3/9/2018	Conventional	BOD	n/a	<	2	mg/L	SM 5210 B	2	2		20	
2017/18-2	Lab	LCS	3/8/2018	Conventional	BOD	n/a	=	186	mg/L	SM 5210 B	2	2			
2017/18-2	Lab	LCS, rec	3/8/2018	Conventional	BOD	n/a	=	94	%	SM 5210 B	-88	-88	85	115	
2017/18-2	Lab	method blank	3/8/2018	Conventional	BOD	n/a	<	2	mg/L	SM 5210 B	2	2			
2017/18-2	Lab	method blank	3/8/2018	Conventional	BOD	n/a	<	2	mg/L	SM 5210 B	2	2			
2017/18-2	Lab	LCS	3/9/2018	Conventional	BOD	n/a	=	173	mg/L	SM 5210 B	2	2			
2017/18-2	Lab	LCS, rec	3/9/2018	Conventional	BOD	n/a	=	87	%	SM 5210 B	-88	-88	85	115	
2017/18-2	Lab	method blank	3/9/2018	Conventional	BOD	n/a	<	2	mg/L	SM 5210 B	2	2			
2017/18-2	Lab	method blank	3/9/2018	Conventional	BOD	n/a	<	2	mg/L	SM 5210 B	2	2			
2017/18-2	000NONPJ	lab duplicate	3/9/2018	Conventional	COD	n/a	=	7360	mg/L	EPA 410.4	3.6	25		15	
2017/18-2	000NONPJ	matrix spike	3/9/2018	Conventional	COD	n/a	=	230	mg/L	EPA 410.4	2.9	20			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-2	000NONPJ	matrix spike	3/9/2018	Conventional	COD	n/a	=	210	mg/L	EPA 410.4	2.9	20			
2017/18-2	000NONPJ	matrix spike dup	3/9/2018	Conventional	COD	n/a	=	227	mg/L	EPA 410.4	2.9	20			
2017/18-2	000NONPJ	matrix spike dup	3/9/2018	Conventional	COD	n/a	=	209	mg/L	EPA 410.4	2.9	20			
2017/18-2	000NONPJ	matrix spike dup, rec	3/9/2018	Conventional	COD	n/a	=	92	%	EPA 410.4	-88	-88	90	110	
2017/18-2	000NONPJ	matrix spike dup, rec	3/9/2018	Conventional	COD	n/a	=	94	%	EPA 410.4	-88	-88	90	110	
2017/18-2	000NONPJ	matrix spike, rec	3/9/2018	Conventional	COD	n/a	=	93	%	EPA 410.4	-88	-88	90	110	
2017/18-2	000NONPJ	matrix spike, rec	3/9/2018	Conventional	COD	n/a	=	94	%	EPA 410.4	-88	-88	90	110	
2017/18-2	000NONPJ	matrix spike, RPD	3/9/2018	Conventional	COD	n/a	=	0.4	%	EPA 410.4	-88	-88	0	15	
2017/18-2	000NONPJ	matrix spike, RPD	3/9/2018	Conventional	COD	n/a	=	2	%	EPA 410.4	-88	-88	0	15	
2017/18-2	000NONPJ	lab duplicate	3/13/2018	Conventional	COD	n/a	=	5980	mg/L	EPA 410.4	7.3	50		15	
2017/18-2	000NONPJ	matrix spike	3/13/2018	Conventional	COD	n/a	=	212	mg/L	EPA 410.4	2.9	20			
2017/18-2	000NONPJ	matrix spike	3/13/2018	Conventional	COD	n/a	=	279	mg/L	EPA 410.4	2.9	20			GB
2017/18-2	000NONPJ	matrix spike dup	3/13/2018	Conventional	COD	n/a	=	257	mg/L	EPA 410.4	2.9	20			
2017/18-2	000NONPJ	matrix spike dup	3/13/2018	Conventional	COD	n/a	=	221	mg/L	EPA 410.4	2.9	20			
2017/18-2	000NONPJ	matrix spike dup, rec	3/13/2018	Conventional	COD	n/a	=	102	%	EPA 410.4	-88	-88	90	110	
2017/18-2	000NONPJ	matrix spike dup, rec	3/13/2018	Conventional	COD	n/a	=	104	%	EPA 410.4	-88	-88	90	110	
2017/18-2	000NONPJ	matrix spike, rec	3/13/2018	Conventional	COD	n/a	=	116	%	EPA 410.4	-88	-88	90	110	GB
2017/18-2	000NONPJ	matrix spike, rec	3/13/2018	Conventional	COD	n/a	=	97	%	EPA 410.4	-88	-88	90	110	
2017/18-2	000NONPJ	matrix spike, RPD	3/13/2018	Conventional	COD	n/a	=	8	%	EPA 410.4	-88	-88	0	15	
2017/18-2	000NONPJ	matrix spike, RPD	3/13/2018	Conventional	COD	n/a	=	4	%	EPA 410.4	-88	-88	0	15	
2017/18-2	Lab	LCS	3/9/2018	Conventional	COD	n/a	=	92.4	mg/L	EPA 410.4	0.73	5			
2017/18-2	Lab	LCS, rec	3/9/2018	Conventional	COD	n/a	=	92	%	EPA 410.4	-88	-88	90	110	
2017/18-2	Lab	method blank	3/9/2018	Conventional	COD	n/a	<	0.73	mg/L	EPA 410.4	0.73	5			
2017/18-2	Lab	LCS	3/13/2018	Conventional	COD	n/a	=	92.6	mg/L	EPA 410.4	0.73	5			
2017/18-2	Lab	LCS, rec	3/13/2018	Conventional	COD	n/a	=	93	%	EPA 410.4	-88	-88	90	110	
2017/18-2	Lab	method blank	3/13/2018	Conventional	COD	n/a	DNQ	1.62	mg/L	EPA 410.4	0.73	5			IP
2017/18-2	000NONPJ	matrix spike	3/9/2018	Conventional	Cyanide	Total	=	0.0552	mg/L	ASTM D7511	0.0005	0.002			
2017/18-2	000NONPJ	matrix spike dup	3/9/2018	Conventional	Cyanide	Total	=	0.0558	mg/L	ASTM D7511	0.0005	0.002			
2017/18-2	000NONPJ	matrix spike dup, rec	3/9/2018	Conventional	Cyanide	Total	=	107	%	ASTM D7511	-88	-88	64	136	
2017/18-2	000NONPJ	matrix spike, rec	3/9/2018	Conventional	Cyanide	Total	=	106	%	ASTM D7511	-88	-88	64	136	
2017/18-2	000NONPJ	matrix spike, RPD	3/9/2018	Conventional	Cyanide	Total	=	1	%	ASTM D7511	-88	-88	0	47	
2017/18-2	000NONPJ	matrix spike	3/13/2018	Conventional	Cyanide	Total	=	0.0559	mg/L	ASTM D7511	0.0005	0.002			
2017/18-2	000NONPJ	matrix spike	3/13/2018	Conventional	Cyanide	Total	=	0.0462	mg/L	ASTM D7511	0.0005	0.002			
2017/18-2	000NONPJ	matrix spike dup	3/13/2018	Conventional	Cyanide	Total	=	0.0467	mg/L	ASTM D7511	0.0005	0.002			
2017/18-2	000NONPJ	matrix spike dup	3/13/2018	Conventional	Cyanide	Total	=	0.057	mg/L	ASTM D7511	0.0005	0.002			
2017/18-2	000NONPJ	matrix spike dup, rec	3/13/2018	Conventional	Cyanide	Total	=	107	%	ASTM D7511	-88	-88	64	136	
2017/18-2	000NONPJ	matrix spike dup, rec	3/13/2018	Conventional	Cyanide	Total	=	93	%	ASTM D7511	-88	-88	64	136	
2017/18-2	000NONPJ	matrix spike, rec	3/13/2018	Conventional	Cyanide	Total	=	105	%	ASTM D7511	-88	-88	64	136	
2017/18-2	000NONPJ	matrix spike, rec	3/13/2018	Conventional	Cyanide	Total	=	92	%	ASTM D7511	-88	-88	64	136	
2017/18-2	000NONPJ	matrix spike, RPD	3/13/2018	Conventional	Cyanide	Total	=	1	%	ASTM D7511	-88	-88	0	47	
2017/18-2	000NONPJ	matrix spike, RPD	3/13/2018	Conventional	Cyanide	Total	=	2	%	ASTM D7511	-88	-88	0	47	
2017/18-2	Lab	LCS	3/7/2018	Conventional	Cyanide	Total	=	0.0875	mg/L	ASTM D7511	0.0005	0.002			
2017/18-2	Lab	LCS, rec	3/7/2018	Conventional	Cyanide	Total	=	88	%	ASTM D7511	-88	-88	84	116	
2017/18-2	Lab	method blank	3/7/2018	Conventional	Cyanide	Total	<	0.0005	mg/L	ASTM D7511	0.0005	0.002			
2017/18-2	Lab	LCS	3/9/2018	Conventional	Cyanide	Total	=	0.0477	mg/L	ASTM D7511	0.0005	0.002			
2017/18-2	Lab	LCS dup	3/9/2018	Conventional	Cyanide	Total	=	0.0474	mg/L	ASTM D7511	0.0005	0.002			
2017/18-2	Lab	LCS dup, rec	3/9/2018	Conventional	Cyanide	Total	=	95	%	ASTM D7511	-88	-88	84	116	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-2	Lab	LCS, rec	3/9/2018	Conventional	Cyanide	Total	=	95	%	ASTM D7511	-88	-88	84	116	
2017/18-2	Lab	LCS, RPD	3/9/2018	Conventional	Cyanide	Total	=	0.7	%	ASTM D7511	-88	-88	0	12	
2017/18-2	Lab	method blank	3/9/2018	Conventional	Cyanide	Total	<	0.0005	mg/L	ASTM D7511	0.0005	0.002			
2017/18-2	Lab	LCS	3/13/2018	Conventional	Cyanide	Total	=	0.0464	mg/L	ASTM D7511	0.0005	0.002			
2017/18-2	Lab	LCS dup	3/13/2018	Conventional	Cyanide	Total	=	0.0469	mg/L	ASTM D7511	0.0005	0.002			
2017/18-2	Lab	LCS dup, rec	3/13/2018	Conventional	Cyanide	Total	=	94	%	ASTM D7511	-88	-88	84	116	
2017/18-2	Lab	LCS, rec	3/13/2018	Conventional	Cyanide	Total	=	93	%	ASTM D7511	-88	-88	84	116	
2017/18-2	Lab	LCS, RPD	3/13/2018	Conventional	Cyanide	Total	=	1	%	ASTM D7511	-88	-88	0	12	
2017/18-2	Lab	method blank	3/13/2018	Conventional	Cyanide	Total	<	0.0005	mg/L	ASTM D7511	0.0005	0.002			
2017/18-2	MO-CAM	field duplicate	3/7/2018	Conventional	Cyanide	Total	DNQ	0.0018	mg/L	ASTM D7511	0.0005	0.002			
2017/18-2	MO-THO	field blank	3/7/2018	Conventional	Cyanide	Total	<	0.0005	mg/L	ASTM D7511	0.0005	0.002			
2017/18-2	Lab	LCS	3/13/2018	Conventional	Dissolved Inorganic Carbon	Dissolved	=	10.5	mg/L	SM 5310 B	0.5	0.5			
2017/18-2	Lab	LCS dup	3/13/2018	Conventional	Dissolved Inorganic Carbon	Dissolved	=	10.6	mg/L	SM 5310 B	0.5	0.5			
2017/18-2	Lab	LCS dup, rec	3/13/2018	Conventional	Dissolved Inorganic Carbon	Dissolved	=	106	%	SM 5310 B	-88	-88	85	115	
2017/18-2	Lab	LCS, rec	3/13/2018	Conventional	Dissolved Inorganic Carbon	Dissolved	=	105	%	SM 5310 B	-88	-88	85	115	
2017/18-2	Lab	LCS, RPD	3/13/2018	Conventional	Dissolved Inorganic Carbon	Dissolved	=	2	%	SM 5310 B	-88	-88	0	20	
2017/18-2	Lab	method blank	3/13/2018	Conventional	Dissolved Inorganic Carbon	Dissolved	<	0.5	mg/L	SM 5310 B	0.5	0.5			
2017/18-2	000NONPJ	matrix spike	3/9/2018	Conventional	Dissolved Organic Carbon	Dissolved	=	22.8	mg/L	SM 5310 B	0.016	0.1			
2017/18-2	000NONPJ	matrix spike dup	3/9/2018	Conventional	Dissolved Organic Carbon	Dissolved	=	23.1	mg/L	SM 5310 B	0.016	0.1			
2017/18-2	000NONPJ	matrix spike dup, rec	3/9/2018	Conventional	Dissolved Organic Carbon	Dissolved	=	92	%	SM 5310 B	-88	-88	74	120	
2017/18-2	000NONPJ	matrix spike, rec	3/9/2018	Conventional	Dissolved Organic Carbon	Dissolved	=	87	%	SM 5310 B	-88	-88	74	120	
2017/18-2	000NONPJ	matrix spike, RPD	3/9/2018	Conventional	Dissolved Organic Carbon	Dissolved	=	1	%	SM 5310 B	-88	-88	0	20	
2017/18-2	Lab	LCS	3/9/2018	Conventional	Dissolved Organic Carbon	Dissolved	=	0.95	mg/L	SM 5310 B	0.016	0.1			
2017/18-2	Lab	LCS, rec	3/9/2018	Conventional	Dissolved Organic Carbon	Dissolved	=	95	%	SM 5310 B	-88	-88	85	115	
2017/18-2	Lab	method blank	3/9/2018	Conventional	Dissolved Organic Carbon	Dissolved	<	0.016	mg/L	SM 5310 B	0.016	0.1			
2017/18-2	Lab	method blank	3/14/2018	Conventional	Dissolved Organic Carbon	Dissolved	<	0.016	mg/L	SM 5310 B	0.016	0.1			
2017/18-2	Lab	LCS	3/14/2018	Conventional	Dissolved Organic Carbon	Dissolved	=	1.01	mg/L	SM 5310 B	0.016	0.1			
2017/18-2	Lab	LCS, rec	3/14/2018	Conventional	Dissolved Organic Carbon	Dissolved	=	101	%	SM 5310 B	-88	-88	85	115	
2017/18-2	Lab	LCS dup	3/14/2018	Conventional	Dissolved Organic Carbon	Dissolved	=	1.08	mg/L	SM 5310 B	0.016	0.1			
2017/18-2	Lab	LCS dup, rec	3/14/2018	Conventional	Dissolved Organic Carbon	Dissolved	=	108	%	SM 5310 B	-88	-88	85	115	
2017/18-2	Lab	LCS, RPD	3/14/2018	Conventional	Dissolved Organic Carbon	Dissolved	=	6	%	SM 5310 B	-88	-88	0	20	
2017/18-2	000NONPJ	matrix spike	3/2/2018	Conventional	MBAS	n/a	=	0.252	mg/L	SM 5540 C	0.019	0.05			
2017/18-2	000NONPJ	matrix spike dup	3/2/2018	Conventional	MBAS	n/a	=	0.251	mg/L	SM 5540 C	0.019	0.05			
2017/18-2	000NONPJ	matrix spike dup, rec	3/2/2018	Conventional	MBAS	n/a	=	98	%	SM 5540 C	-88	-88	74	123	
2017/18-2	000NONPJ	matrix spike, rec	3/2/2018	Conventional	MBAS	n/a	=	98	%	SM 5540 C	-88	-88	74	123	
2017/18-2	000NONPJ	matrix spike, RPD	3/2/2018	Conventional	MBAS	n/a	=	0.6	%	SM 5540 C	-88	-88	0	20	
2017/18-2	000NONPJ	matrix spike	3/4/2018	Conventional	MBAS	n/a	=	0.239	mg/L	SM 5540 C	0.019	0.05			
2017/18-2	000NONPJ	matrix spike dup	3/4/2018	Conventional	MBAS	n/a	=	0.232	mg/L	SM 5540 C	0.019	0.05			
2017/18-2	000NONPJ	matrix spike dup, rec	3/4/2018	Conventional	MBAS	n/a	=	104	%	SM 5540 C	-88	-88	74	123	
2017/18-2	000NONPJ	matrix spike, rec	3/4/2018	Conventional	MBAS	n/a	=	108	%	SM 5540 C	-88	-88	74	123	
2017/18-2	000NONPJ	matrix spike, RPD	3/4/2018	Conventional	MBAS	n/a	=	3	%	SM 5540 C	-88	-88	0	20	
2017/18-2	Lab	LCS	3/2/2018	Conventional	MBAS	n/a	=	0.183	mg/L	SM 5540 C	0.019	0.05			
2017/18-2	Lab	LCS, rec	3/2/2018	Conventional	MBAS	n/a	=	91	%	SM 5540 C	-88	-88	82	115	
2017/18-2	Lab	method blank	3/2/2018	Conventional	MBAS	n/a	<	0.019	mg/L	SM 5540 C	0.019	0.05			
2017/18-2	Lab	LCS	3/4/2018	Conventional	MBAS	n/a	=	0.199	mg/L	SM 5540 C	0.019	0.05			
2017/18-2	Lab	LCS	3/4/2018	Conventional	MBAS	n/a	=	0.201	mg/L	SM 5540 C	0.019	0.05			
2017/18-2	Lab	LCS, rec	3/4/2018	Conventional	MBAS	n/a	=	100	%	SM 5540 C	-88	-88	82	115	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-2	Lab	LCS, rec	3/4/2018	Conventional	MBAS	n/a	=	99	%	SM 5540 C	-88	-88	82	115	
2017/18-2	Lab	method blank	3/4/2018	Conventional	MBAS	n/a	<	0.019	mg/L	SM 5540 C	0.019	0.05			
2017/18-2	000NONPJ	matrix spike	3/15/2018	Conventional	Phenolics	n/a	=	0.258	mg/L	EPA 420.4	0.0042	0.01			
2017/18-2	000NONPJ	matrix spike, rec	3/15/2018	Conventional	Phenolics	n/a	=	99	%	EPA 420.4	-88	-88	90	110	
2017/18-2	000NONPJ	matrix spike dup	3/15/2018	Conventional	Phenolics	n/a	=	0.252	mg/L	EPA 420.4	0.0042	0.01			
2017/18-2	000NONPJ	matrix spike dup, rec	3/15/2018	Conventional	Phenolics	n/a	=	96	%	EPA 420.4	-88	-88	90	110	
2017/18-2	000NONPJ	matrix spike, RPD	3/15/2018	Conventional	Phenolics	n/a	=	2	%	EPA 420.4	-88	-88	0	20	
2017/18-2	000NONPJ	matrix spike	3/20/2018	Conventional	Phenolics	n/a	=	0.263	mg/L	EPA 420.4	0.0042	0.01			GB
2017/18-2	000NONPJ	matrix spike, rec	3/20/2018	Conventional	Phenolics	n/a	=	62	%	EPA 420.4	-88	-88	90	110	GB
2017/18-2	000NONPJ	matrix spike dup	3/20/2018	Conventional	Phenolics	n/a	=	0.261	mg/L	EPA 420.4	0.0042	0.01			GB
2017/18-2	000NONPJ	matrix spike dup, rec	3/20/2018	Conventional	Phenolics	n/a	=	62	%	EPA 420.4	-88	-88	90	110	GB
2017/18-2	000NONPJ	matrix spike, RPD	3/20/2018	Conventional	Phenolics	n/a	=	0.8	%	EPA 420.4	-88	-88	0	20	
2017/18-2	000NONPJ	matrix spike	3/20/2018	Conventional	Phenolics	n/a	=	0.514	mg/L	EPA 420.4	0.0084	0.02			GB
2017/18-2	000NONPJ	matrix spike, rec	3/20/2018	Conventional	Phenolics	n/a	=	81	%	EPA 420.4	-88	-88	90	110	GB
2017/18-2	000NONPJ	matrix spike dup	3/20/2018	Conventional	Phenolics	n/a	=	0.514	mg/L	EPA 420.4	0.0084	0.02			GB
2017/18-2	000NONPJ	matrix spike dup, rec	3/20/2018	Conventional	Phenolics	n/a	=	81	%	EPA 420.4	-88	-88	90	110	GB
2017/18-2	000NONPJ	matrix spike, RPD	3/20/2018	Conventional	Phenolics	n/a	=	0.007	%	EPA 420.4	-88	-88	0	20	
2017/18-2	000NONPJ	matrix spike	3/26/2018	Conventional	Phenolics	n/a	=	0.334	mg/L	EPA 420.4	0.0042	0.01			GB
2017/18-2	000NONPJ	matrix spike, rec	3/26/2018	Conventional	Phenolics	n/a	=	86	%	EPA 420.4	-88	-88	90	110	GB
2017/18-2	000NONPJ	matrix spike dup	3/26/2018	Conventional	Phenolics	n/a	=	0.322	mg/L	EPA 420.4	0.0042	0.01			GB
2017/18-2	000NONPJ	matrix spike dup, rec	3/26/2018	Conventional	Phenolics	n/a	=	81	%	EPA 420.4	-88	-88	90	110	GB
2017/18-2	000NONPJ	matrix spike, RPD	3/26/2018	Conventional	Phenolics	n/a	=	3	%	EPA 420.4	-88	-88	0	20	
2017/18-2	000NONPJ	matrix spike	3/26/2018	Conventional	Phenolics	n/a	=	0.556	mg/L	EPA 420.4	0.0084	0.02			GB
2017/18-2	000NONPJ	matrix spike, rec	3/26/2018	Conventional	Phenolics	n/a	=	87	%	EPA 420.4	-88	-88	90	110	GB
2017/18-2	000NONPJ	matrix spike dup	3/26/2018	Conventional	Phenolics	n/a	=	0.56	mg/L	EPA 420.4	0.0084	0.02			GB
2017/18-2	000NONPJ	matrix spike dup, rec	3/26/2018	Conventional	Phenolics	n/a	=	88	%	EPA 420.4	-88	-88	90	110	GB
2017/18-2	000NONPJ	matrix spike, RPD	3/26/2018	Conventional	Phenolics	n/a	=	0.8	%	EPA 420.4	-88	-88	0	20	
2017/18-2	Lab	method blank	3/15/2018	Conventional	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01			
2017/18-2	Lab	LCS	3/15/2018	Conventional	Phenolics	n/a	=	0.101	mg/L	EPA 420.4	0.0042	0.01			
2017/18-2	Lab	LCS, rec	3/15/2018	Conventional	Phenolics	n/a	=	101	%	EPA 420.4	-88	-88	90	110	
2017/18-2	Lab	method blank	3/20/2018	Conventional	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01			
2017/18-2	Lab	LCS	3/20/2018	Conventional	Phenolics	n/a	=	0.103	mg/L	EPA 420.4	0.0042	0.01			
2017/18-2	Lab	LCS, rec	3/20/2018	Conventional	Phenolics	n/a	=	103	%	EPA 420.4	-88	-88	90	110	
2017/18-2	Lab	method blank	3/26/2018	Conventional	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01			
2017/18-2	Lab	LCS	3/26/2018	Conventional	Phenolics	n/a	=	0.0998	mg/L	EPA 420.4	0.0042	0.01			
2017/18-2	Lab	LCS, rec	3/26/2018	Conventional	Phenolics	n/a	=	100	%	EPA 420.4	-88	-88	90	110	
2017/18-2	000NONPJ	lab duplicate	3/7/2018	Conventional	Specific Conductance	n/a	=	928	µmhos/cm	SM 2510 B	0.23	2		4.28	
2017/18-2	000NONPJ	lab duplicate	3/7/2018	Conventional	Specific Conductance	n/a	=	152	µmhos/cm	SM 2510 B	0.23	2		4.28	
2017/18-2	Lab	LCS	3/7/2018	Conventional	Specific Conductance	n/a	=	195	µmhos/cm	SM 2510 B	0.23	2			
2017/18-2	Lab	LCS, rec	3/7/2018	Conventional	Specific Conductance	n/a	=	97	%	SM 2510 B	-88	-88	95	105	
2017/18-2	Lab	method blank	3/7/2018	Conventional	Specific Conductance	n/a	<	0.23	µmhos/cm	SM 2510 B	0.23	2			
2017/18-2	Lab	LCS	3/7/2018	Conventional	Specific Conductance	n/a	=	192	µmhos/cm	SM 2510 B	0.23	2			
2017/18-2	Lab	LCS, rec	3/7/2018	Conventional	Specific Conductance	n/a	=	96	%	SM 2510 B	-88	-88	95	105	
2017/18-2	Lab	method blank	3/7/2018	Conventional	Specific Conductance	n/a	<	0.23	µmhos/cm	SM 2510 B	0.23	2			
2017/18-2	Lab	LCS	3/7/2018	Conventional	Specific Conductance	n/a	=	197	µmhos/cm	SM 2510 B	0.23	2			
2017/18-2	Lab	LCS, rec	3/7/2018	Conventional	Specific Conductance	n/a	=	98	%	SM 2510 B	-88	-88	95	105	
2017/18-2	Lab	method blank	3/7/2018	Conventional	Specific Conductance	n/a	<	0.23	µmhos/cm	SM 2510 B	0.23	2			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-2	MO-THO	lab duplicate	3/7/2018	Conventional	Specific Conductance	n/a	=	924	µmhos/cm	SM 2510 B	0.23	2		4.28	
2017/18-2	000NONPJ	matrix spike	3/5/2018	Conventional	Total Chlorine Residual	n/a	=	2.6	mg/L	SM 4500-Cl G	0.006	0.2			
2017/18-2	000NONPJ	matrix spike dup	3/5/2018	Conventional	Total Chlorine Residual	n/a	=	2.6	mg/L	SM 4500-Cl G	0.006	0.2			
2017/18-2	000NONPJ	matrix spike dup, rec	3/5/2018	Conventional	Total Chlorine Residual	n/a	=	95	%	SM 4500-Cl G	-88	-88	78	114	
2017/18-2	000NONPJ	matrix spike, rec	3/5/2018	Conventional	Total Chlorine Residual	n/a	=	96	%	SM 4500-Cl G	-88	-88	78	114	
2017/18-2	000NONPJ	matrix spike, RPD	3/5/2018	Conventional	Total Chlorine Residual	n/a	=	0.2	%	SM 4500-Cl G	-88	-88	0	15	
2017/18-2	Lab	LCS	3/5/2018	Conventional	Total Chlorine Residual	n/a	=	0.218	mg/L	SM 4500-Cl G	0.0015	0.05			
2017/18-2	Lab	LCS, rec	3/5/2018	Conventional	Total Chlorine Residual	n/a	=	109	%	SM 4500-Cl G	-88	-88	85	110	
2017/18-2	Lab	method blank	3/5/2018	Conventional	Total Chlorine Residual	n/a	<	0.0015	mg/L	SM 4500-Cl G	0.0015	0.05			
2017/18-2	000NONPJ	lab duplicate	3/8/2018	Conventional	Total Dissolved Solids	n/a	=	1100	mg/L	SM 2540 C	4	10		10	
2017/18-2	000NONPJ	lab duplicate	3/8/2018	Conventional	Total Dissolved Solids	n/a	=	4100	mg/L	SM 2540 C	4	10		10	
2017/18-2	000NONPJ	lab duplicate	3/8/2018	Conventional	Total Dissolved Solids	n/a	=	1580	mg/L	SM 2540 C	4	10		10	
2017/18-2	Lab	LCS	3/8/2018	Conventional	Total Dissolved Solids	n/a	=	822	mg/L	SM 2540 C	4	10			
2017/18-2	Lab	LCS, rec	3/8/2018	Conventional	Total Dissolved Solids	n/a	=	100	%	SM 2540 C	-88	-88	96	102	
2017/18-2	Lab	method blank	3/8/2018	Conventional	Total Dissolved Solids	n/a	<	4	mg/L	SM 2540 C	4	10			
2017/18-2	Lab	LCS	3/8/2018	Conventional	Total Dissolved Solids	n/a	=	833	mg/L	SM 2540 C	4	10			
2017/18-2	Lab	LCS, rec	3/8/2018	Conventional	Total Dissolved Solids	n/a	=	101	%	SM 2540 C	-88	-88	96	102	
2017/18-2	Lab	method blank	3/8/2018	Conventional	Total Dissolved Solids	n/a	<	4	mg/L	SM 2540 C	4	10			
2017/18-2	ME-SCR	lab duplicate	3/8/2018	Conventional	Total Dissolved Solids	n/a	=	2040	mg/L	SM 2540 C	4	10		10	
2017/18-2	000NONPJ	matrix spike	3/7/2018	Conventional	Total Organic Carbon	n/a	=	22.7	mg/L	SM 5310 B	0.016	0.1			
2017/18-2	000NONPJ	matrix spike dup	3/7/2018	Conventional	Total Organic Carbon	n/a	=	23.4	mg/L	SM 5310 B	0.016	0.1			
2017/18-2	000NONPJ	matrix spike dup, rec	3/7/2018	Conventional	Total Organic Carbon	n/a	=	97	%	SM 5310 B	-88	-88	76	115	
2017/18-2	000NONPJ	matrix spike, rec	3/7/2018	Conventional	Total Organic Carbon	n/a	=	82	%	SM 5310 B	-88	-88	76	115	
2017/18-2	000NONPJ	matrix spike, RPD	3/7/2018	Conventional	Total Organic Carbon	n/a	=	3	%	SM 5310 B	-88	-88	0	20	
2017/18-2	000NONPJ	matrix spike	3/12/2018	Conventional	Total Organic Carbon	n/a	=	7.6	mg/L	SM 5310 B	0.016	0.1			
2017/18-2	000NONPJ	matrix spike, rec	3/12/2018	Conventional	Total Organic Carbon	n/a	=	103	%	SM 5310 B	-88	-88	76	115	
2017/18-2	000NONPJ	matrix spike dup	3/12/2018	Conventional	Total Organic Carbon	n/a	=	7.43	mg/L	SM 5310 B	0.016	0.1			
2017/18-2	000NONPJ	matrix spike dup, rec	3/12/2018	Conventional	Total Organic Carbon	n/a	=	100	%	SM 5310 B	-88	-88	76	115	
2017/18-2	000NONPJ	matrix spike, RPD	3/12/2018	Conventional	Total Organic Carbon	n/a	=	2	%	SM 5310 B	-88	-88	0	20	
2017/18-2	Lab	LCS	3/7/2018	Conventional	Total Organic Carbon	n/a	=	1.05	mg/L	SM 5310 B	0.016	0.1			
2017/18-2	Lab	LCS, rec	3/7/2018	Conventional	Total Organic Carbon	n/a	=	105	%	SM 5310 B	-88	-88	85	115	
2017/18-2	Lab	method blank	3/7/2018	Conventional	Total Organic Carbon	n/a	<	0.016	mg/L	SM 5310 B	0.016	0.1			
2017/18-2	Lab	method blank	3/12/2018	Conventional	Total Organic Carbon	n/a	<	0.016	mg/L	SM 5310 B	0.016	0.1			
2017/18-2	Lab	LCS	3/12/2018	Conventional	Total Organic Carbon	n/a	=	0.985	mg/L	SM 5310 B	0.016	0.1			
2017/18-2	Lab	LCS, rec	3/12/2018	Conventional	Total Organic Carbon	n/a	=	98	%	SM 5310 B	-88	-88	85	115	
2017/18-2	Lab	LCS	3/8/2018	Conventional	Total Suspended Solids	n/a	=	65	mg/L	SM 2540 D	-88	5			
2017/18-2	Lab	LCS, rec	3/8/2018	Conventional	Total Suspended Solids	n/a	=	106	%	SM 2540 D	-88	-88	90	110	
2017/18-2	Lab	method blank	3/8/2018	Conventional	Total Suspended Solids	n/a	<	5	mg/L	SM 2540 D	-88	5			
2017/18-2	MO-MEI	lab duplicate	3/8/2018	Conventional	Total Suspended Solids	n/a	=	256	mg/L	SM 2540 D	-88	5		20	
2017/18-2	MO-OJA	lab duplicate	3/8/2018	Conventional	Total Suspended Solids	n/a	=	786	mg/L	SM 2540 D	-88	5		20	
2017/18-2	000NONPJ	lab duplicate	3/2/2018	Conventional	Turbidity	n/a	=	14	NTU	EPA 180.1	0.024	0.1		10	
2017/18-2	Lab	LCS	3/2/2018	Conventional	Turbidity	n/a	=	6.83	NTU	EPA 180.1	0.024	0.1			
2017/18-2	Lab	LCS, rec	3/2/2018	Conventional	Turbidity	n/a	=	98	%	EPA 180.1	-88	-88	90	110	
2017/18-2	Lab	method blank	3/2/2018	Conventional	Turbidity	n/a	<	0.024	NTU	EPA 180.1	0.024	0.1			
2017/18-2	Lab	LCS	3/4/2018	Conventional	Turbidity	n/a	=	6.93	NTU	EPA 180.1	0.024	0.1			
2017/18-2	Lab	LCS, rec	3/4/2018	Conventional	Turbidity	n/a	=	94	%	EPA 180.1	-88	-88	90	110	
2017/18-2	Lab	method blank	3/4/2018	Conventional	Turbidity	n/a	<	0.024	NTU	EPA 180.1	0.024	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-2	ME-CC	lab duplicate	3/4/2018	Conventional	Turbidity	n/a	=	22.7	NTU	EPA 180.1	0.024	0.1		10	
2017/18-2	Lab	LCS	3/8/2018	Conventional	Volatile Suspended Solids	n/a	=	46	mg/L	EPA 160.4	3.1	5			
2017/18-2	Lab	LCS, rec	3/8/2018	Conventional	Volatile Suspended Solids	n/a	=	105	%	EPA 160.4	-88	-88	90	110	
2017/18-2	Lab	method blank	3/8/2018	Conventional	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5			
2017/18-2	MO-MEI	lab duplicate	3/8/2018	Conventional	Volatile Suspended Solids	n/a	=	50	mg/L	EPA 160.4	3.1	5		15	
2017/18-2	MO-OJA	lab duplicate	3/8/2018	Conventional	Volatile Suspended Solids	n/a	=	94	mg/L	EPA 160.4	3.1	5		15	
2017/18-2	Lab	method blank	3/14/2018	Hydrocarbon	Diesel Range Organics	n/a	DNQ	0.0357	mg/L	EPA 8015D	0.024	0.1			IP
2017/18-2	Lab	LCS	3/14/2018	Hydrocarbon	Diesel Range Organics	n/a	=	0.622	mg/L	EPA 8015D	0.024	0.1			
2017/18-2	Lab	LCS, rec	3/14/2018	Hydrocarbon	Diesel Range Organics	n/a	=	124	%	EPA 8015D	-88	-88	56	136	
2017/18-2	Lab	LCS dup	3/14/2018	Hydrocarbon	Diesel Range Organics	n/a	=	0.582	mg/L	EPA 8015D	0.024	0.1			
2017/18-2	Lab	LCS dup, rec	3/14/2018	Hydrocarbon	Diesel Range Organics	n/a	=	116	%	EPA 8015D	-88	-88	56	136	
2017/18-2	Lab	LCS, RPD	3/14/2018	Hydrocarbon	Diesel Range Organics	n/a	=	7	%	EPA 8015D	-88	-88	0	25	
2017/18-2	Lab	method blank	3/15/2018	Hydrocarbon	Diesel Range Organics	n/a	DNQ	0.046	mg/L	EPA 8015D	0.024	0.1			IP
2017/18-2	Lab	LCS	3/15/2018	Hydrocarbon	Diesel Range Organics	n/a	=	0.452	mg/L	EPA 8015D	0.024	0.1			
2017/18-2	Lab	LCS, rec	3/15/2018	Hydrocarbon	Diesel Range Organics	n/a	=	90	%	EPA 8015D	-88	-88	56	136	
2017/18-2	Lab	LCS dup	3/15/2018	Hydrocarbon	Diesel Range Organics	n/a	=	0.414	mg/L	EPA 8015D	0.024	0.1			
2017/18-2	Lab	LCS dup, rec	3/15/2018	Hydrocarbon	Diesel Range Organics	n/a	=	83	%	EPA 8015D	-88	-88	56	136	
2017/18-2	Lab	LCS, RPD	3/15/2018	Hydrocarbon	Diesel Range Organics	n/a	=	9	%	EPA 8015D	-88	-88	0	25	
2017/18-2	Lab	LCS	3/5/2018	Hydrocarbon	Gasoline Range Organics	n/a	=	0.96	mg/L	EPA 8015D	0.044	0.1			
2017/18-2	Lab	LCS, rec	3/5/2018	Hydrocarbon	Gasoline Range Organics	n/a	=	96	%	EPA 8015D	-88	-88	75	123	
2017/18-2	Lab	LCS dup	3/5/2018	Hydrocarbon	Gasoline Range Organics	n/a	=	0.94	mg/L	EPA 8015D	0.044	0.1			
2017/18-2	Lab	LCS dup, rec	3/5/2018	Hydrocarbon	Gasoline Range Organics	n/a	=	94	%	EPA 8015D	-88	-88	75	123	
2017/18-2	Lab	LCS, RPD	3/5/2018	Hydrocarbon	Gasoline Range Organics	n/a	=	2	%	EPA 8015D	-88	-88	0	25	
2017/18-2	Lab	method blank	3/5/2018	Hydrocarbon	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1			
2017/18-2	MO-CAM	field duplicate	3/5/2018	Hydrocarbon	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1			
2017/18-2	MO-THO	field blank	3/6/2018	Hydrocarbon	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1			
2017/18-2	Lab	srgt method blank	3/14/2018	Hydrocarbon	n-Tetracosane	n/a	=	0.289	mg/L	EPA 8015D	-88	-88			
2017/18-2	Lab	srgt method blank, rec	3/14/2018	Hydrocarbon	n-Tetracosane	n/a	=	116	%	EPA 8015D	-88	-88	64	155	
2017/18-2	Lab	srgt LCS	3/14/2018	Hydrocarbon	n-Tetracosane	n/a	=	0.301	mg/L	EPA 8015D	-88	-88			
2017/18-2	Lab	srgt LCS, rec	3/14/2018	Hydrocarbon	n-Tetracosane	n/a	=	120	%	EPA 8015D	-88	-88	64	155	
2017/18-2	Lab	srgt LCS dup	3/14/2018	Hydrocarbon	n-Tetracosane	n/a	=	0.3	mg/L	EPA 8015D	-88	-88			
2017/18-2	Lab	srgt LCS dup, rec	3/14/2018	Hydrocarbon	n-Tetracosane	n/a	=	120	%	EPA 8015D	-88	-88	64	155	
2017/18-2	Lab	srgt method blank	3/15/2018	Hydrocarbon	n-Tetracosane	n/a	=	0.246	mg/L	EPA 8015D	-88	-88			
2017/18-2	Lab	srgt method blank, rec	3/15/2018	Hydrocarbon	n-Tetracosane	n/a	=	99	%	EPA 8015D	-88	-88	64	155	
2017/18-2	Lab	srgt LCS	3/15/2018	Hydrocarbon	n-Tetracosane	n/a	=	0.234	mg/L	EPA 8015D	-88	-88			
2017/18-2	Lab	srgt LCS, rec	3/15/2018	Hydrocarbon	n-Tetracosane	n/a	=	94	%	EPA 8015D	-88	-88	64	155	
2017/18-2	Lab	srgt LCS dup	3/15/2018	Hydrocarbon	n-Tetracosane	n/a	=	0.246	mg/L	EPA 8015D	-88	-88			
2017/18-2	Lab	srgt LCS dup, rec	3/15/2018	Hydrocarbon	n-Tetracosane	n/a	=	98	%	EPA 8015D	-88	-88	64	155	
2017/18-2	ME-CC	srgt environ	3/15/2018	Hydrocarbon	n-Tetracosane	n/a	=	0.261	mg/L	EPA 8015D	-88	-88			
2017/18-2	ME-CC	srgt environ, rec	3/15/2018	Hydrocarbon	n-Tetracosane	n/a	=	104	%	EPA 8015D	-88	-88	64	155	
2017/18-2	ME-SCR	srgt environ	3/15/2018	Hydrocarbon	n-Tetracosane	n/a	=	0.195	mg/L	EPA 8015D	-88	-88			
2017/18-2	ME-SCR	srgt environ, rec	3/15/2018	Hydrocarbon	n-Tetracosane	n/a	=	78	%	EPA 8015D	-88	-88	64	155	
2017/18-2	ME-VR2	srgt environ	3/15/2018	Hydrocarbon	n-Tetracosane	n/a	=	0.2	mg/L	EPA 8015D	-88	-88			
2017/18-2	ME-VR2	srgt environ, rec	3/15/2018	Hydrocarbon	n-Tetracosane	n/a	=	80	%	EPA 8015D	-88	-88	64	155	
2017/18-2	MO-CAM	srgt environ	3/16/2018	Hydrocarbon	n-Tetracosane	n/a	=	0.232	mg/L	EPA 8015D	-88	-88			
2017/18-2	MO-CAM	srgt environ, rec	3/16/2018	Hydrocarbon	n-Tetracosane	n/a	=	93	%	EPA 8015D	-88	-88	64	155	
2017/18-2	MO-FIL	srgt environ	3/14/2018	Hydrocarbon	n-Tetracosane	n/a	=	0.265	mg/L	EPA 8015D	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-2	MO-FIL	srgt environ, rec	3/14/2018	Hydrocarbon	n-Tetracosane	n/a	=	106	%	EPA 8015D	-88	-88	64	155	
2017/18-2	MO-MEI	srgt environ	3/14/2018	Hydrocarbon	n-Tetracosane	n/a	=	0.284	mg/L	EPA 8015D	-88	-88			
2017/18-2	MO-MEI	srgt environ, rec	3/14/2018	Hydrocarbon	n-Tetracosane	n/a	=	114	%	EPA 8015D	-88	-88	64	155	
2017/18-2	MO-MPK	srgt environ	3/15/2018	Hydrocarbon	n-Tetracosane	n/a	=	0.271	mg/L	EPA 8015D	-88	-88			
2017/18-2	MO-MPK	srgt environ, rec	3/15/2018	Hydrocarbon	n-Tetracosane	n/a	=	108	%	EPA 8015D	-88	-88	64	155	
2017/18-2	MO-OJA	srgt environ	3/14/2018	Hydrocarbon	n-Tetracosane	n/a	=	0.264	mg/L	EPA 8015D	-88	-88			
2017/18-2	MO-OJA	srgt environ, rec	3/14/2018	Hydrocarbon	n-Tetracosane	n/a	=	106	%	EPA 8015D	-88	-88	64	155	
2017/18-2	MO-OXN	srgt environ	3/16/2018	Hydrocarbon	n-Tetracosane	n/a	=	0.221	mg/L	EPA 8015D	-88	-88			
2017/18-2	MO-OXN	srgt environ, rec	3/16/2018	Hydrocarbon	n-Tetracosane	n/a	=	88	%	EPA 8015D	-88	-88	64	155	
2017/18-2	MO-SIM	srgt environ	3/15/2018	Hydrocarbon	n-Tetracosane	n/a	=	0.275	mg/L	EPA 8015D	-88	-88			
2017/18-2	MO-SIM	srgt environ, rec	3/15/2018	Hydrocarbon	n-Tetracosane	n/a	=	110	%	EPA 8015D	-88	-88	64	155	
2017/18-2	MO-SPA	srgt environ	3/14/2018	Hydrocarbon	n-Tetracosane	n/a	=	0.259	mg/L	EPA 8015D	-88	-88			
2017/18-2	MO-SPA	srgt environ, rec	3/14/2018	Hydrocarbon	n-Tetracosane	n/a	=	104	%	EPA 8015D	-88	-88	64	155	
2017/18-2	MO-THO	srgt environ	3/15/2018	Hydrocarbon	n-Tetracosane	n/a	=	0.284	mg/L	EPA 8015D	-88	-88			
2017/18-2	MO-THO	srgt environ, rec	3/15/2018	Hydrocarbon	n-Tetracosane	n/a	=	114	%	EPA 8015D	-88	-88	64	155	
2017/18-2	MO-VEN	srgt environ	3/15/2018	Hydrocarbon	n-Tetracosane	n/a	=	0.271	mg/L	EPA 8015D	-88	-88			
2017/18-2	MO-VEN	srgt environ, rec	3/15/2018	Hydrocarbon	n-Tetracosane	n/a	=	108	%	EPA 8015D	-88	-88	64	155	
2017/18-2	Lab	LCS	3/13/2018	Hydrocarbon	Oil and Grease	n/a	DNQ	4.3	mg/L	EPA 1664A	1.3	5			
2017/18-2	Lab	LCS	3/13/2018	Hydrocarbon	Oil and Grease	n/a	=	17.6	mg/L	EPA 1664A	1.3	5			
2017/18-2	Lab	LCS dup	3/13/2018	Hydrocarbon	Oil and Grease	n/a	=	17.7	mg/L	EPA 1664A	1.3	5			
2017/18-2	Lab	LCS dup, rec	3/13/2018	Hydrocarbon	Oil and Grease	n/a	=	88	%	EPA 1664A	-88	-88	78	114	
2017/18-2	Lab	LCS, rec	3/13/2018	Hydrocarbon	Oil and Grease	n/a	=	88	%	EPA 1664A	-88	-88	78	114	
2017/18-2	Lab	LCS, rec	3/13/2018	Hydrocarbon	Oil and Grease	n/a	=	86	%	EPA 1664A	-88	-88	78	114	
2017/18-2	Lab	LCS, RPD	3/13/2018	Hydrocarbon	Oil and Grease	n/a	=	0.6	%	EPA 1664A	-88	-88	0	18	
2017/18-2	Lab	method blank	3/13/2018	Hydrocarbon	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5			
2017/18-2	Lab	LCS	3/20/2018	Hydrocarbon	Oil and Grease	n/a	=	17.2	mg/L	EPA 1664A	1.3	5			
2017/18-2	Lab	LCS	3/20/2018	Hydrocarbon	Oil and Grease	n/a	DNQ	3.9	mg/L	EPA 1664A	1.3	5			
2017/18-2	Lab	LCS dup	3/20/2018	Hydrocarbon	Oil and Grease	n/a	=	16.9	mg/L	EPA 1664A	1.3	5			
2017/18-2	Lab	LCS dup, rec	3/20/2018	Hydrocarbon	Oil and Grease	n/a	=	84	%	EPA 1664A	-88	-88	78	114	
2017/18-2	Lab	LCS, rec	3/20/2018	Hydrocarbon	Oil and Grease	n/a	=	78	%	EPA 1664A	-88	-88	78	114	
2017/18-2	Lab	LCS, rec	3/20/2018	Hydrocarbon	Oil and Grease	n/a	=	86	%	EPA 1664A	-88	-88	78	114	
2017/18-2	Lab	LCS, RPD	3/20/2018	Hydrocarbon	Oil and Grease	n/a	=	2	%	EPA 1664A	-88	-88	0	18	
2017/18-2	Lab	method blank	3/20/2018	Hydrocarbon	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5			
2017/18-2	ME-CC	matrix spike	3/20/2018	Hydrocarbon	Oil and Grease	n/a	=	20.8	mg/L	EPA 1664A	1.3	5			
2017/18-2	ME-CC	matrix spike, rec	3/20/2018	Hydrocarbon	Oil and Grease	n/a	=	92	%	EPA 1664A	-88	-88	78	114	
2017/18-2	ME-SCR	matrix spike	3/13/2018	Hydrocarbon	Oil and Grease	n/a	=	20.4	mg/L	EPA 1664A	1.3	5			
2017/18-2	ME-SCR	matrix spike, rec	3/13/2018	Hydrocarbon	Oil and Grease	n/a	=	92	%	EPA 1664A	-88	-88	78	114	
2017/18-2	MO-CAM	field duplicate	3/13/2018	Hydrocarbon	Oil and Grease	n/a	DNQ	1.4	mg/L	EPA 1664A	1.3	5			
2017/18-2	MO-THO	field blank	3/13/2018	Hydrocarbon	Oil and Grease	n/a	DNQ	1.3	mg/L	EPA 1664A	1.3	5			
2017/18-2	Lab	method blank	3/14/2018	Hydrocarbon	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5			
2017/18-2	Lab	method blank	3/15/2018	Hydrocarbon	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5			
2017/18-2	Lab	method blank	3/19/2018	Metal	Aluminum	Dissolved	<	1.3	µg/L	EPA 200.8	1.3	5			
2017/18-2	Lab	LCS	3/19/2018	Metal	Aluminum	Dissolved	=	48.8	µg/L	EPA 200.8	1.3	5			
2017/18-2	Lab	LCS, rec	3/19/2018	Metal	Aluminum	Dissolved	=	98	%	EPA 200.8	-88	-88	85	115	
2017/18-2	Lab	method blank	3/21/2018	Metal	Aluminum	Dissolved	DNQ	1.4	µg/L	EPA 200.8	1.3	5			IP
2017/18-2	Lab	LCS	3/21/2018	Metal	Aluminum	Dissolved	=	53.3	µg/L	EPA 200.8	1.3	5			
2017/18-2	Lab	LCS, rec	3/21/2018	Metal	Aluminum	Dissolved	=	107	%	EPA 200.8	-88	-88	85	115	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-2	000NONPJ	matrix spike	3/21/2018	Metal	Aluminum	Total	=	573	µg/L	EPA 200.8	1.3	5			GB
2017/18-2	000NONPJ	matrix spike, rec	3/21/2018	Metal	Aluminum	Total	=	181	%	EPA 200.8	-88	-88	70	130	GB
2017/18-2	000NONPJ	matrix spike dup	3/21/2018	Metal	Aluminum	Total	=	551	µg/L	EPA 200.8	1.3	5			GB
2017/18-2	000NONPJ	matrix spike dup, rec	3/21/2018	Metal	Aluminum	Total	=	137	%	EPA 200.8	-88	-88	70	130	GB
2017/18-2	000NONPJ	matrix spike, RPD	3/21/2018	Metal	Aluminum	Total	=	4	%	EPA 200.8	-88	-88	0	30	
2017/18-2	000NONPJ	matrix spike	3/21/2018	Metal	Aluminum	Total	=	450	µg/L	EPA 200.8	1.3	5			GB
2017/18-2	000NONPJ	matrix spike, rec	3/21/2018	Metal	Aluminum	Total	=	275	%	EPA 200.8	-88	-88	70	130	GB
2017/18-2	000NONPJ	matrix spike dup	3/21/2018	Metal	Aluminum	Total	=	435	µg/L	EPA 200.8	1.3	5			GB
2017/18-2	000NONPJ	matrix spike dup, rec	3/21/2018	Metal	Aluminum	Total	=	246	%	EPA 200.8	-88	-88	70	130	GB
2017/18-2	000NONPJ	matrix spike, RPD	3/21/2018	Metal	Aluminum	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2017/18-2	Lab	method blank	3/19/2018	Metal	Aluminum	Total	<	1.3	µg/L	EPA 200.8	1.3	5			
2017/18-2	Lab	LCS	3/19/2018	Metal	Aluminum	Total	=	48.8	µg/L	EPA 200.8	1.3	5			
2017/18-2	Lab	LCS, rec	3/19/2018	Metal	Aluminum	Total	=	98	%	EPA 200.8	-88	-88	85	115	
2017/18-2	Lab	method blank	3/21/2018	Metal	Aluminum	Total	DNQ	1.6	µg/L	EPA 200.8	1.3	5			IP
2017/18-2	Lab	LCS	3/21/2018	Metal	Aluminum	Total	=	53.3	µg/L	EPA 200.8	1.3	5			
2017/18-2	Lab	LCS, rec	3/21/2018	Metal	Aluminum	Total	=	107	%	EPA 200.8	-88	-88	85	115	
2017/18-2	ME-VR2	matrix spike	3/19/2018	Metal	Aluminum	Total	=	8890	µg/L	EPA 200.8	1.3	5			GB
2017/18-2	ME-VR2	matrix spike, rec	3/19/2018	Metal	Aluminum	Total	=	451	%	EPA 200.8	-88	-88	70	130	GB
2017/18-2	ME-VR2	matrix spike dup	3/19/2018	Metal	Aluminum	Total	=	8930	µg/L	EPA 200.8	1.3	5			GB
2017/18-2	ME-VR2	matrix spike dup, rec	3/19/2018	Metal	Aluminum	Total	=	529	%	EPA 200.8	-88	-88	70	130	GB
2017/18-2	ME-VR2	matrix spike, RPD	3/19/2018	Metal	Aluminum	Total	=	0.4	%	EPA 200.8	-88	-88	0	30	
2017/18-2	MO-CAM	matrix spike	3/19/2018	Metal	Aluminum	Total	=	3380	µg/L	EPA 200.8	1.3	5			GB
2017/18-2	MO-CAM	matrix spike, rec	3/19/2018	Metal	Aluminum	Total	=	369	%	EPA 200.8	-88	-88	70	130	GB
2017/18-2	MO-CAM	matrix spike dup	3/19/2018	Metal	Aluminum	Total	=	3410	µg/L	EPA 200.8	1.3	5			GB
2017/18-2	MO-CAM	matrix spike dup, rec	3/19/2018	Metal	Aluminum	Total	=	428	%	EPA 200.8	-88	-88	70	130	GB
2017/18-2	MO-CAM	matrix spike, RPD	3/19/2018	Metal	Aluminum	Total	=	0.9	%	EPA 200.8	-88	-88	0	30	
2017/18-2	Lab	method blank	3/14/2018	Metal	Antimony	Dissolved	<	0.045	µg/L	EPA 200.8	0.045	0.5			
2017/18-2	Lab	LCS	3/14/2018	Metal	Antimony	Dissolved	=	48.1	µg/L	EPA 200.8	0.045	0.5			
2017/18-2	Lab	LCS, rec	3/14/2018	Metal	Antimony	Dissolved	=	96	%	EPA 200.8	-88	-88	85	115	
2017/18-2	Lab	method blank	3/20/2018	Metal	Antimony	Dissolved	<	0.045	µg/L	EPA 200.8	0.045	0.5			
2017/18-2	Lab	LCS	3/20/2018	Metal	Antimony	Dissolved	=	48.1	µg/L	EPA 200.8	0.045	0.5			
2017/18-2	Lab	LCS, rec	3/20/2018	Metal	Antimony	Dissolved	=	96	%	EPA 200.8	-88	-88	85	115	
2017/18-2	000NONPJ	matrix spike	3/14/2018	Metal	Antimony	Total	=	45.6	µg/L	EPA 200.8	0.045	0.5			
2017/18-2	000NONPJ	matrix spike, rec	3/14/2018	Metal	Antimony	Total	=	89	%	EPA 200.8	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike dup	3/14/2018	Metal	Antimony	Total	=	45.7	µg/L	EPA 200.8	0.045	0.5			
2017/18-2	000NONPJ	matrix spike dup, rec	3/14/2018	Metal	Antimony	Total	=	90	%	EPA 200.8	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike, RPD	3/14/2018	Metal	Antimony	Total	=	0.3	%	EPA 200.8	-88	-88	0	30	
2017/18-2	Lab	method blank	3/14/2018	Metal	Antimony	Total	<	0.045	µg/L	EPA 200.8	0.045	0.5			
2017/18-2	Lab	LCS	3/14/2018	Metal	Antimony	Total	=	48.1	µg/L	EPA 200.8	0.045	0.5			
2017/18-2	Lab	LCS, rec	3/14/2018	Metal	Antimony	Total	=	96	%	EPA 200.8	-88	-88	85	115	
2017/18-2	Lab	method blank	3/20/2018	Metal	Antimony	Total	<	0.045	µg/L	EPA 200.8	0.045	0.5			
2017/18-2	Lab	LCS	3/20/2018	Metal	Antimony	Total	=	48.1	µg/L	EPA 200.8	0.045	0.5			
2017/18-2	Lab	LCS, rec	3/20/2018	Metal	Antimony	Total	=	96	%	EPA 200.8	-88	-88	85	115	
2017/18-2	ME-VR2	matrix spike	3/20/2018	Metal	Antimony	Total	=	29.6	µg/L	EPA 200.8	0.045	0.5			GB
2017/18-2	ME-VR2	matrix spike, rec	3/20/2018	Metal	Antimony	Total	=	59	%	EPA 200.8	-88	-88	70	130	GB
2017/18-2	ME-VR2	matrix spike dup	3/20/2018	Metal	Antimony	Total	=	30.1	µg/L	EPA 200.8	0.045	0.5			GB
2017/18-2	ME-VR2	matrix spike dup, rec	3/20/2018	Metal	Antimony	Total	=	60	%	EPA 200.8	-88	-88	70	130	GB

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-2	ME-VR2	matrix spike, RPD	3/20/2018	Metal	Antimony	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2017/18-2	MO-CAM	matrix spike	3/20/2018	Metal	Antimony	Total	=	44.2	µg/L	EPA 200.8	0.045	0.5			
2017/18-2	MO-CAM	matrix spike, rec	3/20/2018	Metal	Antimony	Total	=	85	%	EPA 200.8	-88	-88	70	130	
2017/18-2	MO-CAM	matrix spike dup	3/20/2018	Metal	Antimony	Total	=	46.3	µg/L	EPA 200.8	0.045	0.5			
2017/18-2	MO-CAM	matrix spike dup, rec	3/20/2018	Metal	Antimony	Total	=	89	%	EPA 200.8	-88	-88	70	130	
2017/18-2	MO-CAM	matrix spike, RPD	3/20/2018	Metal	Antimony	Total	=	5	%	EPA 200.8	-88	-88	0	30	
2017/18-2	Lab	method blank	3/14/2018	Metal	Arsenic	Dissolved	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2017/18-2	Lab	LCS	3/14/2018	Metal	Arsenic	Dissolved	=	47.8	µg/L	EPA 200.8	0.074	0.4			
2017/18-2	Lab	LCS, rec	3/14/2018	Metal	Arsenic	Dissolved	=	96	%	EPA 200.8	-88	-88	85	115	
2017/18-2	Lab	method blank	3/19/2018	Metal	Arsenic	Dissolved	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2017/18-2	Lab	LCS	3/19/2018	Metal	Arsenic	Dissolved	=	48.6	µg/L	EPA 200.8	0.074	0.4			
2017/18-2	Lab	LCS, rec	3/19/2018	Metal	Arsenic	Dissolved	=	97	%	EPA 200.8	-88	-88	85	115	
2017/18-2	000NONPJ	matrix spike	3/14/2018	Metal	Arsenic	Total	=	48.9	µg/L	EPA 200.8	0.074	0.4			
2017/18-2	000NONPJ	matrix spike, rec	3/14/2018	Metal	Arsenic	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike dup	3/14/2018	Metal	Arsenic	Total	=	48.6	µg/L	EPA 200.8	0.074	0.4			
2017/18-2	000NONPJ	matrix spike dup, rec	3/14/2018	Metal	Arsenic	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike, RPD	3/14/2018	Metal	Arsenic	Total	=	0.6	%	EPA 200.8	-88	-88	0	30	
2017/18-2	Lab	method blank	3/14/2018	Metal	Arsenic	Total	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2017/18-2	Lab	LCS	3/14/2018	Metal	Arsenic	Total	=	47.8	µg/L	EPA 200.8	0.074	0.4			
2017/18-2	Lab	LCS, rec	3/14/2018	Metal	Arsenic	Total	=	96	%	EPA 200.8	-88	-88	85	115	
2017/18-2	Lab	method blank	3/19/2018	Metal	Arsenic	Total	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2017/18-2	Lab	LCS	3/19/2018	Metal	Arsenic	Total	=	48.6	µg/L	EPA 200.8	0.074	0.4			
2017/18-2	Lab	LCS, rec	3/19/2018	Metal	Arsenic	Total	=	97	%	EPA 200.8	-88	-88	85	115	
2017/18-2	ME-VR2	matrix spike	3/19/2018	Metal	Arsenic	Total	=	53.1	µg/L	EPA 200.8	0.074	0.4			
2017/18-2	ME-VR2	matrix spike, rec	3/19/2018	Metal	Arsenic	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2017/18-2	ME-VR2	matrix spike dup	3/19/2018	Metal	Arsenic	Total	=	55.2	µg/L	EPA 200.8	0.074	0.4			
2017/18-2	ME-VR2	matrix spike dup, rec	3/19/2018	Metal	Arsenic	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2017/18-2	ME-VR2	matrix spike, RPD	3/19/2018	Metal	Arsenic	Total	=	4	%	EPA 200.8	-88	-88	0	30	
2017/18-2	MO-CAM	matrix spike	3/19/2018	Metal	Arsenic	Total	=	49.7	µg/L	EPA 200.8	0.074	0.4			
2017/18-2	MO-CAM	matrix spike, rec	3/19/2018	Metal	Arsenic	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2017/18-2	MO-CAM	matrix spike dup	3/19/2018	Metal	Arsenic	Total	=	52.2	µg/L	EPA 200.8	0.074	0.4			
2017/18-2	MO-CAM	matrix spike dup, rec	3/19/2018	Metal	Arsenic	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2017/18-2	MO-CAM	matrix spike, RPD	3/19/2018	Metal	Arsenic	Total	=	5	%	EPA 200.8	-88	-88	0	30	
2017/18-2	000NONPJ	matrix spike	3/14/2018	Metal	Barium	Total	=	78.5	µg/L	EPA 200.8	0.071	0.5			
2017/18-2	000NONPJ	matrix spike, rec	3/14/2018	Metal	Barium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike dup	3/14/2018	Metal	Barium	Total	=	78.9	µg/L	EPA 200.8	0.071	0.5			
2017/18-2	000NONPJ	matrix spike dup, rec	3/14/2018	Metal	Barium	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike, RPD	3/14/2018	Metal	Barium	Total	=	0.6	%	EPA 200.8	-88	-88	0	30	
2017/18-2	Lab	method blank	3/14/2018	Metal	Barium	Total	<	0.071	µg/L	EPA 200.8	0.071	0.5			
2017/18-2	Lab	LCS	3/14/2018	Metal	Barium	Total	=	49.7	µg/L	EPA 200.8	0.071	0.5			
2017/18-2	Lab	LCS, rec	3/14/2018	Metal	Barium	Total	=	99	%	EPA 200.8	-88	-88	85	115	
2017/18-2	Lab	method blank	3/19/2018	Metal	Barium	Total	<	0.071	µg/L	EPA 200.8	0.071	0.5			
2017/18-2	Lab	LCS	3/19/2018	Metal	Barium	Total	=	48.7	µg/L	EPA 200.8	0.071	0.5			
2017/18-2	Lab	LCS, rec	3/19/2018	Metal	Barium	Total	=	97	%	EPA 200.8	-88	-88	85	115	
2017/18-2	ME-VR2	matrix spike	3/19/2018	Metal	Barium	Total	=	271	µg/L	EPA 200.8	0.071	0.5			
2017/18-2	ME-VR2	matrix spike, rec	3/19/2018	Metal	Barium	Total	=	87	%	EPA 200.8	-88	-88	70	130	
2017/18-2	ME-VR2	matrix spike dup	3/19/2018	Metal	Barium	Total	=	268	µg/L	EPA 200.8	0.071	0.5			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-2	ME-VR2	matrix spike dup, rec	3/19/2018	Metal	Barium	Total	=	82	%	EPA 200.8	-88	-88	70	130	
2017/18-2	ME-VR2	matrix spike, RPD	3/19/2018	Metal	Barium	Total	=	0.8	%	EPA 200.8	-88	-88	0	30	
2017/18-2	MO-CAM	matrix spike	3/19/2018	Metal	Barium	Total	=	104	µg/L	EPA 200.8	0.071	0.5			
2017/18-2	MO-CAM	matrix spike, rec	3/19/2018	Metal	Barium	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2017/18-2	MO-CAM	matrix spike dup	3/19/2018	Metal	Barium	Total	=	106	µg/L	EPA 200.8	0.071	0.5			
2017/18-2	MO-CAM	matrix spike dup, rec	3/19/2018	Metal	Barium	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2017/18-2	MO-CAM	matrix spike, RPD	3/19/2018	Metal	Barium	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2017/18-2	Lab	method blank	3/15/2018	Metal	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2017/18-2	Lab	LCS	3/15/2018	Metal	Beryllium	Dissolved	=	46.9	µg/L	EPA 200.8	0.033	0.1			
2017/18-2	Lab	LCS, rec	3/15/2018	Metal	Beryllium	Dissolved	=	94	%	EPA 200.8	-88	-88	85	115	
2017/18-2	Lab	method blank	3/20/2018	Metal	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2017/18-2	Lab	LCS	3/20/2018	Metal	Beryllium	Dissolved	=	46.7	µg/L	EPA 200.8	0.033	0.1			
2017/18-2	Lab	LCS, rec	3/20/2018	Metal	Beryllium	Dissolved	=	93	%	EPA 200.8	-88	-88	85	115	
2017/18-2	000NONPJ	matrix spike	3/15/2018	Metal	Beryllium	Total	=	47	µg/L	EPA 200.8	0.033	0.1			
2017/18-2	000NONPJ	matrix spike, rec	3/15/2018	Metal	Beryllium	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike dup	3/15/2018	Metal	Beryllium	Total	=	47.4	µg/L	EPA 200.8	0.033	0.1			
2017/18-2	000NONPJ	matrix spike dup, rec	3/15/2018	Metal	Beryllium	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike, RPD	3/15/2018	Metal	Beryllium	Total	=	0.8	%	EPA 200.8	-88	-88	0	30	
2017/18-2	Lab	method blank	3/15/2018	Metal	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2017/18-2	Lab	LCS	3/15/2018	Metal	Beryllium	Total	=	46.9	µg/L	EPA 200.8	0.033	0.1			
2017/18-2	Lab	LCS, rec	3/15/2018	Metal	Beryllium	Total	=	94	%	EPA 200.8	-88	-88	85	115	
2017/18-2	Lab	method blank	3/20/2018	Metal	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2017/18-2	Lab	LCS	3/20/2018	Metal	Beryllium	Total	=	46.7	µg/L	EPA 200.8	0.033	0.1			
2017/18-2	Lab	LCS, rec	3/20/2018	Metal	Beryllium	Total	=	93	%	EPA 200.8	-88	-88	85	115	
2017/18-2	ME-VR2	matrix spike	3/20/2018	Metal	Beryllium	Total	=	50.2	µg/L	EPA 200.8	0.033	0.1			
2017/18-2	ME-VR2	matrix spike, rec	3/20/2018	Metal	Beryllium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2017/18-2	ME-VR2	matrix spike dup	3/20/2018	Metal	Beryllium	Total	=	51.3	µg/L	EPA 200.8	0.033	0.1			
2017/18-2	ME-VR2	matrix spike dup, rec	3/20/2018	Metal	Beryllium	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2017/18-2	ME-VR2	matrix spike, RPD	3/20/2018	Metal	Beryllium	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2017/18-2	MO-CAM	matrix spike	3/20/2018	Metal	Beryllium	Total	=	47.6	µg/L	EPA 200.8	0.033	0.1			
2017/18-2	MO-CAM	matrix spike, rec	3/20/2018	Metal	Beryllium	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2017/18-2	MO-CAM	matrix spike dup	3/20/2018	Metal	Beryllium	Total	=	48.9	µg/L	EPA 200.8	0.033	0.1			
2017/18-2	MO-CAM	matrix spike dup, rec	3/20/2018	Metal	Beryllium	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2017/18-2	MO-CAM	matrix spike, RPD	3/20/2018	Metal	Beryllium	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2017/18-2	Lab	method blank	3/14/2018	Metal	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2017/18-2	Lab	LCS	3/14/2018	Metal	Cadmium	Dissolved	=	48.1	µg/L	EPA 200.8	0.041	0.1			
2017/18-2	Lab	LCS, rec	3/14/2018	Metal	Cadmium	Dissolved	=	96	%	EPA 200.8	-88	-88	85	115	
2017/18-2	Lab	method blank	3/19/2018	Metal	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2017/18-2	Lab	LCS	3/19/2018	Metal	Cadmium	Dissolved	=	49	µg/L	EPA 200.8	0.041	0.1			
2017/18-2	Lab	LCS, rec	3/19/2018	Metal	Cadmium	Dissolved	=	98	%	EPA 200.8	-88	-88	85	115	
2017/18-2	000NONPJ	matrix spike	3/14/2018	Metal	Cadmium	Total	=	48.3	µg/L	EPA 200.8	0.041	0.1			
2017/18-2	000NONPJ	matrix spike, rec	3/14/2018	Metal	Cadmium	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike dup	3/14/2018	Metal	Cadmium	Total	=	48.3	µg/L	EPA 200.8	0.041	0.1			
2017/18-2	000NONPJ	matrix spike dup, rec	3/14/2018	Metal	Cadmium	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike, RPD	3/14/2018	Metal	Cadmium	Total	=	0	%	EPA 200.8	-88	-88	0	30	
2017/18-2	Lab	method blank	3/14/2018	Metal	Cadmium	Total	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2017/18-2	Lab	LCS	3/14/2018	Metal	Cadmium	Total	=	48.1	µg/L	EPA 200.8	0.041	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-2	Lab	LCS, rec	3/14/2018	Metal	Cadmium	Total	=	96	%	EPA 200.8	-88	-88	85	115	
2017/18-2	Lab	method blank	3/19/2018	Metal	Cadmium	Total	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2017/18-2	Lab	LCS	3/19/2018	Metal	Cadmium	Total	=	49	µg/L	EPA 200.8	0.041	0.1			
2017/18-2	Lab	LCS, rec	3/19/2018	Metal	Cadmium	Total	=	98	%	EPA 200.8	-88	-88	85	115	
2017/18-2	ME-VR2	matrix spike	3/19/2018	Metal	Cadmium	Total	=	50.4	µg/L	EPA 200.8	0.041	0.1			
2017/18-2	ME-VR2	matrix spike, rec	3/19/2018	Metal	Cadmium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2017/18-2	ME-VR2	matrix spike dup	3/19/2018	Metal	Cadmium	Total	=	52.8	µg/L	EPA 200.8	0.041	0.1			
2017/18-2	ME-VR2	matrix spike dup, rec	3/19/2018	Metal	Cadmium	Total	=	105	%	EPA 200.8	-88	-88	70	130	
2017/18-2	ME-VR2	matrix spike, RPD	3/19/2018	Metal	Cadmium	Total	=	5	%	EPA 200.8	-88	-88	0	30	
2017/18-2	MO-CAM	matrix spike	3/19/2018	Metal	Cadmium	Total	=	49.6	µg/L	EPA 200.8	0.041	0.1			
2017/18-2	MO-CAM	matrix spike, rec	3/19/2018	Metal	Cadmium	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2017/18-2	MO-CAM	matrix spike dup	3/19/2018	Metal	Cadmium	Total	=	51.6	µg/L	EPA 200.8	0.041	0.1			
2017/18-2	MO-CAM	matrix spike dup, rec	3/19/2018	Metal	Cadmium	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2017/18-2	MO-CAM	matrix spike, RPD	3/19/2018	Metal	Cadmium	Total	=	4	%	EPA 200.8	-88	-88	0	30	
2017/18-2	Lab	method blank	3/19/2018	Metal	Chromium	Dissolved	<	0.035	µg/L	EPA 200.8	0.035	0.2			
2017/18-2	Lab	LCS	3/19/2018	Metal	Chromium	Dissolved	=	48.8	µg/L	EPA 200.8	0.035	0.2			
2017/18-2	Lab	LCS, rec	3/19/2018	Metal	Chromium	Dissolved	=	98	%	EPA 200.8	-88	-88	85	115	
2017/18-2	Lab	method blank	3/21/2018	Metal	Chromium	Dissolved	<	0.035	µg/L	EPA 200.8	0.035	0.2			
2017/18-2	Lab	LCS	3/21/2018	Metal	Chromium	Dissolved	=	50.9	µg/L	EPA 200.8	0.035	0.2			
2017/18-2	Lab	LCS, rec	3/21/2018	Metal	Chromium	Dissolved	=	102	%	EPA 200.8	-88	-88	85	115	
2017/18-2	000NONPJ	matrix spike	3/21/2018	Metal	Chromium	Total	=	52.4	µg/L	EPA 200.8	0.035	0.2			
2017/18-2	000NONPJ	matrix spike, rec	3/21/2018	Metal	Chromium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike dup	3/21/2018	Metal	Chromium	Total	=	51.1	µg/L	EPA 200.8	0.035	0.2			
2017/18-2	000NONPJ	matrix spike dup, rec	3/21/2018	Metal	Chromium	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike, RPD	3/21/2018	Metal	Chromium	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2017/18-2	000NONPJ	matrix spike	3/21/2018	Metal	Chromium	Total	=	51.8	µg/L	EPA 200.8	0.035	0.2			
2017/18-2	000NONPJ	matrix spike, rec	3/21/2018	Metal	Chromium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike dup	3/21/2018	Metal	Chromium	Total	=	51	µg/L	EPA 200.8	0.035	0.2			
2017/18-2	000NONPJ	matrix spike dup, rec	3/21/2018	Metal	Chromium	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike, RPD	3/21/2018	Metal	Chromium	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2017/18-2	Lab	method blank	3/19/2018	Metal	Chromium	Total	<	0.035	µg/L	EPA 200.8	0.035	0.2			
2017/18-2	Lab	LCS	3/19/2018	Metal	Chromium	Total	=	48.8	µg/L	EPA 200.8	0.035	0.2			
2017/18-2	Lab	LCS, rec	3/19/2018	Metal	Chromium	Total	=	98	%	EPA 200.8	-88	-88	85	115	
2017/18-2	Lab	method blank	3/21/2018	Metal	Chromium	Total	<	0.035	µg/L	EPA 200.8	0.035	0.2			
2017/18-2	Lab	LCS	3/21/2018	Metal	Chromium	Total	=	50.9	µg/L	EPA 200.8	0.035	0.2			
2017/18-2	Lab	LCS, rec	3/21/2018	Metal	Chromium	Total	=	102	%	EPA 200.8	-88	-88	85	115	
2017/18-2	ME-VR2	matrix spike	3/19/2018	Metal	Chromium	Total	=	58.4	µg/L	EPA 200.8	0.035	0.2			
2017/18-2	ME-VR2	matrix spike, rec	3/19/2018	Metal	Chromium	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2017/18-2	ME-VR2	matrix spike dup	3/19/2018	Metal	Chromium	Total	=	60.2	µg/L	EPA 200.8	0.035	0.2			
2017/18-2	ME-VR2	matrix spike dup, rec	3/19/2018	Metal	Chromium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2017/18-2	ME-VR2	matrix spike, RPD	3/19/2018	Metal	Chromium	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2017/18-2	MO-CAM	matrix spike	3/19/2018	Metal	Chromium	Total	=	55.5	µg/L	EPA 200.8	0.035	0.2			
2017/18-2	MO-CAM	matrix spike, rec	3/19/2018	Metal	Chromium	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2017/18-2	MO-CAM	matrix spike dup	3/19/2018	Metal	Chromium	Total	=	57.6	µg/L	EPA 200.8	0.035	0.2			
2017/18-2	MO-CAM	matrix spike dup, rec	3/19/2018	Metal	Chromium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2017/18-2	MO-CAM	matrix spike, RPD	3/19/2018	Metal	Chromium	Total	=	4	%	EPA 200.8	-88	-88	0	30	
2017/18-2	000NONPJ	matrix spike	3/9/2018	Metal	Chromium VI	n/a	=	26.6	µg/L	EPA 218.6	0.024	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-2	000NONPJ	matrix spike, rec	3/9/2018	Metal	Chromium VI	n/a	=	105	%	EPA 218.6	-88	-88	88	112	
2017/18-2	000NONPJ	matrix spike dup	3/9/2018	Metal	Chromium VI	n/a	=	26.5	µg/L	EPA 218.6	0.024	0.1			
2017/18-2	000NONPJ	matrix spike dup, rec	3/9/2018	Metal	Chromium VI	n/a	=	105	%	EPA 218.6	-88	-88	88	112	
2017/18-2	000NONPJ	matrix spike, RPD	3/9/2018	Metal	Chromium VI	n/a	=	0.4	%	EPA 218.6	-88	-88	0	10	
2017/18-2	000NONPJ	matrix spike	3/9/2018	Metal	Chromium VI	n/a	=	26.8	µg/L	EPA 218.6	0.024	0.1			
2017/18-2	000NONPJ	matrix spike, rec	3/9/2018	Metal	Chromium VI	n/a	=	106	%	EPA 218.6	-88	-88	88	112	
2017/18-2	000NONPJ	matrix spike dup	3/9/2018	Metal	Chromium VI	n/a	=	26.7	µg/L	EPA 218.6	0.024	0.1			
2017/18-2	000NONPJ	matrix spike dup, rec	3/9/2018	Metal	Chromium VI	n/a	=	106	%	EPA 218.6	-88	-88	88	112	
2017/18-2	000NONPJ	matrix spike, RPD	3/9/2018	Metal	Chromium VI	n/a	=	0.3	%	EPA 218.6	-88	-88	0	10	
2017/18-2	000NONPJ	matrix spike	3/14/2018	Metal	Chromium VI	n/a	=	5.6	µg/L	EPA 218.6	0.0048	0.02			
2017/18-2	000NONPJ	matrix spike, rec	3/14/2018	Metal	Chromium VI	n/a	=	103	%	EPA 218.6	-88	-88	88	112	
2017/18-2	000NONPJ	matrix spike dup	3/14/2018	Metal	Chromium VI	n/a	=	5.63	µg/L	EPA 218.6	0.0048	0.02			
2017/18-2	000NONPJ	matrix spike dup, rec	3/14/2018	Metal	Chromium VI	n/a	=	104	%	EPA 218.6	-88	-88	88	112	
2017/18-2	000NONPJ	matrix spike, RPD	3/14/2018	Metal	Chromium VI	n/a	=	0.5	%	EPA 218.6	-88	-88	0	10	
2017/18-2	000NONPJ	matrix spike	3/14/2018	Metal	Chromium VI	n/a	=	5.08	µg/L	EPA 218.6	0.0048	0.02			
2017/18-2	000NONPJ	matrix spike, rec	3/14/2018	Metal	Chromium VI	n/a	=	102	%	EPA 218.6	-88	-88	88	112	
2017/18-2	000NONPJ	matrix spike dup	3/14/2018	Metal	Chromium VI	n/a	=	5.1	µg/L	EPA 218.6	0.0048	0.02			
2017/18-2	000NONPJ	matrix spike dup, rec	3/14/2018	Metal	Chromium VI	n/a	=	102	%	EPA 218.6	-88	-88	88	112	
2017/18-2	000NONPJ	matrix spike, RPD	3/14/2018	Metal	Chromium VI	n/a	=	0.4	%	EPA 218.6	-88	-88	0	10	
2017/18-2	Lab	method blank	3/9/2018	Metal	Chromium VI	n/a	<	0.0048	µg/L	EPA 218.6	0.0048	0.02			
2017/18-2	Lab	LCS	3/9/2018	Metal	Chromium VI	n/a	=	5.26	µg/L	EPA 218.6	0.0048	0.02			
2017/18-2	Lab	LCS, rec	3/9/2018	Metal	Chromium VI	n/a	=	105	%	EPA 218.6	-88	-88	90	110	
2017/18-2	Lab	method blank	3/11/2018	Metal	Chromium VI	n/a	<	0.0048	µg/L	EPA 218.6	0.0048	0.02			
2017/18-2	Lab	LCS	3/11/2018	Metal	Chromium VI	n/a	=	5.03	µg/L	EPA 218.6	0.0048	0.02			
2017/18-2	Lab	LCS, rec	3/11/2018	Metal	Chromium VI	n/a	=	101	%	EPA 218.6	-88	-88	90	110	
2017/18-2	Lab	method blank	3/14/2018	Metal	Chromium VI	n/a	<	0.0048	µg/L	EPA 218.6	0.0048	0.02			
2017/18-2	Lab	LCS	3/14/2018	Metal	Chromium VI	n/a	=	5.02	µg/L	EPA 218.6	0.0048	0.02			
2017/18-2	Lab	LCS, rec	3/14/2018	Metal	Chromium VI	n/a	=	100	%	EPA 218.6	-88	-88	90	110	
2017/18-2	ME-SCR	matrix spike	3/11/2018	Metal	Chromium VI	n/a	=	5.1	µg/L	EPA 218.6	0.0048	0.02			
2017/18-2	ME-SCR	matrix spike, rec	3/11/2018	Metal	Chromium VI	n/a	=	101	%	EPA 218.6	-88	-88	88	112	
2017/18-2	ME-SCR	matrix spike dup	3/11/2018	Metal	Chromium VI	n/a	=	5.17	µg/L	EPA 218.6	0.0048	0.02			
2017/18-2	ME-SCR	matrix spike dup, rec	3/11/2018	Metal	Chromium VI	n/a	=	102	%	EPA 218.6	-88	-88	88	112	
2017/18-2	ME-SCR	matrix spike, RPD	3/11/2018	Metal	Chromium VI	n/a	=	1	%	EPA 218.6	-88	-88	0	10	
2017/18-2	Lab	method blank	3/14/2018	Metal	Copper	Dissolved	<	0.13	µg/L	EPA 200.8	0.13	0.5			
2017/18-2	Lab	LCS	3/14/2018	Metal	Copper	Dissolved	=	50.1	µg/L	EPA 200.8	0.13	0.5			
2017/18-2	Lab	LCS, rec	3/14/2018	Metal	Copper	Dissolved	=	100	%	EPA 200.8	-88	-88	85	115	
2017/18-2	Lab	method blank	3/19/2018	Metal	Copper	Dissolved	<	0.13	µg/L	EPA 200.8	0.13	0.5			
2017/18-2	Lab	LCS	3/19/2018	Metal	Copper	Dissolved	=	48.6	µg/L	EPA 200.8	0.13	0.5			
2017/18-2	Lab	LCS, rec	3/19/2018	Metal	Copper	Dissolved	=	97	%	EPA 200.8	-88	-88	85	115	
2017/18-2	000NONPJ	matrix spike	3/14/2018	Metal	Copper	Total	=	61.5	µg/L	EPA 200.8	0.13	0.5			
2017/18-2	000NONPJ	matrix spike, rec	3/14/2018	Metal	Copper	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike dup	3/14/2018	Metal	Copper	Total	=	61.8	µg/L	EPA 200.8	0.13	0.5			
2017/18-2	000NONPJ	matrix spike dup, rec	3/14/2018	Metal	Copper	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike, RPD	3/14/2018	Metal	Copper	Total	=	0.5	%	EPA 200.8	-88	-88	0	30	
2017/18-2	Lab	method blank	3/14/2018	Metal	Copper	Total	<	0.13	µg/L	EPA 200.8	0.13	0.5			
2017/18-2	Lab	LCS	3/14/2018	Metal	Copper	Total	=	50.1	µg/L	EPA 200.8	0.13	0.5			
2017/18-2	Lab	LCS, rec	3/14/2018	Metal	Copper	Total	=	100	%	EPA 200.8	-88	-88	85	115	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-2	Lab	method blank	3/19/2018	Metal	Copper	Total	<	0.13	µg/L	EPA 200.8	0.13	0.5			
2017/18-2	Lab	LCS	3/19/2018	Metal	Copper	Total	=	48.6	µg/L	EPA 200.8	0.13	0.5			
2017/18-2	Lab	LCS, rec	3/19/2018	Metal	Copper	Total	=	97	%	EPA 200.8	-88	-88	85	115	
2017/18-2	ME-VR2	matrix spike	3/19/2018	Metal	Copper	Total	=	61.7	µg/L	EPA 200.8	0.13	0.5			
2017/18-2	ME-VR2	matrix spike, rec	3/19/2018	Metal	Copper	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2017/18-2	ME-VR2	matrix spike dup	3/19/2018	Metal	Copper	Total	=	64.2	µg/L	EPA 200.8	0.13	0.5			
2017/18-2	ME-VR2	matrix spike dup, rec	3/19/2018	Metal	Copper	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2017/18-2	ME-VR2	matrix spike, RPD	3/19/2018	Metal	Copper	Total	=	4	%	EPA 200.8	-88	-88	0	30	
2017/18-2	MO-CAM	matrix spike	3/19/2018	Metal	Copper	Total	=	117	µg/L	EPA 200.8	0.13	0.5			
2017/18-2	MO-CAM	matrix spike, rec	3/19/2018	Metal	Copper	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2017/18-2	MO-CAM	matrix spike dup	3/19/2018	Metal	Copper	Total	=	119	µg/L	EPA 200.8	0.13	0.5			
2017/18-2	MO-CAM	matrix spike dup, rec	3/19/2018	Metal	Copper	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2017/18-2	MO-CAM	matrix spike, RPD	3/19/2018	Metal	Copper	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2017/18-2	000NONPJ	matrix spike	3/15/2018	Metal	Iron	Dissolved	=	345	µg/L	EPA 200.7	1.1	10			
2017/18-2	000NONPJ	matrix spike, rec	3/15/2018	Metal	Iron	Dissolved	=	98	%	EPA 200.7	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike dup	3/15/2018	Metal	Iron	Dissolved	=	346	µg/L	EPA 200.7	1.1	10			
2017/18-2	000NONPJ	matrix spike dup, rec	3/15/2018	Metal	Iron	Dissolved	=	98	%	EPA 200.7	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike, RPD	3/15/2018	Metal	Iron	Dissolved	=	0.3	%	EPA 200.7	-88	-88	0	30	
2017/18-2	Lab	method blank	3/15/2018	Metal	Iron	Dissolved	<	1.1	µg/L	EPA 200.7	1.1	10			
2017/18-2	Lab	LCS	3/15/2018	Metal	Iron	Dissolved	=	195	µg/L	EPA 200.7	1.1	10			
2017/18-2	Lab	LCS, rec	3/15/2018	Metal	Iron	Dissolved	=	97	%	EPA 200.7	-88	-88	85	115	
2017/18-2	Lab	method blank	3/19/2018	Metal	Iron	Dissolved	<	1.1	µg/L	EPA 200.7	1.1	10			
2017/18-2	Lab	LCS	3/19/2018	Metal	Iron	Dissolved	=	174	µg/L	EPA 200.7	1.1	10			
2017/18-2	Lab	LCS, rec	3/19/2018	Metal	Iron	Dissolved	=	87	%	EPA 200.7	-88	-88	85	115	
2017/18-2	000NONPJ	matrix spike	3/14/2018	Metal	Iron	Total	=	370	µg/L	EPA 200.7	1.1	10			
2017/18-2	000NONPJ	matrix spike, rec	3/14/2018	Metal	Iron	Total	=	110	%	EPA 200.7	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike dup	3/14/2018	Metal	Iron	Total	=	358	µg/L	EPA 200.7	1.1	10			
2017/18-2	000NONPJ	matrix spike dup, rec	3/14/2018	Metal	Iron	Total	=	104	%	EPA 200.7	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike, RPD	3/14/2018	Metal	Iron	Total	=	3	%	EPA 200.7	-88	-88	0	30	
2017/18-2	Lab	method blank	3/14/2018	Metal	Iron	Total	<	1.1	µg/L	EPA 200.7	1.1	10			
2017/18-2	Lab	LCS	3/14/2018	Metal	Iron	Total	=	192	µg/L	EPA 200.7	1.1	10			
2017/18-2	Lab	LCS, rec	3/14/2018	Metal	Iron	Total	=	96	%	EPA 200.7	-88	-88	85	115	
2017/18-2	Lab	method blank	3/19/2018	Metal	Iron	Total	<	1.1	µg/L	EPA 200.7	1.1	10			
2017/18-2	Lab	LCS	3/19/2018	Metal	Iron	Total	=	174	µg/L	EPA 200.7	1.1	10			
2017/18-2	Lab	LCS, rec	3/19/2018	Metal	Iron	Total	=	87	%	EPA 200.7	-88	-88	85	115	
2017/18-2	ME-CC	matrix spike	3/19/2018	Metal	Iron	Total	=	3620	µg/L	EPA 200.7	1.1	10			GB
2017/18-2	ME-CC	matrix spike, rec	3/19/2018	Metal	Iron	Total	=	210	%	EPA 200.7	-88	-88	70	130	GB
2017/18-2	ME-CC	matrix spike dup	3/19/2018	Metal	Iron	Total	=	3430	µg/L	EPA 200.7	1.1	10			
2017/18-2	ME-CC	matrix spike dup, rec	3/19/2018	Metal	Iron	Total	=	113	%	EPA 200.7	-88	-88	70	130	
2017/18-2	ME-CC	matrix spike, RPD	3/19/2018	Metal	Iron	Total	=	5	%	EPA 200.7	-88	-88	0	30	
2017/18-2	ME-SCR	matrix spike	3/19/2018	Metal	Iron	Total	=	95300	µg/L	EPA 200.7	2.2	20			GB
2017/18-2	ME-SCR	matrix spike, rec	3/19/2018	Metal	Iron	Total	=	-31	%	EPA 200.7	-88	-88	70	130	GB
2017/18-2	ME-SCR	matrix spike dup	3/19/2018	Metal	Iron	Total	=	95400	µg/L	EPA 200.7	2.2	20			GB
2017/18-2	ME-SCR	matrix spike dup, rec	3/19/2018	Metal	Iron	Total	=	9	%	EPA 200.7	-88	-88	70	130	GB
2017/18-2	ME-SCR	matrix spike, RPD	3/19/2018	Metal	Iron	Total	=	0.2	%	EPA 200.7	-88	-88	0	30	
2017/18-2	Lab	method blank	3/14/2018	Metal	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2			
2017/18-2	Lab	LCS	3/14/2018	Metal	Lead	Dissolved	=	48.1	µg/L	EPA 200.8	0.031	0.2			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-2	Lab	LCS, rec	3/14/2018	Metal	Lead	Dissolved	=	96	%	EPA 200.8	-88	-88	85	115	
2017/18-2	Lab	method blank	3/19/2018	Metal	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2			
2017/18-2	Lab	LCS	3/19/2018	Metal	Lead	Dissolved	=	48.5	µg/L	EPA 200.8	0.031	0.2			
2017/18-2	Lab	LCS, rec	3/19/2018	Metal	Lead	Dissolved	=	97	%	EPA 200.8	-88	-88	85	115	
2017/18-2	000NONPJ	matrix spike	3/14/2018	Metal	Lead	Total	=	50	µg/L	EPA 200.8	0.031	0.2			
2017/18-2	000NONPJ	matrix spike, rec	3/14/2018	Metal	Lead	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike dup	3/14/2018	Metal	Lead	Total	=	50.2	µg/L	EPA 200.8	0.031	0.2			
2017/18-2	000NONPJ	matrix spike dup, rec	3/14/2018	Metal	Lead	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike, RPD	3/14/2018	Metal	Lead	Total	=	0.5	%	EPA 200.8	-88	-88	0	30	
2017/18-2	Lab	method blank	3/14/2018	Metal	Lead	Total	<	0.031	µg/L	EPA 200.8	0.031	0.2			
2017/18-2	Lab	LCS	3/14/2018	Metal	Lead	Total	=	48.1	µg/L	EPA 200.8	0.031	0.2			
2017/18-2	Lab	LCS, rec	3/14/2018	Metal	Lead	Total	=	96	%	EPA 200.8	-88	-88	85	115	
2017/18-2	Lab	method blank	3/19/2018	Metal	Lead	Total	<	0.031	µg/L	EPA 200.8	0.031	0.2			
2017/18-2	Lab	LCS	3/19/2018	Metal	Lead	Total	=	48.5	µg/L	EPA 200.8	0.031	0.2			
2017/18-2	Lab	LCS, rec	3/19/2018	Metal	Lead	Total	=	97	%	EPA 200.8	-88	-88	85	115	
2017/18-2	ME-VR2	matrix spike	3/19/2018	Metal	Lead	Total	=	59.5	µg/L	EPA 200.8	0.031	0.2			
2017/18-2	ME-VR2	matrix spike, rec	3/19/2018	Metal	Lead	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2017/18-2	ME-VR2	matrix spike dup	3/19/2018	Metal	Lead	Total	=	60.1	µg/L	EPA 200.8	0.031	0.2			
2017/18-2	ME-VR2	matrix spike dup, rec	3/19/2018	Metal	Lead	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2017/18-2	ME-VR2	matrix spike, RPD	3/19/2018	Metal	Lead	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2017/18-2	MO-CAM	matrix spike	3/19/2018	Metal	Lead	Total	=	56.2	µg/L	EPA 200.8	0.031	0.2			
2017/18-2	MO-CAM	matrix spike, rec	3/19/2018	Metal	Lead	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2017/18-2	MO-CAM	matrix spike dup	3/19/2018	Metal	Lead	Total	=	57.9	µg/L	EPA 200.8	0.031	0.2			
2017/18-2	MO-CAM	matrix spike dup, rec	3/19/2018	Metal	Lead	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2017/18-2	MO-CAM	matrix spike, RPD	3/19/2018	Metal	Lead	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2017/18-2	Lab	method blank	3/14/2018	Metal	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50			
2017/18-2	Lab	method blank	3/14/2018	Metal	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50			
2017/18-2	Lab	method blank	3/15/2018	Metal	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50			
2017/18-2	Lab	method blank	3/15/2018	Metal	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50			
2017/18-2	Lab	method blank	3/15/2018	Metal	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50			
2017/18-2	000NONPJ	matrix spike	3/14/2018	Metal	Mercury	Total	=	1020	ng/L	EPA 245.1	17	50			
2017/18-2	000NONPJ	matrix spike, rec	3/14/2018	Metal	Mercury	Total	=	102	%	EPA 245.1	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike dup	3/14/2018	Metal	Mercury	Total	=	1030	ng/L	EPA 245.1	17	50			
2017/18-2	000NONPJ	matrix spike dup, rec	3/14/2018	Metal	Mercury	Total	=	103	%	EPA 245.1	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike, RPD	3/14/2018	Metal	Mercury	Total	=	0.8	%	EPA 245.1	-88	-88	0	20	
2017/18-2	000NONPJ	matrix spike	3/14/2018	Metal	Mercury	Total	=	1020	ng/L	EPA 245.1	17	50			
2017/18-2	000NONPJ	matrix spike, rec	3/14/2018	Metal	Mercury	Total	=	102	%	EPA 245.1	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike dup	3/14/2018	Metal	Mercury	Total	=	1020	ng/L	EPA 245.1	17	50			
2017/18-2	000NONPJ	matrix spike dup, rec	3/14/2018	Metal	Mercury	Total	=	102	%	EPA 245.1	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike, RPD	3/14/2018	Metal	Mercury	Total	=	0.5	%	EPA 245.1	-88	-88	0	20	
2017/18-2	000NONPJ	matrix spike	3/15/2018	Metal	Mercury	Total	=	1020	ng/L	EPA 245.1	17	50			
2017/18-2	000NONPJ	matrix spike, rec	3/15/2018	Metal	Mercury	Total	=	102	%	EPA 245.1	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike dup	3/15/2018	Metal	Mercury	Total	=	1010	ng/L	EPA 245.1	17	50			
2017/18-2	000NONPJ	matrix spike dup, rec	3/15/2018	Metal	Mercury	Total	=	101	%	EPA 245.1	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike, RPD	3/15/2018	Metal	Mercury	Total	=	2	%	EPA 245.1	-88	-88	0	20	
2017/18-2	000NONPJ	matrix spike	3/15/2018	Metal	Mercury	Total	=	1010	ng/L	EPA 245.1	17	50			
2017/18-2	000NONPJ	matrix spike, rec	3/15/2018	Metal	Mercury	Total	=	99	%	EPA 245.1	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-2	000NONPJ	matrix spike dup	3/15/2018	Metal	Mercury	Total	=	999	ng/L	EPA 245.1	17	50			
2017/18-2	000NONPJ	matrix spike dup, rec	3/15/2018	Metal	Mercury	Total	=	98	%	EPA 245.1	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike, RPD	3/15/2018	Metal	Mercury	Total	=	1	%	EPA 245.1	-88	-88	0	20	
2017/18-2	000NONPJ	matrix spike	3/15/2018	Metal	Mercury	Total	=	1000	ng/L	EPA 245.1	17	50			
2017/18-2	000NONPJ	matrix spike, rec	3/15/2018	Metal	Mercury	Total	=	100	%	EPA 245.1	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike dup	3/15/2018	Metal	Mercury	Total	=	1010	ng/L	EPA 245.1	17	50			
2017/18-2	000NONPJ	matrix spike dup, rec	3/15/2018	Metal	Mercury	Total	=	101	%	EPA 245.1	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike, RPD	3/15/2018	Metal	Mercury	Total	=	0.3	%	EPA 245.1	-88	-88	0	20	
2017/18-2	000NONPJ	matrix spike	3/15/2018	Metal	Mercury	Total	=	1020	ng/L	EPA 245.1	17	50			
2017/18-2	000NONPJ	matrix spike, rec	3/15/2018	Metal	Mercury	Total	=	102	%	EPA 245.1	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike dup	3/15/2018	Metal	Mercury	Total	=	1030	ng/L	EPA 245.1	17	50			
2017/18-2	000NONPJ	matrix spike dup, rec	3/15/2018	Metal	Mercury	Total	=	103	%	EPA 245.1	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike, RPD	3/15/2018	Metal	Mercury	Total	=	0.9	%	EPA 245.1	-88	-88	0	20	
2017/18-2	Lab	method blank	3/14/2018	Metal	Mercury	Total	<	17	ng/L	EPA 245.1	17	50			
2017/18-2	Lab	LCS	3/14/2018	Metal	Mercury	Total	=	1020	ng/L	EPA 245.1	17	50			
2017/18-2	Lab	LCS, rec	3/14/2018	Metal	Mercury	Total	=	102	%	EPA 245.1	-88	-88	85	115	
2017/18-2	Lab	method blank	3/15/2018	Metal	Mercury	Total	<	17	ng/L	EPA 245.1	17	50			
2017/18-2	Lab	LCS	3/15/2018	Metal	Mercury	Total	=	1030	ng/L	EPA 245.1	17	50			
2017/18-2	Lab	LCS, rec	3/15/2018	Metal	Mercury	Total	=	103	%	EPA 245.1	-88	-88	85	115	
2017/18-2	Lab	method blank	3/15/2018	Metal	Mercury	Total	<	17	ng/L	EPA 245.1	17	50			
2017/18-2	Lab	LCS	3/15/2018	Metal	Mercury	Total	=	1010	ng/L	EPA 245.1	17	50			
2017/18-2	Lab	LCS, rec	3/15/2018	Metal	Mercury	Total	=	101	%	EPA 245.1	-88	-88	85	115	
2017/18-2	Lab	method blank	3/19/2018	Metal	Nickel	Dissolved	DNQ	0.0539	µg/L	EPA 200.8	0.045	0.8			IP
2017/18-2	Lab	LCS	3/19/2018	Metal	Nickel	Dissolved	=	48.7	µg/L	EPA 200.8	0.045	0.8			
2017/18-2	Lab	LCS, rec	3/19/2018	Metal	Nickel	Dissolved	=	97	%	EPA 200.8	-88	-88	85	115	
2017/18-2	Lab	method blank	3/21/2018	Metal	Nickel	Dissolved	DNQ	0.079	µg/L	EPA 200.8	0.045	0.8			IP
2017/18-2	Lab	LCS	3/21/2018	Metal	Nickel	Dissolved	=	51.2	µg/L	EPA 200.8	0.045	0.8			
2017/18-2	Lab	LCS, rec	3/21/2018	Metal	Nickel	Dissolved	=	102	%	EPA 200.8	-88	-88	85	115	
2017/18-2	000NONPJ	matrix spike	3/21/2018	Metal	Nickel	Total	=	52.9	µg/L	EPA 200.8	0.045	0.8			
2017/18-2	000NONPJ	matrix spike, rec	3/21/2018	Metal	Nickel	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike dup	3/21/2018	Metal	Nickel	Total	=	52.4	µg/L	EPA 200.8	0.045	0.8			
2017/18-2	000NONPJ	matrix spike dup, rec	3/21/2018	Metal	Nickel	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike, RPD	3/21/2018	Metal	Nickel	Total	=	0.9	%	EPA 200.8	-88	-88	0	30	
2017/18-2	000NONPJ	matrix spike	3/21/2018	Metal	Nickel	Total	=	52.6	µg/L	EPA 200.8	0.045	0.8			
2017/18-2	000NONPJ	matrix spike, rec	3/21/2018	Metal	Nickel	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike dup	3/21/2018	Metal	Nickel	Total	=	51.7	µg/L	EPA 200.8	0.045	0.8			
2017/18-2	000NONPJ	matrix spike dup, rec	3/21/2018	Metal	Nickel	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike, RPD	3/21/2018	Metal	Nickel	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2017/18-2	Lab	method blank	3/19/2018	Metal	Nickel	Total	<	0.045	µg/L	EPA 200.8	0.045	0.8			
2017/18-2	Lab	LCS	3/19/2018	Metal	Nickel	Total	=	48.7	µg/L	EPA 200.8	0.045	0.8			
2017/18-2	Lab	LCS, rec	3/19/2018	Metal	Nickel	Total	=	97	%	EPA 200.8	-88	-88	85	115	
2017/18-2	Lab	method blank	3/21/2018	Metal	Nickel	Total	<	0.045	µg/L	EPA 200.8	0.045	0.8			
2017/18-2	Lab	LCS	3/21/2018	Metal	Nickel	Total	=	51.2	µg/L	EPA 200.8	0.045	0.8			
2017/18-2	Lab	LCS, rec	3/21/2018	Metal	Nickel	Total	=	102	%	EPA 200.8	-88	-88	85	115	
2017/18-2	ME-VR2	matrix spike	3/19/2018	Metal	Nickel	Total	=	59.3	µg/L	EPA 200.8	0.045	0.8			
2017/18-2	ME-VR2	matrix spike, rec	3/19/2018	Metal	Nickel	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2017/18-2	ME-VR2	matrix spike dup	3/19/2018	Metal	Nickel	Total	=	62.7	µg/L	EPA 200.8	0.045	0.8			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-2	ME-VR2	matrix spike dup, rec	3/19/2018	Metal	Nickel	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2017/18-2	ME-VR2	matrix spike, RPD	3/19/2018	Metal	Nickel	Total	=	5	%	EPA 200.8	-88	-88	0	30	
2017/18-2	MO-CAM	matrix spike	3/19/2018	Metal	Nickel	Total	=	58.4	µg/L	EPA 200.8	0.045	0.8			
2017/18-2	MO-CAM	matrix spike, rec	3/19/2018	Metal	Nickel	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2017/18-2	MO-CAM	matrix spike dup	3/19/2018	Metal	Nickel	Total	=	60.2	µg/L	EPA 200.8	0.045	0.8			
2017/18-2	MO-CAM	matrix spike dup, rec	3/19/2018	Metal	Nickel	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2017/18-2	MO-CAM	matrix spike, RPD	3/19/2018	Metal	Nickel	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2017/18-2	Lab	method blank	3/14/2018	Metal	Selenium	Dissolved	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2017/18-2	Lab	LCS	3/14/2018	Metal	Selenium	Dissolved	=	50.7	µg/L	EPA 200.8	0.14	0.4			
2017/18-2	Lab	LCS, rec	3/14/2018	Metal	Selenium	Dissolved	=	101	%	EPA 200.8	-88	-88	85	115	
2017/18-2	Lab	method blank	3/19/2018	Metal	Selenium	Dissolved	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2017/18-2	Lab	LCS	3/19/2018	Metal	Selenium	Dissolved	=	49.4	µg/L	EPA 200.8	0.14	0.4			
2017/18-2	Lab	LCS, rec	3/19/2018	Metal	Selenium	Dissolved	=	99	%	EPA 200.8	-88	-88	85	115	
2017/18-2	000NONPJ	matrix spike	3/14/2018	Metal	Selenium	Total	=	49.6	µg/L	EPA 200.8	0.14	0.4			
2017/18-2	000NONPJ	matrix spike, rec	3/14/2018	Metal	Selenium	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike dup	3/14/2018	Metal	Selenium	Total	=	49.7	µg/L	EPA 200.8	0.14	0.4			
2017/18-2	000NONPJ	matrix spike dup, rec	3/14/2018	Metal	Selenium	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike, RPD	3/14/2018	Metal	Selenium	Total	=	0.2	%	EPA 200.8	-88	-88	0	30	
2017/18-2	Lab	method blank	3/14/2018	Metal	Selenium	Total	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2017/18-2	Lab	LCS	3/14/2018	Metal	Selenium	Total	=	50.7	µg/L	EPA 200.8	0.14	0.4			
2017/18-2	Lab	LCS, rec	3/14/2018	Metal	Selenium	Total	=	101	%	EPA 200.8	-88	-88	85	115	
2017/18-2	Lab	method blank	3/19/2018	Metal	Selenium	Total	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2017/18-2	Lab	LCS	3/19/2018	Metal	Selenium	Total	=	49.4	µg/L	EPA 200.8	0.14	0.4			
2017/18-2	Lab	LCS, rec	3/19/2018	Metal	Selenium	Total	=	99	%	EPA 200.8	-88	-88	85	115	
2017/18-2	ME-VR2	matrix spike	3/19/2018	Metal	Selenium	Total	=	47.5	µg/L	EPA 200.8	0.14	0.4			
2017/18-2	ME-VR2	matrix spike, rec	3/19/2018	Metal	Selenium	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2017/18-2	ME-VR2	matrix spike dup	3/19/2018	Metal	Selenium	Total	=	48.1	µg/L	EPA 200.8	0.14	0.4			
2017/18-2	ME-VR2	matrix spike dup, rec	3/19/2018	Metal	Selenium	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2017/18-2	ME-VR2	matrix spike, RPD	3/19/2018	Metal	Selenium	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2017/18-2	MO-CAM	matrix spike	3/19/2018	Metal	Selenium	Total	=	46.1	µg/L	EPA 200.8	0.14	0.4			
2017/18-2	MO-CAM	matrix spike, rec	3/19/2018	Metal	Selenium	Total	=	91	%	EPA 200.8	-88	-88	70	130	
2017/18-2	MO-CAM	matrix spike dup	3/19/2018	Metal	Selenium	Total	=	49.1	µg/L	EPA 200.8	0.14	0.4			
2017/18-2	MO-CAM	matrix spike dup, rec	3/19/2018	Metal	Selenium	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2017/18-2	MO-CAM	matrix spike, RPD	3/19/2018	Metal	Selenium	Total	=	6	%	EPA 200.8	-88	-88	0	30	
2017/18-2	Lab	method blank	3/14/2018	Metal	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2			
2017/18-2	Lab	LCS	3/14/2018	Metal	Silver	Dissolved	=	46.7	µg/L	EPA 200.8	0.062	0.2			
2017/18-2	Lab	LCS, rec	3/14/2018	Metal	Silver	Dissolved	=	93	%	EPA 200.8	-88	-88	85	115	
2017/18-2	Lab	method blank	3/19/2018	Metal	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2			
2017/18-2	Lab	LCS	3/19/2018	Metal	Silver	Dissolved	=	45.7	µg/L	EPA 200.8	0.062	0.2			
2017/18-2	Lab	LCS, rec	3/19/2018	Metal	Silver	Dissolved	=	91	%	EPA 200.8	-88	-88	85	115	
2017/18-2	000NONPJ	matrix spike	3/14/2018	Metal	Silver	Total	=	45.5	µg/L	EPA 200.8	0.062	0.2			
2017/18-2	000NONPJ	matrix spike, rec	3/14/2018	Metal	Silver	Total	=	91	%	EPA 200.8	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike dup	3/14/2018	Metal	Silver	Total	=	46.2	µg/L	EPA 200.8	0.062	0.2			
2017/18-2	000NONPJ	matrix spike dup, rec	3/14/2018	Metal	Silver	Total	=	92	%	EPA 200.8	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike, RPD	3/14/2018	Metal	Silver	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2017/18-2	Lab	method blank	3/14/2018	Metal	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2			
2017/18-2	Lab	LCS	3/14/2018	Metal	Silver	Total	=	46.7	µg/L	EPA 200.8	0.062	0.2			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-2	Lab	LCS, rec	3/14/2018	Metal	Silver	Total	=	93	%	EPA 200.8	-88	-88	85	115	
2017/18-2	Lab	method blank	3/19/2018	Metal	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2			
2017/18-2	Lab	LCS	3/19/2018	Metal	Silver	Total	=	45.7	µg/L	EPA 200.8	0.062	0.2			
2017/18-2	Lab	LCS, rec	3/19/2018	Metal	Silver	Total	=	91	%	EPA 200.8	-88	-88	85	115	
2017/18-2	ME-VR2	matrix spike	3/19/2018	Metal	Silver	Total	=	46	µg/L	EPA 200.8	0.062	0.2			
2017/18-2	ME-VR2	matrix spike, rec	3/19/2018	Metal	Silver	Total	=	92	%	EPA 200.8	-88	-88	70	130	
2017/18-2	ME-VR2	matrix spike dup	3/19/2018	Metal	Silver	Total	=	46.3	µg/L	EPA 200.8	0.062	0.2			
2017/18-2	ME-VR2	matrix spike dup, rec	3/19/2018	Metal	Silver	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2017/18-2	ME-VR2	matrix spike, RPD	3/19/2018	Metal	Silver	Total	=	0.6	%	EPA 200.8	-88	-88	0	30	
2017/18-2	MO-CAM	matrix spike	3/19/2018	Metal	Silver	Total	=	44.7	µg/L	EPA 200.8	0.062	0.2			
2017/18-2	MO-CAM	matrix spike, rec	3/19/2018	Metal	Silver	Total	=	89	%	EPA 200.8	-88	-88	70	130	
2017/18-2	MO-CAM	matrix spike dup	3/19/2018	Metal	Silver	Total	=	46.8	µg/L	EPA 200.8	0.062	0.2			
2017/18-2	MO-CAM	matrix spike dup, rec	3/19/2018	Metal	Silver	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2017/18-2	MO-CAM	matrix spike, RPD	3/19/2018	Metal	Silver	Total	=	5	%	EPA 200.8	-88	-88	0	30	
2017/18-2	Lab	method blank	3/14/2018	Metal	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2017/18-2	Lab	LCS	3/14/2018	Metal	Thallium	Dissolved	=	50	µg/L	EPA 200.8	0.014	0.2			
2017/18-2	Lab	LCS, rec	3/14/2018	Metal	Thallium	Dissolved	=	100	%	EPA 200.8	-88	-88	85	115	
2017/18-2	Lab	method blank	3/19/2018	Metal	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2017/18-2	Lab	LCS	3/19/2018	Metal	Thallium	Dissolved	=	49.1	µg/L	EPA 200.8	0.014	0.2			
2017/18-2	Lab	LCS, rec	3/19/2018	Metal	Thallium	Dissolved	=	98	%	EPA 200.8	-88	-88	85	115	
2017/18-2	000NONPJ	matrix spike	3/14/2018	Metal	Thallium	Total	=	49.3	µg/L	EPA 200.8	0.014	0.2			
2017/18-2	000NONPJ	matrix spike, rec	3/14/2018	Metal	Thallium	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike dup	3/14/2018	Metal	Thallium	Total	=	49.6	µg/L	EPA 200.8	0.014	0.2			
2017/18-2	000NONPJ	matrix spike dup, rec	3/14/2018	Metal	Thallium	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike, RPD	3/14/2018	Metal	Thallium	Total	=	0.6	%	EPA 200.8	-88	-88	0	30	
2017/18-2	Lab	method blank	3/14/2018	Metal	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2017/18-2	Lab	LCS	3/14/2018	Metal	Thallium	Total	=	50	µg/L	EPA 200.8	0.014	0.2			
2017/18-2	Lab	LCS, rec	3/14/2018	Metal	Thallium	Total	=	100	%	EPA 200.8	-88	-88	85	115	
2017/18-2	Lab	method blank	3/19/2018	Metal	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2017/18-2	Lab	LCS	3/19/2018	Metal	Thallium	Total	=	49.1	µg/L	EPA 200.8	0.014	0.2			
2017/18-2	Lab	LCS, rec	3/19/2018	Metal	Thallium	Total	=	98	%	EPA 200.8	-88	-88	85	115	
2017/18-2	ME-VR2	matrix spike	3/19/2018	Metal	Thallium	Total	=	48.5	µg/L	EPA 200.8	0.014	0.2			
2017/18-2	ME-VR2	matrix spike, rec	3/19/2018	Metal	Thallium	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2017/18-2	ME-VR2	matrix spike dup	3/19/2018	Metal	Thallium	Total	=	49.4	µg/L	EPA 200.8	0.014	0.2			
2017/18-2	ME-VR2	matrix spike dup, rec	3/19/2018	Metal	Thallium	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2017/18-2	ME-VR2	matrix spike, RPD	3/19/2018	Metal	Thallium	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2017/18-2	MO-CAM	matrix spike	3/19/2018	Metal	Thallium	Total	=	47.6	µg/L	EPA 200.8	0.014	0.2			
2017/18-2	MO-CAM	matrix spike, rec	3/19/2018	Metal	Thallium	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2017/18-2	MO-CAM	matrix spike dup	3/19/2018	Metal	Thallium	Total	=	49.5	µg/L	EPA 200.8	0.014	0.2			
2017/18-2	MO-CAM	matrix spike dup, rec	3/19/2018	Metal	Thallium	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2017/18-2	MO-CAM	matrix spike, RPD	3/19/2018	Metal	Thallium	Total	=	4	%	EPA 200.8	-88	-88	0	30	
2017/18-2	Lab	method blank	3/14/2018	Metal	Zinc	Dissolved	<	0.94	µg/L	EPA 200.8	0.94	5			
2017/18-2	Lab	LCS	3/14/2018	Metal	Zinc	Dissolved	=	50.9	µg/L	EPA 200.8	0.94	5			
2017/18-2	Lab	LCS, rec	3/14/2018	Metal	Zinc	Dissolved	=	102	%	EPA 200.8	-88	-88	85	115	
2017/18-2	Lab	method blank	3/19/2018	Metal	Zinc	Dissolved	<	0.94	µg/L	EPA 200.8	0.94	5			
2017/18-2	Lab	LCS	3/19/2018	Metal	Zinc	Dissolved	=	51	µg/L	EPA 200.8	0.94	5			
2017/18-2	Lab	LCS, rec	3/19/2018	Metal	Zinc	Dissolved	=	102	%	EPA 200.8	-88	-88	85	115	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-2	000NONPJ	matrix spike	3/14/2018	Metal	Zinc	Total	=	91.8	µg/L	EPA 200.8	0.94	5			
2017/18-2	000NONPJ	matrix spike, rec	3/14/2018	Metal	Zinc	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike dup	3/14/2018	Metal	Zinc	Total	=	92.7	µg/L	EPA 200.8	0.94	5			
2017/18-2	000NONPJ	matrix spike dup, rec	3/14/2018	Metal	Zinc	Total	=	103	%	EPA 200.8	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike, RPD	3/14/2018	Metal	Zinc	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2017/18-2	Lab	method blank	3/14/2018	Metal	Zinc	Total	<	0.94	µg/L	EPA 200.8	0.94	5			
2017/18-2	Lab	LCS	3/14/2018	Metal	Zinc	Total	=	50.9	µg/L	EPA 200.8	0.94	5			
2017/18-2	Lab	LCS, rec	3/14/2018	Metal	Zinc	Total	=	102	%	EPA 200.8	-88	-88	85	115	
2017/18-2	Lab	method blank	3/19/2018	Metal	Zinc	Total	<	0.94	µg/L	EPA 200.8	0.94	5			
2017/18-2	Lab	LCS	3/19/2018	Metal	Zinc	Total	=	51	µg/L	EPA 200.8	0.94	5			
2017/18-2	Lab	LCS, rec	3/19/2018	Metal	Zinc	Total	=	102	%	EPA 200.8	-88	-88	85	115	
2017/18-2	ME-VR2	matrix spike	3/19/2018	Metal	Zinc	Total	=	89.4	µg/L	EPA 200.8	0.94	5			
2017/18-2	ME-VR2	matrix spike, rec	3/19/2018	Metal	Zinc	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2017/18-2	ME-VR2	matrix spike dup	3/19/2018	Metal	Zinc	Total	=	92.8	µg/L	EPA 200.8	0.94	5			
2017/18-2	ME-VR2	matrix spike dup, rec	3/19/2018	Metal	Zinc	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2017/18-2	ME-VR2	matrix spike, RPD	3/19/2018	Metal	Zinc	Total	=	4	%	EPA 200.8	-88	-88	0	30	
2017/18-2	MO-CAM	matrix spike	3/19/2018	Metal	Zinc	Total	=	272	µg/L	EPA 200.8	0.94	5			
2017/18-2	MO-CAM	matrix spike, rec	3/19/2018	Metal	Zinc	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2017/18-2	MO-CAM	matrix spike dup	3/19/2018	Metal	Zinc	Total	=	275	µg/L	EPA 200.8	0.94	5			
2017/18-2	MO-CAM	matrix spike dup, rec	3/19/2018	Metal	Zinc	Total	=	105	%	EPA 200.8	-88	-88	70	130	
2017/18-2	MO-CAM	matrix spike, RPD	3/19/2018	Metal	Zinc	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2017/18-2	000NONPJ	matrix spike	3/14/2018	Nutrient	Ammonia as N	n/a	=	2.75	mg/L	EPA 350.1	0.24	0.5			
2017/18-2	000NONPJ	matrix spike	3/14/2018	Nutrient	Ammonia as N	n/a	=	0.615	mg/L	EPA 350.1	0.048	0.1			
2017/18-2	000NONPJ	matrix spike dup	3/14/2018	Nutrient	Ammonia as N	n/a	=	0.606	mg/L	EPA 350.1	0.048	0.1			
2017/18-2	000NONPJ	matrix spike dup	3/14/2018	Nutrient	Ammonia as N	n/a	=	2.69	mg/L	EPA 350.1	0.24	0.5			
2017/18-2	000NONPJ	matrix spike dup, rec	3/14/2018	Nutrient	Ammonia as N	n/a	=	95	%	EPA 350.1	-88	-88	90	110	
2017/18-2	000NONPJ	matrix spike dup, rec	3/14/2018	Nutrient	Ammonia as N	n/a	=	91	%	EPA 350.1	-88	-88	90	110	
2017/18-2	000NONPJ	matrix spike, rec	3/14/2018	Nutrient	Ammonia as N	n/a	=	94	%	EPA 350.1	-88	-88	90	110	
2017/18-2	000NONPJ	matrix spike, rec	3/14/2018	Nutrient	Ammonia as N	n/a	=	100	%	EPA 350.1	-88	-88	90	110	
2017/18-2	000NONPJ	matrix spike, RPD	3/14/2018	Nutrient	Ammonia as N	n/a	=	2	%	EPA 350.1	-88	-88	0	15	
2017/18-2	000NONPJ	matrix spike, RPD	3/14/2018	Nutrient	Ammonia as N	n/a	=	2	%	EPA 350.1	-88	-88	0	15	
2017/18-2	Lab	LCS	3/6/2018	Nutrient	Ammonia as N	n/a	=	0.249	mg/L	EPA 350.1	0.048	0.1			
2017/18-2	Lab	LCS	3/6/2018	Nutrient	Ammonia as N	n/a	=	0.26	mg/L	EPA 350.1	0.048	0.1			
2017/18-2	Lab	LCS, rec	3/6/2018	Nutrient	Ammonia as N	n/a	=	99	%	EPA 350.1	-88	-88	90	110	
2017/18-2	Lab	LCS, rec	3/6/2018	Nutrient	Ammonia as N	n/a	=	104	%	EPA 350.1	-88	-88	90	110	
2017/18-2	Lab	method blank	3/6/2018	Nutrient	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1			
2017/18-2	Lab	method blank	3/6/2018	Nutrient	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1			
2017/18-2	Lab	LCS	3/14/2018	Nutrient	Ammonia as N	n/a	=	0.232	mg/L	EPA 350.1	0.048	0.1			
2017/18-2	Lab	LCS	3/14/2018	Nutrient	Ammonia as N	n/a	=	0.235	mg/L	EPA 350.1	0.048	0.1			
2017/18-2	Lab	LCS dup	3/14/2018	Nutrient	Ammonia as N	n/a	=	0.24	mg/L	EPA 350.1	0.048	0.1			
2017/18-2	Lab	LCS dup, rec	3/14/2018	Nutrient	Ammonia as N	n/a	=	96	%	EPA 350.1	-88	-88	90	110	
2017/18-2	Lab	LCS, rec	3/14/2018	Nutrient	Ammonia as N	n/a	=	93	%	EPA 350.1	-88	-88	90	110	
2017/18-2	Lab	LCS, rec	3/14/2018	Nutrient	Ammonia as N	n/a	=	94	%	EPA 350.1	-88	-88	90	110	
2017/18-2	Lab	LCS, RPD	3/14/2018	Nutrient	Ammonia as N	n/a	=	2	%	EPA 350.1	-88	-88	0	15	
2017/18-2	Lab	method blank	3/14/2018	Nutrient	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1			
2017/18-2	Lab	method blank	3/14/2018	Nutrient	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1			
2017/18-2	MO-MEI	matrix spike	3/6/2018	Nutrient	Ammonia as N	n/a	=	0.549	mg/L	EPA 350.1	0.048	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-2	MO-MEI	matrix spike dup	3/6/2018	Nutrient	Ammonia as N	n/a	=	0.541	mg/L	EPA 350.1	0.048	0.1			
2017/18-2	MO-MEI	matrix spike dup, rec	3/6/2018	Nutrient	Ammonia as N	n/a	=	97	%	EPA 350.1	-88	-88	90	110	
2017/18-2	MO-MEI	matrix spike, rec	3/6/2018	Nutrient	Ammonia as N	n/a	=	100	%	EPA 350.1	-88	-88	90	110	
2017/18-2	MO-MEI	matrix spike, RPD	3/6/2018	Nutrient	Ammonia as N	n/a	=	1	%	EPA 350.1	-88	-88	0	15	
2017/18-2	MO-OJA	matrix spike	3/6/2018	Nutrient	Ammonia as N	n/a	=	0.423	mg/L	EPA 350.1	0.048	0.1			
2017/18-2	MO-OJA	matrix spike dup	3/6/2018	Nutrient	Ammonia as N	n/a	=	0.422	mg/L	EPA 350.1	0.048	0.1			
2017/18-2	MO-OJA	matrix spike dup, rec	3/6/2018	Nutrient	Ammonia as N	n/a	=	104	%	EPA 350.1	-88	-88	90	110	
2017/18-2	MO-OJA	matrix spike, rec	3/6/2018	Nutrient	Ammonia as N	n/a	=	105	%	EPA 350.1	-88	-88	90	110	
2017/18-2	MO-OJA	matrix spike, RPD	3/6/2018	Nutrient	Ammonia as N	n/a	=	0.2	%	EPA 350.1	-88	-88	0	15	
2017/18-2	000NONPJ	matrix spike	3/4/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	2.87	mg/L	EPA 353.2	0.083	0.2			
2017/18-2	000NONPJ	matrix spike, rec	3/4/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	94	%	EPA 353.2	-88	-88	90	110	
2017/18-2	000NONPJ	matrix spike dup	3/4/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	2.87	mg/L	EPA 353.2	0.083	0.2			
2017/18-2	000NONPJ	matrix spike dup, rec	3/4/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	94	%	EPA 353.2	-88	-88	90	110	
2017/18-2	000NONPJ	matrix spike, RPD	3/4/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	0	%	EPA 353.2	-88	-88	0	20	
2017/18-2	000NONPJ	matrix spike	3/5/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	2.44	mg/L	EPA 353.2	0.083	0.2			
2017/18-2	000NONPJ	matrix spike, rec	3/5/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	96	%	EPA 353.2	-88	-88	90	110	
2017/18-2	000NONPJ	matrix spike dup	3/5/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	2.44	mg/L	EPA 353.2	0.083	0.2			
2017/18-2	000NONPJ	matrix spike dup, rec	3/5/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	96	%	EPA 353.2	-88	-88	90	110	
2017/18-2	000NONPJ	matrix spike, RPD	3/5/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	0	%	EPA 353.2	-88	-88	0	20	
2017/18-2	000NONPJ	matrix spike	3/5/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	3.22	mg/L	EPA 353.2	0.083	0.2			
2017/18-2	000NONPJ	matrix spike, rec	3/5/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	95	%	EPA 353.2	-88	-88	90	110	
2017/18-2	000NONPJ	matrix spike dup	3/5/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	3.24	mg/L	EPA 353.2	0.083	0.2			
2017/18-2	000NONPJ	matrix spike dup, rec	3/5/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	96	%	EPA 353.2	-88	-88	90	110	
2017/18-2	000NONPJ	matrix spike, RPD	3/5/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	0.6	%	EPA 353.2	-88	-88	0	20	
2017/18-2	000NONPJ	matrix spike	3/5/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	2.67	mg/L	EPA 353.2	0.05	0.05			
2017/18-2	000NONPJ	matrix spike, rec	3/5/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	101	%	EPA 353.2	-88	-88	90	110	
2017/18-2	000NONPJ	matrix spike dup	3/5/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	2.67	mg/L	EPA 353.2	0.05	0.05			
2017/18-2	000NONPJ	matrix spike dup, rec	3/5/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	101	%	EPA 353.2	-88	-88	90	110	
2017/18-2	000NONPJ	matrix spike, RPD	3/5/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	0.07	%	EPA 353.2	-88	-88	0	20	
2017/18-2	000NONPJ	matrix spike	3/5/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	2.64	mg/L	EPA 353.2	0.05	0.05			
2017/18-2	000NONPJ	matrix spike dup	3/5/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	2.63	mg/L	EPA 353.2	0.05	0.05			
2017/18-2	000NONPJ	matrix spike dup, rec	3/5/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	96	%	EPA 353.2	-88	-88	90	110	
2017/18-2	000NONPJ	matrix spike, rec	3/5/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	96	%	EPA 353.2	-88	-88	90	110	
2017/18-2	000NONPJ	matrix spike, RPD	3/5/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	0.5	%	EPA 353.2	-88	-88	0	20	
2017/18-2	000NONPJ	matrix spike	3/6/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	2.49	mg/L	EPA 353.2	0.083	0.2			
2017/18-2	000NONPJ	matrix spike, rec	3/6/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	99	%	EPA 353.2	-88	-88	90	110	
2017/18-2	000NONPJ	matrix spike dup	3/6/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	2.49	mg/L	EPA 353.2	0.083	0.2			
2017/18-2	000NONPJ	matrix spike dup, rec	3/6/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	99	%	EPA 353.2	-88	-88	90	110	
2017/18-2	000NONPJ	matrix spike, RPD	3/6/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	0	%	EPA 353.2	-88	-88	0	20	
2017/18-2	000NONPJ	matrix spike	3/6/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	2.66	mg/L	EPA 353.2	0.05	0.05			
2017/18-2	000NONPJ	matrix spike, rec	3/6/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	100	%	EPA 353.2	-88	-88	90	110	
2017/18-2	000NONPJ	matrix spike dup	3/6/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	2.68	mg/L	EPA 353.2	0.05	0.05			
2017/18-2	000NONPJ	matrix spike dup, rec	3/6/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	102	%	EPA 353.2	-88	-88	90	110	
2017/18-2	000NONPJ	matrix spike, RPD	3/6/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	0.9	%	EPA 353.2	-88	-88	0	20	
2017/18-2	000NONPJ	matrix spike	3/6/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	2.65	mg/L	EPA 353.2	0.05	0.05			
2017/18-2	000NONPJ	matrix spike dup	3/6/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	2.65	mg/L	EPA 353.2	0.05	0.05			
2017/18-2	000NONPJ	matrix spike dup, rec	3/6/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	97	%	EPA 353.2	-88	-88	90	110	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-2	000NONPJ	matrix spike, rec	3/6/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	97	%	EPA 353.2	-88	-88	90	110	
2017/18-2	000NONPJ	matrix spike, RPD	3/6/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	0	%	EPA 353.2	-88	-88	0	20	
2017/18-2	Lab	LCS	3/4/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	0.918	mg/L	EPA 353.2	0.083	0.2			
2017/18-2	Lab	LCS, rec	3/4/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	92	%	EPA 353.2	-88	-88	90	110	
2017/18-2	Lab	method blank	3/4/2018	Nutrient	Nitrate + Nitrite as N	n/a	<	0.083	mg/L	EPA 353.2	0.083	0.2			
2017/18-2	Lab	LCS	3/5/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	0.924	mg/L	EPA 353.2	0.083	0.2			
2017/18-2	Lab	LCS, rec	3/5/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	92	%	EPA 353.2	-88	-88	90	110	
2017/18-2	Lab	method blank	3/5/2018	Nutrient	Nitrate + Nitrite as N	n/a	<	0.083	mg/L	EPA 353.2	0.083	0.2			
2017/18-2	Lab	LCS	3/5/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	0.931	mg/L	EPA 353.2	0.05	0.05			
2017/18-2	Lab	LCS, rec	3/5/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	93	%	EPA 353.2	-88	-88	90	110	
2017/18-2	Lab	method blank	3/5/2018	Nutrient	Nitrate + Nitrite as N	n/a	<	0.05	mg/L	EPA 353.2	0.05	0.05			
2017/18-2	Lab	LCS	3/6/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	0.929	mg/L	EPA 353.2	0.083	0.2			
2017/18-2	Lab	LCS, rec	3/6/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	93	%	EPA 353.2	-88	-88	90	110	
2017/18-2	Lab	method blank	3/6/2018	Nutrient	Nitrate + Nitrite as N	n/a	<	0.083	mg/L	EPA 353.2	0.083	0.2			
2017/18-2	Lab	LCS	3/6/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	0.934	mg/L	EPA 353.2	0.05	0.05			
2017/18-2	Lab	LCS, rec	3/6/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	93	%	EPA 353.2	-88	-88	90	110	
2017/18-2	Lab	method blank	3/6/2018	Nutrient	Nitrate + Nitrite as N	n/a	<	0.05	mg/L	EPA 353.2	0.05	0.05			
2017/18-2	ME-CC	matrix spike	3/4/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	6.89	mg/L	EPA 353.2	0.083	0.2			
2017/18-2	ME-CC	matrix spike, rec	3/4/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	101	%	EPA 353.2	-88	-88	90	110	
2017/18-2	ME-CC	matrix spike dup	3/4/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	6.87	mg/L	EPA 353.2	0.083	0.2			
2017/18-2	ME-CC	matrix spike dup, rec	3/4/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	100	%	EPA 353.2	-88	-88	90	110	
2017/18-2	ME-CC	matrix spike, RPD	3/4/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	0.2	%	EPA 353.2	-88	-88	0	20	
2017/18-2	000NONPJ	matrix spike	3/4/2018	Nutrient	Nitrate as N	n/a	=	2.87	mg/L	EPA 353.2	0.083	0.2			
2017/18-2	000NONPJ	matrix spike, rec	3/4/2018	Nutrient	Nitrate as N	n/a	=	99	%	EPA 353.2	-88	-88	90	110	
2017/18-2	000NONPJ	matrix spike dup	3/4/2018	Nutrient	Nitrate as N	n/a	=	2.87	mg/L	EPA 353.2	0.083	0.2			
2017/18-2	000NONPJ	matrix spike dup, rec	3/4/2018	Nutrient	Nitrate as N	n/a	=	99	%	EPA 353.2	-88	-88	90	110	
2017/18-2	000NONPJ	matrix spike, RPD	3/4/2018	Nutrient	Nitrate as N	n/a	=	0	%	EPA 353.2	-88	-88	0	20	
2017/18-2	Lab	LCS	3/4/2018	Nutrient	Nitrate as N	n/a	=	0.918	mg/L	EPA 353.2	0.083	0.2			
2017/18-2	Lab	LCS, rec	3/4/2018	Nutrient	Nitrate as N	n/a	=	92	%	EPA 353.2	-88	-88	90	110	
2017/18-2	Lab	method blank	3/4/2018	Nutrient	Nitrate as N	n/a	<	0.083	mg/L	EPA 353.2	0.083	0.2			
2017/18-2	ME-CC	matrix spike	3/4/2018	Nutrient	Nitrate as N	n/a	=	6.89	mg/L	EPA 353.2	0.083	0.2			
2017/18-2	ME-CC	matrix spike, rec	3/4/2018	Nutrient	Nitrate as N	n/a	=	105	%	EPA 353.2	-88	-88	90	110	
2017/18-2	ME-CC	matrix spike dup	3/4/2018	Nutrient	Nitrate as N	n/a	=	6.87	mg/L	EPA 353.2	0.083	0.2			
2017/18-2	ME-CC	matrix spike dup, rec	3/4/2018	Nutrient	Nitrate as N	n/a	=	104	%	EPA 353.2	-88	-88	90	110	
2017/18-2	ME-CC	matrix spike, RPD	3/4/2018	Nutrient	Nitrate as N	n/a	=	0.2	%	EPA 353.2	-88	-88	0	20	
2017/18-2	000NONPJ	matrix spike	3/19/2018	Nutrient	Phosphorus as P	Dissolved	=	0.276	mg/L	EPA 365.1	0.0028	0.02			GB
2017/18-2	000NONPJ	matrix spike, rec	3/19/2018	Nutrient	Phosphorus as P	Dissolved	=	80	%	EPA 365.1	-88	-88	90	110	GB
2017/18-2	000NONPJ	matrix spike dup	3/19/2018	Nutrient	Phosphorus as P	Dissolved	=	0.312	mg/L	EPA 365.1	0.0028	0.02			GB
2017/18-2	000NONPJ	matrix spike dup, rec	3/19/2018	Nutrient	Phosphorus as P	Dissolved	=	152	%	EPA 365.1	-88	-88	90	110	GB
2017/18-2	000NONPJ	matrix spike, RPD	3/19/2018	Nutrient	Phosphorus as P	Dissolved	=	12	%	EPA 365.1	-88	-88	0	20	
2017/18-2	Lab	method blank	3/19/2018	Nutrient	Phosphorus as P	Dissolved	<	0.0014	mg/L	EPA 365.1	0.0014	0.01			
2017/18-2	Lab	LCS	3/19/2018	Nutrient	Phosphorus as P	Dissolved	=	0.0505	mg/L	EPA 365.1	0.0014	0.01			
2017/18-2	Lab	LCS, rec	3/19/2018	Nutrient	Phosphorus as P	Dissolved	=	101	%	EPA 365.1	-88	-88	90	110	
2017/18-2	MO-OJA	matrix spike	3/19/2018	Nutrient	Phosphorus as P	Dissolved	=	0.332	mg/L	EPA 365.1	0.0028	0.02			
2017/18-2	MO-OJA	matrix spike, rec	3/19/2018	Nutrient	Phosphorus as P	Dissolved	=	90	%	EPA 365.1	-88	-88	90	110	
2017/18-2	MO-OJA	matrix spike dup	3/19/2018	Nutrient	Phosphorus as P	Dissolved	=	0.342	mg/L	EPA 365.1	0.0028	0.02			
2017/18-2	MO-OJA	matrix spike dup, rec	3/19/2018	Nutrient	Phosphorus as P	Dissolved	=	100	%	EPA 365.1	-88	-88	90	110	

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Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-2	MO-OJA	matrix spike, RPD	3/19/2018	Nutrient	Phosphorus as P	Dissolved	=	3	%	EPA 365.1	-88	-88	0	20	
2017/18-2	000NONPJ	matrix spike	3/8/2018	Nutrient	Phosphorus as P	Total	=	0.274	mg/L	EPA 365.1	0.0028	0.02			
2017/18-2	000NONPJ	matrix spike, rec	3/8/2018	Nutrient	Phosphorus as P	Total	=	104	%	EPA 365.1	-88	-88	90	110	
2017/18-2	000NONPJ	matrix spike dup	3/8/2018	Nutrient	Phosphorus as P	Total	=	0.344	mg/L	EPA 365.1	0.0028	0.02			GB
2017/18-2	000NONPJ	matrix spike dup, rec	3/8/2018	Nutrient	Phosphorus as P	Total	=	122	%	EPA 365.1	-88	-88	90	110	GB
2017/18-2	000NONPJ	matrix spike, RPD	3/8/2018	Nutrient	Phosphorus as P	Total	=	23	%	EPA 365.1	-88	-88	0	20	IL
2017/18-2	000NONPJ	matrix spike	3/8/2018	Nutrient	Phosphorus as P	Total	=	0.308	mg/L	EPA 365.1	0.0028	0.02			GB
2017/18-2	000NONPJ	matrix spike, rec	3/8/2018	Nutrient	Phosphorus as P	Total	=	112	%	EPA 365.1	-88	-88	90	110	GB
2017/18-2	000NONPJ	matrix spike dup	3/8/2018	Nutrient	Phosphorus as P	Total	=	0.304	mg/L	EPA 365.1	0.0028	0.02			
2017/18-2	000NONPJ	matrix spike dup, rec	3/8/2018	Nutrient	Phosphorus as P	Total	=	104	%	EPA 365.1	-88	-88	90	110	
2017/18-2	000NONPJ	matrix spike, RPD	3/8/2018	Nutrient	Phosphorus as P	Total	=	1	%	EPA 365.1	-88	-88	0	20	
2017/18-2	000NONPJ	matrix spike	3/16/2018	Nutrient	Phosphorus as P	Total	=	0.885	mg/L	EPA 365.1	0.007	0.05			
2017/18-2	000NONPJ	matrix spike, rec	3/16/2018	Nutrient	Phosphorus as P	Total	=	96	%	EPA 365.1	-88	-88	90	110	
2017/18-2	000NONPJ	matrix spike dup	3/16/2018	Nutrient	Phosphorus as P	Total	=	0.895	mg/L	EPA 365.1	0.007	0.05			
2017/18-2	000NONPJ	matrix spike dup, rec	3/16/2018	Nutrient	Phosphorus as P	Total	=	100	%	EPA 365.1	-88	-88	90	110	
2017/18-2	000NONPJ	matrix spike, RPD	3/16/2018	Nutrient	Phosphorus as P	Total	=	1	%	EPA 365.1	-88	-88	0	20	
2017/18-2	Lab	method blank	3/8/2018	Nutrient	Phosphorus as P	Total	<	0.0014	mg/L	EPA 365.1	0.0014	0.01			
2017/18-2	Lab	LCS	3/8/2018	Nutrient	Phosphorus as P	Total	=	0.0476	mg/L	EPA 365.1	0.0014	0.01			
2017/18-2	Lab	LCS, rec	3/8/2018	Nutrient	Phosphorus as P	Total	=	95	%	EPA 365.1	-88	-88	90	110	
2017/18-2	Lab	method blank	3/16/2018	Nutrient	Phosphorus as P	Total	<	0.0014	mg/L	EPA 365.1	0.0014	0.01			
2017/18-2	Lab	LCS	3/16/2018	Nutrient	Phosphorus as P	Total	=	0.05	mg/L	EPA 365.1	0.0014	0.01			
2017/18-2	Lab	LCS, rec	3/16/2018	Nutrient	Phosphorus as P	Total	=	100	%	EPA 365.1	-88	-88	90	110	
2017/18-2	MO-OXN	matrix spike	3/16/2018	Nutrient	Phosphorus as P	Total	=	0.576	mg/L	EPA 365.1	0.0056	0.04			GB
2017/18-2	MO-OXN	matrix spike, rec	3/16/2018	Nutrient	Phosphorus as P	Total	=	72	%	EPA 365.1	-88	-88	90	110	GB
2017/18-2	MO-OXN	matrix spike dup	3/16/2018	Nutrient	Phosphorus as P	Total	=	0.596	mg/L	EPA 365.1	0.0056	0.04			
2017/18-2	MO-OXN	matrix spike dup, rec	3/16/2018	Nutrient	Phosphorus as P	Total	=	92	%	EPA 365.1	-88	-88	90	110	
2017/18-2	MO-OXN	matrix spike, RPD	3/16/2018	Nutrient	Phosphorus as P	Total	=	3	%	EPA 365.1	-88	-88	0	20	
2017/18-2	000NONPJ	matrix spike	3/13/2018	Nutrient	TKN	n/a	=	1.37	mg/L	EPA 351.2	0.05	0.1			GB
2017/18-2	000NONPJ	matrix spike	3/13/2018	Nutrient	TKN	n/a	=	1.34	mg/L	EPA 351.2	0.05	0.1			GB
2017/18-2	000NONPJ	matrix spike dup	3/13/2018	Nutrient	TKN	n/a	=	1.39	mg/L	EPA 351.2	0.05	0.1			GB
2017/18-2	000NONPJ	matrix spike dup	3/13/2018	Nutrient	TKN	n/a	=	1.45	mg/L	EPA 351.2	0.05	0.1			GB
2017/18-2	000NONPJ	matrix spike dup, rec	3/13/2018	Nutrient	TKN	n/a	=	116	%	EPA 351.2	-88	-88	90	110	GB
2017/18-2	000NONPJ	matrix spike dup, rec	3/13/2018	Nutrient	TKN	n/a	=	119	%	EPA 351.2	-88	-88	90	110	GB
2017/18-2	000NONPJ	matrix spike, rec	3/13/2018	Nutrient	TKN	n/a	=	112	%	EPA 351.2	-88	-88	90	110	GB
2017/18-2	000NONPJ	matrix spike, rec	3/13/2018	Nutrient	TKN	n/a	=	111	%	EPA 351.2	-88	-88	90	110	GB
2017/18-2	000NONPJ	matrix spike, RPD	3/13/2018	Nutrient	TKN	n/a	=	3	%	EPA 351.2	-88	-88	0	10	
2017/18-2	000NONPJ	matrix spike, RPD	3/13/2018	Nutrient	TKN	n/a	=	5	%	EPA 351.2	-88	-88	0	10	
2017/18-2	000NONPJ	matrix spike	3/19/2018	Nutrient	TKN	n/a	=	1.29	mg/L	EPA 351.2	0.05	0.1			
2017/18-2	000NONPJ	matrix spike	3/19/2018	Nutrient	TKN	n/a	=	1.24	mg/L	EPA 351.2	0.05	0.1			
2017/18-2	000NONPJ	matrix spike dup	3/19/2018	Nutrient	TKN	n/a	=	1.22	mg/L	EPA 351.2	0.05	0.1			
2017/18-2	000NONPJ	matrix spike dup, rec	3/19/2018	Nutrient	TKN	n/a	=	104	%	EPA 351.2	-88	-88	90	110	
2017/18-2	000NONPJ	matrix spike dup, rec	3/19/2018	Nutrient	TKN	n/a	=	95	%	EPA 351.2	-88	-88	90	110	
2017/18-2	000NONPJ	matrix spike, rec	3/19/2018	Nutrient	TKN	n/a	=	104	%	EPA 351.2	-88	-88	90	110	
2017/18-2	000NONPJ	matrix spike, rec	3/19/2018	Nutrient	TKN	n/a	=	103	%	EPA 351.2	-88	-88	90	110	
2017/18-2	000NONPJ	matrix spike, RPD	3/19/2018	Nutrient	TKN	n/a	=	6	%	EPA 351.2	-88	-88	0	10	
2017/18-2	000NONPJ	matrix spike, RPD	3/19/2018	Nutrient	TKN	n/a	=	0.4	%	EPA 351.2	-88	-88	0	10	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-2	Lab	LCS	3/13/2018	Nutrient	TKN	n/a	=	1.08	mg/L	EPA 351.2	0.05	0.1			
2017/18-2	Lab	LCS	3/13/2018	Nutrient	TKN	n/a	=	1.09	mg/L	EPA 351.2	0.05	0.1			
2017/18-2	Lab	LCS, rec	3/13/2018	Nutrient	TKN	n/a	=	108	%	EPA 351.2	-88	-88	90	110	
2017/18-2	Lab	LCS, rec	3/13/2018	Nutrient	TKN	n/a	=	109	%	EPA 351.2	-88	-88	90	110	
2017/18-2	Lab	method blank	3/13/2018	Nutrient	TKN	n/a	<	0.05	mg/L	EPA 351.2	0.05	0.1			
2017/18-2	Lab	method blank	3/13/2018	Nutrient	TKN	n/a	<	0.05	mg/L	EPA 351.2	0.05	0.1			
2017/18-2	Lab	LCS	3/19/2018	Nutrient	TKN	n/a	=	0.992	mg/L	EPA 351.2	0.05	0.1			
2017/18-2	Lab	LCS	3/19/2018	Nutrient	TKN	n/a	=	0.971	mg/L	EPA 351.2	0.05	0.1			
2017/18-2	Lab	LCS, rec	3/19/2018	Nutrient	TKN	n/a	=	99	%	EPA 351.2	-88	-88	90	110	
2017/18-2	Lab	LCS, rec	3/19/2018	Nutrient	TKN	n/a	=	97	%	EPA 351.2	-88	-88	90	110	
2017/18-2	Lab	method blank	3/19/2018	Nutrient	TKN	n/a	<	0.05	mg/L	EPA 351.2	0.05	0.1			
2017/18-2	Lab	method blank	3/19/2018	Nutrient	TKN	n/a	<	0.05	mg/L	EPA 351.2	0.05	0.1			
2017/18-2	Lab	method blank	3/12/2018	Organic	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1			
2017/18-2	Lab	LCS	3/12/2018	Organic	1,2,4-Trichlorobenzene	n/a	=	20.5	µg/L	EPA 625	0.55	1			
2017/18-2	Lab	LCS, rec	3/12/2018	Organic	1,2,4-Trichlorobenzene	n/a	=	82	%	EPA 625	-88	-88	44	142	
2017/18-2	Lab	LCS dup	3/13/2018	Organic	1,2,4-Trichlorobenzene	n/a	=	19.4	µg/L	EPA 625	0.55	1			
2017/18-2	Lab	LCS dup, rec	3/13/2018	Organic	1,2,4-Trichlorobenzene	n/a	=	78	%	EPA 625	-88	-88	44	142	
2017/18-2	Lab	LCS, RPD	3/13/2018	Organic	1,2,4-Trichlorobenzene	n/a	=	6	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/14/2018	Organic	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1			
2017/18-2	Lab	LCS	3/14/2018	Organic	1,2,4-Trichlorobenzene	n/a	=	19.9	µg/L	EPA 625	0.55	1			
2017/18-2	Lab	LCS, rec	3/14/2018	Organic	1,2,4-Trichlorobenzene	n/a	=	80	%	EPA 625	-88	-88	44	142	
2017/18-2	Lab	LCS dup	3/15/2018	Organic	1,2,4-Trichlorobenzene	n/a	=	18.1	µg/L	EPA 625	0.55	1			
2017/18-2	Lab	LCS dup, rec	3/15/2018	Organic	1,2,4-Trichlorobenzene	n/a	=	72	%	EPA 625	-88	-88	44	142	
2017/18-2	Lab	LCS, RPD	3/15/2018	Organic	1,2,4-Trichlorobenzene	n/a	=	10	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/12/2018	Organic	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1			
2017/18-2	Lab	LCS	3/12/2018	Organic	1,2-Dichlorobenzene	n/a	=	18.5	µg/L	EPA 625	0.57	1			
2017/18-2	Lab	LCS, rec	3/12/2018	Organic	1,2-Dichlorobenzene	n/a	=	74	%	EPA 625	-88	-88	32	129	
2017/18-2	Lab	LCS dup	3/13/2018	Organic	1,2-Dichlorobenzene	n/a	=	17.1	µg/L	EPA 625	0.57	1			
2017/18-2	Lab	LCS dup, rec	3/13/2018	Organic	1,2-Dichlorobenzene	n/a	=	68	%	EPA 625	-88	-88	32	129	
2017/18-2	Lab	LCS, RPD	3/13/2018	Organic	1,2-Dichlorobenzene	n/a	=	8	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/14/2018	Organic	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1			
2017/18-2	Lab	LCS	3/14/2018	Organic	1,2-Dichlorobenzene	n/a	=	19.6	µg/L	EPA 625	0.57	1			
2017/18-2	Lab	LCS, rec	3/14/2018	Organic	1,2-Dichlorobenzene	n/a	=	78	%	EPA 625	-88	-88	32	129	
2017/18-2	Lab	LCS dup	3/15/2018	Organic	1,2-Dichlorobenzene	n/a	=	17.9	µg/L	EPA 625	0.57	1			
2017/18-2	Lab	LCS dup, rec	3/15/2018	Organic	1,2-Dichlorobenzene	n/a	=	72	%	EPA 625	-88	-88	32	129	
2017/18-2	Lab	LCS, RPD	3/15/2018	Organic	1,2-Dichlorobenzene	n/a	=	9	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	srgt LCS	3/5/2018	Organic	1,2-Dichloroethane-d4	n/a	=	47.4	µg/L	EPA 624	-88	-88			
2017/18-2	Lab	srgt LCS, rec	3/5/2018	Organic	1,2-Dichloroethane-d4	n/a	=	95	%	EPA 624	-88	-88	82	125	
2017/18-2	Lab	srgt LCS dup	3/5/2018	Organic	1,2-Dichloroethane-d4	n/a	=	49	µg/L	EPA 624	-88	-88			
2017/18-2	Lab	srgt LCS dup, rec	3/5/2018	Organic	1,2-Dichloroethane-d4	n/a	=	98	%	EPA 624	-88	-88	82	125	
2017/18-2	Lab	srgt method blank	3/5/2018	Organic	1,2-Dichloroethane-d4	n/a	=	45.4	µg/L	EPA 624	-88	-88			
2017/18-2	Lab	srgt method blank, rec	3/5/2018	Organic	1,2-Dichloroethane-d4	n/a	=	91	%	EPA 624	-88	-88	82	125	
2017/18-2	Lab	srgt LCS	3/7/2018	Organic	1,2-Dichloroethane-d4	n/a	=	47.4	µg/L	EPA 624	-88	-88			
2017/18-2	Lab	srgt LCS, rec	3/7/2018	Organic	1,2-Dichloroethane-d4	n/a	=	95	%	EPA 624	-88	-88	82	125	
2017/18-2	Lab	srgt LCS dup	3/7/2018	Organic	1,2-Dichloroethane-d4	n/a	=	46.5	µg/L	EPA 624	-88	-88			
2017/18-2	Lab	srgt LCS dup, rec	3/7/2018	Organic	1,2-Dichloroethane-d4	n/a	=	93	%	EPA 624	-88	-88	82	125	
2017/18-2	Lab	srgt method blank	3/7/2018	Organic	1,2-Dichloroethane-d4	n/a	=	45.2	µg/L	EPA 624	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-2	Lab	srgt method blank, rec	3/7/2018	Organic	1,2-Dichloroethane-d4	n/a	=	90	%	EPA 624	-88	-88	82	125	
2017/18-2	ME-CC	srgt environ	3/7/2018	Organic	1,2-Dichloroethane-d4	n/a	=	45.1	µg/L	EPA 624	-88	-88			
2017/18-2	ME-CC	srgt environ, rec	3/7/2018	Organic	1,2-Dichloroethane-d4	n/a	=	90	%	EPA 624	-88	-88	82	125	
2017/18-2	ME-CC	srgt matrix spike	3/7/2018	Organic	1,2-Dichloroethane-d4	n/a	=	45.5	µg/L	EPA 624	-88	-88			
2017/18-2	ME-CC	srgt matrix spike, rec	3/7/2018	Organic	1,2-Dichloroethane-d4	n/a	=	91	%	EPA 624	-88	-88	82	125	
2017/18-2	ME-CC	srgt matrix spike dup	3/7/2018	Organic	1,2-Dichloroethane-d4	n/a	=	48.1	µg/L	EPA 624	-88	-88			
2017/18-2	ME-CC	srgt matrix spike dup, rec	3/7/2018	Organic	1,2-Dichloroethane-d4	n/a	=	96	%	EPA 624	-88	-88	82	125	
2017/18-2	ME-SCR	srgt environ	3/5/2018	Organic	1,2-Dichloroethane-d4	n/a	=	45.3	µg/L	EPA 624	-88	-88			
2017/18-2	ME-SCR	srgt environ, rec	3/5/2018	Organic	1,2-Dichloroethane-d4	n/a	=	91	%	EPA 624	-88	-88	82	125	
2017/18-2	ME-SCR	srgt matrix spike	3/6/2018	Organic	1,2-Dichloroethane-d4	n/a	=	47.3	µg/L	EPA 624	-88	-88			
2017/18-2	ME-SCR	srgt matrix spike, rec	3/6/2018	Organic	1,2-Dichloroethane-d4	n/a	=	95	%	EPA 624	-88	-88	82	125	
2017/18-2	ME-SCR	srgt matrix spike dup	3/6/2018	Organic	1,2-Dichloroethane-d4	n/a	=	47.7	µg/L	EPA 624	-88	-88			
2017/18-2	ME-SCR	srgt matrix spike dup, rec	3/6/2018	Organic	1,2-Dichloroethane-d4	n/a	=	95	%	EPA 624	-88	-88	82	125	
2017/18-2	ME-VR2	srgt environ	3/5/2018	Organic	1,2-Dichloroethane-d4	n/a	=	45.7	µg/L	EPA 624	-88	-88			
2017/18-2	ME-VR2	srgt environ, rec	3/5/2018	Organic	1,2-Dichloroethane-d4	n/a	=	91	%	EPA 624	-88	-88	82	125	
2017/18-2	MO-CAM	srgt environ	3/5/2018	Organic	1,2-Dichloroethane-d4	n/a	=	45.2	µg/L	EPA 624	-88	-88			
2017/18-2	MO-CAM	srgt environ, rec	3/5/2018	Organic	1,2-Dichloroethane-d4	n/a	=	90	%	EPA 624	-88	-88	82	125	
2017/18-2	MO-CAM	srgt field duplicate	3/5/2018	Organic	1,2-Dichloroethane-d4	n/a	=	45.4	µg/L	EPA 624	-88	-88			
2017/18-2	MO-CAM	srgt field duplicate, rec	3/5/2018	Organic	1,2-Dichloroethane-d4	n/a	=	91	%	EPA 624	-88	-88	82	125	
2017/18-2	MO-FIL	srgt environ	3/6/2018	Organic	1,2-Dichloroethane-d4	n/a	=	46.4	µg/L	EPA 624	-88	-88			
2017/18-2	MO-FIL	srgt environ, rec	3/6/2018	Organic	1,2-Dichloroethane-d4	n/a	=	93	%	EPA 624	-88	-88	82	125	
2017/18-2	MO-HUE	srgt environ	3/6/2018	Organic	1,2-Dichloroethane-d4	n/a	=	45.7	µg/L	EPA 624	-88	-88			
2017/18-2	MO-HUE	srgt environ, rec	3/6/2018	Organic	1,2-Dichloroethane-d4	n/a	=	91	%	EPA 624	-88	-88	82	125	
2017/18-2	MO-MEI	srgt environ	3/5/2018	Organic	1,2-Dichloroethane-d4	n/a	=	44.9	µg/L	EPA 624	-88	-88			
2017/18-2	MO-MEI	srgt environ, rec	3/5/2018	Organic	1,2-Dichloroethane-d4	n/a	=	90	%	EPA 624	-88	-88	82	125	
2017/18-2	MO-MPK	srgt environ	3/6/2018	Organic	1,2-Dichloroethane-d4	n/a	=	45.4	µg/L	EPA 624	-88	-88			
2017/18-2	MO-MPK	srgt environ, rec	3/6/2018	Organic	1,2-Dichloroethane-d4	n/a	=	91	%	EPA 624	-88	-88	82	125	
2017/18-2	MO-OJA	srgt environ	3/5/2018	Organic	1,2-Dichloroethane-d4	n/a	=	45.5	µg/L	EPA 624	-88	-88			
2017/18-2	MO-OJA	srgt environ, rec	3/5/2018	Organic	1,2-Dichloroethane-d4	n/a	=	91	%	EPA 624	-88	-88	82	125	
2017/18-2	MO-OXN	srgt environ	3/5/2018	Organic	1,2-Dichloroethane-d4	n/a	=	45.6	µg/L	EPA 624	-88	-88			
2017/18-2	MO-OXN	srgt environ, rec	3/5/2018	Organic	1,2-Dichloroethane-d4	n/a	=	91	%	EPA 624	-88	-88	82	125	
2017/18-2	MO-SIM	srgt environ	3/6/2018	Organic	1,2-Dichloroethane-d4	n/a	=	45.1	µg/L	EPA 624	-88	-88			
2017/18-2	MO-SIM	srgt environ, rec	3/6/2018	Organic	1,2-Dichloroethane-d4	n/a	=	90	%	EPA 624	-88	-88	82	125	
2017/18-2	MO-SPA	srgt environ	3/5/2018	Organic	1,2-Dichloroethane-d4	n/a	=	45.5	µg/L	EPA 624	-88	-88			
2017/18-2	MO-SPA	srgt environ, rec	3/5/2018	Organic	1,2-Dichloroethane-d4	n/a	=	91	%	EPA 624	-88	-88	82	125	
2017/18-2	MO-THO	srgt field blank	3/5/2018	Organic	1,2-Dichloroethane-d4	n/a	=	45.9	µg/L	EPA 624	-88	-88			
2017/18-2	MO-THO	srgt field blank, rec	3/5/2018	Organic	1,2-Dichloroethane-d4	n/a	=	92	%	EPA 624	-88	-88	82	125	
2017/18-2	MO-THO	srgt environ	3/6/2018	Organic	1,2-Dichloroethane-d4	n/a	=	45.2	µg/L	EPA 624	-88	-88			
2017/18-2	MO-THO	srgt environ, rec	3/6/2018	Organic	1,2-Dichloroethane-d4	n/a	=	90	%	EPA 624	-88	-88	82	125	
2017/18-2	MO-VEN	srgt environ	3/5/2018	Organic	1,2-Dichloroethane-d4	n/a	=	45.7	µg/L	EPA 624	-88	-88			
2017/18-2	MO-VEN	srgt environ, rec	3/5/2018	Organic	1,2-Dichloroethane-d4	n/a	=	91	%	EPA 624	-88	-88	82	125	
2017/18-2	Lab	method blank	3/12/2018	Organic	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2017/18-2	Lab	method blank	3/14/2018	Organic	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2017/18-2	Lab	method blank	3/12/2018	Organic	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1			
2017/18-2	Lab	LCS	3/12/2018	Organic	1,3-Dichlorobenzene	n/a	=	17.1	µg/L	EPA 625	0.53	1			
2017/18-2	Lab	LCS, rec	3/12/2018	Organic	1,3-Dichlorobenzene	n/a	=	69	%	EPA 625	-88	-88	0.1	172	
2017/18-2	Lab	LCS dup	3/13/2018	Organic	1,3-Dichlorobenzene	n/a	=	17.7	µg/L	EPA 625	0.53	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-2	Lab	LCS dup, rec	3/13/2018	Organic	1,3-Dichlorobenzene	n/a	=	71	%	EPA 625	-88	-88	0.1	172	
2017/18-2	Lab	LCS, RPD	3/13/2018	Organic	1,3-Dichlorobenzene	n/a	=	3	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/14/2018	Organic	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1			
2017/18-2	Lab	LCS	3/14/2018	Organic	1,3-Dichlorobenzene	n/a	=	18.5	µg/L	EPA 625	0.53	1			
2017/18-2	Lab	LCS, rec	3/14/2018	Organic	1,3-Dichlorobenzene	n/a	=	74	%	EPA 625	-88	-88	0.1	172	
2017/18-2	Lab	LCS dup	3/15/2018	Organic	1,3-Dichlorobenzene	n/a	=	17.1	µg/L	EPA 625	0.53	1			
2017/18-2	Lab	LCS dup, rec	3/15/2018	Organic	1,3-Dichlorobenzene	n/a	=	68	%	EPA 625	-88	-88	0.1	172	
2017/18-2	Lab	LCS, RPD	3/15/2018	Organic	1,3-Dichlorobenzene	n/a	=	8	%	EPA 625	-88	-88	0	30	
2017/18-2	000NONPJ	srgt matrix spike	3/8/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.344	µg/L	EPA 525.2m	-88	-88			GN
2017/18-2	000NONPJ	srgt matrix spike, rec	3/8/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	69	%	EPA 525.2m	-88	-88	76	128	GN
2017/18-2	000NONPJ	srgt matrix spike dup	3/8/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.331	µg/L	EPA 525.2m	-88	-88			GN
2017/18-2	000NONPJ	srgt matrix spike dup, rec	3/8/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	66	%	EPA 525.2m	-88	-88	76	128	GN
2017/18-2	000NONPJ	srgt matrix spike	3/15/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.342	µg/L	EPA 525.2m	-88	-88			GN
2017/18-2	000NONPJ	srgt matrix spike, rec	3/15/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	68	%	EPA 525.2m	-88	-88	76	128	GN
2017/18-2	000NONPJ	srgt matrix spike dup	3/15/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.286	µg/L	EPA 525.2m	-88	-88			GN
2017/18-2	000NONPJ	srgt matrix spike dup, rec	3/15/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	57	%	EPA 525.2m	-88	-88	76	128	GN
2017/18-2	Lab	srgt method blank	3/8/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.524	µg/L	EPA 525.2m	-88	-88			
2017/18-2	Lab	srgt method blank, rec	3/8/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	105	%	EPA 525.2m	-88	-88	76	128	
2017/18-2	Lab	srgt LCS	3/8/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.512	µg/L	EPA 525.2m	-88	-88			
2017/18-2	Lab	srgt LCS, rec	3/8/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	102	%	EPA 525.2m	-88	-88	76	128	
2017/18-2	Lab	srgt method blank	3/15/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.381	µg/L	EPA 525.2m	-88	-88			
2017/18-2	Lab	srgt method blank, rec	3/15/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	76	%	EPA 525.2m	-88	-88	76	128	
2017/18-2	Lab	srgt LCS	3/15/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.373	µg/L	EPA 525.2m	-88	-88			GN
2017/18-2	Lab	srgt LCS, rec	3/15/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	75	%	EPA 525.2m	-88	-88	76	128	GN
2017/18-2	Lab	srgt method blank	3/19/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.16	µg/L	EPA 525.2	-88	-88			
2017/18-2	Lab	srgt method blank, rec	3/19/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	103	%	EPA 525.2	-88	-88	70	130	
2017/18-2	Lab	srgt LCS	3/19/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.09	µg/L	EPA 525.2	-88	-88			
2017/18-2	Lab	srgt LCS, rec	3/19/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	102	%	EPA 525.2	-88	-88	70	130	
2017/18-2	Lab	srgt LCS dup	3/19/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.29	µg/L	EPA 525.2	-88	-88			
2017/18-2	Lab	srgt LCS dup, rec	3/19/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	106	%	EPA 525.2	-88	-88	70	130	
2017/18-2	Lab	srgt method blank	3/20/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.69	µg/L	EPA 525.2	-88	-88			
2017/18-2	Lab	srgt method blank, rec	3/20/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	94	%	EPA 525.2	-88	-88	70	130	
2017/18-2	Lab	srgt LCS	3/20/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.87	µg/L	EPA 525.2	-88	-88			
2017/18-2	Lab	srgt LCS, rec	3/20/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	97	%	EPA 525.2	-88	-88	70	130	
2017/18-2	Lab	srgt LCS dup	3/20/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.98	µg/L	EPA 525.2	-88	-88			
2017/18-2	Lab	srgt LCS dup, rec	3/20/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	100	%	EPA 525.2	-88	-88	70	130	
2017/18-2	ME-CC	srgt environ	3/9/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.328	µg/L	EPA 525.2m	-88	-88			GN
2017/18-2	ME-CC	srgt environ, rec	3/9/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	66	%	EPA 525.2m	-88	-88	76	128	GN
2017/18-2	ME-CC	srgt environ	3/20/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	30	µg/L	EPA 525.2	-88	-88			
2017/18-2	ME-CC	srgt environ, rec	3/20/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	120	%	EPA 525.2	-88	-88	70	130	
2017/18-2	ME-SCR	srgt environ	3/9/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.307	µg/L	EPA 525.2m	-88	-88			GN
2017/18-2	ME-SCR	srgt environ, rec	3/9/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	61	%	EPA 525.2m	-88	-88	76	128	GN
2017/18-2	ME-SCR	srgt environ	3/20/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	30	µg/L	EPA 525.2	-88	-88			
2017/18-2	ME-SCR	srgt environ, rec	3/20/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	120	%	EPA 525.2	-88	-88	70	130	
2017/18-2	ME-VR2	srgt environ	3/9/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.326	µg/L	EPA 525.2m	-88	-88			GN
2017/18-2	ME-VR2	srgt environ, rec	3/9/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	65	%	EPA 525.2m	-88	-88	76	128	GN
2017/18-2	ME-VR2	srgt environ	3/20/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	30.7	µg/L	EPA 525.2	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-2	ME-VR2	srgt environ, rec	3/20/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	123	%	EPA 525.2	-88	-88	70	130	
2017/18-2	MO-CAM	srgt environ	3/9/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.252	µg/L	EPA 525.2m	-88	-88			GN
2017/18-2	MO-CAM	srgt environ, rec	3/9/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	50	%	EPA 525.2m	-88	-88	76	128	GN
2017/18-2	MO-CAM	srgt environ	3/20/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	29.4	µg/L	EPA 525.2	-88	-88			
2017/18-2	MO-CAM	srgt environ, rec	3/20/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	118	%	EPA 525.2	-88	-88	70	130	
2017/18-2	MO-FIL	srgt environ	3/15/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.364	µg/L	EPA 525.2m	-88	-88			GN
2017/18-2	MO-FIL	srgt environ, rec	3/15/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	73	%	EPA 525.2m	-88	-88	76	128	GN
2017/18-2	MO-FIL	srgt environ	3/19/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	30.8	µg/L	EPA 525.2	-88	-88			
2017/18-2	MO-FIL	srgt environ, rec	3/19/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	123	%	EPA 525.2	-88	-88	70	130	
2017/18-2	MO-MEI	srgt environ	3/15/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.391	µg/L	EPA 525.2m	-88	-88			
2017/18-2	MO-MEI	srgt environ, rec	3/15/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	78	%	EPA 525.2m	-88	-88	76	128	
2017/18-2	MO-MEI	srgt environ	3/19/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	29.6	µg/L	EPA 525.2	-88	-88			
2017/18-2	MO-MEI	srgt environ, rec	3/19/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	118	%	EPA 525.2	-88	-88	70	130	
2017/18-2	MO-MPK	srgt environ	3/9/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.281	µg/L	EPA 525.2m	-88	-88			GN
2017/18-2	MO-MPK	srgt environ, rec	3/9/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	56	%	EPA 525.2m	-88	-88	76	128	GN
2017/18-2	MO-MPK	srgt environ	3/20/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	29.1	µg/L	EPA 525.2	-88	-88			
2017/18-2	MO-MPK	srgt environ, rec	3/20/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	116	%	EPA 525.2	-88	-88	70	130	
2017/18-2	MO-OJA	srgt environ	3/15/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.376	µg/L	EPA 525.2m	-88	-88			GN
2017/18-2	MO-OJA	srgt environ, rec	3/15/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	75	%	EPA 525.2m	-88	-88	76	128	GN
2017/18-2	MO-OJA	srgt environ	3/19/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	27.5	µg/L	EPA 525.2	-88	-88			
2017/18-2	MO-OJA	srgt environ, rec	3/19/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	110	%	EPA 525.2	-88	-88	70	130	
2017/18-2	MO-OXN	srgt environ	3/9/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.276	µg/L	EPA 525.2m	-88	-88			GN
2017/18-2	MO-OXN	srgt environ, rec	3/9/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	55	%	EPA 525.2m	-88	-88	76	128	GN
2017/18-2	MO-OXN	srgt environ	3/20/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	30.3	µg/L	EPA 525.2	-88	-88			
2017/18-2	MO-OXN	srgt environ, rec	3/20/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	121	%	EPA 525.2	-88	-88	70	130	
2017/18-2	MO-SIM	srgt environ	3/9/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.297	µg/L	EPA 525.2m	-88	-88			GN
2017/18-2	MO-SIM	srgt environ, rec	3/9/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	59	%	EPA 525.2m	-88	-88	76	128	GN
2017/18-2	MO-SIM	srgt environ	3/20/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	32.2	µg/L	EPA 525.2	-88	-88			
2017/18-2	MO-SIM	srgt environ, rec	3/20/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	129	%	EPA 525.2	-88	-88	70	130	
2017/18-2	MO-SPA	srgt environ	3/15/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.304	µg/L	EPA 525.2m	-88	-88			GN
2017/18-2	MO-SPA	srgt environ, rec	3/15/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	61	%	EPA 525.2m	-88	-88	76	128	GN
2017/18-2	MO-SPA	srgt environ	3/19/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	29.7	µg/L	EPA 525.2	-88	-88			
2017/18-2	MO-SPA	srgt environ, rec	3/19/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	119	%	EPA 525.2	-88	-88	70	130	
2017/18-2	MO-THO	srgt environ	3/9/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.268	µg/L	EPA 525.2m	-88	-88			GN
2017/18-2	MO-THO	srgt environ, rec	3/9/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	54	%	EPA 525.2m	-88	-88	76	128	GN
2017/18-2	MO-THO	srgt environ	3/20/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	30.8	µg/L	EPA 525.2	-88	-88			
2017/18-2	MO-THO	srgt environ, rec	3/20/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	123	%	EPA 525.2	-88	-88	70	130	
2017/18-2	MO-VEN	srgt environ	3/9/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.277	µg/L	EPA 525.2m	-88	-88			GN
2017/18-2	MO-VEN	srgt environ, rec	3/9/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	55	%	EPA 525.2m	-88	-88	76	128	GN
2017/18-2	MO-VEN	srgt environ	3/20/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	29.6	µg/L	EPA 525.2	-88	-88			
2017/18-2	MO-VEN	srgt environ, rec	3/20/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	118	%	EPA 525.2	-88	-88	70	130	
2017/18-2	Lab	method blank	3/12/2018	Organic	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1			
2017/18-2	Lab	LCS	3/12/2018	Organic	1,4-Dichlorobenzene	n/a	=	17.6	µg/L	EPA 625	0.55	1			
2017/18-2	Lab	LCS, rec	3/12/2018	Organic	1,4-Dichlorobenzene	n/a	=	70	%	EPA 625	-88	-88	20	124	
2017/18-2	Lab	LCS dup	3/13/2018	Organic	1,4-Dichlorobenzene	n/a	=	18.4	µg/L	EPA 625	0.55	1			
2017/18-2	Lab	LCS dup, rec	3/13/2018	Organic	1,4-Dichlorobenzene	n/a	=	73	%	EPA 625	-88	-88	20	124	
2017/18-2	Lab	LCS, RPD	3/13/2018	Organic	1,4-Dichlorobenzene	n/a	=	4	%	EPA 625	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-2	Lab	method blank	3/14/2018	Organic	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1			
2017/18-2	Lab	LCS	3/14/2018	Organic	1,4-Dichlorobenzene	n/a	=	18.8	µg/L	EPA 625	0.55	1			
2017/18-2	Lab	LCS, rec	3/14/2018	Organic	1,4-Dichlorobenzene	n/a	=	75	%	EPA 625	-88	-88	20	124	
2017/18-2	Lab	LCS dup	3/15/2018	Organic	1,4-Dichlorobenzene	n/a	=	17.2	µg/L	EPA 625	0.55	1			
2017/18-2	Lab	LCS dup, rec	3/15/2018	Organic	1,4-Dichlorobenzene	n/a	=	69	%	EPA 625	-88	-88	20	124	
2017/18-2	Lab	LCS, RPD	3/15/2018	Organic	1,4-Dichlorobenzene	n/a	=	9	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/19/2018	Organic	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-2	Lab	method blank	3/19/2018	Organic	1-Methylphenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-2	Lab	method blank	3/26/2018	Organic	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1			
2017/18-2	Lab	srgt method blank	3/12/2018	Organic	2,4,6-Tribromophenol	n/a	=	29.8	µg/L	EPA 625	-88	-88			
2017/18-2	Lab	srgt method blank, rec	3/12/2018	Organic	2,4,6-Tribromophenol	n/a	=	60	%	EPA 625	-88	-88	25	102	
2017/18-2	Lab	srgt LCS	3/12/2018	Organic	2,4,6-Tribromophenol	n/a	=	40.3	µg/L	EPA 625	-88	-88			
2017/18-2	Lab	srgt LCS, rec	3/12/2018	Organic	2,4,6-Tribromophenol	n/a	=	81	%	EPA 625	-88	-88	25	102	
2017/18-2	Lab	srgt LCS dup	3/13/2018	Organic	2,4,6-Tribromophenol	n/a	=	39.1	µg/L	EPA 625	-88	-88			
2017/18-2	Lab	srgt LCS dup, rec	3/13/2018	Organic	2,4,6-Tribromophenol	n/a	=	78	%	EPA 625	-88	-88	25	102	
2017/18-2	Lab	srgt method blank	3/14/2018	Organic	2,4,6-Tribromophenol	n/a	=	41.3	µg/L	EPA 625	-88	-88			
2017/18-2	Lab	srgt method blank, rec	3/14/2018	Organic	2,4,6-Tribromophenol	n/a	=	83	%	EPA 625	-88	-88	25	102	
2017/18-2	Lab	srgt LCS	3/14/2018	Organic	2,4,6-Tribromophenol	n/a	=	41.3	µg/L	EPA 625	-88	-88			
2017/18-2	Lab	srgt LCS, rec	3/14/2018	Organic	2,4,6-Tribromophenol	n/a	=	83	%	EPA 625	-88	-88	25	102	
2017/18-2	Lab	srgt LCS dup	3/15/2018	Organic	2,4,6-Tribromophenol	n/a	=	40.8	µg/L	EPA 625	-88	-88			
2017/18-2	Lab	srgt LCS dup, rec	3/15/2018	Organic	2,4,6-Tribromophenol	n/a	=	82	%	EPA 625	-88	-88	25	102	
2017/18-2	Lab	srgt method blank	3/26/2018	Organic	2,4,6-Tribromophenol	n/a	=	5.45	µg/L	EPA 8270C	-88	-88			
2017/18-2	Lab	srgt method blank, rec	3/26/2018	Organic	2,4,6-Tribromophenol	n/a	=	54	%	EPA 8270C	-88	-88	26	117	
2017/18-2	Lab	srgt LCS	3/26/2018	Organic	2,4,6-Tribromophenol	n/a	=	5.56	µg/L	EPA 8270C	-88	-88			
2017/18-2	Lab	srgt LCS, rec	3/26/2018	Organic	2,4,6-Tribromophenol	n/a	=	56	%	EPA 8270C	-88	-88	26	117	
2017/18-2	Lab	srgt LCS dup	3/26/2018	Organic	2,4,6-Tribromophenol	n/a	=	4.86	µg/L	EPA 8270C	-88	-88			
2017/18-2	Lab	srgt LCS dup, rec	3/26/2018	Organic	2,4,6-Tribromophenol	n/a	=	49	%	EPA 8270C	-88	-88	26	117	
2017/18-2	ME-CC	srgt environ	3/15/2018	Organic	2,4,6-Tribromophenol	n/a	=	38	µg/L	EPA 625	-88	-88			
2017/18-2	ME-CC	srgt environ, rec	3/15/2018	Organic	2,4,6-Tribromophenol	n/a	=	76	%	EPA 625	-88	-88	25	102	
2017/18-2	ME-CC	srgt environ	3/26/2018	Organic	2,4,6-Tribromophenol	n/a	=	7.38	µg/L	EPA 8270C	-88	-88			
2017/18-2	ME-CC	srgt environ, rec	3/26/2018	Organic	2,4,6-Tribromophenol	n/a	=	74	%	EPA 8270C	-88	-88	26	117	
2017/18-2	ME-SCR	srgt environ	3/15/2018	Organic	2,4,6-Tribromophenol	n/a	=	23.1	µg/L	EPA 625	-88	-88			
2017/18-2	ME-SCR	srgt environ, rec	3/15/2018	Organic	2,4,6-Tribromophenol	n/a	=	46	%	EPA 625	-88	-88	25	102	
2017/18-2	ME-SCR	srgt environ	3/26/2018	Organic	2,4,6-Tribromophenol	n/a	=	3.99	µg/L	EPA 8270C	-88	-88			
2017/18-2	ME-SCR	srgt environ, rec	3/26/2018	Organic	2,4,6-Tribromophenol	n/a	=	40	%	EPA 8270C	-88	-88	26	117	
2017/18-2	ME-VR2	srgt environ	3/15/2018	Organic	2,4,6-Tribromophenol	n/a	=	34	µg/L	EPA 625	-88	-88			
2017/18-2	ME-VR2	srgt environ, rec	3/15/2018	Organic	2,4,6-Tribromophenol	n/a	=	68	%	EPA 625	-88	-88	25	102	
2017/18-2	ME-VR2	srgt environ	3/26/2018	Organic	2,4,6-Tribromophenol	n/a	=	6.46	µg/L	EPA 8270C	-88	-88			
2017/18-2	ME-VR2	srgt environ, rec	3/26/2018	Organic	2,4,6-Tribromophenol	n/a	=	65	%	EPA 8270C	-88	-88	26	117	
2017/18-2	MO-CAM	srgt environ	3/15/2018	Organic	2,4,6-Tribromophenol	n/a	=	44.7	µg/L	EPA 625	-88	-88			
2017/18-2	MO-CAM	srgt environ, rec	3/15/2018	Organic	2,4,6-Tribromophenol	n/a	=	89	%	EPA 625	-88	-88	25	102	
2017/18-2	MO-CAM	srgt environ	3/26/2018	Organic	2,4,6-Tribromophenol	n/a	<	0	µg/L	EPA 8270C	-88	-88			GN
2017/18-2	MO-CAM	srgt environ, rec	3/26/2018	Organic	2,4,6-Tribromophenol	n/a	=	0	%	EPA 8270C	-88	-88	26	117	GN
2017/18-2	MO-FIL	srgt environ	3/13/2018	Organic	2,4,6-Tribromophenol	n/a	=	42.4	µg/L	EPA 625	-88	-88			
2017/18-2	MO-FIL	srgt environ, rec	3/13/2018	Organic	2,4,6-Tribromophenol	n/a	=	85	%	EPA 625	-88	-88	25	102	
2017/18-2	MO-FIL	srgt environ	3/26/2018	Organic	2,4,6-Tribromophenol	n/a	=	5.16	µg/L	EPA 8270C	-88	-88			
2017/18-2	MO-FIL	srgt environ, rec	3/26/2018	Organic	2,4,6-Tribromophenol	n/a	=	52	%	EPA 8270C	-88	-88	26	117	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-2	MO-MEI	srgt environ	3/13/2018	Organic	2,4,6-Tribromophenol	n/a	=	34.6	µg/L	EPA 625	-88	-88			
2017/18-2	MO-MEI	srgt environ, rec	3/13/2018	Organic	2,4,6-Tribromophenol	n/a	=	69	%	EPA 625	-88	-88	25	102	
2017/18-2	MO-MEI	srgt environ	3/26/2018	Organic	2,4,6-Tribromophenol	n/a	=	6.08	µg/L	EPA 8270C	-88	-88			
2017/18-2	MO-MEI	srgt environ, rec	3/26/2018	Organic	2,4,6-Tribromophenol	n/a	=	61	%	EPA 8270C	-88	-88	26	117	
2017/18-2	MO-MPK	srgt environ	3/15/2018	Organic	2,4,6-Tribromophenol	n/a	=	44.1	µg/L	EPA 625	-88	-88			
2017/18-2	MO-MPK	srgt environ, rec	3/15/2018	Organic	2,4,6-Tribromophenol	n/a	=	88	%	EPA 625	-88	-88	25	102	
2017/18-2	MO-MPK	srgt environ	3/26/2018	Organic	2,4,6-Tribromophenol	n/a	=	8.13	µg/L	EPA 8270C	-88	-88			
2017/18-2	MO-MPK	srgt environ, rec	3/26/2018	Organic	2,4,6-Tribromophenol	n/a	=	81	%	EPA 8270C	-88	-88	26	117	
2017/18-2	MO-OJA	srgt environ	3/13/2018	Organic	2,4,6-Tribromophenol	n/a	=	35	µg/L	EPA 625	-88	-88			
2017/18-2	MO-OJA	srgt environ, rec	3/13/2018	Organic	2,4,6-Tribromophenol	n/a	=	70	%	EPA 625	-88	-88	25	102	
2017/18-2	MO-OJA	srgt environ	3/26/2018	Organic	2,4,6-Tribromophenol	n/a	=	1.57	µg/L	EPA 8270C	-88	-88			GN
2017/18-2	MO-OJA	srgt environ, rec	3/26/2018	Organic	2,4,6-Tribromophenol	n/a	=	16	%	EPA 8270C	-88	-88	26	117	GN
2017/18-2	MO-OXN	srgt environ	3/15/2018	Organic	2,4,6-Tribromophenol	n/a	=	44.6	µg/L	EPA 625	-88	-88			
2017/18-2	MO-OXN	srgt environ, rec	3/15/2018	Organic	2,4,6-Tribromophenol	n/a	=	89	%	EPA 625	-88	-88	25	102	
2017/18-2	MO-OXN	srgt environ	3/26/2018	Organic	2,4,6-Tribromophenol	n/a	=	0.974	µg/L	EPA 8270C	-88	-88			GN
2017/18-2	MO-OXN	srgt environ, rec	3/26/2018	Organic	2,4,6-Tribromophenol	n/a	=	10	%	EPA 8270C	-88	-88	26	117	GN
2017/18-2	MO-SIM	srgt environ	3/15/2018	Organic	2,4,6-Tribromophenol	n/a	=	40.1	µg/L	EPA 625	-88	-88			
2017/18-2	MO-SIM	srgt environ, rec	3/15/2018	Organic	2,4,6-Tribromophenol	n/a	=	80	%	EPA 625	-88	-88	25	102	
2017/18-2	MO-SIM	srgt environ	3/26/2018	Organic	2,4,6-Tribromophenol	n/a	=	3.14	µg/L	EPA 8270C	-88	-88			
2017/18-2	MO-SIM	srgt environ, rec	3/26/2018	Organic	2,4,6-Tribromophenol	n/a	=	31	%	EPA 8270C	-88	-88	26	117	
2017/18-2	MO-SPA	srgt environ	3/13/2018	Organic	2,4,6-Tribromophenol	n/a	=	37.7	µg/L	EPA 625	-88	-88			
2017/18-2	MO-SPA	srgt environ, rec	3/13/2018	Organic	2,4,6-Tribromophenol	n/a	=	75	%	EPA 625	-88	-88	25	102	
2017/18-2	MO-SPA	srgt environ	3/26/2018	Organic	2,4,6-Tribromophenol	n/a	=	2.06	µg/L	EPA 8270C	-88	-88			GN
2017/18-2	MO-SPA	srgt environ, rec	3/26/2018	Organic	2,4,6-Tribromophenol	n/a	=	21	%	EPA 8270C	-88	-88	26	117	GN
2017/18-2	MO-THO	srgt environ	3/15/2018	Organic	2,4,6-Tribromophenol	n/a	=	41.5	µg/L	EPA 625	-88	-88			
2017/18-2	MO-THO	srgt environ, rec	3/15/2018	Organic	2,4,6-Tribromophenol	n/a	=	83	%	EPA 625	-88	-88	25	102	
2017/18-2	MO-THO	srgt environ	3/26/2018	Organic	2,4,6-Tribromophenol	n/a	=	6.15	µg/L	EPA 8270C	-88	-88			
2017/18-2	MO-THO	srgt environ, rec	3/26/2018	Organic	2,4,6-Tribromophenol	n/a	=	62	%	EPA 8270C	-88	-88	26	117	
2017/18-2	MO-VEN	srgt environ	3/15/2018	Organic	2,4,6-Tribromophenol	n/a	=	44.8	µg/L	EPA 625	-88	-88			
2017/18-2	MO-VEN	srgt environ, rec	3/15/2018	Organic	2,4,6-Tribromophenol	n/a	=	90	%	EPA 625	-88	-88	25	102	
2017/18-2	MO-VEN	srgt environ	3/26/2018	Organic	2,4,6-Tribromophenol	n/a	=	0.968	µg/L	EPA 8270C	-88	-88			GN
2017/18-2	MO-VEN	srgt environ, rec	3/26/2018	Organic	2,4,6-Tribromophenol	n/a	=	10	%	EPA 8270C	-88	-88	26	117	GN
2017/18-2	Lab	method blank	3/12/2018	Organic	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2017/18-2	Lab	LCS	3/12/2018	Organic	2,4,6-Trichlorophenol	n/a	=	19.7	µg/L	EPA 625	0.22	1			
2017/18-2	Lab	LCS, rec	3/12/2018	Organic	2,4,6-Trichlorophenol	n/a	=	79	%	EPA 625	-88	-88	37	144	
2017/18-2	Lab	LCS dup	3/13/2018	Organic	2,4,6-Trichlorophenol	n/a	=	18.6	µg/L	EPA 625	0.22	1			
2017/18-2	Lab	LCS dup, rec	3/13/2018	Organic	2,4,6-Trichlorophenol	n/a	=	74	%	EPA 625	-88	-88	37	144	
2017/18-2	Lab	LCS, RPD	3/13/2018	Organic	2,4,6-Trichlorophenol	n/a	=	6	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/14/2018	Organic	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2017/18-2	Lab	LCS	3/14/2018	Organic	2,4,6-Trichlorophenol	n/a	=	22.1	µg/L	EPA 625	0.22	1			
2017/18-2	Lab	LCS, rec	3/14/2018	Organic	2,4,6-Trichlorophenol	n/a	=	89	%	EPA 625	-88	-88	37	144	
2017/18-2	Lab	LCS dup	3/15/2018	Organic	2,4,6-Trichlorophenol	n/a	=	20.7	µg/L	EPA 625	0.22	1			
2017/18-2	Lab	LCS dup, rec	3/15/2018	Organic	2,4,6-Trichlorophenol	n/a	=	83	%	EPA 625	-88	-88	37	144	
2017/18-2	Lab	LCS, RPD	3/15/2018	Organic	2,4,6-Trichlorophenol	n/a	=	7	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/26/2018	Organic	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1			
2017/18-2	Lab	LCS	3/26/2018	Organic	2,4,6-Trichlorophenol	n/a	=	7.28	µg/L	EPA 8270C	0.3	1			
2017/18-2	Lab	LCS, rec	3/26/2018	Organic	2,4,6-Trichlorophenol	n/a	=	73	%	EPA 8270C	-88	-88	30	115	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-2	Lab	LCS dup	3/26/2018	Organic	2,4,6-Trichlorophenol	n/a	=	6.62	µg/L	EPA 8270C	0.3	1			
2017/18-2	Lab	LCS dup, rec	3/26/2018	Organic	2,4,6-Trichlorophenol	n/a	=	66	%	EPA 8270C	-88	-88	30	115	
2017/18-2	Lab	LCS, RPD	3/26/2018	Organic	2,4,6-Trichlorophenol	n/a	=	10	%	EPA 8270C	-88	-88	0	30	
2017/18-2	Lab	method blank	3/12/2018	Organic	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2017/18-2	Lab	LCS	3/12/2018	Organic	2,4-Dichlorophenol	n/a	=	21.3	µg/L	EPA 625	0.26	1			
2017/18-2	Lab	LCS, rec	3/12/2018	Organic	2,4-Dichlorophenol	n/a	=	85	%	EPA 625	-88	-88	39	135	
2017/18-2	Lab	LCS dup	3/13/2018	Organic	2,4-Dichlorophenol	n/a	=	19.5	µg/L	EPA 625	0.26	1			
2017/18-2	Lab	LCS dup, rec	3/13/2018	Organic	2,4-Dichlorophenol	n/a	=	78	%	EPA 625	-88	-88	39	135	
2017/18-2	Lab	LCS, RPD	3/13/2018	Organic	2,4-Dichlorophenol	n/a	=	9	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/14/2018	Organic	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2017/18-2	Lab	LCS	3/14/2018	Organic	2,4-Dichlorophenol	n/a	=	19.9	µg/L	EPA 625	0.26	1			
2017/18-2	Lab	LCS, rec	3/14/2018	Organic	2,4-Dichlorophenol	n/a	=	80	%	EPA 625	-88	-88	39	135	
2017/18-2	Lab	LCS dup	3/15/2018	Organic	2,4-Dichlorophenol	n/a	=	18.2	µg/L	EPA 625	0.26	1			
2017/18-2	Lab	LCS dup, rec	3/15/2018	Organic	2,4-Dichlorophenol	n/a	=	73	%	EPA 625	-88	-88	39	135	
2017/18-2	Lab	LCS, RPD	3/15/2018	Organic	2,4-Dichlorophenol	n/a	=	9	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/26/2018	Organic	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1			
2017/18-2	Lab	LCS	3/26/2018	Organic	2,4-Dichlorophenol	n/a	=	6.41	µg/L	EPA 8270C	0.51	1			
2017/18-2	Lab	LCS, rec	3/26/2018	Organic	2,4-Dichlorophenol	n/a	=	64	%	EPA 8270C	-88	-88	32	105	
2017/18-2	Lab	LCS dup	3/26/2018	Organic	2,4-Dichlorophenol	n/a	=	5.87	µg/L	EPA 8270C	0.51	1			
2017/18-2	Lab	LCS dup, rec	3/26/2018	Organic	2,4-Dichlorophenol	n/a	=	59	%	EPA 8270C	-88	-88	32	105	
2017/18-2	Lab	LCS, RPD	3/26/2018	Organic	2,4-Dichlorophenol	n/a	=	9	%	EPA 8270C	-88	-88	0	30	
2017/18-2	000NONPJ	srgt matrix spike	3/13/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	11.3	µg/L	EPA 515.3	-88	-88			
2017/18-2	000NONPJ	srgt matrix spike, rec	3/13/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	113	%	EPA 515.3	-88	-88	70	130	
2017/18-2	000NONPJ	srgt matrix spike dup	3/13/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	11.2	µg/L	EPA 515.3	-88	-88			
2017/18-2	000NONPJ	srgt matrix spike dup, rec	3/13/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	112	%	EPA 515.3	-88	-88	70	130	
2017/18-2	000NONPJ	srgt matrix spike	3/13/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	11.8	µg/L	EPA 515.3	-88	-88			
2017/18-2	000NONPJ	srgt matrix spike, rec	3/13/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	118	%	EPA 515.3	-88	-88	70	130	
2017/18-2	000NONPJ	srgt matrix spike dup	3/13/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.7	µg/L	EPA 515.3	-88	-88			
2017/18-2	000NONPJ	srgt matrix spike dup, rec	3/13/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	107	%	EPA 515.3	-88	-88	70	130	
2017/18-2	Lab	srgt method blank	3/13/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	11.3	µg/L	EPA 515.3	-88	-88			
2017/18-2	Lab	srgt method blank, rec	3/13/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	113	%	EPA 515.3	-88	-88	70	130	
2017/18-2	Lab	srgt LCS	3/13/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	11.7	µg/L	EPA 515.3	-88	-88			
2017/18-2	Lab	srgt LCS, rec	3/13/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	117	%	EPA 515.3	-88	-88	70	130	
2017/18-2	ME-CC	srgt environ	3/13/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.8	µg/L	EPA 515.3	-88	-88			
2017/18-2	ME-CC	srgt environ, rec	3/13/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	108	%	EPA 515.3	-88	-88	70	130	
2017/18-2	ME-SCR	srgt environ	3/13/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.9	µg/L	EPA 515.3	-88	-88			
2017/18-2	ME-SCR	srgt environ, rec	3/13/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	109	%	EPA 515.3	-88	-88	70	130	
2017/18-2	ME-VR2	srgt environ	3/13/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	11.1	µg/L	EPA 515.3	-88	-88			
2017/18-2	ME-VR2	srgt environ, rec	3/13/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	111	%	EPA 515.3	-88	-88	70	130	
2017/18-2	MO-CAM	srgt environ	3/13/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.5	µg/L	EPA 515.3	-88	-88			
2017/18-2	MO-CAM	srgt environ, rec	3/13/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	105	%	EPA 515.3	-88	-88	70	130	
2017/18-2	MO-FIL	srgt environ	3/13/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.1	µg/L	EPA 515.3	-88	-88			
2017/18-2	MO-FIL	srgt environ, rec	3/13/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	101	%	EPA 515.3	-88	-88	70	130	
2017/18-2	MO-MEI	srgt environ	3/13/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.38	µg/L	EPA 515.3	-88	-88			
2017/18-2	MO-MEI	srgt environ, rec	3/13/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	94	%	EPA 515.3	-88	-88	70	130	
2017/18-2	MO-MPK	srgt environ	3/13/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	11.1	µg/L	EPA 515.3	-88	-88			
2017/18-2	MO-MPK	srgt environ, rec	3/13/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	111	%	EPA 515.3	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-2	MO-OJA	srgt environ	3/13/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.4	µg/L	EPA 515.3	-88	-88			
2017/18-2	MO-OJA	srgt environ, rec	3/13/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	94	%	EPA 515.3	-88	-88	70	130	
2017/18-2	MO-OXN	srgt environ	3/13/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.5	µg/L	EPA 515.3	-88	-88			
2017/18-2	MO-OXN	srgt environ, rec	3/13/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	105	%	EPA 515.3	-88	-88	70	130	
2017/18-2	MO-SIM	srgt environ	3/13/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	11.2	µg/L	EPA 515.3	-88	-88			
2017/18-2	MO-SIM	srgt environ, rec	3/13/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	112	%	EPA 515.3	-88	-88	70	130	
2017/18-2	MO-SPA	srgt environ	3/13/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.65	µg/L	EPA 515.3	-88	-88			
2017/18-2	MO-SPA	srgt environ, rec	3/13/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	97	%	EPA 515.3	-88	-88	70	130	
2017/18-2	MO-THO	srgt environ	3/13/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	11.3	µg/L	EPA 515.3	-88	-88			
2017/18-2	MO-THO	srgt environ, rec	3/13/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	113	%	EPA 515.3	-88	-88	70	130	
2017/18-2	MO-VEN	srgt environ	3/13/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	11.2	µg/L	EPA 515.3	-88	-88			
2017/18-2	MO-VEN	srgt environ, rec	3/13/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	112	%	EPA 515.3	-88	-88	70	130	
2017/18-2	Lab	method blank	3/12/2018	Organic	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1			
2017/18-2	Lab	LCS	3/12/2018	Organic	2,4-Dimethylphenol	n/a	=	20.3	µg/L	EPA 625	0.3	1			
2017/18-2	Lab	LCS, rec	3/12/2018	Organic	2,4-Dimethylphenol	n/a	=	81	%	EPA 625	-88	-88	32	119	
2017/18-2	Lab	LCS dup	3/13/2018	Organic	2,4-Dimethylphenol	n/a	=	17.2	µg/L	EPA 625	0.3	1			
2017/18-2	Lab	LCS dup, rec	3/13/2018	Organic	2,4-Dimethylphenol	n/a	=	69	%	EPA 625	-88	-88	32	119	
2017/18-2	Lab	LCS, RPD	3/13/2018	Organic	2,4-Dimethylphenol	n/a	=	17	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/14/2018	Organic	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1			
2017/18-2	Lab	LCS	3/14/2018	Organic	2,4-Dimethylphenol	n/a	=	9.31	µg/L	EPA 625	0.3	1			
2017/18-2	Lab	LCS, rec	3/14/2018	Organic	2,4-Dimethylphenol	n/a	=	37	%	EPA 625	-88	-88	32	119	
2017/18-2	Lab	LCS dup	3/15/2018	Organic	2,4-Dimethylphenol	n/a	=	14.5	µg/L	EPA 625	0.3	1			
2017/18-2	Lab	LCS dup, rec	3/15/2018	Organic	2,4-Dimethylphenol	n/a	=	58	%	EPA 625	-88	-88	32	119	
2017/18-2	Lab	LCS, RPD	3/15/2018	Organic	2,4-Dimethylphenol	n/a	=	43	%	EPA 625	-88	-88	0	30	IL
2017/18-2	Lab	method blank	3/26/2018	Organic	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2			
2017/18-2	Lab	LCS	3/26/2018	Organic	2,4-Dimethylphenol	n/a	=	3.88	µg/L	EPA 8270C	1	2			
2017/18-2	Lab	LCS, rec	3/26/2018	Organic	2,4-Dimethylphenol	n/a	=	39	%	EPA 8270C	-88	-88	31	97	
2017/18-2	Lab	LCS dup	3/26/2018	Organic	2,4-Dimethylphenol	n/a	DNQ	1.18	µg/L	EPA 8270C	1	2			EUM
2017/18-2	Lab	LCS dup, rec	3/26/2018	Organic	2,4-Dimethylphenol	n/a	=	12	%	EPA 8270C	-88	-88	31	97	EUM
2017/18-2	Lab	LCS, RPD	3/26/2018	Organic	2,4-Dimethylphenol	n/a	=	106	%	EPA 8270C	-88	-88	0	30	IL
2017/18-2	Lab	method blank	3/12/2018	Organic	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	5			
2017/18-2	Lab	LCS	3/12/2018	Organic	2,4-Dinitrophenol	n/a	DNQ	8.08	µg/L	EPA 625	1.6	10			
2017/18-2	Lab	LCS, rec	3/12/2018	Organic	2,4-Dinitrophenol	n/a	=	32	%	EPA 625	-88	-88	0.1	191	
2017/18-2	Lab	LCS dup	3/13/2018	Organic	2,4-Dinitrophenol	n/a	DNQ	9.45	µg/L	EPA 625	1.6	10			
2017/18-2	Lab	LCS dup, rec	3/13/2018	Organic	2,4-Dinitrophenol	n/a	=	38	%	EPA 625	-88	-88	0.1	191	
2017/18-2	Lab	LCS, RPD	3/13/2018	Organic	2,4-Dinitrophenol	n/a	=	16	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/14/2018	Organic	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10			
2017/18-2	Lab	LCS	3/14/2018	Organic	2,4-Dinitrophenol	n/a	=	21.2	µg/L	EPA 625	1.6	10			
2017/18-2	Lab	LCS, rec	3/14/2018	Organic	2,4-Dinitrophenol	n/a	=	85	%	EPA 625	-88	-88	0.1	191	
2017/18-2	Lab	LCS dup	3/15/2018	Organic	2,4-Dinitrophenol	n/a	=	21.1	µg/L	EPA 625	1.6	10			
2017/18-2	Lab	LCS dup, rec	3/15/2018	Organic	2,4-Dinitrophenol	n/a	=	85	%	EPA 625	-88	-88	0.1	191	
2017/18-2	Lab	LCS, RPD	3/15/2018	Organic	2,4-Dinitrophenol	n/a	=	0.2	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/26/2018	Organic	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2			
2017/18-2	Lab	LCS	3/26/2018	Organic	2,4-Dinitrophenol	n/a	=	4.46	µg/L	EPA 8270C	1	2			
2017/18-2	Lab	LCS, rec	3/26/2018	Organic	2,4-Dinitrophenol	n/a	=	45	%	EPA 8270C	-88	-88	7	155	
2017/18-2	Lab	LCS dup	3/26/2018	Organic	2,4-Dinitrophenol	n/a	=	4.08	µg/L	EPA 8270C	1	2			
2017/18-2	Lab	LCS dup, rec	3/26/2018	Organic	2,4-Dinitrophenol	n/a	=	41	%	EPA 8270C	-88	-88	7	155	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-2	Lab	LCS, RPD	3/26/2018	Organic	2,4-Dinitrophenol	n/a	=	9	%	EPA 8270C	-88	-88	0	30	
2017/18-2	Lab	method blank	3/12/2018	Organic	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2017/18-2	Lab	LCS	3/12/2018	Organic	2,4-Dinitrotoluene	n/a	=	21.9	µg/L	EPA 625	0.18	1			
2017/18-2	Lab	LCS, rec	3/12/2018	Organic	2,4-Dinitrotoluene	n/a	=	87	%	EPA 625	-88	-88	39	139	
2017/18-2	Lab	LCS dup	3/13/2018	Organic	2,4-Dinitrotoluene	n/a	=	21.9	µg/L	EPA 625	0.18	1			
2017/18-2	Lab	LCS dup, rec	3/13/2018	Organic	2,4-Dinitrotoluene	n/a	=	88	%	EPA 625	-88	-88	39	139	
2017/18-2	Lab	LCS, RPD	3/13/2018	Organic	2,4-Dinitrotoluene	n/a	=	0.2	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/14/2018	Organic	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2017/18-2	Lab	LCS	3/14/2018	Organic	2,4-Dinitrotoluene	n/a	=	21.6	µg/L	EPA 625	0.18	1			
2017/18-2	Lab	LCS, rec	3/14/2018	Organic	2,4-Dinitrotoluene	n/a	=	86	%	EPA 625	-88	-88	39	139	
2017/18-2	Lab	LCS dup	3/15/2018	Organic	2,4-Dinitrotoluene	n/a	=	21.2	µg/L	EPA 625	0.18	1			
2017/18-2	Lab	LCS dup, rec	3/15/2018	Organic	2,4-Dinitrotoluene	n/a	=	85	%	EPA 625	-88	-88	39	139	
2017/18-2	Lab	LCS, RPD	3/15/2018	Organic	2,4-Dinitrotoluene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/19/2018	Organic	2,6-Dimethylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-2	Lab	method blank	3/12/2018	Organic	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2017/18-2	Lab	LCS	3/12/2018	Organic	2,6-Dinitrotoluene	n/a	=	20.8	µg/L	EPA 625	0.27	1			
2017/18-2	Lab	LCS, rec	3/12/2018	Organic	2,6-Dinitrotoluene	n/a	=	83	%	EPA 625	-88	-88	50	158	
2017/18-2	Lab	LCS dup	3/13/2018	Organic	2,6-Dinitrotoluene	n/a	=	20.7	µg/L	EPA 625	0.27	1			
2017/18-2	Lab	LCS dup, rec	3/13/2018	Organic	2,6-Dinitrotoluene	n/a	=	83	%	EPA 625	-88	-88	50	158	
2017/18-2	Lab	LCS, RPD	3/13/2018	Organic	2,6-Dinitrotoluene	n/a	=	0.4	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/14/2018	Organic	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2017/18-2	Lab	LCS	3/14/2018	Organic	2,6-Dinitrotoluene	n/a	=	22.4	µg/L	EPA 625	0.27	1			
2017/18-2	Lab	LCS, rec	3/14/2018	Organic	2,6-Dinitrotoluene	n/a	=	90	%	EPA 625	-88	-88	50	158	
2017/18-2	Lab	LCS dup	3/15/2018	Organic	2,6-Dinitrotoluene	n/a	=	21	µg/L	EPA 625	0.27	1			
2017/18-2	Lab	LCS dup, rec	3/15/2018	Organic	2,6-Dinitrotoluene	n/a	=	84	%	EPA 625	-88	-88	50	158	
2017/18-2	Lab	LCS, RPD	3/15/2018	Organic	2,6-Dinitrotoluene	n/a	=	7	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	LCS	3/5/2018	Organic	2-Chloroethyl vinyl ether	n/a	=	55	µg/L	EPA 624	0.28	1			
2017/18-2	Lab	LCS, rec	3/5/2018	Organic	2-Chloroethyl vinyl ether	n/a	=	110	%	EPA 624	-88	-88	0.1	305	
2017/18-2	Lab	LCS dup	3/5/2018	Organic	2-Chloroethyl vinyl ether	n/a	=	53	µg/L	EPA 624	0.28	1			
2017/18-2	Lab	LCS dup, rec	3/5/2018	Organic	2-Chloroethyl vinyl ether	n/a	=	106	%	EPA 624	-88	-88	0.1	305	
2017/18-2	Lab	LCS, RPD	3/5/2018	Organic	2-Chloroethyl vinyl ether	n/a	=	4	%	EPA 624	-88	-88	0	25	
2017/18-2	Lab	method blank	3/5/2018	Organic	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1			
2017/18-2	Lab	LCS	3/7/2018	Organic	2-Chloroethyl vinyl ether	n/a	=	58.5	µg/L	EPA 624	0.28	1			
2017/18-2	Lab	LCS, rec	3/7/2018	Organic	2-Chloroethyl vinyl ether	n/a	=	117	%	EPA 624	-88	-88	0.1	305	
2017/18-2	Lab	LCS dup	3/7/2018	Organic	2-Chloroethyl vinyl ether	n/a	=	56.8	µg/L	EPA 624	0.28	1			
2017/18-2	Lab	LCS dup, rec	3/7/2018	Organic	2-Chloroethyl vinyl ether	n/a	=	114	%	EPA 624	-88	-88	0.1	305	
2017/18-2	Lab	LCS, RPD	3/7/2018	Organic	2-Chloroethyl vinyl ether	n/a	=	3	%	EPA 624	-88	-88	0	25	
2017/18-2	Lab	method blank	3/7/2018	Organic	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1			
2017/18-2	ME-CC	matrix spike	3/7/2018	Organic	2-Chloroethyl vinyl ether	n/a	=	51.3	µg/L	EPA 624	0.28	1			
2017/18-2	ME-CC	matrix spike, rec	3/7/2018	Organic	2-Chloroethyl vinyl ether	n/a	=	103	%	EPA 624	-88	-88	0.1	305	
2017/18-2	ME-CC	matrix spike dup	3/7/2018	Organic	2-Chloroethyl vinyl ether	n/a	=	51.6	µg/L	EPA 624	0.28	1			
2017/18-2	ME-CC	matrix spike dup, rec	3/7/2018	Organic	2-Chloroethyl vinyl ether	n/a	=	103	%	EPA 624	-88	-88	0.1	305	
2017/18-2	ME-CC	matrix spike, RPD	3/7/2018	Organic	2-Chloroethyl vinyl ether	n/a	=	0.6	%	EPA 624	-88	-88	0	25	
2017/18-2	ME-SCR	matrix spike	3/6/2018	Organic	2-Chloroethyl vinyl ether	n/a	=	48	µg/L	EPA 624	0.28	1			
2017/18-2	ME-SCR	matrix spike, rec	3/6/2018	Organic	2-Chloroethyl vinyl ether	n/a	=	96	%	EPA 624	-88	-88	0.1	305	
2017/18-2	ME-SCR	matrix spike dup	3/6/2018	Organic	2-Chloroethyl vinyl ether	n/a	=	48	µg/L	EPA 624	0.28	1			
2017/18-2	ME-SCR	matrix spike dup, rec	3/6/2018	Organic	2-Chloroethyl vinyl ether	n/a	=	96	%	EPA 624	-88	-88	0.1	305	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-2	ME-SCR	matrix spike, RPD	3/6/2018	Organic	2-Chloroethyl vinyl ether	n/a	=	0.02	%	EPA 624	-88	-88	0	25	
2017/18-2	MO-CAM	field duplicate	3/5/2018	Organic	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1			
2017/18-2	MO-THO	field blank	3/5/2018	Organic	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1			
2017/18-2	Lab	method blank	3/12/2018	Organic	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1			
2017/18-2	Lab	LCS	3/12/2018	Organic	2-Chloronaphthalene	n/a	=	20.2	µg/L	EPA 625	0.45	1			
2017/18-2	Lab	LCS, rec	3/12/2018	Organic	2-Chloronaphthalene	n/a	=	81	%	EPA 625	-88	-88	60	118	
2017/18-2	Lab	LCS dup	3/13/2018	Organic	2-Chloronaphthalene	n/a	=	19.8	µg/L	EPA 625	0.45	1			
2017/18-2	Lab	LCS dup, rec	3/13/2018	Organic	2-Chloronaphthalene	n/a	=	79	%	EPA 625	-88	-88	60	118	
2017/18-2	Lab	LCS, RPD	3/13/2018	Organic	2-Chloronaphthalene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/14/2018	Organic	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1			
2017/18-2	Lab	LCS	3/14/2018	Organic	2-Chloronaphthalene	n/a	=	22.8	µg/L	EPA 625	0.45	1			
2017/18-2	Lab	LCS, rec	3/14/2018	Organic	2-Chloronaphthalene	n/a	=	91	%	EPA 625	-88	-88	60	118	
2017/18-2	Lab	LCS dup	3/15/2018	Organic	2-Chloronaphthalene	n/a	=	20.5	µg/L	EPA 625	0.45	1			
2017/18-2	Lab	LCS dup, rec	3/15/2018	Organic	2-Chloronaphthalene	n/a	=	82	%	EPA 625	-88	-88	60	118	
2017/18-2	Lab	LCS, RPD	3/15/2018	Organic	2-Chloronaphthalene	n/a	=	11	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/12/2018	Organic	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1			
2017/18-2	Lab	LCS	3/12/2018	Organic	2-Chlorophenol	n/a	=	17.3	µg/L	EPA 625	0.28	1			
2017/18-2	Lab	LCS, rec	3/12/2018	Organic	2-Chlorophenol	n/a	=	69	%	EPA 625	-88	-88	23	134	
2017/18-2	Lab	LCS dup	3/13/2018	Organic	2-Chlorophenol	n/a	=	17.3	µg/L	EPA 625	0.28	1			
2017/18-2	Lab	LCS dup, rec	3/13/2018	Organic	2-Chlorophenol	n/a	=	69	%	EPA 625	-88	-88	23	134	
2017/18-2	Lab	LCS, RPD	3/13/2018	Organic	2-Chlorophenol	n/a	=	0.08	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/14/2018	Organic	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1			
2017/18-2	Lab	LCS	3/14/2018	Organic	2-Chlorophenol	n/a	=	17.7	µg/L	EPA 625	0.28	1			
2017/18-2	Lab	LCS, rec	3/14/2018	Organic	2-Chlorophenol	n/a	=	71	%	EPA 625	-88	-88	23	134	
2017/18-2	Lab	LCS dup	3/15/2018	Organic	2-Chlorophenol	n/a	=	16.3	µg/L	EPA 625	0.28	1			
2017/18-2	Lab	LCS dup, rec	3/15/2018	Organic	2-Chlorophenol	n/a	=	65	%	EPA 625	-88	-88	23	134	
2017/18-2	Lab	LCS, RPD	3/15/2018	Organic	2-Chlorophenol	n/a	=	8	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/26/2018	Organic	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1			
2017/18-2	Lab	LCS	3/26/2018	Organic	2-Chlorophenol	n/a	=	6.11	µg/L	EPA 8270C	0.65	1			
2017/18-2	Lab	LCS, rec	3/26/2018	Organic	2-Chlorophenol	n/a	=	61	%	EPA 8270C	-88	-88	27	90	
2017/18-2	Lab	LCS dup	3/26/2018	Organic	2-Chlorophenol	n/a	=	5.65	µg/L	EPA 8270C	0.65	1			
2017/18-2	Lab	LCS dup, rec	3/26/2018	Organic	2-Chlorophenol	n/a	=	56	%	EPA 8270C	-88	-88	27	90	
2017/18-2	Lab	LCS, RPD	3/26/2018	Organic	2-Chlorophenol	n/a	=	8	%	EPA 8270C	-88	-88	0	30	
2017/18-2	Lab	srgt method blank	3/12/2018	Organic	2-Fluorobiphenyl	n/a	=	19.5	µg/L	EPA 625	-88	-88			
2017/18-2	Lab	srgt method blank, rec	3/12/2018	Organic	2-Fluorobiphenyl	n/a	=	78	%	EPA 625	-88	-88	22	107	
2017/18-2	Lab	srgt LCS	3/12/2018	Organic	2-Fluorobiphenyl	n/a	=	21.5	µg/L	EPA 625	-88	-88			
2017/18-2	Lab	srgt LCS, rec	3/12/2018	Organic	2-Fluorobiphenyl	n/a	=	86	%	EPA 625	-88	-88	22	107	
2017/18-2	Lab	srgt LCS dup	3/13/2018	Organic	2-Fluorobiphenyl	n/a	=	20.9	µg/L	EPA 625	-88	-88			
2017/18-2	Lab	srgt LCS dup, rec	3/13/2018	Organic	2-Fluorobiphenyl	n/a	=	84	%	EPA 625	-88	-88	22	107	
2017/18-2	Lab	srgt method blank	3/14/2018	Organic	2-Fluorobiphenyl	n/a	=	25.4	µg/L	EPA 625	-88	-88			
2017/18-2	Lab	srgt method blank, rec	3/14/2018	Organic	2-Fluorobiphenyl	n/a	=	102	%	EPA 625	-88	-88	22	107	
2017/18-2	Lab	srgt LCS	3/14/2018	Organic	2-Fluorobiphenyl	n/a	=	24.7	µg/L	EPA 625	-88	-88			
2017/18-2	Lab	srgt LCS, rec	3/14/2018	Organic	2-Fluorobiphenyl	n/a	=	99	%	EPA 625	-88	-88	22	107	
2017/18-2	Lab	srgt LCS dup	3/15/2018	Organic	2-Fluorobiphenyl	n/a	=	22	µg/L	EPA 625	-88	-88			
2017/18-2	Lab	srgt LCS dup, rec	3/15/2018	Organic	2-Fluorobiphenyl	n/a	=	88	%	EPA 625	-88	-88	22	107	
2017/18-2	Lab	srgt method blank	3/19/2018	Organic	2-Fluorobiphenyl	n/a	=	3.28	µg/L	EPA 8270C	-88	-88			
2017/18-2	Lab	srgt method blank, rec	3/19/2018	Organic	2-Fluorobiphenyl	n/a	=	66	%	EPA 8270C	-88	-88	51	139	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-2	Lab	srgt LCS	3/19/2018	Organic	2-Fluorobiphenyl	n/a	=	3.44	µg/L	EPA 8270C	-88	-88			
2017/18-2	Lab	srgt LCS, rec	3/19/2018	Organic	2-Fluorobiphenyl	n/a	=	69	%	EPA 8270C	-88	-88	51	139	
2017/18-2	Lab	srgt LCS dup	3/19/2018	Organic	2-Fluorobiphenyl	n/a	=	3.2	µg/L	EPA 8270C	-88	-88			
2017/18-2	Lab	srgt LCS dup, rec	3/19/2018	Organic	2-Fluorobiphenyl	n/a	=	64	%	EPA 8270C	-88	-88	51	139	
2017/18-2	ME-CC	srgt environ	3/15/2018	Organic	2-Fluorobiphenyl	n/a	=	19.8	µg/L	EPA 625	-88	-88			
2017/18-2	ME-CC	srgt environ, rec	3/15/2018	Organic	2-Fluorobiphenyl	n/a	=	79	%	EPA 625	-88	-88	22	107	
2017/18-2	ME-CC	srgt environ	3/20/2018	Organic	2-Fluorobiphenyl	n/a	=	2.66	µg/L	EPA 8270C	-88	-88			
2017/18-2	ME-CC	srgt environ, rec	3/20/2018	Organic	2-Fluorobiphenyl	n/a	=	53	%	EPA 8270C	-88	-88	51	139	
2017/18-2	ME-SCR	srgt environ	3/15/2018	Organic	2-Fluorobiphenyl	n/a	=	12.7	µg/L	EPA 625	-88	-88			
2017/18-2	ME-SCR	srgt environ, rec	3/15/2018	Organic	2-Fluorobiphenyl	n/a	=	51	%	EPA 625	-88	-88	22	107	
2017/18-2	ME-SCR	srgt environ	3/20/2018	Organic	2-Fluorobiphenyl	n/a	=	2.44	µg/L	EPA 8270C	-88	-88			GN
2017/18-2	ME-SCR	srgt environ, rec	3/20/2018	Organic	2-Fluorobiphenyl	n/a	=	49	%	EPA 8270C	-88	-88	51	139	GN
2017/18-2	ME-VR2	srgt environ	3/15/2018	Organic	2-Fluorobiphenyl	n/a	=	16.6	µg/L	EPA 625	-88	-88			
2017/18-2	ME-VR2	srgt environ, rec	3/15/2018	Organic	2-Fluorobiphenyl	n/a	=	66	%	EPA 625	-88	-88	22	107	
2017/18-2	ME-VR2	srgt environ	3/20/2018	Organic	2-Fluorobiphenyl	n/a	=	2.6	µg/L	EPA 8270C	-88	-88			
2017/18-2	ME-VR2	srgt environ, rec	3/20/2018	Organic	2-Fluorobiphenyl	n/a	=	52	%	EPA 8270C	-88	-88	51	139	
2017/18-2	MO-CAM	srgt environ	3/15/2018	Organic	2-Fluorobiphenyl	n/a	=	19.8	µg/L	EPA 625	-88	-88			
2017/18-2	MO-CAM	srgt environ, rec	3/15/2018	Organic	2-Fluorobiphenyl	n/a	=	79	%	EPA 625	-88	-88	22	107	
2017/18-2	MO-CAM	srgt environ	3/20/2018	Organic	2-Fluorobiphenyl	n/a	=	2.85	µg/L	EPA 8270C	-88	-88			
2017/18-2	MO-CAM	srgt environ, rec	3/20/2018	Organic	2-Fluorobiphenyl	n/a	=	57	%	EPA 8270C	-88	-88	51	139	
2017/18-2	MO-FIL	srgt environ	3/13/2018	Organic	2-Fluorobiphenyl	n/a	=	14.4	µg/L	EPA 625	-88	-88			
2017/18-2	MO-FIL	srgt environ, rec	3/13/2018	Organic	2-Fluorobiphenyl	n/a	=	58	%	EPA 625	-88	-88	22	107	
2017/18-2	MO-FIL	srgt environ	3/20/2018	Organic	2-Fluorobiphenyl	n/a	=	3.17	µg/L	EPA 8270C	-88	-88			
2017/18-2	MO-FIL	srgt environ, rec	3/20/2018	Organic	2-Fluorobiphenyl	n/a	=	63	%	EPA 8270C	-88	-88	51	139	
2017/18-2	MO-MEI	srgt environ	3/13/2018	Organic	2-Fluorobiphenyl	n/a	=	15.9	µg/L	EPA 625	-88	-88			
2017/18-2	MO-MEI	srgt environ, rec	3/13/2018	Organic	2-Fluorobiphenyl	n/a	=	64	%	EPA 625	-88	-88	22	107	
2017/18-2	MO-MEI	srgt environ	3/20/2018	Organic	2-Fluorobiphenyl	n/a	=	2.94	µg/L	EPA 8270C	-88	-88			
2017/18-2	MO-MEI	srgt environ, rec	3/20/2018	Organic	2-Fluorobiphenyl	n/a	=	59	%	EPA 8270C	-88	-88	51	139	
2017/18-2	MO-MPK	srgt environ	3/15/2018	Organic	2-Fluorobiphenyl	n/a	=	22.5	µg/L	EPA 625	-88	-88			
2017/18-2	MO-MPK	srgt environ, rec	3/15/2018	Organic	2-Fluorobiphenyl	n/a	=	90	%	EPA 625	-88	-88	22	107	
2017/18-2	MO-MPK	srgt environ	3/20/2018	Organic	2-Fluorobiphenyl	n/a	=	2.92	µg/L	EPA 8270C	-88	-88			
2017/18-2	MO-MPK	srgt environ, rec	3/20/2018	Organic	2-Fluorobiphenyl	n/a	=	58	%	EPA 8270C	-88	-88	51	139	
2017/18-2	MO-OJA	srgt environ	3/13/2018	Organic	2-Fluorobiphenyl	n/a	=	14.9	µg/L	EPA 625	-88	-88			
2017/18-2	MO-OJA	srgt environ, rec	3/13/2018	Organic	2-Fluorobiphenyl	n/a	=	60	%	EPA 625	-88	-88	22	107	
2017/18-2	MO-OJA	srgt environ	3/20/2018	Organic	2-Fluorobiphenyl	n/a	=	2.65	µg/L	EPA 8270C	-88	-88			
2017/18-2	MO-OJA	srgt environ, rec	3/20/2018	Organic	2-Fluorobiphenyl	n/a	=	53	%	EPA 8270C	-88	-88	51	139	
2017/18-2	MO-OXN	srgt environ	3/15/2018	Organic	2-Fluorobiphenyl	n/a	=	23.1	µg/L	EPA 625	-88	-88			
2017/18-2	MO-OXN	srgt environ, rec	3/15/2018	Organic	2-Fluorobiphenyl	n/a	=	92	%	EPA 625	-88	-88	22	107	
2017/18-2	MO-OXN	srgt environ	3/20/2018	Organic	2-Fluorobiphenyl	n/a	=	3.17	µg/L	EPA 8270C	-88	-88			
2017/18-2	MO-OXN	srgt environ, rec	3/20/2018	Organic	2-Fluorobiphenyl	n/a	=	63	%	EPA 8270C	-88	-88	51	139	
2017/18-2	MO-SIM	srgt environ	3/15/2018	Organic	2-Fluorobiphenyl	n/a	=	20.9	µg/L	EPA 625	-88	-88			
2017/18-2	MO-SIM	srgt environ, rec	3/15/2018	Organic	2-Fluorobiphenyl	n/a	=	83	%	EPA 625	-88	-88	22	107	
2017/18-2	MO-SIM	srgt environ	3/20/2018	Organic	2-Fluorobiphenyl	n/a	=	3.13	µg/L	EPA 8270C	-88	-88			
2017/18-2	MO-SIM	srgt environ, rec	3/20/2018	Organic	2-Fluorobiphenyl	n/a	=	63	%	EPA 8270C	-88	-88	51	139	
2017/18-2	MO-SPA	srgt environ	3/13/2018	Organic	2-Fluorobiphenyl	n/a	=	16.5	µg/L	EPA 625	-88	-88			
2017/18-2	MO-SPA	srgt environ, rec	3/13/2018	Organic	2-Fluorobiphenyl	n/a	=	66	%	EPA 625	-88	-88	22	107	
2017/18-2	MO-SPA	srgt environ	3/20/2018	Organic	2-Fluorobiphenyl	n/a	=	3.16	µg/L	EPA 8270C	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-2	MO-SPA	srgt environ, rec	3/20/2018	Organic	2-Fluorobiphenyl	n/a	=	63	%	EPA 8270C	-88	-88	51	139	
2017/18-2	MO-THO	srgt environ	3/15/2018	Organic	2-Fluorobiphenyl	n/a	=	20.5	µg/L	EPA 625	-88	-88			
2017/18-2	MO-THO	srgt environ, rec	3/15/2018	Organic	2-Fluorobiphenyl	n/a	=	82	%	EPA 625	-88	-88	22	107	
2017/18-2	MO-THO	srgt environ	3/20/2018	Organic	2-Fluorobiphenyl	n/a	=	2.92	µg/L	EPA 8270C	-88	-88			
2017/18-2	MO-THO	srgt environ, rec	3/20/2018	Organic	2-Fluorobiphenyl	n/a	=	58	%	EPA 8270C	-88	-88	51	139	
2017/18-2	MO-VEN	srgt environ	3/15/2018	Organic	2-Fluorobiphenyl	n/a	=	21.8	µg/L	EPA 625	-88	-88			
2017/18-2	MO-VEN	srgt environ, rec	3/15/2018	Organic	2-Fluorobiphenyl	n/a	=	87	%	EPA 625	-88	-88	22	107	
2017/18-2	MO-VEN	srgt environ	3/20/2018	Organic	2-Fluorobiphenyl	n/a	=	3.02	µg/L	EPA 8270C	-88	-88			
2017/18-2	MO-VEN	srgt environ, rec	3/20/2018	Organic	2-Fluorobiphenyl	n/a	=	60	%	EPA 8270C	-88	-88	51	139	
2017/18-2	Lab	srgt method blank	3/12/2018	Organic	2-Fluorophenol	n/a	=	27.5	µg/L	EPA 625	-88	-88			
2017/18-2	Lab	srgt method blank, rec	3/12/2018	Organic	2-Fluorophenol	n/a	=	55	%	EPA 625	-88	-88	3	74	
2017/18-2	Lab	srgt LCS	3/12/2018	Organic	2-Fluorophenol	n/a	=	28.2	µg/L	EPA 625	-88	-88			
2017/18-2	Lab	srgt LCS, rec	3/12/2018	Organic	2-Fluorophenol	n/a	=	56	%	EPA 625	-88	-88	3	74	
2017/18-2	Lab	srgt LCS dup	3/13/2018	Organic	2-Fluorophenol	n/a	=	26.6	µg/L	EPA 625	-88	-88			
2017/18-2	Lab	srgt LCS dup, rec	3/13/2018	Organic	2-Fluorophenol	n/a	=	53	%	EPA 625	-88	-88	3	74	
2017/18-2	Lab	srgt method blank	3/14/2018	Organic	2-Fluorophenol	n/a	=	30.8	µg/L	EPA 625	-88	-88			
2017/18-2	Lab	srgt method blank, rec	3/14/2018	Organic	2-Fluorophenol	n/a	=	62	%	EPA 625	-88	-88	3	74	
2017/18-2	Lab	srgt LCS	3/14/2018	Organic	2-Fluorophenol	n/a	=	27.9	µg/L	EPA 625	-88	-88			
2017/18-2	Lab	srgt LCS, rec	3/14/2018	Organic	2-Fluorophenol	n/a	=	56	%	EPA 625	-88	-88	3	74	
2017/18-2	Lab	srgt LCS dup	3/15/2018	Organic	2-Fluorophenol	n/a	=	24.9	µg/L	EPA 625	-88	-88			
2017/18-2	Lab	srgt LCS dup, rec	3/15/2018	Organic	2-Fluorophenol	n/a	=	50	%	EPA 625	-88	-88	3	74	
2017/18-2	Lab	srgt method blank	3/26/2018	Organic	2-Fluorophenol	n/a	=	3.18	µg/L	EPA 8270C	-88	-88			
2017/18-2	Lab	srgt method blank, rec	3/26/2018	Organic	2-Fluorophenol	n/a	=	32	%	EPA 8270C	-88	-88	11	62	
2017/18-2	Lab	srgt LCS	3/26/2018	Organic	2-Fluorophenol	n/a	=	3.12	µg/L	EPA 8270C	-88	-88			
2017/18-2	Lab	srgt LCS, rec	3/26/2018	Organic	2-Fluorophenol	n/a	=	31	%	EPA 8270C	-88	-88	11	62	
2017/18-2	Lab	srgt LCS dup	3/26/2018	Organic	2-Fluorophenol	n/a	=	2.76	µg/L	EPA 8270C	-88	-88			
2017/18-2	Lab	srgt LCS dup, rec	3/26/2018	Organic	2-Fluorophenol	n/a	=	28	%	EPA 8270C	-88	-88	11	62	
2017/18-2	ME-CC	srgt environ	3/15/2018	Organic	2-Fluorophenol	n/a	=	23.3	µg/L	EPA 625	-88	-88			
2017/18-2	ME-CC	srgt environ, rec	3/15/2018	Organic	2-Fluorophenol	n/a	=	47	%	EPA 625	-88	-88	3	74	
2017/18-2	ME-CC	srgt environ	3/26/2018	Organic	2-Fluorophenol	n/a	=	2.54	µg/L	EPA 8270C	-88	-88			
2017/18-2	ME-CC	srgt environ, rec	3/26/2018	Organic	2-Fluorophenol	n/a	=	25	%	EPA 8270C	-88	-88	11	62	
2017/18-2	ME-SCR	srgt environ	3/15/2018	Organic	2-Fluorophenol	n/a	=	13.1	µg/L	EPA 625	-88	-88			
2017/18-2	ME-SCR	srgt environ, rec	3/15/2018	Organic	2-Fluorophenol	n/a	=	26	%	EPA 625	-88	-88	3	74	
2017/18-2	ME-SCR	srgt environ	3/26/2018	Organic	2-Fluorophenol	n/a	=	1.87	µg/L	EPA 8270C	-88	-88			
2017/18-2	ME-SCR	srgt environ, rec	3/26/2018	Organic	2-Fluorophenol	n/a	=	19	%	EPA 8270C	-88	-88	11	62	
2017/18-2	ME-VR2	srgt environ	3/15/2018	Organic	2-Fluorophenol	n/a	=	21.7	µg/L	EPA 625	-88	-88			
2017/18-2	ME-VR2	srgt environ, rec	3/15/2018	Organic	2-Fluorophenol	n/a	=	43	%	EPA 625	-88	-88	3	74	
2017/18-2	ME-VR2	srgt environ	3/26/2018	Organic	2-Fluorophenol	n/a	=	2.53	µg/L	EPA 8270C	-88	-88			
2017/18-2	ME-VR2	srgt environ, rec	3/26/2018	Organic	2-Fluorophenol	n/a	=	25	%	EPA 8270C	-88	-88	11	62	
2017/18-2	MO-CAM	srgt environ	3/15/2018	Organic	2-Fluorophenol	n/a	=	22.3	µg/L	EPA 625	-88	-88			
2017/18-2	MO-CAM	srgt environ, rec	3/15/2018	Organic	2-Fluorophenol	n/a	=	45	%	EPA 625	-88	-88	3	74	
2017/18-2	MO-CAM	srgt environ	3/26/2018	Organic	2-Fluorophenol	n/a	=	0.929	µg/L	EPA 8270C	-88	-88			GN
2017/18-2	MO-CAM	srgt environ, rec	3/26/2018	Organic	2-Fluorophenol	n/a	=	9	%	EPA 8270C	-88	-88	11	62	GN
2017/18-2	MO-FIL	srgt environ	3/13/2018	Organic	2-Fluorophenol	n/a	=	22.1	µg/L	EPA 625	-88	-88			
2017/18-2	MO-FIL	srgt environ, rec	3/13/2018	Organic	2-Fluorophenol	n/a	=	44	%	EPA 625	-88	-88	3	74	
2017/18-2	MO-FIL	srgt environ	3/26/2018	Organic	2-Fluorophenol	n/a	=	2.01	µg/L	EPA 8270C	-88	-88			
2017/18-2	MO-FIL	srgt environ, rec	3/26/2018	Organic	2-Fluorophenol	n/a	=	20	%	EPA 8270C	-88	-88	11	62	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-2	MO-MEI	srgt environ	3/13/2018	Organic	2-Fluorophenol	n/a	=	18.5	µg/L	EPA 625	-88	-88			
2017/18-2	MO-MEI	srgt environ, rec	3/13/2018	Organic	2-Fluorophenol	n/a	=	37	%	EPA 625	-88	-88	3	74	
2017/18-2	MO-MEI	srgt environ	3/26/2018	Organic	2-Fluorophenol	n/a	=	1.89	µg/L	EPA 8270C	-88	-88			
2017/18-2	MO-MEI	srgt environ, rec	3/26/2018	Organic	2-Fluorophenol	n/a	=	19	%	EPA 8270C	-88	-88	11	62	
2017/18-2	MO-MPK	srgt environ	3/15/2018	Organic	2-Fluorophenol	n/a	=	25.2	µg/L	EPA 625	-88	-88			
2017/18-2	MO-MPK	srgt environ, rec	3/15/2018	Organic	2-Fluorophenol	n/a	=	50	%	EPA 625	-88	-88	3	74	
2017/18-2	MO-MPK	srgt environ	3/26/2018	Organic	2-Fluorophenol	n/a	=	2.77	µg/L	EPA 8270C	-88	-88			
2017/18-2	MO-MPK	srgt environ, rec	3/26/2018	Organic	2-Fluorophenol	n/a	=	28	%	EPA 8270C	-88	-88	11	62	
2017/18-2	MO-OJA	srgt environ	3/13/2018	Organic	2-Fluorophenol	n/a	=	21.1	µg/L	EPA 625	-88	-88			
2017/18-2	MO-OJA	srgt environ, rec	3/13/2018	Organic	2-Fluorophenol	n/a	=	42	%	EPA 625	-88	-88	3	74	
2017/18-2	MO-OJA	srgt environ	3/26/2018	Organic	2-Fluorophenol	n/a	=	1.64	µg/L	EPA 8270C	-88	-88			
2017/18-2	MO-OJA	srgt environ, rec	3/26/2018	Organic	2-Fluorophenol	n/a	=	16	%	EPA 8270C	-88	-88	11	62	
2017/18-2	MO-OXN	srgt environ	3/15/2018	Organic	2-Fluorophenol	n/a	=	25.4	µg/L	EPA 625	-88	-88			
2017/18-2	MO-OXN	srgt environ, rec	3/15/2018	Organic	2-Fluorophenol	n/a	=	51	%	EPA 625	-88	-88	3	74	
2017/18-2	MO-OXN	srgt environ	3/26/2018	Organic	2-Fluorophenol	n/a	=	1.47	µg/L	EPA 8270C	-88	-88			
2017/18-2	MO-OXN	srgt environ, rec	3/26/2018	Organic	2-Fluorophenol	n/a	=	15	%	EPA 8270C	-88	-88	11	62	
2017/18-2	MO-SIM	srgt environ	3/15/2018	Organic	2-Fluorophenol	n/a	=	20.4	µg/L	EPA 625	-88	-88			
2017/18-2	MO-SIM	srgt environ, rec	3/15/2018	Organic	2-Fluorophenol	n/a	=	41	%	EPA 625	-88	-88	3	74	
2017/18-2	MO-SIM	srgt environ	3/26/2018	Organic	2-Fluorophenol	n/a	=	1.79	µg/L	EPA 8270C	-88	-88			
2017/18-2	MO-SIM	srgt environ, rec	3/26/2018	Organic	2-Fluorophenol	n/a	=	18	%	EPA 8270C	-88	-88	11	62	
2017/18-2	MO-SPA	srgt environ	3/13/2018	Organic	2-Fluorophenol	n/a	=	20.4	µg/L	EPA 625	-88	-88			
2017/18-2	MO-SPA	srgt environ, rec	3/13/2018	Organic	2-Fluorophenol	n/a	=	41	%	EPA 625	-88	-88	3	74	
2017/18-2	MO-SPA	srgt environ	3/26/2018	Organic	2-Fluorophenol	n/a	=	1.16	µg/L	EPA 8270C	-88	-88			
2017/18-2	MO-SPA	srgt environ, rec	3/26/2018	Organic	2-Fluorophenol	n/a	=	12	%	EPA 8270C	-88	-88	11	62	
2017/18-2	MO-THO	srgt environ	3/15/2018	Organic	2-Fluorophenol	n/a	=	22.7	µg/L	EPA 625	-88	-88			
2017/18-2	MO-THO	srgt environ, rec	3/15/2018	Organic	2-Fluorophenol	n/a	=	45	%	EPA 625	-88	-88	3	74	
2017/18-2	MO-THO	srgt environ	3/26/2018	Organic	2-Fluorophenol	n/a	=	2.59	µg/L	EPA 8270C	-88	-88			
2017/18-2	MO-THO	srgt environ, rec	3/26/2018	Organic	2-Fluorophenol	n/a	=	26	%	EPA 8270C	-88	-88	11	62	
2017/18-2	MO-VEN	srgt environ	3/15/2018	Organic	2-Fluorophenol	n/a	=	26	µg/L	EPA 625	-88	-88			
2017/18-2	MO-VEN	srgt environ, rec	3/15/2018	Organic	2-Fluorophenol	n/a	=	52	%	EPA 625	-88	-88	3	74	
2017/18-2	MO-VEN	srgt environ	3/26/2018	Organic	2-Fluorophenol	n/a	=	1.28	µg/L	EPA 8270C	-88	-88			
2017/18-2	MO-VEN	srgt environ, rec	3/26/2018	Organic	2-Fluorophenol	n/a	=	13	%	EPA 8270C	-88	-88	11	62	
2017/18-2	Lab	method blank	3/19/2018	Organic	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-2	Lab	method blank	3/26/2018	Organic	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1			
2017/18-2	Lab	method blank	3/12/2018	Organic	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2017/18-2	Lab	LCS	3/12/2018	Organic	2-Nitrophenol	n/a	=	20.7	µg/L	EPA 625	0.26	1			
2017/18-2	Lab	LCS, rec	3/12/2018	Organic	2-Nitrophenol	n/a	=	83	%	EPA 625	-88	-88	29	182	
2017/18-2	Lab	LCS dup	3/13/2018	Organic	2-Nitrophenol	n/a	=	17.5	µg/L	EPA 625	0.26	1			
2017/18-2	Lab	LCS dup, rec	3/13/2018	Organic	2-Nitrophenol	n/a	=	70	%	EPA 625	-88	-88	29	182	
2017/18-2	Lab	LCS, RPD	3/13/2018	Organic	2-Nitrophenol	n/a	=	17	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/14/2018	Organic	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2017/18-2	Lab	LCS	3/14/2018	Organic	2-Nitrophenol	n/a	=	20	µg/L	EPA 625	0.26	1			
2017/18-2	Lab	LCS, rec	3/14/2018	Organic	2-Nitrophenol	n/a	=	80	%	EPA 625	-88	-88	29	182	
2017/18-2	Lab	LCS dup	3/15/2018	Organic	2-Nitrophenol	n/a	=	18	µg/L	EPA 625	0.26	1			
2017/18-2	Lab	LCS dup, rec	3/15/2018	Organic	2-Nitrophenol	n/a	=	72	%	EPA 625	-88	-88	29	182	
2017/18-2	Lab	LCS, RPD	3/15/2018	Organic	2-Nitrophenol	n/a	=	10	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/26/2018	Organic	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-2	Lab	LCS	3/26/2018	Organic	2-Nitrophenol	n/a	=	6.81	µg/L	EPA 8270C	0.71	1			
2017/18-2	Lab	LCS, rec	3/26/2018	Organic	2-Nitrophenol	n/a	=	68	%	EPA 8270C	-88	-88	33	103	
2017/18-2	Lab	LCS dup	3/26/2018	Organic	2-Nitrophenol	n/a	=	6.53	µg/L	EPA 8270C	0.71	1			
2017/18-2	Lab	LCS dup, rec	3/26/2018	Organic	2-Nitrophenol	n/a	=	65	%	EPA 8270C	-88	-88	33	103	
2017/18-2	Lab	LCS, RPD	3/26/2018	Organic	2-Nitrophenol	n/a	=	4	%	EPA 8270C	-88	-88	0	30	
2017/18-2	Lab	method blank	3/12/2018	Organic	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5			
2017/18-2	Lab	LCS	3/12/2018	Organic	3,3'-Dichlorobenzidine	n/a	=	16.7	µg/L	EPA 625	1.2	5			
2017/18-2	Lab	LCS, rec	3/12/2018	Organic	3,3'-Dichlorobenzidine	n/a	=	67	%	EPA 625	-88	-88	0.1	262	
2017/18-2	Lab	LCS dup	3/13/2018	Organic	3,3'-Dichlorobenzidine	n/a	=	16.5	µg/L	EPA 625	1.2	5			
2017/18-2	Lab	LCS dup, rec	3/13/2018	Organic	3,3'-Dichlorobenzidine	n/a	=	66	%	EPA 625	-88	-88	0.1	262	
2017/18-2	Lab	LCS, RPD	3/13/2018	Organic	3,3'-Dichlorobenzidine	n/a	=	1	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/14/2018	Organic	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5			
2017/18-2	Lab	LCS	3/14/2018	Organic	3,3'-Dichlorobenzidine	n/a	=	27.3	µg/L	EPA 625	1.2	5			
2017/18-2	Lab	LCS, rec	3/14/2018	Organic	3,3'-Dichlorobenzidine	n/a	=	109	%	EPA 625	-88	-88	0.1	262	
2017/18-2	Lab	LCS dup	3/15/2018	Organic	3,3'-Dichlorobenzidine	n/a	=	26.5	µg/L	EPA 625	1.2	5			
2017/18-2	Lab	LCS dup, rec	3/15/2018	Organic	3,3'-Dichlorobenzidine	n/a	=	106	%	EPA 625	-88	-88	0.1	262	
2017/18-2	Lab	LCS, RPD	3/15/2018	Organic	3,3'-Dichlorobenzidine	n/a	=	3	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/26/2018	Organic	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1			
2017/18-2	Lab	method blank	3/12/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5			
2017/18-2	Lab	LCS	3/12/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	=	12.3	µg/L	EPA 625	1.7	5			
2017/18-2	Lab	LCS, rec	3/12/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	=	49	%	EPA 625	-88	-88	0.1	181	
2017/18-2	Lab	LCS dup	3/13/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	=	14	µg/L	EPA 625	1.7	5			
2017/18-2	Lab	LCS dup, rec	3/13/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	=	56	%	EPA 625	-88	-88	0.1	181	
2017/18-2	Lab	LCS, RPD	3/13/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	=	13	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/14/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5			
2017/18-2	Lab	LCS	3/14/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	=	23.1	µg/L	EPA 625	1.7	5			
2017/18-2	Lab	LCS, rec	3/14/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	=	92	%	EPA 625	-88	-88	0.1	181	
2017/18-2	Lab	LCS dup	3/15/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	=	23.1	µg/L	EPA 625	1.7	5			
2017/18-2	Lab	LCS dup, rec	3/15/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	=	92	%	EPA 625	-88	-88	0.1	181	
2017/18-2	Lab	LCS, RPD	3/15/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	=	0.2	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/26/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1			
2017/18-2	Lab	LCS	3/26/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	=	4.58	µg/L	EPA 8270C	0.14	1			
2017/18-2	Lab	LCS, rec	3/26/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	=	46	%	EPA 8270C	-88	-88	33	118	
2017/18-2	Lab	LCS dup	3/26/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	=	4.4	µg/L	EPA 8270C	0.14	1			
2017/18-2	Lab	LCS dup, rec	3/26/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	=	44	%	EPA 8270C	-88	-88	33	118	
2017/18-2	Lab	LCS, RPD	3/26/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	=	4	%	EPA 8270C	-88	-88	0	30	
2017/18-2	Lab	srgt LCS	3/5/2018	Organic	4-Bromofluorobenzene	n/a	=	51.5	µg/L	EPA 624	-88	-88			
2017/18-2	Lab	srgt LCS, rec	3/5/2018	Organic	4-Bromofluorobenzene	n/a	=	103	%	EPA 624	-88	-88	88	108	
2017/18-2	Lab	srgt LCS dup	3/5/2018	Organic	4-Bromofluorobenzene	n/a	=	52.3	µg/L	EPA 624	-88	-88			
2017/18-2	Lab	srgt LCS dup, rec	3/5/2018	Organic	4-Bromofluorobenzene	n/a	=	105	%	EPA 624	-88	-88	88	108	
2017/18-2	Lab	srgt method blank	3/5/2018	Organic	4-Bromofluorobenzene	n/a	=	50.9	µg/L	EPA 624	-88	-88			
2017/18-2	Lab	srgt method blank, rec	3/5/2018	Organic	4-Bromofluorobenzene	n/a	=	102	%	EPA 624	-88	-88	88	108	
2017/18-2	Lab	srgt LCS	3/5/2018	Organic	4-Bromofluorobenzene	n/a	=	49.2	µg/L	EPA 8015D	-88	-88			
2017/18-2	Lab	srgt LCS, rec	3/5/2018	Organic	4-Bromofluorobenzene	n/a	=	98	%	EPA 8015D	-88	-88	72	124	
2017/18-2	Lab	srgt LCS dup	3/5/2018	Organic	4-Bromofluorobenzene	n/a	=	47.6	µg/L	EPA 8015D	-88	-88			
2017/18-2	Lab	srgt LCS dup, rec	3/5/2018	Organic	4-Bromofluorobenzene	n/a	=	95	%	EPA 8015D	-88	-88	72	124	
2017/18-2	Lab	srgt method blank	3/5/2018	Organic	4-Bromofluorobenzene	n/a	=	47.3	µg/L	EPA 8015D	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-2	Lab	srgt method blank, rec	3/5/2018	Organic	4-Bromofluorobenzene	n/a	=	95	%	EPA 8015D	-88	-88	72	124	
2017/18-2	Lab	srgt LCS	3/7/2018	Organic	4-Bromofluorobenzene	n/a	=	52.6	µg/L	EPA 624	-88	-88			
2017/18-2	Lab	srgt LCS, rec	3/7/2018	Organic	4-Bromofluorobenzene	n/a	=	105	%	EPA 624	-88	-88	88	108	
2017/18-2	Lab	srgt LCS dup	3/7/2018	Organic	4-Bromofluorobenzene	n/a	=	51.5	µg/L	EPA 624	-88	-88			
2017/18-2	Lab	srgt LCS dup, rec	3/7/2018	Organic	4-Bromofluorobenzene	n/a	=	103	%	EPA 624	-88	-88	88	108	
2017/18-2	Lab	srgt method blank	3/7/2018	Organic	4-Bromofluorobenzene	n/a	=	51.4	µg/L	EPA 624	-88	-88			
2017/18-2	Lab	srgt method blank, rec	3/7/2018	Organic	4-Bromofluorobenzene	n/a	=	103	%	EPA 624	-88	-88	88	108	
2017/18-2	ME-CC	srgt environ	3/6/2018	Organic	4-Bromofluorobenzene	n/a	=	46.8	µg/L	EPA 8015D	-88	-88			
2017/18-2	ME-CC	srgt environ, rec	3/6/2018	Organic	4-Bromofluorobenzene	n/a	=	94	%	EPA 8015D	-88	-88	72	124	
2017/18-2	ME-CC	srgt environ	3/7/2018	Organic	4-Bromofluorobenzene	n/a	=	50.8	µg/L	EPA 624	-88	-88			
2017/18-2	ME-CC	srgt environ, rec	3/7/2018	Organic	4-Bromofluorobenzene	n/a	=	102	%	EPA 624	-88	-88	88	108	
2017/18-2	ME-CC	srgt matrix spike	3/7/2018	Organic	4-Bromofluorobenzene	n/a	=	52.1	µg/L	EPA 624	-88	-88			
2017/18-2	ME-CC	srgt matrix spike, rec	3/7/2018	Organic	4-Bromofluorobenzene	n/a	=	104	%	EPA 624	-88	-88	88	108	
2017/18-2	ME-CC	srgt matrix spike dup	3/7/2018	Organic	4-Bromofluorobenzene	n/a	=	52.3	µg/L	EPA 624	-88	-88			
2017/18-2	ME-CC	srgt matrix spike dup, rec	3/7/2018	Organic	4-Bromofluorobenzene	n/a	=	105	%	EPA 624	-88	-88	88	108	
2017/18-2	ME-SCR	srgt environ	3/5/2018	Organic	4-Bromofluorobenzene	n/a	=	51.1	µg/L	EPA 624	-88	-88			
2017/18-2	ME-SCR	srgt environ, rec	3/5/2018	Organic	4-Bromofluorobenzene	n/a	=	102	%	EPA 624	-88	-88	88	108	
2017/18-2	ME-SCR	srgt environ	3/5/2018	Organic	4-Bromofluorobenzene	n/a	=	44.9	µg/L	EPA 8015D	-88	-88			
2017/18-2	ME-SCR	srgt environ, rec	3/5/2018	Organic	4-Bromofluorobenzene	n/a	=	90	%	EPA 8015D	-88	-88	72	124	
2017/18-2	ME-SCR	srgt matrix spike	3/6/2018	Organic	4-Bromofluorobenzene	n/a	=	52.9	µg/L	EPA 624	-88	-88			
2017/18-2	ME-SCR	srgt matrix spike, rec	3/6/2018	Organic	4-Bromofluorobenzene	n/a	=	106	%	EPA 624	-88	-88	88	108	
2017/18-2	ME-SCR	srgt matrix spike dup	3/6/2018	Organic	4-Bromofluorobenzene	n/a	=	52.7	µg/L	EPA 624	-88	-88			
2017/18-2	ME-SCR	srgt matrix spike dup, rec	3/6/2018	Organic	4-Bromofluorobenzene	n/a	=	105	%	EPA 624	-88	-88	88	108	
2017/18-2	ME-VR2	srgt environ	3/5/2018	Organic	4-Bromofluorobenzene	n/a	=	51.2	µg/L	EPA 624	-88	-88			
2017/18-2	ME-VR2	srgt environ, rec	3/5/2018	Organic	4-Bromofluorobenzene	n/a	=	102	%	EPA 624	-88	-88	88	108	
2017/18-2	ME-VR2	srgt environ	3/5/2018	Organic	4-Bromofluorobenzene	n/a	=	45.5	µg/L	EPA 8015D	-88	-88			
2017/18-2	ME-VR2	srgt environ, rec	3/5/2018	Organic	4-Bromofluorobenzene	n/a	=	91	%	EPA 8015D	-88	-88	72	124	
2017/18-2	MO-CAM	srgt environ	3/5/2018	Organic	4-Bromofluorobenzene	n/a	=	51.4	µg/L	EPA 624	-88	-88			
2017/18-2	MO-CAM	srgt environ, rec	3/5/2018	Organic	4-Bromofluorobenzene	n/a	=	103	%	EPA 624	-88	-88	88	108	
2017/18-2	MO-CAM	srgt field duplicate	3/5/2018	Organic	4-Bromofluorobenzene	n/a	=	51	µg/L	EPA 624	-88	-88			
2017/18-2	MO-CAM	srgt field duplicate, rec	3/5/2018	Organic	4-Bromofluorobenzene	n/a	=	102	%	EPA 624	-88	-88	88	108	
2017/18-2	MO-CAM	srgt environ	3/5/2018	Organic	4-Bromofluorobenzene	n/a	=	46	µg/L	EPA 8015D	-88	-88			
2017/18-2	MO-CAM	srgt environ, rec	3/5/2018	Organic	4-Bromofluorobenzene	n/a	=	92	%	EPA 8015D	-88	-88	72	124	
2017/18-2	MO-CAM	srgt environ	3/5/2018	Organic	4-Bromofluorobenzene	n/a	=	47	µg/L	EPA 8015D	-88	-88			
2017/18-2	MO-CAM	srgt environ, rec	3/5/2018	Organic	4-Bromofluorobenzene	n/a	=	94	%	EPA 8015D	-88	-88	72	124	
2017/18-2	MO-FIL	srgt environ	3/6/2018	Organic	4-Bromofluorobenzene	n/a	=	45.8	µg/L	EPA 8015D	-88	-88			
2017/18-2	MO-FIL	srgt environ, rec	3/6/2018	Organic	4-Bromofluorobenzene	n/a	=	92	%	EPA 8015D	-88	-88	72	124	
2017/18-2	MO-FIL	srgt environ	3/6/2018	Organic	4-Bromofluorobenzene	n/a	=	50.8	µg/L	EPA 624	-88	-88			
2017/18-2	MO-FIL	srgt environ, rec	3/6/2018	Organic	4-Bromofluorobenzene	n/a	=	102	%	EPA 624	-88	-88	88	108	
2017/18-2	MO-HUE	srgt environ	3/6/2018	Organic	4-Bromofluorobenzene	n/a	=	46	µg/L	EPA 8015D	-88	-88			
2017/18-2	MO-HUE	srgt environ, rec	3/6/2018	Organic	4-Bromofluorobenzene	n/a	=	92	%	EPA 8015D	-88	-88	72	124	
2017/18-2	MO-HUE	srgt environ	3/6/2018	Organic	4-Bromofluorobenzene	n/a	=	51.9	µg/L	EPA 624	-88	-88			
2017/18-2	MO-HUE	srgt environ, rec	3/6/2018	Organic	4-Bromofluorobenzene	n/a	=	104	%	EPA 624	-88	-88	88	108	
2017/18-2	MO-MEI	srgt environ	3/5/2018	Organic	4-Bromofluorobenzene	n/a	=	51.6	µg/L	EPA 624	-88	-88			
2017/18-2	MO-MEI	srgt environ, rec	3/5/2018	Organic	4-Bromofluorobenzene	n/a	=	103	%	EPA 624	-88	-88	88	108	
2017/18-2	MO-MEI	srgt environ	3/5/2018	Organic	4-Bromofluorobenzene	n/a	=	46	µg/L	EPA 8015D	-88	-88			
2017/18-2	MO-MEI	srgt environ, rec	3/5/2018	Organic	4-Bromofluorobenzene	n/a	=	92	%	EPA 8015D	-88	-88	72	124	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-2	MO-MPK	srgt environ	3/6/2018	Organic	4-Bromofluorobenzene	n/a	=	47.2	µg/L	EPA 8015D	-88	-88			
2017/18-2	MO-MPK	srgt environ, rec	3/6/2018	Organic	4-Bromofluorobenzene	n/a	=	94	%	EPA 8015D	-88	-88	72	124	
2017/18-2	MO-MPK	srgt environ	3/6/2018	Organic	4-Bromofluorobenzene	n/a	=	51	µg/L	EPA 624	-88	-88			
2017/18-2	MO-MPK	srgt environ, rec	3/6/2018	Organic	4-Bromofluorobenzene	n/a	=	102	%	EPA 624	-88	-88	88	108	
2017/18-2	MO-OJA	srgt environ	3/5/2018	Organic	4-Bromofluorobenzene	n/a	=	51.3	µg/L	EPA 624	-88	-88			
2017/18-2	MO-OJA	srgt environ, rec	3/5/2018	Organic	4-Bromofluorobenzene	n/a	=	103	%	EPA 624	-88	-88	88	108	
2017/18-2	MO-OJA	srgt environ	3/5/2018	Organic	4-Bromofluorobenzene	n/a	=	46.3	µg/L	EPA 8015D	-88	-88			
2017/18-2	MO-OJA	srgt environ, rec	3/5/2018	Organic	4-Bromofluorobenzene	n/a	=	93	%	EPA 8015D	-88	-88	72	124	
2017/18-2	MO-OXN	srgt environ	3/5/2018	Organic	4-Bromofluorobenzene	n/a	=	50.9	µg/L	EPA 624	-88	-88			
2017/18-2	MO-OXN	srgt environ, rec	3/5/2018	Organic	4-Bromofluorobenzene	n/a	=	102	%	EPA 624	-88	-88	88	108	
2017/18-2	MO-OXN	srgt environ	3/5/2018	Organic	4-Bromofluorobenzene	n/a	=	48.1	µg/L	EPA 8015D	-88	-88			
2017/18-2	MO-OXN	srgt environ, rec	3/5/2018	Organic	4-Bromofluorobenzene	n/a	=	96	%	EPA 8015D	-88	-88	72	124	
2017/18-2	MO-SIM	srgt environ	3/6/2018	Organic	4-Bromofluorobenzene	n/a	=	46.7	µg/L	EPA 8015D	-88	-88			
2017/18-2	MO-SIM	srgt environ, rec	3/6/2018	Organic	4-Bromofluorobenzene	n/a	=	93	%	EPA 8015D	-88	-88	72	124	
2017/18-2	MO-SIM	srgt environ	3/6/2018	Organic	4-Bromofluorobenzene	n/a	=	51.7	µg/L	EPA 624	-88	-88			
2017/18-2	MO-SIM	srgt environ, rec	3/6/2018	Organic	4-Bromofluorobenzene	n/a	=	103	%	EPA 624	-88	-88	88	108	
2017/18-2	MO-SPA	srgt environ	3/5/2018	Organic	4-Bromofluorobenzene	n/a	=	51.5	µg/L	EPA 624	-88	-88			
2017/18-2	MO-SPA	srgt environ, rec	3/5/2018	Organic	4-Bromofluorobenzene	n/a	=	103	%	EPA 624	-88	-88	88	108	
2017/18-2	MO-SPA	srgt environ	3/5/2018	Organic	4-Bromofluorobenzene	n/a	=	46.9	µg/L	EPA 8015D	-88	-88			
2017/18-2	MO-SPA	srgt environ, rec	3/5/2018	Organic	4-Bromofluorobenzene	n/a	=	94	%	EPA 8015D	-88	-88	72	124	
2017/18-2	MO-THO	srgt field blank	3/5/2018	Organic	4-Bromofluorobenzene	n/a	=	50.8	µg/L	EPA 624	-88	-88			
2017/18-2	MO-THO	srgt field blank, rec	3/5/2018	Organic	4-Bromofluorobenzene	n/a	=	102	%	EPA 624	-88	-88	88	108	
2017/18-2	MO-THO	srgt environ	3/6/2018	Organic	4-Bromofluorobenzene	n/a	=	45.8	µg/L	EPA 8015D	-88	-88			
2017/18-2	MO-THO	srgt environ, rec	3/6/2018	Organic	4-Bromofluorobenzene	n/a	=	92	%	EPA 8015D	-88	-88	72	124	
2017/18-2	MO-THO	srgt field blank	3/6/2018	Organic	4-Bromofluorobenzene	n/a	=	46.9	µg/L	EPA 8015D	-88	-88			
2017/18-2	MO-THO	srgt field blank, rec	3/6/2018	Organic	4-Bromofluorobenzene	n/a	=	94	%	EPA 8015D	-88	-88	72	124	
2017/18-2	MO-THO	srgt environ	3/6/2018	Organic	4-Bromofluorobenzene	n/a	=	51.8	µg/L	EPA 624	-88	-88			
2017/18-2	MO-THO	srgt environ, rec	3/6/2018	Organic	4-Bromofluorobenzene	n/a	=	104	%	EPA 624	-88	-88	88	108	
2017/18-2	MO-VEN	srgt environ	3/5/2018	Organic	4-Bromofluorobenzene	n/a	=	51.4	µg/L	EPA 624	-88	-88			
2017/18-2	MO-VEN	srgt environ, rec	3/5/2018	Organic	4-Bromofluorobenzene	n/a	=	103	%	EPA 624	-88	-88	88	108	
2017/18-2	MO-VEN	srgt environ	3/5/2018	Organic	4-Bromofluorobenzene	n/a	=	46.6	µg/L	EPA 8015D	-88	-88			
2017/18-2	MO-VEN	srgt environ, rec	3/5/2018	Organic	4-Bromofluorobenzene	n/a	=	93	%	EPA 8015D	-88	-88	72	124	
2017/18-2	Lab	method blank	3/12/2018	Organic	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2017/18-2	Lab	LCS	3/12/2018	Organic	4-Bromophenyl phenyl ether	n/a	=	21.8	µg/L	EPA 625	0.36	1			
2017/18-2	Lab	LCS, rec	3/12/2018	Organic	4-Bromophenyl phenyl ether	n/a	=	87	%	EPA 625	-88	-88	53	127	
2017/18-2	Lab	LCS dup	3/13/2018	Organic	4-Bromophenyl phenyl ether	n/a	=	20.9	µg/L	EPA 625	0.36	1			
2017/18-2	Lab	LCS dup, rec	3/13/2018	Organic	4-Bromophenyl phenyl ether	n/a	=	84	%	EPA 625	-88	-88	53	127	
2017/18-2	Lab	LCS, RPD	3/13/2018	Organic	4-Bromophenyl phenyl ether	n/a	=	4	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/14/2018	Organic	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2017/18-2	Lab	LCS	3/14/2018	Organic	4-Bromophenyl phenyl ether	n/a	=	20.1	µg/L	EPA 625	0.36	1			
2017/18-2	Lab	LCS, rec	3/14/2018	Organic	4-Bromophenyl phenyl ether	n/a	=	80	%	EPA 625	-88	-88	53	127	
2017/18-2	Lab	LCS dup	3/15/2018	Organic	4-Bromophenyl phenyl ether	n/a	=	19.6	µg/L	EPA 625	0.36	1			
2017/18-2	Lab	LCS dup, rec	3/15/2018	Organic	4-Bromophenyl phenyl ether	n/a	=	78	%	EPA 625	-88	-88	53	127	
2017/18-2	Lab	LCS, RPD	3/15/2018	Organic	4-Bromophenyl phenyl ether	n/a	=	2	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/12/2018	Organic	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1			
2017/18-2	Lab	LCS	3/12/2018	Organic	4-Chloro-3-methylphenol	n/a	=	19.5	µg/L	EPA 625	0.23	1			
2017/18-2	Lab	LCS, rec	3/12/2018	Organic	4-Chloro-3-methylphenol	n/a	=	78	%	EPA 625	-88	-88	22	147	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-2	Lab	LCS dup	3/13/2018	Organic	4-Chloro-3-methylphenol	n/a	=	18.6	µg/L	EPA 625	0.23	1			
2017/18-2	Lab	LCS dup, rec	3/13/2018	Organic	4-Chloro-3-methylphenol	n/a	=	74	%	EPA 625	-88	-88	22	147	
2017/18-2	Lab	LCS, RPD	3/13/2018	Organic	4-Chloro-3-methylphenol	n/a	=	5	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/14/2018	Organic	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1			
2017/18-2	Lab	LCS	3/14/2018	Organic	4-Chloro-3-methylphenol	n/a	=	20.5	µg/L	EPA 625	0.23	1			
2017/18-2	Lab	LCS, rec	3/14/2018	Organic	4-Chloro-3-methylphenol	n/a	=	82	%	EPA 625	-88	-88	22	147	
2017/18-2	Lab	LCS dup	3/15/2018	Organic	4-Chloro-3-methylphenol	n/a	=	19.6	µg/L	EPA 625	0.23	1			
2017/18-2	Lab	LCS dup, rec	3/15/2018	Organic	4-Chloro-3-methylphenol	n/a	=	79	%	EPA 625	-88	-88	22	147	
2017/18-2	Lab	LCS, RPD	3/15/2018	Organic	4-Chloro-3-methylphenol	n/a	=	4	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/26/2018	Organic	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1			
2017/18-2	Lab	LCS	3/26/2018	Organic	4-Chloro-3-methylphenol	n/a	=	5.94	µg/L	EPA 8270C	0.37	1			
2017/18-2	Lab	LCS, rec	3/26/2018	Organic	4-Chloro-3-methylphenol	n/a	=	59	%	EPA 8270C	-88	-88	29	108	
2017/18-2	Lab	LCS dup	3/26/2018	Organic	4-Chloro-3-methylphenol	n/a	=	4.86	µg/L	EPA 8270C	0.37	1			
2017/18-2	Lab	LCS dup, rec	3/26/2018	Organic	4-Chloro-3-methylphenol	n/a	=	49	%	EPA 8270C	-88	-88	29	108	
2017/18-2	Lab	LCS, RPD	3/26/2018	Organic	4-Chloro-3-methylphenol	n/a	=	20	%	EPA 8270C	-88	-88	0	30	
2017/18-2	Lab	method blank	3/12/2018	Organic	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1			
2017/18-2	Lab	LCS	3/12/2018	Organic	4-Chlorophenyl phenyl ether	n/a	=	20.9	µg/L	EPA 625	0.41	1			
2017/18-2	Lab	LCS, rec	3/12/2018	Organic	4-Chlorophenyl phenyl ether	n/a	=	84	%	EPA 625	-88	-88	25	158	
2017/18-2	Lab	LCS dup	3/13/2018	Organic	4-Chlorophenyl phenyl ether	n/a	=	20.5	µg/L	EPA 625	0.41	1			
2017/18-2	Lab	LCS dup, rec	3/13/2018	Organic	4-Chlorophenyl phenyl ether	n/a	=	82	%	EPA 625	-88	-88	25	158	
2017/18-2	Lab	LCS, RPD	3/13/2018	Organic	4-Chlorophenyl phenyl ether	n/a	=	2	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/14/2018	Organic	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1			
2017/18-2	Lab	LCS	3/14/2018	Organic	4-Chlorophenyl phenyl ether	n/a	=	20.2	µg/L	EPA 625	0.41	1			
2017/18-2	Lab	LCS, rec	3/14/2018	Organic	4-Chlorophenyl phenyl ether	n/a	=	81	%	EPA 625	-88	-88	25	158	
2017/18-2	Lab	LCS dup	3/15/2018	Organic	4-Chlorophenyl phenyl ether	n/a	=	19.4	µg/L	EPA 625	0.41	1			
2017/18-2	Lab	LCS dup, rec	3/15/2018	Organic	4-Chlorophenyl phenyl ether	n/a	=	78	%	EPA 625	-88	-88	25	158	
2017/18-2	Lab	LCS, RPD	3/15/2018	Organic	4-Chlorophenyl phenyl ether	n/a	=	4	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/12/2018	Organic	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5			
2017/18-2	Lab	LCS	3/12/2018	Organic	4-Nitrophenol	n/a	=	5.51	µg/L	EPA 625	0.45	5			
2017/18-2	Lab	LCS, rec	3/12/2018	Organic	4-Nitrophenol	n/a	=	22	%	EPA 625	-88	-88	0.1	132	
2017/18-2	Lab	LCS dup	3/13/2018	Organic	4-Nitrophenol	n/a	=	5.65	µg/L	EPA 625	0.45	5			
2017/18-2	Lab	LCS dup, rec	3/13/2018	Organic	4-Nitrophenol	n/a	=	23	%	EPA 625	-88	-88	0.1	132	
2017/18-2	Lab	LCS, RPD	3/13/2018	Organic	4-Nitrophenol	n/a	=	2	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/14/2018	Organic	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5			
2017/18-2	Lab	LCS	3/14/2018	Organic	4-Nitrophenol	n/a	=	8.53	µg/L	EPA 625	0.45	5			
2017/18-2	Lab	LCS, rec	3/14/2018	Organic	4-Nitrophenol	n/a	=	34	%	EPA 625	-88	-88	0.1	132	
2017/18-2	Lab	LCS dup	3/15/2018	Organic	4-Nitrophenol	n/a	=	8.61	µg/L	EPA 625	0.45	5			
2017/18-2	Lab	LCS dup, rec	3/15/2018	Organic	4-Nitrophenol	n/a	=	34	%	EPA 625	-88	-88	0.1	132	
2017/18-2	Lab	LCS, RPD	3/15/2018	Organic	4-Nitrophenol	n/a	=	0.9	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/26/2018	Organic	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2			
2017/18-2	Lab	LCS	3/26/2018	Organic	4-Nitrophenol	n/a	DNQ	1.53	µg/L	EPA 8270C	1	2			
2017/18-2	Lab	LCS, rec	3/26/2018	Organic	4-Nitrophenol	n/a	=	15	%	EPA 8270C	-88	-88	6	46	
2017/18-2	Lab	LCS dup	3/26/2018	Organic	4-Nitrophenol	n/a	DNQ	1.35	µg/L	EPA 8270C	1	2			
2017/18-2	Lab	LCS dup, rec	3/26/2018	Organic	4-Nitrophenol	n/a	=	14	%	EPA 8270C	-88	-88	6	46	
2017/18-2	Lab	LCS, RPD	3/26/2018	Organic	4-Nitrophenol	n/a	=	12	%	EPA 8270C	-88	-88	0	30	
2017/18-2	Lab	method blank	3/12/2018	Organic	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2017/18-2	Lab	LCS	3/12/2018	Organic	Acenaphthene	n/a	=	21.4	µg/L	EPA 625	0.38	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-2	Lab	LCS, rec	3/12/2018	Organic	Acenaphthene	n/a	=	86	%	EPA 625	-88	-88	47	145	
2017/18-2	Lab	LCS dup	3/13/2018	Organic	Acenaphthene	n/a	=	20.8	µg/L	EPA 625	0.38	1			
2017/18-2	Lab	LCS dup, rec	3/13/2018	Organic	Acenaphthene	n/a	=	83	%	EPA 625	-88	-88	47	145	
2017/18-2	Lab	LCS, RPD	3/13/2018	Organic	Acenaphthene	n/a	=	3	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/14/2018	Organic	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2017/18-2	Lab	LCS	3/14/2018	Organic	Acenaphthene	n/a	=	20.9	µg/L	EPA 625	0.38	1			
2017/18-2	Lab	LCS, rec	3/14/2018	Organic	Acenaphthene	n/a	=	84	%	EPA 625	-88	-88	47	145	
2017/18-2	Lab	LCS dup	3/15/2018	Organic	Acenaphthene	n/a	=	19.6	µg/L	EPA 625	0.38	1			
2017/18-2	Lab	LCS dup, rec	3/15/2018	Organic	Acenaphthene	n/a	=	78	%	EPA 625	-88	-88	47	145	
2017/18-2	Lab	LCS, RPD	3/15/2018	Organic	Acenaphthene	n/a	=	7	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/19/2018	Organic	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-2	Lab	LCS	3/19/2018	Organic	Acenaphthene	n/a	=	7.54	µg/L	EPA 8270C	0.1	0.1			
2017/18-2	Lab	LCS, rec	3/19/2018	Organic	Acenaphthene	n/a	=	75	%	EPA 8270C	-88	-88	11	122	
2017/18-2	Lab	LCS dup	3/19/2018	Organic	Acenaphthene	n/a	=	7.03	µg/L	EPA 8270C	0.1	0.1			
2017/18-2	Lab	LCS dup, rec	3/19/2018	Organic	Acenaphthene	n/a	=	70	%	EPA 8270C	-88	-88	11	122	
2017/18-2	Lab	LCS, RPD	3/19/2018	Organic	Acenaphthene	n/a	=	7	%	EPA 8270C	-88	-88	0	30	
2017/18-2	Lab	method blank	3/12/2018	Organic	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1			
2017/18-2	Lab	LCS	3/12/2018	Organic	Acenaphthylene	n/a	=	23.3	µg/L	EPA 625	0.4	1			
2017/18-2	Lab	LCS, rec	3/12/2018	Organic	Acenaphthylene	n/a	=	93	%	EPA 625	-88	-88	33	145	
2017/18-2	Lab	LCS dup	3/13/2018	Organic	Acenaphthylene	n/a	=	22.3	µg/L	EPA 625	0.4	1			
2017/18-2	Lab	LCS dup, rec	3/13/2018	Organic	Acenaphthylene	n/a	=	89	%	EPA 625	-88	-88	33	145	
2017/18-2	Lab	LCS, RPD	3/13/2018	Organic	Acenaphthylene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/14/2018	Organic	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1			
2017/18-2	Lab	LCS	3/14/2018	Organic	Acenaphthylene	n/a	=	24.6	µg/L	EPA 625	0.4	1			
2017/18-2	Lab	LCS, rec	3/14/2018	Organic	Acenaphthylene	n/a	=	98	%	EPA 625	-88	-88	33	145	
2017/18-2	Lab	LCS dup	3/15/2018	Organic	Acenaphthylene	n/a	=	22.8	µg/L	EPA 625	0.4	1			
2017/18-2	Lab	LCS dup, rec	3/15/2018	Organic	Acenaphthylene	n/a	=	91	%	EPA 625	-88	-88	33	145	
2017/18-2	Lab	LCS, RPD	3/15/2018	Organic	Acenaphthylene	n/a	=	8	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/19/2018	Organic	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-2	Lab	LCS	3/19/2018	Organic	Acenaphthylene	n/a	=	7.63	µg/L	EPA 8270C	0.1	0.1			
2017/18-2	Lab	LCS, rec	3/19/2018	Organic	Acenaphthylene	n/a	=	76	%	EPA 8270C	-88	-88	4	135	
2017/18-2	Lab	LCS dup	3/19/2018	Organic	Acenaphthylene	n/a	=	7.16	µg/L	EPA 8270C	0.1	0.1			
2017/18-2	Lab	LCS dup, rec	3/19/2018	Organic	Acenaphthylene	n/a	=	72	%	EPA 8270C	-88	-88	4	135	
2017/18-2	Lab	LCS, RPD	3/19/2018	Organic	Acenaphthylene	n/a	=	6	%	EPA 8270C	-88	-88	0	30	
2017/18-2	Lab	method blank	3/12/2018	Organic	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1			
2017/18-2	Lab	LCS	3/12/2018	Organic	Anthracene	n/a	=	23.9	µg/L	EPA 625	0.34	1			
2017/18-2	Lab	LCS, rec	3/12/2018	Organic	Anthracene	n/a	=	95	%	EPA 625	-88	-88	27	133	
2017/18-2	Lab	LCS dup	3/13/2018	Organic	Anthracene	n/a	=	23.8	µg/L	EPA 625	0.34	1			
2017/18-2	Lab	LCS dup, rec	3/13/2018	Organic	Anthracene	n/a	=	95	%	EPA 625	-88	-88	27	133	
2017/18-2	Lab	LCS, RPD	3/13/2018	Organic	Anthracene	n/a	=	0.08	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/14/2018	Organic	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1			
2017/18-2	Lab	LCS	3/14/2018	Organic	Anthracene	n/a	=	23.4	µg/L	EPA 625	0.34	1			
2017/18-2	Lab	LCS, rec	3/14/2018	Organic	Anthracene	n/a	=	94	%	EPA 625	-88	-88	27	133	
2017/18-2	Lab	LCS dup	3/15/2018	Organic	Anthracene	n/a	=	23.5	µg/L	EPA 625	0.34	1			
2017/18-2	Lab	LCS dup, rec	3/15/2018	Organic	Anthracene	n/a	=	94	%	EPA 625	-88	-88	27	133	
2017/18-2	Lab	LCS, RPD	3/15/2018	Organic	Anthracene	n/a	=	0.4	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/19/2018	Organic	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-2	Lab	LCS	3/19/2018	Organic	Anthracene	n/a	=	7.44	µg/L	EPA 8270C	0.1	0.1			
2017/18-2	Lab	LCS, rec	3/19/2018	Organic	Anthracene	n/a	=	74	%	EPA 8270C	-88	-88	22	127	
2017/18-2	Lab	LCS dup	3/19/2018	Organic	Anthracene	n/a	=	6.97	µg/L	EPA 8270C	0.1	0.1			
2017/18-2	Lab	LCS dup, rec	3/19/2018	Organic	Anthracene	n/a	=	70	%	EPA 8270C	-88	-88	22	127	
2017/18-2	Lab	LCS, RPD	3/19/2018	Organic	Anthracene	n/a	=	6	%	EPA 8270C	-88	-88	0	30	
2017/18-2	Lab	method blank	3/12/2018	Organic	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2017/18-2	Lab	LCS	3/12/2018	Organic	Benz(a)anthracene	n/a	=	18.1	µg/L	EPA 625	0.19	1			
2017/18-2	Lab	LCS, rec	3/12/2018	Organic	Benz(a)anthracene	n/a	=	72	%	EPA 625	-88	-88	33	143	
2017/18-2	Lab	LCS dup	3/13/2018	Organic	Benz(a)anthracene	n/a	=	18.2	µg/L	EPA 625	0.19	1			
2017/18-2	Lab	LCS dup, rec	3/13/2018	Organic	Benz(a)anthracene	n/a	=	73	%	EPA 625	-88	-88	33	143	
2017/18-2	Lab	LCS, RPD	3/13/2018	Organic	Benz(a)anthracene	n/a	=	0.5	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/14/2018	Organic	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2017/18-2	Lab	LCS	3/14/2018	Organic	Benz(a)anthracene	n/a	=	25.8	µg/L	EPA 625	0.19	1			
2017/18-2	Lab	LCS, rec	3/14/2018	Organic	Benz(a)anthracene	n/a	=	103	%	EPA 625	-88	-88	33	143	
2017/18-2	Lab	LCS dup	3/15/2018	Organic	Benz(a)anthracene	n/a	=	24.6	µg/L	EPA 625	0.19	1			
2017/18-2	Lab	LCS dup, rec	3/15/2018	Organic	Benz(a)anthracene	n/a	=	98	%	EPA 625	-88	-88	33	143	
2017/18-2	Lab	LCS, RPD	3/15/2018	Organic	Benz(a)anthracene	n/a	=	5	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/19/2018	Organic	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-2	Lab	LCS	3/19/2018	Organic	Benz(a)anthracene	n/a	=	7.67	µg/L	EPA 8270C	0.1	0.1			
2017/18-2	Lab	LCS, rec	3/19/2018	Organic	Benz(a)anthracene	n/a	=	77	%	EPA 8270C	-88	-88	17	131	
2017/18-2	Lab	LCS dup	3/19/2018	Organic	Benz(a)anthracene	n/a	=	7.58	µg/L	EPA 8270C	0.1	0.1			
2017/18-2	Lab	LCS dup, rec	3/19/2018	Organic	Benz(a)anthracene	n/a	=	76	%	EPA 8270C	-88	-88	17	131	
2017/18-2	Lab	LCS, RPD	3/19/2018	Organic	Benz(a)anthracene	n/a	=	1	%	EPA 8270C	-88	-88	0	30	
2017/18-2	Lab	method blank	3/12/2018	Organic	Benzydine	n/a	<	3.7	µg/L	EPA 625	3.7	10			
2017/18-2	Lab	method blank	3/14/2018	Organic	Benzydine	n/a	<	3.7	µg/L	EPA 625	3.7	5			
2017/18-2	Lab	method blank	3/12/2018	Organic	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1			
2017/18-2	Lab	LCS	3/12/2018	Organic	Benzo(a)pyrene	n/a	=	15.5	µg/L	EPA 625	0.13	1			
2017/18-2	Lab	LCS, rec	3/12/2018	Organic	Benzo(a)pyrene	n/a	=	62	%	EPA 625	-88	-88	17	163	
2017/18-2	Lab	LCS dup	3/13/2018	Organic	Benzo(a)pyrene	n/a	=	15	µg/L	EPA 625	0.13	1			
2017/18-2	Lab	LCS dup, rec	3/13/2018	Organic	Benzo(a)pyrene	n/a	=	60	%	EPA 625	-88	-88	17	163	
2017/18-2	Lab	LCS, RPD	3/13/2018	Organic	Benzo(a)pyrene	n/a	=	3	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/14/2018	Organic	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1			
2017/18-2	Lab	LCS	3/14/2018	Organic	Benzo(a)pyrene	n/a	=	24.8	µg/L	EPA 625	0.13	1			
2017/18-2	Lab	LCS, rec	3/14/2018	Organic	Benzo(a)pyrene	n/a	=	99	%	EPA 625	-88	-88	17	163	
2017/18-2	Lab	LCS dup	3/15/2018	Organic	Benzo(a)pyrene	n/a	=	24	µg/L	EPA 625	0.13	1			
2017/18-2	Lab	LCS dup, rec	3/15/2018	Organic	Benzo(a)pyrene	n/a	=	96	%	EPA 625	-88	-88	17	163	
2017/18-2	Lab	LCS, RPD	3/15/2018	Organic	Benzo(a)pyrene	n/a	=	3	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/19/2018	Organic	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1			
2017/18-2	Lab	LCS	3/19/2018	Organic	Benzo(a)pyrene	n/a	=	4.84	µg/L	EPA 525.2	0.07	0.1			
2017/18-2	Lab	LCS, rec	3/19/2018	Organic	Benzo(a)pyrene	n/a	=	97	%	EPA 525.2	-88	-88	60	130	
2017/18-2	Lab	LCS dup	3/19/2018	Organic	Benzo(a)pyrene	n/a	=	4.96	µg/L	EPA 525.2	0.07	0.1			
2017/18-2	Lab	LCS dup, rec	3/19/2018	Organic	Benzo(a)pyrene	n/a	=	99	%	EPA 525.2	-88	-88	60	130	
2017/18-2	Lab	LCS, RPD	3/19/2018	Organic	Benzo(a)pyrene	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2017/18-2	Lab	method blank	3/19/2018	Organic	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-2	Lab	LCS	3/19/2018	Organic	Benzo(a)pyrene	n/a	=	5.01	µg/L	EPA 8270C	0.1	0.1			
2017/18-2	Lab	LCS, rec	3/19/2018	Organic	Benzo(a)pyrene	n/a	=	50	%	EPA 8270C	-88	-88	12	131	
2017/18-2	Lab	LCS dup	3/19/2018	Organic	Benzo(a)pyrene	n/a	=	5.08	µg/L	EPA 8270C	0.1	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-2	Lab	LCS dup, rec	3/19/2018	Organic	Benzo(a)pyrene	n/a	=	51	%	EPA 8270C	-88	-88	12	131	
2017/18-2	Lab	LCS, RPD	3/19/2018	Organic	Benzo(a)pyrene	n/a	=	2	%	EPA 8270C	-88	-88	0	30	
2017/18-2	Lab	method blank	3/12/2018	Organic	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1			
2017/18-2	Lab	LCS	3/12/2018	Organic	Benzo(b)fluoranthene	n/a	=	16.5	µg/L	EPA 625	0.14	1			
2017/18-2	Lab	LCS, rec	3/12/2018	Organic	Benzo(b)fluoranthene	n/a	=	66	%	EPA 625	-88	-88	24	159	
2017/18-2	Lab	LCS dup	3/13/2018	Organic	Benzo(b)fluoranthene	n/a	=	15.7	µg/L	EPA 625	0.14	1			
2017/18-2	Lab	LCS dup, rec	3/13/2018	Organic	Benzo(b)fluoranthene	n/a	=	63	%	EPA 625	-88	-88	24	159	
2017/18-2	Lab	LCS, RPD	3/13/2018	Organic	Benzo(b)fluoranthene	n/a	=	5	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/14/2018	Organic	Benzo(b)fluoranthene	n/a	DNQ	0.189	µg/L	EPA 625	0.14	1			IP
2017/18-2	Lab	LCS	3/14/2018	Organic	Benzo(b)fluoranthene	n/a	=	25.2	µg/L	EPA 625	0.14	1			
2017/18-2	Lab	LCS, rec	3/14/2018	Organic	Benzo(b)fluoranthene	n/a	=	101	%	EPA 625	-88	-88	24	159	
2017/18-2	Lab	LCS dup	3/15/2018	Organic	Benzo(b)fluoranthene	n/a	=	24.4	µg/L	EPA 625	0.14	1			
2017/18-2	Lab	LCS dup, rec	3/15/2018	Organic	Benzo(b)fluoranthene	n/a	=	98	%	EPA 625	-88	-88	24	159	
2017/18-2	Lab	LCS, RPD	3/15/2018	Organic	Benzo(b)fluoranthene	n/a	=	3	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/19/2018	Organic	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-2	Lab	LCS	3/19/2018	Organic	Benzo(b)fluoranthene	n/a	=	6.06	µg/L	EPA 8270C	0.1	0.1			
2017/18-2	Lab	LCS, rec	3/19/2018	Organic	Benzo(b)fluoranthene	n/a	=	61	%	EPA 8270C	-88	-88	19	129	
2017/18-2	Lab	LCS dup	3/19/2018	Organic	Benzo(b)fluoranthene	n/a	=	6.11	µg/L	EPA 8270C	0.1	0.1			
2017/18-2	Lab	LCS dup, rec	3/19/2018	Organic	Benzo(b)fluoranthene	n/a	=	61	%	EPA 8270C	-88	-88	19	129	
2017/18-2	Lab	LCS, RPD	3/19/2018	Organic	Benzo(b)fluoranthene	n/a	=	0.8	%	EPA 8270C	-88	-88	0	30	
2017/18-2	Lab	method blank	3/19/2018	Organic	Benzo(e)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-2	Lab	method blank	3/12/2018	Organic	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2			
2017/18-2	Lab	LCS	3/12/2018	Organic	Benzo(g,h,i)perylene	n/a	=	14.6	µg/L	EPA 625	0.1	2			
2017/18-2	Lab	LCS, rec	3/12/2018	Organic	Benzo(g,h,i)perylene	n/a	=	58	%	EPA 625	-88	-88	0.1	219	
2017/18-2	Lab	LCS dup	3/13/2018	Organic	Benzo(g,h,i)perylene	n/a	=	14.2	µg/L	EPA 625	0.1	2			
2017/18-2	Lab	LCS dup, rec	3/13/2018	Organic	Benzo(g,h,i)perylene	n/a	=	57	%	EPA 625	-88	-88	0.1	219	
2017/18-2	Lab	LCS, RPD	3/13/2018	Organic	Benzo(g,h,i)perylene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/14/2018	Organic	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2			
2017/18-2	Lab	LCS	3/14/2018	Organic	Benzo(g,h,i)perylene	n/a	=	19.6	µg/L	EPA 625	0.1	2			
2017/18-2	Lab	LCS, rec	3/14/2018	Organic	Benzo(g,h,i)perylene	n/a	=	78	%	EPA 625	-88	-88	0.1	219	
2017/18-2	Lab	LCS dup	3/15/2018	Organic	Benzo(g,h,i)perylene	n/a	=	17.9	µg/L	EPA 625	0.1	2			
2017/18-2	Lab	LCS dup, rec	3/15/2018	Organic	Benzo(g,h,i)perylene	n/a	=	72	%	EPA 625	-88	-88	0.1	219	
2017/18-2	Lab	LCS, RPD	3/15/2018	Organic	Benzo(g,h,i)perylene	n/a	=	9	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/19/2018	Organic	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-2	Lab	LCS	3/19/2018	Organic	Benzo(g,h,i)perylene	n/a	=	5.59	µg/L	EPA 8270C	0.1	0.1			
2017/18-2	Lab	LCS, rec	3/19/2018	Organic	Benzo(g,h,i)perylene	n/a	=	56	%	EPA 8270C	-88	-88	14	139	
2017/18-2	Lab	LCS dup	3/19/2018	Organic	Benzo(g,h,i)perylene	n/a	=	5.65	µg/L	EPA 8270C	0.1	0.1			
2017/18-2	Lab	LCS dup, rec	3/19/2018	Organic	Benzo(g,h,i)perylene	n/a	=	56	%	EPA 8270C	-88	-88	14	139	
2017/18-2	Lab	LCS, RPD	3/19/2018	Organic	Benzo(g,h,i)perylene	n/a	=	1	%	EPA 8270C	-88	-88	0	30	
2017/18-2	Lab	method blank	3/12/2018	Organic	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2017/18-2	Lab	LCS	3/12/2018	Organic	Benzo(k)fluoranthene	n/a	=	17.5	µg/L	EPA 625	0.22	1			
2017/18-2	Lab	LCS, rec	3/12/2018	Organic	Benzo(k)fluoranthene	n/a	=	70	%	EPA 625	-88	-88	11	162	
2017/18-2	Lab	LCS dup	3/13/2018	Organic	Benzo(k)fluoranthene	n/a	=	17.3	µg/L	EPA 625	0.22	1			
2017/18-2	Lab	LCS dup, rec	3/13/2018	Organic	Benzo(k)fluoranthene	n/a	=	69	%	EPA 625	-88	-88	11	162	
2017/18-2	Lab	LCS, RPD	3/13/2018	Organic	Benzo(k)fluoranthene	n/a	=	0.9	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/14/2018	Organic	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2017/18-2	Lab	LCS	3/14/2018	Organic	Benzo(k)fluoranthene	n/a	=	27.8	µg/L	EPA 625	0.22	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-2	Lab	LCS, rec	3/14/2018	Organic	Benzo(k)fluoranthene	n/a	=	111	%	EPA 625	-88	-88	11	162	
2017/18-2	Lab	LCS dup	3/15/2018	Organic	Benzo(k)fluoranthene	n/a	=	26.2	µg/L	EPA 625	0.22	1			
2017/18-2	Lab	LCS dup, rec	3/15/2018	Organic	Benzo(k)fluoranthene	n/a	=	105	%	EPA 625	-88	-88	11	162	
2017/18-2	Lab	LCS, RPD	3/15/2018	Organic	Benzo(k)fluoranthene	n/a	=	6	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/19/2018	Organic	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-2	Lab	LCS	3/19/2018	Organic	Benzo(k)fluoranthene	n/a	=	5.49	µg/L	EPA 8270C	0.1	0.1			
2017/18-2	Lab	LCS, rec	3/19/2018	Organic	Benzo(k)fluoranthene	n/a	=	55	%	EPA 8270C	-88	-88	22	127	
2017/18-2	Lab	LCS dup	3/19/2018	Organic	Benzo(k)fluoranthene	n/a	=	5.57	µg/L	EPA 8270C	0.1	0.1			
2017/18-2	Lab	LCS dup, rec	3/19/2018	Organic	Benzo(k)fluoranthene	n/a	=	56	%	EPA 8270C	-88	-88	22	127	
2017/18-2	Lab	LCS, RPD	3/19/2018	Organic	Benzo(k)fluoranthene	n/a	=	1	%	EPA 8270C	-88	-88	0	30	
2017/18-2	Lab	method blank	3/19/2018	Organic	Biphenyl	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-2	Lab	method blank	3/12/2018	Organic	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2017/18-2	Lab	LCS	3/12/2018	Organic	Bis(2-chloroethoxy)methane	n/a	=	20.9	µg/L	EPA 625	0.25	1			
2017/18-2	Lab	LCS, rec	3/12/2018	Organic	Bis(2-chloroethoxy)methane	n/a	=	84	%	EPA 625	-88	-88	33	184	
2017/18-2	Lab	LCS dup	3/13/2018	Organic	Bis(2-chloroethoxy)methane	n/a	=	18.2	µg/L	EPA 625	0.25	1			
2017/18-2	Lab	LCS dup, rec	3/13/2018	Organic	Bis(2-chloroethoxy)methane	n/a	=	73	%	EPA 625	-88	-88	33	184	
2017/18-2	Lab	LCS, RPD	3/13/2018	Organic	Bis(2-chloroethoxy)methane	n/a	=	14	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/14/2018	Organic	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2017/18-2	Lab	LCS	3/14/2018	Organic	Bis(2-chloroethoxy)methane	n/a	=	18.9	µg/L	EPA 625	0.25	1			
2017/18-2	Lab	LCS, rec	3/14/2018	Organic	Bis(2-chloroethoxy)methane	n/a	=	76	%	EPA 625	-88	-88	33	184	
2017/18-2	Lab	LCS dup	3/15/2018	Organic	Bis(2-chloroethoxy)methane	n/a	=	17.2	µg/L	EPA 625	0.25	1			
2017/18-2	Lab	LCS dup, rec	3/15/2018	Organic	Bis(2-chloroethoxy)methane	n/a	=	69	%	EPA 625	-88	-88	33	184	
2017/18-2	Lab	LCS, RPD	3/15/2018	Organic	Bis(2-chloroethoxy)methane	n/a	=	9	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/12/2018	Organic	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2017/18-2	Lab	LCS	3/12/2018	Organic	Bis(2-chloroethyl)ether	n/a	=	19.1	µg/L	EPA 625	0.27	1			
2017/18-2	Lab	LCS, rec	3/12/2018	Organic	Bis(2-chloroethyl)ether	n/a	=	76	%	EPA 625	-88	-88	12	158	
2017/18-2	Lab	LCS dup	3/13/2018	Organic	Bis(2-chloroethyl)ether	n/a	=	18.8	µg/L	EPA 625	0.27	1			
2017/18-2	Lab	LCS dup, rec	3/13/2018	Organic	Bis(2-chloroethyl)ether	n/a	=	75	%	EPA 625	-88	-88	12	158	
2017/18-2	Lab	LCS, RPD	3/13/2018	Organic	Bis(2-chloroethyl)ether	n/a	=	1	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/14/2018	Organic	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2017/18-2	Lab	LCS	3/14/2018	Organic	Bis(2-chloroethyl)ether	n/a	=	19.5	µg/L	EPA 625	0.27	1			
2017/18-2	Lab	LCS, rec	3/14/2018	Organic	Bis(2-chloroethyl)ether	n/a	=	78	%	EPA 625	-88	-88	12	158	
2017/18-2	Lab	LCS dup	3/15/2018	Organic	Bis(2-chloroethyl)ether	n/a	=	17.8	µg/L	EPA 625	0.27	1			
2017/18-2	Lab	LCS dup, rec	3/15/2018	Organic	Bis(2-chloroethyl)ether	n/a	=	71	%	EPA 625	-88	-88	12	158	
2017/18-2	Lab	LCS, RPD	3/15/2018	Organic	Bis(2-chloroethyl)ether	n/a	=	9	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/12/2018	Organic	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2017/18-2	Lab	LCS	3/12/2018	Organic	Bis(2-chloroisopropyl)ether	n/a	=	18.9	µg/L	EPA 625	0.38	1			
2017/18-2	Lab	LCS, rec	3/12/2018	Organic	Bis(2-chloroisopropyl)ether	n/a	=	75	%	EPA 625	-88	-88	36	166	
2017/18-2	Lab	LCS dup	3/13/2018	Organic	Bis(2-chloroisopropyl)ether	n/a	=	18.1	µg/L	EPA 625	0.38	1			
2017/18-2	Lab	LCS dup, rec	3/13/2018	Organic	Bis(2-chloroisopropyl)ether	n/a	=	73	%	EPA 625	-88	-88	36	166	
2017/18-2	Lab	LCS, RPD	3/13/2018	Organic	Bis(2-chloroisopropyl)ether	n/a	=	4	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/14/2018	Organic	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2017/18-2	Lab	LCS	3/14/2018	Organic	Bis(2-chloroisopropyl)ether	n/a	=	19.5	µg/L	EPA 625	0.38	1			
2017/18-2	Lab	LCS, rec	3/14/2018	Organic	Bis(2-chloroisopropyl)ether	n/a	=	78	%	EPA 625	-88	-88	36	166	
2017/18-2	Lab	LCS dup	3/15/2018	Organic	Bis(2-chloroisopropyl)ether	n/a	=	17.4	µg/L	EPA 625	0.38	1			
2017/18-2	Lab	LCS dup, rec	3/15/2018	Organic	Bis(2-chloroisopropyl)ether	n/a	=	70	%	EPA 625	-88	-88	36	166	
2017/18-2	Lab	LCS, RPD	3/15/2018	Organic	Bis(2-chloroisopropyl)ether	n/a	=	11	%	EPA 625	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-2	Lab	method blank	3/19/2018	Organic	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5			
2017/18-2	Lab	LCS	3/19/2018	Organic	Bis(2-ethylhexyl)adipate	n/a	DNQ	4.82	µg/L	EPA 525.2	0.1	5			
2017/18-2	Lab	LCS, rec	3/19/2018	Organic	Bis(2-ethylhexyl)adipate	n/a	=	96	%	EPA 525.2	-88	-88	70	130	
2017/18-2	Lab	LCS dup	3/19/2018	Organic	Bis(2-ethylhexyl)adipate	n/a	=	5.11	µg/L	EPA 525.2	0.1	5			
2017/18-2	Lab	LCS dup, rec	3/19/2018	Organic	Bis(2-ethylhexyl)adipate	n/a	=	102	%	EPA 525.2	-88	-88	70	130	
2017/18-2	Lab	LCS, RPD	3/19/2018	Organic	Bis(2-ethylhexyl)adipate	n/a	=	6	%	EPA 525.2	-88	-88	0	30	
2017/18-2	Lab	method blank	3/12/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	DNQ	3.43	µg/L	EPA 625	2.3	4			IP
2017/18-2	Lab	LCS	3/12/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	21.6	µg/L	EPA 625	2.3	4			
2017/18-2	Lab	LCS, rec	3/12/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	86	%	EPA 625	-88	-88	8	158	
2017/18-2	Lab	LCS dup	3/13/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	22.3	µg/L	EPA 625	2.3	4			
2017/18-2	Lab	LCS dup, rec	3/13/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	89	%	EPA 625	-88	-88	8	158	
2017/18-2	Lab	LCS, RPD	3/13/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	3	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/14/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	4			
2017/18-2	Lab	LCS	3/14/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	28	µg/L	EPA 625	2.3	4			
2017/18-2	Lab	LCS, rec	3/14/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	112	%	EPA 625	-88	-88	8	158	
2017/18-2	Lab	LCS dup	3/15/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	26	µg/L	EPA 625	2.3	4			
2017/18-2	Lab	LCS dup, rec	3/15/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	104	%	EPA 625	-88	-88	8	158	
2017/18-2	Lab	LCS, RPD	3/15/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	7	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/19/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3			
2017/18-2	Lab	LCS	3/19/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	5.05	µg/L	EPA 525.2	1.1	3			
2017/18-2	Lab	LCS, rec	3/19/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	101	%	EPA 525.2	-88	-88	70	130	
2017/18-2	Lab	LCS dup	3/19/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	5.37	µg/L	EPA 525.2	1.1	3			
2017/18-2	Lab	LCS dup, rec	3/19/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	107	%	EPA 525.2	-88	-88	70	130	
2017/18-2	Lab	LCS, RPD	3/19/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	6	%	EPA 525.2	-88	-88	0	30	
2017/18-2	Lab	method blank	3/12/2018	Organic	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2017/18-2	Lab	LCS	3/12/2018	Organic	Butyl benzyl phthalate	n/a	=	22.6	µg/L	EPA 625	0.18	1			
2017/18-2	Lab	LCS, rec	3/12/2018	Organic	Butyl benzyl phthalate	n/a	=	90	%	EPA 625	-88	-88	0.1	152	
2017/18-2	Lab	LCS dup	3/13/2018	Organic	Butyl benzyl phthalate	n/a	=	23.4	µg/L	EPA 625	0.18	1			
2017/18-2	Lab	LCS dup, rec	3/13/2018	Organic	Butyl benzyl phthalate	n/a	=	93	%	EPA 625	-88	-88	0.1	152	
2017/18-2	Lab	LCS, RPD	3/13/2018	Organic	Butyl benzyl phthalate	n/a	=	3	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/14/2018	Organic	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2017/18-2	Lab	LCS	3/14/2018	Organic	Butyl benzyl phthalate	n/a	=	27.5	µg/L	EPA 625	0.18	1			
2017/18-2	Lab	LCS, rec	3/14/2018	Organic	Butyl benzyl phthalate	n/a	=	110	%	EPA 625	-88	-88	0.1	152	
2017/18-2	Lab	LCS dup	3/15/2018	Organic	Butyl benzyl phthalate	n/a	=	26.7	µg/L	EPA 625	0.18	1			
2017/18-2	Lab	LCS dup, rec	3/15/2018	Organic	Butyl benzyl phthalate	n/a	=	107	%	EPA 625	-88	-88	0.1	152	
2017/18-2	Lab	LCS, RPD	3/15/2018	Organic	Butyl benzyl phthalate	n/a	=	3	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/12/2018	Organic	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2017/18-2	Lab	LCS	3/12/2018	Organic	Chrysene	n/a	=	23.6	µg/L	EPA 625	0.19	1			
2017/18-2	Lab	LCS, rec	3/12/2018	Organic	Chrysene	n/a	=	94	%	EPA 625	-88	-88	17	168	
2017/18-2	Lab	LCS dup	3/13/2018	Organic	Chrysene	n/a	=	24	µg/L	EPA 625	0.19	1			
2017/18-2	Lab	LCS dup, rec	3/13/2018	Organic	Chrysene	n/a	=	96	%	EPA 625	-88	-88	17	168	
2017/18-2	Lab	LCS, RPD	3/13/2018	Organic	Chrysene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/14/2018	Organic	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2017/18-2	Lab	LCS	3/14/2018	Organic	Chrysene	n/a	=	27.4	µg/L	EPA 625	0.19	1			
2017/18-2	Lab	LCS, rec	3/14/2018	Organic	Chrysene	n/a	=	109	%	EPA 625	-88	-88	17	168	
2017/18-2	Lab	LCS dup	3/15/2018	Organic	Chrysene	n/a	=	26.8	µg/L	EPA 625	0.19	1			
2017/18-2	Lab	LCS dup, rec	3/15/2018	Organic	Chrysene	n/a	=	107	%	EPA 625	-88	-88	17	168	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-2	Lab	LCS, RPD	3/15/2018	Organic	Chrysene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/19/2018	Organic	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-2	Lab	LCS	3/19/2018	Organic	Chrysene	n/a	=	7.97	µg/L	EPA 8270C	0.1	0.1			
2017/18-2	Lab	LCS, rec	3/19/2018	Organic	Chrysene	n/a	=	80	%	EPA 8270C	-88	-88	32	126	
2017/18-2	Lab	LCS dup	3/19/2018	Organic	Chrysene	n/a	=	7.94	µg/L	EPA 8270C	0.1	0.1			
2017/18-2	Lab	LCS dup, rec	3/19/2018	Organic	Chrysene	n/a	=	79	%	EPA 8270C	-88	-88	32	126	
2017/18-2	Lab	LCS, RPD	3/19/2018	Organic	Chrysene	n/a	=	0.5	%	EPA 8270C	-88	-88	0	30	
2017/18-2	Lab	method blank	3/12/2018	Organic	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2			
2017/18-2	Lab	LCS	3/12/2018	Organic	Dibenz(a,h)anthracene	n/a	=	16.4	µg/L	EPA 625	0.08	2			
2017/18-2	Lab	LCS, rec	3/12/2018	Organic	Dibenz(a,h)anthracene	n/a	=	66	%	EPA 625	-88	-88	0.1	227	
2017/18-2	Lab	LCS dup	3/13/2018	Organic	Dibenz(a,h)anthracene	n/a	=	16.3	µg/L	EPA 625	0.08	2			
2017/18-2	Lab	LCS dup, rec	3/13/2018	Organic	Dibenz(a,h)anthracene	n/a	=	65	%	EPA 625	-88	-88	0.1	227	
2017/18-2	Lab	LCS, RPD	3/13/2018	Organic	Dibenz(a,h)anthracene	n/a	=	1	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/14/2018	Organic	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2			
2017/18-2	Lab	LCS	3/14/2018	Organic	Dibenz(a,h)anthracene	n/a	=	21.3	µg/L	EPA 625	0.08	2			
2017/18-2	Lab	LCS, rec	3/14/2018	Organic	Dibenz(a,h)anthracene	n/a	=	85	%	EPA 625	-88	-88	0.1	227	
2017/18-2	Lab	LCS dup	3/15/2018	Organic	Dibenz(a,h)anthracene	n/a	=	19.6	µg/L	EPA 625	0.08	2			
2017/18-2	Lab	LCS dup, rec	3/15/2018	Organic	Dibenz(a,h)anthracene	n/a	=	78	%	EPA 625	-88	-88	0.1	227	
2017/18-2	Lab	LCS, RPD	3/15/2018	Organic	Dibenz(a,h)anthracene	n/a	=	8	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/19/2018	Organic	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-2	Lab	LCS	3/19/2018	Organic	Dibenz(a,h)anthracene	n/a	=	7.6	µg/L	EPA 8270C	0.1	0.1			
2017/18-2	Lab	LCS, rec	3/19/2018	Organic	Dibenz(a,h)anthracene	n/a	=	76	%	EPA 8270C	-88	-88	9	147	
2017/18-2	Lab	LCS dup	3/19/2018	Organic	Dibenz(a,h)anthracene	n/a	=	7.58	µg/L	EPA 8270C	0.1	0.1			
2017/18-2	Lab	LCS dup, rec	3/19/2018	Organic	Dibenz(a,h)anthracene	n/a	=	76	%	EPA 8270C	-88	-88	9	147	
2017/18-2	Lab	LCS, RPD	3/19/2018	Organic	Dibenz(a,h)anthracene	n/a	=	0.2	%	EPA 8270C	-88	-88	0	30	
2017/18-2	Lab	method blank	3/12/2018	Organic	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1			
2017/18-2	Lab	LCS	3/12/2018	Organic	Diethyl phthalate	n/a	=	20.3	µg/L	EPA 625	0.15	1			
2017/18-2	Lab	LCS, rec	3/12/2018	Organic	Diethyl phthalate	n/a	=	81	%	EPA 625	-88	-88	0.1	114	
2017/18-2	Lab	LCS dup	3/13/2018	Organic	Diethyl phthalate	n/a	=	19.9	µg/L	EPA 625	0.15	1			
2017/18-2	Lab	LCS dup, rec	3/13/2018	Organic	Diethyl phthalate	n/a	=	80	%	EPA 625	-88	-88	0.1	114	
2017/18-2	Lab	LCS, RPD	3/13/2018	Organic	Diethyl phthalate	n/a	=	2	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/14/2018	Organic	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1			
2017/18-2	Lab	LCS	3/14/2018	Organic	Diethyl phthalate	n/a	=	19.7	µg/L	EPA 625	0.15	1			
2017/18-2	Lab	LCS, rec	3/14/2018	Organic	Diethyl phthalate	n/a	=	79	%	EPA 625	-88	-88	0.1	114	
2017/18-2	Lab	LCS dup	3/15/2018	Organic	Diethyl phthalate	n/a	=	19.4	µg/L	EPA 625	0.15	1			
2017/18-2	Lab	LCS dup, rec	3/15/2018	Organic	Diethyl phthalate	n/a	=	77	%	EPA 625	-88	-88	0.1	114	
2017/18-2	Lab	LCS, RPD	3/15/2018	Organic	Diethyl phthalate	n/a	=	2	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/12/2018	Organic	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2017/18-2	Lab	LCS	3/12/2018	Organic	Dimethyl phthalate	n/a	=	20.3	µg/L	EPA 625	0.18	1			
2017/18-2	Lab	LCS, rec	3/12/2018	Organic	Dimethyl phthalate	n/a	=	81	%	EPA 625	-88	-88	0.1	112	
2017/18-2	Lab	LCS dup	3/13/2018	Organic	Dimethyl phthalate	n/a	=	19.8	µg/L	EPA 625	0.18	1			
2017/18-2	Lab	LCS dup, rec	3/13/2018	Organic	Dimethyl phthalate	n/a	=	79	%	EPA 625	-88	-88	0.1	112	
2017/18-2	Lab	LCS, RPD	3/13/2018	Organic	Dimethyl phthalate	n/a	=	2	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/14/2018	Organic	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2017/18-2	Lab	LCS	3/14/2018	Organic	Dimethyl phthalate	n/a	=	21.6	µg/L	EPA 625	0.18	1			
2017/18-2	Lab	LCS, rec	3/14/2018	Organic	Dimethyl phthalate	n/a	=	86	%	EPA 625	-88	-88	0.1	112	
2017/18-2	Lab	LCS dup	3/15/2018	Organic	Dimethyl phthalate	n/a	=	20.4	µg/L	EPA 625	0.18	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-2	Lab	LCS dup, rec	3/15/2018	Organic	Dimethyl phthalate	n/a	=	82	%	EPA 625	-88	-88	0.1	112	
2017/18-2	Lab	LCS, RPD	3/15/2018	Organic	Dimethyl phthalate	n/a	=	5	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/12/2018	Organic	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1			
2017/18-2	Lab	LCS	3/12/2018	Organic	Di-n-butylphthalate	n/a	=	23.6	µg/L	EPA 625	0.24	1			
2017/18-2	Lab	LCS, rec	3/12/2018	Organic	Di-n-butylphthalate	n/a	=	94	%	EPA 625	-88	-88	1	118	
2017/18-2	Lab	LCS dup	3/13/2018	Organic	Di-n-butylphthalate	n/a	=	24.5	µg/L	EPA 625	0.24	1			
2017/18-2	Lab	LCS dup, rec	3/13/2018	Organic	Di-n-butylphthalate	n/a	=	98	%	EPA 625	-88	-88	1	118	
2017/18-2	Lab	LCS, RPD	3/13/2018	Organic	Di-n-butylphthalate	n/a	=	4	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/14/2018	Organic	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1			
2017/18-2	Lab	LCS	3/14/2018	Organic	Di-n-butylphthalate	n/a	=	24.2	µg/L	EPA 625	0.24	1			
2017/18-2	Lab	LCS, rec	3/14/2018	Organic	Di-n-butylphthalate	n/a	=	97	%	EPA 625	-88	-88	1	118	
2017/18-2	Lab	LCS dup	3/15/2018	Organic	Di-n-butylphthalate	n/a	=	24.1	µg/L	EPA 625	0.24	1			
2017/18-2	Lab	LCS dup, rec	3/15/2018	Organic	Di-n-butylphthalate	n/a	=	96	%	EPA 625	-88	-88	1	118	
2017/18-2	Lab	LCS, RPD	3/15/2018	Organic	Di-n-butylphthalate	n/a	=	0.4	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/12/2018	Organic	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2017/18-2	Lab	LCS	3/12/2018	Organic	Di-n-octylphthalate	n/a	=	22	µg/L	EPA 625	0.19	1			
2017/18-2	Lab	LCS, rec	3/12/2018	Organic	Di-n-octylphthalate	n/a	=	88	%	EPA 625	-88	-88	4	146	
2017/18-2	Lab	LCS dup	3/13/2018	Organic	Di-n-octylphthalate	n/a	=	21.8	µg/L	EPA 625	0.19	1			
2017/18-2	Lab	LCS dup, rec	3/13/2018	Organic	Di-n-octylphthalate	n/a	=	87	%	EPA 625	-88	-88	4	146	
2017/18-2	Lab	LCS, RPD	3/13/2018	Organic	Di-n-octylphthalate	n/a	=	0.9	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/14/2018	Organic	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2017/18-2	Lab	LCS	3/14/2018	Organic	Di-n-octylphthalate	n/a	=	27.9	µg/L	EPA 625	0.19	1			
2017/18-2	Lab	LCS, rec	3/14/2018	Organic	Di-n-octylphthalate	n/a	=	112	%	EPA 625	-88	-88	4	146	
2017/18-2	Lab	LCS dup	3/15/2018	Organic	Di-n-octylphthalate	n/a	=	26.6	µg/L	EPA 625	0.19	1			
2017/18-2	Lab	LCS dup, rec	3/15/2018	Organic	Di-n-octylphthalate	n/a	=	106	%	EPA 625	-88	-88	4	146	
2017/18-2	Lab	LCS, RPD	3/15/2018	Organic	Di-n-octylphthalate	n/a	=	5	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/12/2018	Organic	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2017/18-2	Lab	LCS	3/12/2018	Organic	Fluoranthene	n/a	=	23.8	µg/L	EPA 625	0.22	1			
2017/18-2	Lab	LCS, rec	3/12/2018	Organic	Fluoranthene	n/a	=	95	%	EPA 625	-88	-88	26	137	
2017/18-2	Lab	LCS dup	3/13/2018	Organic	Fluoranthene	n/a	=	23.4	µg/L	EPA 625	0.22	1			
2017/18-2	Lab	LCS dup, rec	3/13/2018	Organic	Fluoranthene	n/a	=	93	%	EPA 625	-88	-88	26	137	
2017/18-2	Lab	LCS, RPD	3/13/2018	Organic	Fluoranthene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/14/2018	Organic	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2017/18-2	Lab	LCS	3/14/2018	Organic	Fluoranthene	n/a	=	23.8	µg/L	EPA 625	0.22	1			
2017/18-2	Lab	LCS, rec	3/14/2018	Organic	Fluoranthene	n/a	=	95	%	EPA 625	-88	-88	26	137	
2017/18-2	Lab	LCS dup	3/15/2018	Organic	Fluoranthene	n/a	=	24.7	µg/L	EPA 625	0.22	1			
2017/18-2	Lab	LCS dup, rec	3/15/2018	Organic	Fluoranthene	n/a	=	99	%	EPA 625	-88	-88	26	137	
2017/18-2	Lab	LCS, RPD	3/15/2018	Organic	Fluoranthene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/19/2018	Organic	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-2	Lab	LCS	3/19/2018	Organic	Fluoranthene	n/a	=	7.85	µg/L	EPA 8270C	0.1	0.1			
2017/18-2	Lab	LCS, rec	3/19/2018	Organic	Fluoranthene	n/a	=	79	%	EPA 8270C	-88	-88	22	131	
2017/18-2	Lab	LCS dup	3/19/2018	Organic	Fluoranthene	n/a	=	7.65	µg/L	EPA 8270C	0.1	0.1			
2017/18-2	Lab	LCS dup, rec	3/19/2018	Organic	Fluoranthene	n/a	=	76	%	EPA 8270C	-88	-88	22	131	
2017/18-2	Lab	LCS, RPD	3/19/2018	Organic	Fluoranthene	n/a	=	3	%	EPA 8270C	-88	-88	0	30	
2017/18-2	Lab	method blank	3/12/2018	Organic	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1			
2017/18-2	Lab	LCS	3/12/2018	Organic	Fluorene	n/a	=	21.7	µg/L	EPA 625	0.35	1			
2017/18-2	Lab	LCS, rec	3/12/2018	Organic	Fluorene	n/a	=	87	%	EPA 625	-88	-88	59	121	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-2	Lab	LCS dup	3/13/2018	Organic	Fluorene	n/a	=	20.7	µg/L	EPA 625	0.35	1			
2017/18-2	Lab	LCS dup, rec	3/13/2018	Organic	Fluorene	n/a	=	83	%	EPA 625	-88	-88	59	121	
2017/18-2	Lab	LCS, RPD	3/13/2018	Organic	Fluorene	n/a	=	5	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/14/2018	Organic	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1			
2017/18-2	Lab	LCS	3/14/2018	Organic	Fluorene	n/a	=	20.3	µg/L	EPA 625	0.35	1			
2017/18-2	Lab	LCS, rec	3/14/2018	Organic	Fluorene	n/a	=	81	%	EPA 625	-88	-88	59	121	
2017/18-2	Lab	LCS dup	3/15/2018	Organic	Fluorene	n/a	=	19.4	µg/L	EPA 625	0.35	1			
2017/18-2	Lab	LCS dup, rec	3/15/2018	Organic	Fluorene	n/a	=	78	%	EPA 625	-88	-88	59	121	
2017/18-2	Lab	LCS, RPD	3/15/2018	Organic	Fluorene	n/a	=	5	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/19/2018	Organic	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-2	Lab	LCS	3/19/2018	Organic	Fluorene	n/a	=	7.42	µg/L	EPA 8270C	0.1	0.1			
2017/18-2	Lab	LCS, rec	3/19/2018	Organic	Fluorene	n/a	=	74	%	EPA 8270C	-88	-88	19	122	
2017/18-2	Lab	LCS dup	3/19/2018	Organic	Fluorene	n/a	=	6.93	µg/L	EPA 8270C	0.1	0.1			
2017/18-2	Lab	LCS dup, rec	3/19/2018	Organic	Fluorene	n/a	=	69	%	EPA 8270C	-88	-88	19	122	
2017/18-2	Lab	LCS, RPD	3/19/2018	Organic	Fluorene	n/a	=	7	%	EPA 8270C	-88	-88	0	30	
2017/18-2	Lab	method blank	3/12/2018	Organic	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1			
2017/18-2	Lab	LCS	3/12/2018	Organic	Hexachlorobenzene	n/a	=	20.9	µg/L	EPA 625	0.49	1			
2017/18-2	Lab	LCS, rec	3/12/2018	Organic	Hexachlorobenzene	n/a	=	84	%	EPA 625	-88	-88	0.1	152	
2017/18-2	Lab	LCS dup	3/13/2018	Organic	Hexachlorobenzene	n/a	=	20.4	µg/L	EPA 625	0.49	1			
2017/18-2	Lab	LCS dup, rec	3/13/2018	Organic	Hexachlorobenzene	n/a	=	82	%	EPA 625	-88	-88	0.1	152	
2017/18-2	Lab	LCS, RPD	3/13/2018	Organic	Hexachlorobenzene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/14/2018	Organic	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1			
2017/18-2	Lab	LCS	3/14/2018	Organic	Hexachlorobenzene	n/a	=	19.9	µg/L	EPA 625	0.49	1			
2017/18-2	Lab	LCS, rec	3/14/2018	Organic	Hexachlorobenzene	n/a	=	80	%	EPA 625	-88	-88	0.1	152	
2017/18-2	Lab	LCS dup	3/15/2018	Organic	Hexachlorobenzene	n/a	=	19.7	µg/L	EPA 625	0.49	1			
2017/18-2	Lab	LCS dup, rec	3/15/2018	Organic	Hexachlorobenzene	n/a	=	79	%	EPA 625	-88	-88	0.1	152	
2017/18-2	Lab	LCS, RPD	3/15/2018	Organic	Hexachlorobenzene	n/a	=	1	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/12/2018	Organic	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1			
2017/18-2	Lab	LCS	3/12/2018	Organic	Hexachlorobutadiene	n/a	=	17	µg/L	EPA 625	0.47	1			
2017/18-2	Lab	LCS, rec	3/12/2018	Organic	Hexachlorobutadiene	n/a	=	68	%	EPA 625	-88	-88	24	116	
2017/18-2	Lab	LCS dup	3/13/2018	Organic	Hexachlorobutadiene	n/a	=	17.5	µg/L	EPA 625	0.47	1			
2017/18-2	Lab	LCS dup, rec	3/13/2018	Organic	Hexachlorobutadiene	n/a	=	70	%	EPA 625	-88	-88	24	116	
2017/18-2	Lab	LCS, RPD	3/13/2018	Organic	Hexachlorobutadiene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/14/2018	Organic	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1			
2017/18-2	Lab	LCS	3/14/2018	Organic	Hexachlorobutadiene	n/a	=	20.6	µg/L	EPA 625	0.47	1			
2017/18-2	Lab	LCS, rec	3/14/2018	Organic	Hexachlorobutadiene	n/a	=	82	%	EPA 625	-88	-88	24	116	
2017/18-2	Lab	LCS dup	3/15/2018	Organic	Hexachlorobutadiene	n/a	=	18.7	µg/L	EPA 625	0.47	1			
2017/18-2	Lab	LCS dup, rec	3/15/2018	Organic	Hexachlorobutadiene	n/a	=	75	%	EPA 625	-88	-88	24	116	
2017/18-2	Lab	LCS, RPD	3/15/2018	Organic	Hexachlorobutadiene	n/a	=	10	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/12/2018	Organic	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5			
2017/18-2	Lab	LCS	3/12/2018	Organic	Hexachlorocyclopentadiene	n/a	=	8.49	µg/L	EPA 625	1.5	5			
2017/18-2	Lab	LCS, rec	3/12/2018	Organic	Hexachlorocyclopentadiene	n/a	=	34	%	EPA 625	-88	-88	0.1	81	
2017/18-2	Lab	LCS dup	3/13/2018	Organic	Hexachlorocyclopentadiene	n/a	=	8.97	µg/L	EPA 625	1.5	5			
2017/18-2	Lab	LCS dup, rec	3/13/2018	Organic	Hexachlorocyclopentadiene	n/a	=	36	%	EPA 625	-88	-88	0.1	81	
2017/18-2	Lab	LCS, RPD	3/13/2018	Organic	Hexachlorocyclopentadiene	n/a	=	5	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/14/2018	Organic	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5			
2017/18-2	Lab	LCS	3/14/2018	Organic	Hexachlorocyclopentadiene	n/a	=	12.1	µg/L	EPA 625	1.5	5			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-2	Lab	LCS, rec	3/14/2018	Organic	Hexachlorocyclopentadiene	n/a	=	48	%	EPA 625	-88	-88	0.1	81	
2017/18-2	Lab	LCS dup	3/15/2018	Organic	Hexachlorocyclopentadiene	n/a	=	11.1	µg/L	EPA 625	1.5	5			
2017/18-2	Lab	LCS dup, rec	3/15/2018	Organic	Hexachlorocyclopentadiene	n/a	=	44	%	EPA 625	-88	-88	0.1	81	
2017/18-2	Lab	LCS, RPD	3/15/2018	Organic	Hexachlorocyclopentadiene	n/a	=	8	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/12/2018	Organic	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1			
2017/18-2	Lab	LCS	3/12/2018	Organic	Hexachloroethane	n/a	=	16.8	µg/L	EPA 625	0.52	1			
2017/18-2	Lab	LCS, rec	3/12/2018	Organic	Hexachloroethane	n/a	=	67	%	EPA 625	-88	-88	40	113	
2017/18-2	Lab	LCS dup	3/13/2018	Organic	Hexachloroethane	n/a	=	16.9	µg/L	EPA 625	0.52	1			
2017/18-2	Lab	LCS dup, rec	3/13/2018	Organic	Hexachloroethane	n/a	=	68	%	EPA 625	-88	-88	40	113	
2017/18-2	Lab	LCS, RPD	3/13/2018	Organic	Hexachloroethane	n/a	=	1	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/14/2018	Organic	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1			
2017/18-2	Lab	LCS	3/14/2018	Organic	Hexachloroethane	n/a	=	18.9	µg/L	EPA 625	0.52	1			
2017/18-2	Lab	LCS, rec	3/14/2018	Organic	Hexachloroethane	n/a	=	76	%	EPA 625	-88	-88	40	113	
2017/18-2	Lab	LCS dup	3/15/2018	Organic	Hexachloroethane	n/a	=	17.2	µg/L	EPA 625	0.52	1			
2017/18-2	Lab	LCS dup, rec	3/15/2018	Organic	Hexachloroethane	n/a	=	69	%	EPA 625	-88	-88	40	113	
2017/18-2	Lab	LCS, RPD	3/15/2018	Organic	Hexachloroethane	n/a	=	10	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/12/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2			
2017/18-2	Lab	LCS	3/12/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	16.4	µg/L	EPA 625	0.12	2			
2017/18-2	Lab	LCS, rec	3/12/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	66	%	EPA 625	-88	-88	0.1	171	
2017/18-2	Lab	LCS dup	3/13/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	16.1	µg/L	EPA 625	0.12	2			
2017/18-2	Lab	LCS dup, rec	3/13/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	64	%	EPA 625	-88	-88	0.1	171	
2017/18-2	Lab	LCS, RPD	3/13/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/14/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2			
2017/18-2	Lab	LCS	3/14/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	20.4	µg/L	EPA 625	0.12	2			
2017/18-2	Lab	LCS, rec	3/14/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	82	%	EPA 625	-88	-88	0.1	171	
2017/18-2	Lab	LCS dup	3/15/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	19.1	µg/L	EPA 625	0.12	2			
2017/18-2	Lab	LCS dup, rec	3/15/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	76	%	EPA 625	-88	-88	0.1	171	
2017/18-2	Lab	LCS, RPD	3/15/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	7	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/19/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-2	Lab	LCS	3/19/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	6.79	µg/L	EPA 8270C	0.1	0.1			
2017/18-2	Lab	LCS, rec	3/19/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	68	%	EPA 8270C	-88	-88	12	136	
2017/18-2	Lab	LCS dup	3/19/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	6.81	µg/L	EPA 8270C	0.1	0.1			
2017/18-2	Lab	LCS dup, rec	3/19/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	68	%	EPA 8270C	-88	-88	12	136	
2017/18-2	Lab	LCS, RPD	3/19/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	0.2	%	EPA 8270C	-88	-88	0	30	
2017/18-2	Lab	method blank	3/12/2018	Organic	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1			
2017/18-2	Lab	LCS	3/12/2018	Organic	Isophorone	n/a	=	19.3	µg/L	EPA 625	0.21	1			
2017/18-2	Lab	LCS, rec	3/12/2018	Organic	Isophorone	n/a	=	77	%	EPA 625	-88	-88	21	196	
2017/18-2	Lab	LCS dup	3/13/2018	Organic	Isophorone	n/a	=	16.1	µg/L	EPA 625	0.21	1			
2017/18-2	Lab	LCS dup, rec	3/13/2018	Organic	Isophorone	n/a	=	64	%	EPA 625	-88	-88	21	196	
2017/18-2	Lab	LCS, RPD	3/13/2018	Organic	Isophorone	n/a	=	18	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/14/2018	Organic	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1			
2017/18-2	Lab	LCS	3/14/2018	Organic	Isophorone	n/a	=	17.5	µg/L	EPA 625	0.21	1			
2017/18-2	Lab	LCS, rec	3/14/2018	Organic	Isophorone	n/a	=	70	%	EPA 625	-88	-88	21	196	
2017/18-2	Lab	LCS dup	3/15/2018	Organic	Isophorone	n/a	=	16.3	µg/L	EPA 625	0.21	1			
2017/18-2	Lab	LCS dup, rec	3/15/2018	Organic	Isophorone	n/a	=	65	%	EPA 625	-88	-88	21	196	
2017/18-2	Lab	LCS, RPD	3/15/2018	Organic	Isophorone	n/a	=	7	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	LCS	3/5/2018	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	47	µg/L	EPA 624	0.25	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-2	Lab	LCS, rec	3/5/2018	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	94	%	EPA 624	-88	-88	80	128	
2017/18-2	Lab	LCS dup	3/5/2018	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	46.6	µg/L	EPA 624	0.25	1			
2017/18-2	Lab	LCS dup, rec	3/5/2018	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	93	%	EPA 624	-88	-88	80	128	
2017/18-2	Lab	LCS, RPD	3/5/2018	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	0.9	%	EPA 624	-88	-88	0	25	
2017/18-2	Lab	method blank	3/5/2018	Organic	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1			
2017/18-2	Lab	LCS	3/7/2018	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	48.2	µg/L	EPA 624	0.25	1			
2017/18-2	Lab	LCS, rec	3/7/2018	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	96	%	EPA 624	-88	-88	80	128	
2017/18-2	Lab	LCS dup	3/7/2018	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	49	µg/L	EPA 624	0.25	1			
2017/18-2	Lab	LCS dup, rec	3/7/2018	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	98	%	EPA 624	-88	-88	80	128	
2017/18-2	Lab	LCS, RPD	3/7/2018	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	2	%	EPA 624	-88	-88	0	25	
2017/18-2	Lab	method blank	3/7/2018	Organic	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1			
2017/18-2	ME-SCR	matrix spike	3/6/2018	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	46.2	µg/L	EPA 624	0.25	1			
2017/18-2	ME-SCR	matrix spike, rec	3/6/2018	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	92	%	EPA 624	-88	-88	80	128	
2017/18-2	ME-SCR	matrix spike dup	3/6/2018	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	45.5	µg/L	EPA 624	0.25	1			
2017/18-2	ME-SCR	matrix spike dup, rec	3/6/2018	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	91	%	EPA 624	-88	-88	80	128	
2017/18-2	ME-SCR	matrix spike, RPD	3/6/2018	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	1	%	EPA 624	-88	-88	0	25	
2017/18-2	MO-CAM	field duplicate	3/5/2018	Organic	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1			
2017/18-2	MO-THO	field blank	3/5/2018	Organic	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1			
2017/18-2	Lab	method blank	3/12/2018	Organic	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1			
2017/18-2	Lab	LCS	3/12/2018	Organic	Naphthalene	n/a	=	19.3	µg/L	EPA 625	0.49	1			
2017/18-2	Lab	LCS, rec	3/12/2018	Organic	Naphthalene	n/a	=	77	%	EPA 625	-88	-88	21	133	
2017/18-2	Lab	LCS dup	3/13/2018	Organic	Naphthalene	n/a	=	19.4	µg/L	EPA 625	0.49	1			
2017/18-2	Lab	LCS dup, rec	3/13/2018	Organic	Naphthalene	n/a	=	77	%	EPA 625	-88	-88	21	133	
2017/18-2	Lab	LCS, RPD	3/13/2018	Organic	Naphthalene	n/a	=	0.6	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/14/2018	Organic	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1			
2017/18-2	Lab	LCS	3/14/2018	Organic	Naphthalene	n/a	=	22.2	µg/L	EPA 625	0.49	1			
2017/18-2	Lab	LCS, rec	3/14/2018	Organic	Naphthalene	n/a	=	89	%	EPA 625	-88	-88	21	133	
2017/18-2	Lab	LCS dup	3/15/2018	Organic	Naphthalene	n/a	=	20.7	µg/L	EPA 625	0.49	1			
2017/18-2	Lab	LCS dup, rec	3/15/2018	Organic	Naphthalene	n/a	=	83	%	EPA 625	-88	-88	21	133	
2017/18-2	Lab	LCS, RPD	3/15/2018	Organic	Naphthalene	n/a	=	7	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/19/2018	Organic	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-2	Lab	LCS	3/19/2018	Organic	Naphthalene	n/a	=	7.22	µg/L	EPA 8270C	0.1	0.1			
2017/18-2	Lab	LCS, rec	3/19/2018	Organic	Naphthalene	n/a	=	72	%	EPA 8270C	-88	-88	12	136	
2017/18-2	Lab	LCS dup	3/19/2018	Organic	Naphthalene	n/a	=	6.79	µg/L	EPA 8270C	0.1	0.1			
2017/18-2	Lab	LCS dup, rec	3/19/2018	Organic	Naphthalene	n/a	=	68	%	EPA 8270C	-88	-88	12	136	
2017/18-2	Lab	LCS, RPD	3/19/2018	Organic	Naphthalene	n/a	=	6	%	EPA 8270C	-88	-88	0	30	
2017/18-2	Lab	method blank	3/12/2018	Organic	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2017/18-2	Lab	LCS	3/12/2018	Organic	Nitrobenzene	n/a	=	17.8	µg/L	EPA 625	0.36	1			
2017/18-2	Lab	LCS, rec	3/12/2018	Organic	Nitrobenzene	n/a	=	71	%	EPA 625	-88	-88	35	180	
2017/18-2	Lab	LCS dup	3/13/2018	Organic	Nitrobenzene	n/a	=	17.1	µg/L	EPA 625	0.36	1			
2017/18-2	Lab	LCS dup, rec	3/13/2018	Organic	Nitrobenzene	n/a	=	68	%	EPA 625	-88	-88	35	180	
2017/18-2	Lab	LCS, RPD	3/13/2018	Organic	Nitrobenzene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/14/2018	Organic	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2017/18-2	Lab	LCS	3/14/2018	Organic	Nitrobenzene	n/a	=	18.2	µg/L	EPA 625	0.36	1			
2017/18-2	Lab	LCS, rec	3/14/2018	Organic	Nitrobenzene	n/a	=	73	%	EPA 625	-88	-88	35	180	
2017/18-2	Lab	LCS dup	3/15/2018	Organic	Nitrobenzene	n/a	=	16.4	µg/L	EPA 625	0.36	1			
2017/18-2	Lab	LCS dup, rec	3/15/2018	Organic	Nitrobenzene	n/a	=	66	%	EPA 625	-88	-88	35	180	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-2	Lab	LCS, RPD	3/15/2018	Organic	Nitrobenzene	n/a	=	10	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	srgt method blank	3/12/2018	Organic	Nitrobenzene-d5	n/a	=	19	µg/L	EPA 625	-88	-88			
2017/18-2	Lab	srgt method blank, rec	3/12/2018	Organic	Nitrobenzene-d5	n/a	=	76	%	EPA 625	-88	-88	27	111	
2017/18-2	Lab	srgt LCS	3/12/2018	Organic	Nitrobenzene-d5	n/a	=	19.5	µg/L	EPA 625	-88	-88			
2017/18-2	Lab	srgt LCS, rec	3/12/2018	Organic	Nitrobenzene-d5	n/a	=	78	%	EPA 625	-88	-88	27	111	
2017/18-2	Lab	srgt LCS dup	3/13/2018	Organic	Nitrobenzene-d5	n/a	=	18.7	µg/L	EPA 625	-88	-88			
2017/18-2	Lab	srgt LCS dup, rec	3/13/2018	Organic	Nitrobenzene-d5	n/a	=	75	%	EPA 625	-88	-88	27	111	
2017/18-2	Lab	srgt method blank	3/14/2018	Organic	Nitrobenzene-d5	n/a	=	21.1	µg/L	EPA 625	-88	-88			
2017/18-2	Lab	srgt method blank, rec	3/14/2018	Organic	Nitrobenzene-d5	n/a	=	84	%	EPA 625	-88	-88	27	111	
2017/18-2	Lab	srgt LCS	3/14/2018	Organic	Nitrobenzene-d5	n/a	=	20.5	µg/L	EPA 625	-88	-88			
2017/18-2	Lab	srgt LCS, rec	3/14/2018	Organic	Nitrobenzene-d5	n/a	=	82	%	EPA 625	-88	-88	27	111	
2017/18-2	Lab	srgt LCS dup	3/15/2018	Organic	Nitrobenzene-d5	n/a	=	18.2	µg/L	EPA 625	-88	-88			
2017/18-2	Lab	srgt LCS dup, rec	3/15/2018	Organic	Nitrobenzene-d5	n/a	=	73	%	EPA 625	-88	-88	27	111	
2017/18-2	Lab	srgt method blank	3/19/2018	Organic	Nitrobenzene-d5	n/a	=	3.24	µg/L	EPA 8270C	-88	-88			
2017/18-2	Lab	srgt method blank, rec	3/19/2018	Organic	Nitrobenzene-d5	n/a	=	65	%	EPA 8270C	-88	-88	51	143	
2017/18-2	Lab	srgt LCS	3/19/2018	Organic	Nitrobenzene-d5	n/a	=	3.36	µg/L	EPA 8270C	-88	-88			
2017/18-2	Lab	srgt LCS, rec	3/19/2018	Organic	Nitrobenzene-d5	n/a	=	67	%	EPA 8270C	-88	-88	51	143	
2017/18-2	Lab	srgt LCS dup	3/19/2018	Organic	Nitrobenzene-d5	n/a	=	3.14	µg/L	EPA 8270C	-88	-88			
2017/18-2	Lab	srgt LCS dup, rec	3/19/2018	Organic	Nitrobenzene-d5	n/a	=	63	%	EPA 8270C	-88	-88	51	143	
2017/18-2	ME-CC	srgt environ	3/15/2018	Organic	Nitrobenzene-d5	n/a	=	17	µg/L	EPA 625	-88	-88			
2017/18-2	ME-CC	srgt environ, rec	3/15/2018	Organic	Nitrobenzene-d5	n/a	=	68	%	EPA 625	-88	-88	27	111	
2017/18-2	ME-CC	srgt environ	3/20/2018	Organic	Nitrobenzene-d5	n/a	=	2.56	µg/L	EPA 8270C	-88	-88			
2017/18-2	ME-CC	srgt environ, rec	3/20/2018	Organic	Nitrobenzene-d5	n/a	=	51	%	EPA 8270C	-88	-88	51	143	
2017/18-2	ME-SCR	srgt environ	3/15/2018	Organic	Nitrobenzene-d5	n/a	=	12.1	µg/L	EPA 625	-88	-88			
2017/18-2	ME-SCR	srgt environ, rec	3/15/2018	Organic	Nitrobenzene-d5	n/a	=	48	%	EPA 625	-88	-88	27	111	
2017/18-2	ME-SCR	srgt environ	3/20/2018	Organic	Nitrobenzene-d5	n/a	=	2.47	µg/L	EPA 8270C	-88	-88			GN
2017/18-2	ME-SCR	srgt environ, rec	3/20/2018	Organic	Nitrobenzene-d5	n/a	=	49	%	EPA 8270C	-88	-88	51	143	GN
2017/18-2	ME-VR2	srgt environ	3/15/2018	Organic	Nitrobenzene-d5	n/a	=	15	µg/L	EPA 625	-88	-88			
2017/18-2	ME-VR2	srgt environ, rec	3/15/2018	Organic	Nitrobenzene-d5	n/a	=	60	%	EPA 625	-88	-88	27	111	
2017/18-2	ME-VR2	srgt environ	3/20/2018	Organic	Nitrobenzene-d5	n/a	=	2.42	µg/L	EPA 8270C	-88	-88			GN
2017/18-2	ME-VR2	srgt environ, rec	3/20/2018	Organic	Nitrobenzene-d5	n/a	=	48	%	EPA 8270C	-88	-88	51	143	GN
2017/18-2	MO-CAM	srgt environ	3/15/2018	Organic	Nitrobenzene-d5	n/a	=	16.7	µg/L	EPA 625	-88	-88			
2017/18-2	MO-CAM	srgt environ, rec	3/15/2018	Organic	Nitrobenzene-d5	n/a	=	67	%	EPA 625	-88	-88	27	111	
2017/18-2	MO-CAM	srgt environ	3/20/2018	Organic	Nitrobenzene-d5	n/a	=	2.46	µg/L	EPA 8270C	-88	-88			GN
2017/18-2	MO-CAM	srgt environ, rec	3/20/2018	Organic	Nitrobenzene-d5	n/a	=	49	%	EPA 8270C	-88	-88	51	143	GN
2017/18-2	MO-FIL	srgt environ	3/13/2018	Organic	Nitrobenzene-d5	n/a	=	16.7	µg/L	EPA 625	-88	-88			
2017/18-2	MO-FIL	srgt environ, rec	3/13/2018	Organic	Nitrobenzene-d5	n/a	=	67	%	EPA 625	-88	-88	27	111	
2017/18-2	MO-FIL	srgt environ	3/20/2018	Organic	Nitrobenzene-d5	n/a	=	2.81	µg/L	EPA 8270C	-88	-88			
2017/18-2	MO-FIL	srgt environ, rec	3/20/2018	Organic	Nitrobenzene-d5	n/a	=	56	%	EPA 8270C	-88	-88	51	143	
2017/18-2	MO-MEI	srgt environ	3/13/2018	Organic	Nitrobenzene-d5	n/a	=	16.4	µg/L	EPA 625	-88	-88			
2017/18-2	MO-MEI	srgt environ, rec	3/13/2018	Organic	Nitrobenzene-d5	n/a	=	66	%	EPA 625	-88	-88	27	111	
2017/18-2	MO-MEI	srgt environ	3/20/2018	Organic	Nitrobenzene-d5	n/a	=	2.61	µg/L	EPA 8270C	-88	-88			
2017/18-2	MO-MEI	srgt environ, rec	3/20/2018	Organic	Nitrobenzene-d5	n/a	=	52	%	EPA 8270C	-88	-88	51	143	
2017/18-2	MO-MPK	srgt environ	3/15/2018	Organic	Nitrobenzene-d5	n/a	=	18.9	µg/L	EPA 625	-88	-88			
2017/18-2	MO-MPK	srgt environ, rec	3/15/2018	Organic	Nitrobenzene-d5	n/a	=	76	%	EPA 625	-88	-88	27	111	
2017/18-2	MO-MPK	srgt environ	3/20/2018	Organic	Nitrobenzene-d5	n/a	=	2.75	µg/L	EPA 8270C	-88	-88			
2017/18-2	MO-MPK	srgt environ, rec	3/20/2018	Organic	Nitrobenzene-d5	n/a	=	55	%	EPA 8270C	-88	-88	51	143	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-2	MO-OJA	srgt environ	3/13/2018	Organic	Nitrobenzene-d5	n/a	=	16	µg/L	EPA 625	-88	-88			
2017/18-2	MO-OJA	srgt environ, rec	3/13/2018	Organic	Nitrobenzene-d5	n/a	=	64	%	EPA 625	-88	-88	27	111	
2017/18-2	MO-OJA	srgt environ	3/20/2018	Organic	Nitrobenzene-d5	n/a	=	2.44	µg/L	EPA 8270C	-88	-88			GN
2017/18-2	MO-OJA	srgt environ, rec	3/20/2018	Organic	Nitrobenzene-d5	n/a	=	49	%	EPA 8270C	-88	-88	51	143	GN
2017/18-2	MO-OXN	srgt environ	3/15/2018	Organic	Nitrobenzene-d5	n/a	=	18.6	µg/L	EPA 625	-88	-88			
2017/18-2	MO-OXN	srgt environ, rec	3/15/2018	Organic	Nitrobenzene-d5	n/a	=	74	%	EPA 625	-88	-88	27	111	
2017/18-2	MO-OXN	srgt environ	3/20/2018	Organic	Nitrobenzene-d5	n/a	=	2.81	µg/L	EPA 8270C	-88	-88			
2017/18-2	MO-OXN	srgt environ, rec	3/20/2018	Organic	Nitrobenzene-d5	n/a	=	56	%	EPA 8270C	-88	-88	51	143	
2017/18-2	MO-SIM	srgt environ	3/15/2018	Organic	Nitrobenzene-d5	n/a	=	17.5	µg/L	EPA 625	-88	-88			
2017/18-2	MO-SIM	srgt environ, rec	3/15/2018	Organic	Nitrobenzene-d5	n/a	=	70	%	EPA 625	-88	-88	27	111	
2017/18-2	MO-SIM	srgt environ	3/20/2018	Organic	Nitrobenzene-d5	n/a	=	2.84	µg/L	EPA 8270C	-88	-88			
2017/18-2	MO-SIM	srgt environ, rec	3/20/2018	Organic	Nitrobenzene-d5	n/a	=	57	%	EPA 8270C	-88	-88	51	143	
2017/18-2	MO-SPA	srgt environ	3/13/2018	Organic	Nitrobenzene-d5	n/a	=	17.3	µg/L	EPA 625	-88	-88			
2017/18-2	MO-SPA	srgt environ, rec	3/13/2018	Organic	Nitrobenzene-d5	n/a	=	69	%	EPA 625	-88	-88	27	111	
2017/18-2	MO-SPA	srgt environ	3/20/2018	Organic	Nitrobenzene-d5	n/a	=	2.78	µg/L	EPA 8270C	-88	-88			
2017/18-2	MO-SPA	srgt environ, rec	3/20/2018	Organic	Nitrobenzene-d5	n/a	=	56	%	EPA 8270C	-88	-88	51	143	
2017/18-2	MO-THO	srgt environ	3/15/2018	Organic	Nitrobenzene-d5	n/a	=	17	µg/L	EPA 625	-88	-88			
2017/18-2	MO-THO	srgt environ, rec	3/15/2018	Organic	Nitrobenzene-d5	n/a	=	68	%	EPA 625	-88	-88	27	111	
2017/18-2	MO-THO	srgt environ	3/20/2018	Organic	Nitrobenzene-d5	n/a	=	2.76	µg/L	EPA 8270C	-88	-88			
2017/18-2	MO-THO	srgt environ, rec	3/20/2018	Organic	Nitrobenzene-d5	n/a	=	55	%	EPA 8270C	-88	-88	51	143	
2017/18-2	MO-VEN	srgt environ	3/15/2018	Organic	Nitrobenzene-d5	n/a	=	18.6	µg/L	EPA 625	-88	-88			
2017/18-2	MO-VEN	srgt environ, rec	3/15/2018	Organic	Nitrobenzene-d5	n/a	=	74	%	EPA 625	-88	-88	27	111	
2017/18-2	MO-VEN	srgt environ	3/20/2018	Organic	Nitrobenzene-d5	n/a	=	2.69	µg/L	EPA 8270C	-88	-88			
2017/18-2	MO-VEN	srgt environ, rec	3/20/2018	Organic	Nitrobenzene-d5	n/a	=	54	%	EPA 8270C	-88	-88	51	143	
2017/18-2	Lab	method blank	3/12/2018	Organic	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1			
2017/18-2	Lab	LCS	3/12/2018	Organic	N-Nitrosodimethylamine	n/a	=	14.8	µg/L	EPA 625	0.14	1			
2017/18-2	Lab	LCS, rec	3/12/2018	Organic	N-Nitrosodimethylamine	n/a	=	59	%	EPA 625	-88	-88	20	83	
2017/18-2	Lab	LCS dup	3/13/2018	Organic	N-Nitrosodimethylamine	n/a	=	14.4	µg/L	EPA 625	0.14	1			
2017/18-2	Lab	LCS dup, rec	3/13/2018	Organic	N-Nitrosodimethylamine	n/a	=	58	%	EPA 625	-88	-88	20	83	
2017/18-2	Lab	LCS, RPD	3/13/2018	Organic	N-Nitrosodimethylamine	n/a	=	3	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/14/2018	Organic	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1			
2017/18-2	Lab	LCS	3/14/2018	Organic	N-Nitrosodimethylamine	n/a	=	13.3	µg/L	EPA 625	0.14	1			
2017/18-2	Lab	LCS, rec	3/14/2018	Organic	N-Nitrosodimethylamine	n/a	=	53	%	EPA 625	-88	-88	20	83	
2017/18-2	Lab	LCS dup	3/15/2018	Organic	N-Nitrosodimethylamine	n/a	=	11.8	µg/L	EPA 625	0.14	1			
2017/18-2	Lab	LCS dup, rec	3/15/2018	Organic	N-Nitrosodimethylamine	n/a	=	47	%	EPA 625	-88	-88	20	83	
2017/18-2	Lab	LCS, RPD	3/15/2018	Organic	N-Nitrosodimethylamine	n/a	=	12	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/12/2018	Organic	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2017/18-2	Lab	LCS	3/12/2018	Organic	N-Nitrosodi-N-propylamine	n/a	=	20.3	µg/L	EPA 625	0.26	1			
2017/18-2	Lab	LCS, rec	3/12/2018	Organic	N-Nitrosodi-N-propylamine	n/a	=	81	%	EPA 625	-88	-88	0.1	230	
2017/18-2	Lab	LCS dup	3/13/2018	Organic	N-Nitrosodi-N-propylamine	n/a	=	19.3	µg/L	EPA 625	0.26	1			
2017/18-2	Lab	LCS dup, rec	3/13/2018	Organic	N-Nitrosodi-N-propylamine	n/a	=	77	%	EPA 625	-88	-88	0.1	230	
2017/18-2	Lab	LCS, RPD	3/13/2018	Organic	N-Nitrosodi-N-propylamine	n/a	=	5	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/14/2018	Organic	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2017/18-2	Lab	LCS	3/14/2018	Organic	N-Nitrosodi-N-propylamine	n/a	=	20.7	µg/L	EPA 625	0.26	1			
2017/18-2	Lab	LCS, rec	3/14/2018	Organic	N-Nitrosodi-N-propylamine	n/a	=	83	%	EPA 625	-88	-88	0.1	230	
2017/18-2	Lab	LCS dup	3/15/2018	Organic	N-Nitrosodi-N-propylamine	n/a	=	18.7	µg/L	EPA 625	0.26	1			
2017/18-2	Lab	LCS dup, rec	3/15/2018	Organic	N-Nitrosodi-N-propylamine	n/a	=	75	%	EPA 625	-88	-88	0.1	230	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-2	Lab	LCS, RPD	3/15/2018	Organic	N-Nitrosodi-N-propylamine	n/a	=	10	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/12/2018	Organic	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2017/18-2	Lab	LCS	3/12/2018	Organic	N-Nitrosodiphenylamine	n/a	=	18	µg/L	EPA 625	0.19	1			
2017/18-2	Lab	LCS, rec	3/12/2018	Organic	N-Nitrosodiphenylamine	n/a	=	72	%	EPA 625	-88	-88	42	90	
2017/18-2	Lab	LCS dup	3/13/2018	Organic	N-Nitrosodiphenylamine	n/a	=	17.2	µg/L	EPA 625	0.19	1			
2017/18-2	Lab	LCS dup, rec	3/13/2018	Organic	N-Nitrosodiphenylamine	n/a	=	69	%	EPA 625	-88	-88	42	90	
2017/18-2	Lab	LCS, RPD	3/13/2018	Organic	N-Nitrosodiphenylamine	n/a	=	5	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/14/2018	Organic	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2017/18-2	Lab	LCS	3/14/2018	Organic	N-Nitrosodiphenylamine	n/a	=	16.4	µg/L	EPA 625	0.19	1			
2017/18-2	Lab	LCS, rec	3/14/2018	Organic	N-Nitrosodiphenylamine	n/a	=	66	%	EPA 625	-88	-88	42	90	
2017/18-2	Lab	LCS dup	3/15/2018	Organic	N-Nitrosodiphenylamine	n/a	=	16.2	µg/L	EPA 625	0.19	1			
2017/18-2	Lab	LCS dup, rec	3/15/2018	Organic	N-Nitrosodiphenylamine	n/a	=	65	%	EPA 625	-88	-88	42	90	
2017/18-2	Lab	LCS, RPD	3/15/2018	Organic	N-Nitrosodiphenylamine	n/a	=	2	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/19/2018	Organic	Perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-2	Lab	srgt method blank	3/19/2018	Organic	Perylene-d12	n/a	=	4.58	µg/L	EPA 525.2	-88	-88			
2017/18-2	Lab	srgt method blank, rec	3/19/2018	Organic	Perylene-d12	n/a	=	92	%	EPA 525.2	-88	-88	50	120	
2017/18-2	Lab	srgt LCS	3/19/2018	Organic	Perylene-d12	n/a	=	5.28	µg/L	EPA 525.2	-88	-88			
2017/18-2	Lab	srgt LCS, rec	3/19/2018	Organic	Perylene-d12	n/a	=	106	%	EPA 525.2	-88	-88	50	120	
2017/18-2	Lab	srgt LCS dup	3/19/2018	Organic	Perylene-d12	n/a	=	5.38	µg/L	EPA 525.2	-88	-88			
2017/18-2	Lab	srgt LCS dup, rec	3/19/2018	Organic	Perylene-d12	n/a	=	108	%	EPA 525.2	-88	-88	50	120	
2017/18-2	Lab	srgt method blank	3/20/2018	Organic	Perylene-d12	n/a	=	4.53	µg/L	EPA 525.2	-88	-88			
2017/18-2	Lab	srgt method blank, rec	3/20/2018	Organic	Perylene-d12	n/a	=	91	%	EPA 525.2	-88	-88	50	120	
2017/18-2	Lab	srgt LCS	3/20/2018	Organic	Perylene-d12	n/a	=	5.41	µg/L	EPA 525.2	-88	-88			
2017/18-2	Lab	srgt LCS, rec	3/20/2018	Organic	Perylene-d12	n/a	=	108	%	EPA 525.2	-88	-88	50	120	
2017/18-2	Lab	srgt LCS dup	3/20/2018	Organic	Perylene-d12	n/a	=	5.53	µg/L	EPA 525.2	-88	-88			
2017/18-2	Lab	srgt LCS dup, rec	3/20/2018	Organic	Perylene-d12	n/a	=	111	%	EPA 525.2	-88	-88	50	120	
2017/18-2	ME-CC	srgt environ	3/20/2018	Organic	Perylene-d12	n/a	=	15.3	µg/L	EPA 525.2	-88	-88			
2017/18-2	ME-CC	srgt environ, rec	3/20/2018	Organic	Perylene-d12	n/a	=	61	%	EPA 525.2	-88	-88	50	120	
2017/18-2	ME-SCR	srgt environ	3/20/2018	Organic	Perylene-d12	n/a	=	1.15	µg/L	EPA 525.2	-88	-88			GN
2017/18-2	ME-SCR	srgt environ, rec	3/20/2018	Organic	Perylene-d12	n/a	=	5	%	EPA 525.2	-88	-88	50	120	GN
2017/18-2	ME-VR2	srgt environ	3/20/2018	Organic	Perylene-d12	n/a	=	7.6	µg/L	EPA 525.2	-88	-88			GN
2017/18-2	ME-VR2	srgt environ, rec	3/20/2018	Organic	Perylene-d12	n/a	=	30	%	EPA 525.2	-88	-88	50	120	GN
2017/18-2	MO-CAM	srgt environ	3/20/2018	Organic	Perylene-d12	n/a	=	13.1	µg/L	EPA 525.2	-88	-88			
2017/18-2	MO-CAM	srgt environ, rec	3/20/2018	Organic	Perylene-d12	n/a	=	52	%	EPA 525.2	-88	-88	50	120	
2017/18-2	MO-FIL	srgt environ	3/19/2018	Organic	Perylene-d12	n/a	=	12.3	µg/L	EPA 525.2	-88	-88			GN
2017/18-2	MO-FIL	srgt environ, rec	3/19/2018	Organic	Perylene-d12	n/a	=	49	%	EPA 525.2	-88	-88	50	120	GN
2017/18-2	MO-MEI	srgt environ	3/19/2018	Organic	Perylene-d12	n/a	=	16.7	µg/L	EPA 525.2	-88	-88			
2017/18-2	MO-MEI	srgt environ, rec	3/19/2018	Organic	Perylene-d12	n/a	=	67	%	EPA 525.2	-88	-88	50	120	
2017/18-2	MO-MPK	srgt environ	3/20/2018	Organic	Perylene-d12	n/a	=	14.9	µg/L	EPA 525.2	-88	-88			
2017/18-2	MO-MPK	srgt environ, rec	3/20/2018	Organic	Perylene-d12	n/a	=	60	%	EPA 525.2	-88	-88	50	120	
2017/18-2	MO-OJA	srgt environ	3/19/2018	Organic	Perylene-d12	n/a	=	20.1	µg/L	EPA 525.2	-88	-88			
2017/18-2	MO-OJA	srgt environ, rec	3/19/2018	Organic	Perylene-d12	n/a	=	80	%	EPA 525.2	-88	-88	50	120	
2017/18-2	MO-oxn	srgt environ	3/20/2018	Organic	Perylene-d12	n/a	=	12.8	µg/L	EPA 525.2	-88	-88			
2017/18-2	MO-oxn	srgt environ, rec	3/20/2018	Organic	Perylene-d12	n/a	=	51	%	EPA 525.2	-88	-88	50	120	
2017/18-2	MO-SIM	srgt environ	3/20/2018	Organic	Perylene-d12	n/a	=	6.18	µg/L	EPA 525.2	-88	-88			GN
2017/18-2	MO-SIM	srgt environ, rec	3/20/2018	Organic	Perylene-d12	n/a	=	25	%	EPA 525.2	-88	-88	50	120	GN
2017/18-2	MO-SPA	srgt environ	3/19/2018	Organic	Perylene-d12	n/a	=	15.4	µg/L	EPA 525.2	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-2	MO-SPA	srgt environ, rec	3/19/2018	Organic	Perylene-d12	n/a	=	62	%	EPA 525.2	-88	-88	50	120	
2017/18-2	MO-THO	srgt environ	3/20/2018	Organic	Perylene-d12	n/a	=	11.5	µg/L	EPA 525.2	-88	-88			GN
2017/18-2	MO-THO	srgt environ, rec	3/20/2018	Organic	Perylene-d12	n/a	=	46	%	EPA 525.2	-88	-88	50	120	GN
2017/18-2	MO-VEN	srgt environ	3/20/2018	Organic	Perylene-d12	n/a	=	12.9	µg/L	EPA 525.2	-88	-88			
2017/18-2	MO-VEN	srgt environ, rec	3/20/2018	Organic	Perylene-d12	n/a	=	52	%	EPA 525.2	-88	-88	50	120	
2017/18-2	Lab	method blank	3/12/2018	Organic	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1			
2017/18-2	Lab	LCS	3/12/2018	Organic	Phenanthrene	n/a	=	24.3	µg/L	EPA 625	0.32	1			
2017/18-2	Lab	LCS, rec	3/12/2018	Organic	Phenanthrene	n/a	=	97	%	EPA 625	-88	-88	54	120	
2017/18-2	Lab	LCS dup	3/13/2018	Organic	Phenanthrene	n/a	=	23.5	µg/L	EPA 625	0.32	1			
2017/18-2	Lab	LCS dup, rec	3/13/2018	Organic	Phenanthrene	n/a	=	94	%	EPA 625	-88	-88	54	120	
2017/18-2	Lab	LCS, RPD	3/13/2018	Organic	Phenanthrene	n/a	=	3	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/14/2018	Organic	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1			
2017/18-2	Lab	LCS	3/14/2018	Organic	Phenanthrene	n/a	=	22.3	µg/L	EPA 625	0.32	1			
2017/18-2	Lab	LCS, rec	3/14/2018	Organic	Phenanthrene	n/a	=	89	%	EPA 625	-88	-88	54	120	
2017/18-2	Lab	LCS dup	3/15/2018	Organic	Phenanthrene	n/a	=	23.3	µg/L	EPA 625	0.32	1			
2017/18-2	Lab	LCS dup, rec	3/15/2018	Organic	Phenanthrene	n/a	=	93	%	EPA 625	-88	-88	54	120	
2017/18-2	Lab	LCS, RPD	3/15/2018	Organic	Phenanthrene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/19/2018	Organic	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-2	Lab	LCS	3/19/2018	Organic	Phenanthrene	n/a	=	7.5	µg/L	EPA 8270C	0.1	0.1			
2017/18-2	Lab	LCS, rec	3/19/2018	Organic	Phenanthrene	n/a	=	75	%	EPA 8270C	-88	-88	21	131	
2017/18-2	Lab	LCS dup	3/19/2018	Organic	Phenanthrene	n/a	=	7.06	µg/L	EPA 8270C	0.1	0.1			
2017/18-2	Lab	LCS dup, rec	3/19/2018	Organic	Phenanthrene	n/a	=	71	%	EPA 8270C	-88	-88	21	131	
2017/18-2	Lab	LCS, RPD	3/19/2018	Organic	Phenanthrene	n/a	=	6	%	EPA 8270C	-88	-88	0	30	
2017/18-2	Lab	method blank	3/12/2018	Organic	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1			
2017/18-2	Lab	LCS	3/12/2018	Organic	Phenol	n/a	=	7.5	µg/L	EPA 625	0.16	1			
2017/18-2	Lab	LCS, rec	3/12/2018	Organic	Phenol	n/a	=	30	%	EPA 625	-88	-88	5	112	
2017/18-2	Lab	LCS dup	3/13/2018	Organic	Phenol	n/a	=	7.67	µg/L	EPA 625	0.16	1			
2017/18-2	Lab	LCS dup, rec	3/13/2018	Organic	Phenol	n/a	=	31	%	EPA 625	-88	-88	5	112	
2017/18-2	Lab	LCS, RPD	3/13/2018	Organic	Phenol	n/a	=	2	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/14/2018	Organic	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1			
2017/18-2	Lab	LCS	3/14/2018	Organic	Phenol	n/a	=	7.74	µg/L	EPA 625	0.16	1			
2017/18-2	Lab	LCS, rec	3/14/2018	Organic	Phenol	n/a	=	31	%	EPA 625	-88	-88	5	112	
2017/18-2	Lab	LCS dup	3/15/2018	Organic	Phenol	n/a	=	6.86	µg/L	EPA 625	0.16	1			
2017/18-2	Lab	LCS dup, rec	3/15/2018	Organic	Phenol	n/a	=	27	%	EPA 625	-88	-88	5	112	
2017/18-2	Lab	LCS, RPD	3/15/2018	Organic	Phenol	n/a	=	12	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/26/2018	Organic	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1			
2017/18-2	Lab	LCS	3/26/2018	Organic	Phenol	n/a	=	2.13	µg/L	EPA 8270C	0.35	1			
2017/18-2	Lab	LCS, rec	3/26/2018	Organic	Phenol	n/a	=	21	%	EPA 8270C	-88	-88	6	43	
2017/18-2	Lab	LCS dup	3/26/2018	Organic	Phenol	n/a	=	1.97	µg/L	EPA 8270C	0.35	1			
2017/18-2	Lab	LCS dup, rec	3/26/2018	Organic	Phenol	n/a	=	20	%	EPA 8270C	-88	-88	6	43	
2017/18-2	Lab	LCS, RPD	3/26/2018	Organic	Phenol	n/a	=	8	%	EPA 8270C	-88	-88	0	30	
2017/18-2	Lab	srgt method blank	3/12/2018	Organic	Phenol-d5	n/a	=	16.9	µg/L	EPA 625	-88	-88			
2017/18-2	Lab	srgt method blank, rec	3/12/2018	Organic	Phenol-d5	n/a	=	34	%	EPA 625	-88	-88	0.1	53	
2017/18-2	Lab	srgt LCS	3/12/2018	Organic	Phenol-d5	n/a	=	16.9	µg/L	EPA 625	-88	-88			
2017/18-2	Lab	srgt LCS, rec	3/12/2018	Organic	Phenol-d5	n/a	=	34	%	EPA 625	-88	-88	0.1	53	
2017/18-2	Lab	srgt LCS dup	3/13/2018	Organic	Phenol-d5	n/a	=	16.7	µg/L	EPA 625	-88	-88			
2017/18-2	Lab	srgt LCS dup, rec	3/13/2018	Organic	Phenol-d5	n/a	=	33	%	EPA 625	-88	-88	0.1	53	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-2	Lab	srgt method blank	3/14/2018	Organic	Phenol-d5	n/a	=	18.3	µg/L	EPA 625	-88	-88			
2017/18-2	Lab	srgt method blank, rec	3/14/2018	Organic	Phenol-d5	n/a	=	37	%	EPA 625	-88	-88	0.1	53	
2017/18-2	Lab	srgt LCS	3/14/2018	Organic	Phenol-d5	n/a	=	17.3	µg/L	EPA 625	-88	-88			
2017/18-2	Lab	srgt LCS, rec	3/14/2018	Organic	Phenol-d5	n/a	=	35	%	EPA 625	-88	-88	0.1	53	
2017/18-2	Lab	srgt LCS dup	3/15/2018	Organic	Phenol-d5	n/a	=	15.2	µg/L	EPA 625	-88	-88			
2017/18-2	Lab	srgt LCS dup, rec	3/15/2018	Organic	Phenol-d5	n/a	=	30	%	EPA 625	-88	-88	0.1	53	
2017/18-2	Lab	srgt method blank	3/26/2018	Organic	Phenol-d5	n/a	=	1.78	µg/L	EPA 8270C	-88	-88			
2017/18-2	Lab	srgt method blank, rec	3/26/2018	Organic	Phenol-d5	n/a	=	18	%	EPA 8270C	-88	-88	5	46	
2017/18-2	Lab	srgt LCS	3/26/2018	Organic	Phenol-d5	n/a	=	1.88	µg/L	EPA 8270C	-88	-88			
2017/18-2	Lab	srgt LCS, rec	3/26/2018	Organic	Phenol-d5	n/a	=	19	%	EPA 8270C	-88	-88	5	46	
2017/18-2	Lab	srgt LCS dup	3/26/2018	Organic	Phenol-d5	n/a	=	1.65	µg/L	EPA 8270C	-88	-88			
2017/18-2	Lab	srgt LCS dup, rec	3/26/2018	Organic	Phenol-d5	n/a	=	16	%	EPA 8270C	-88	-88	5	46	
2017/18-2	ME-CC	srgt environ	3/15/2018	Organic	Phenol-d5	n/a	=	14.4	µg/L	EPA 625	-88	-88			
2017/18-2	ME-CC	srgt environ, rec	3/15/2018	Organic	Phenol-d5	n/a	=	29	%	EPA 625	-88	-88	0.1	53	
2017/18-2	ME-CC	srgt environ	3/26/2018	Organic	Phenol-d5	n/a	=	1.41	µg/L	EPA 8270C	-88	-88			
2017/18-2	ME-CC	srgt environ, rec	3/26/2018	Organic	Phenol-d5	n/a	=	14	%	EPA 8270C	-88	-88	5	46	
2017/18-2	ME-SCR	srgt environ	3/15/2018	Organic	Phenol-d5	n/a	=	7.41	µg/L	EPA 625	-88	-88			
2017/18-2	ME-SCR	srgt environ, rec	3/15/2018	Organic	Phenol-d5	n/a	=	15	%	EPA 625	-88	-88	0.1	53	
2017/18-2	ME-SCR	srgt environ	3/26/2018	Organic	Phenol-d5	n/a	=	0.897	µg/L	EPA 8270C	-88	-88			
2017/18-2	ME-SCR	srgt environ, rec	3/26/2018	Organic	Phenol-d5	n/a	=	9	%	EPA 8270C	-88	-88	5	46	
2017/18-2	ME-VR2	srgt environ	3/15/2018	Organic	Phenol-d5	n/a	=	13	µg/L	EPA 625	-88	-88			
2017/18-2	ME-VR2	srgt environ, rec	3/15/2018	Organic	Phenol-d5	n/a	=	26	%	EPA 625	-88	-88	0.1	53	
2017/18-2	ME-VR2	srgt environ	3/26/2018	Organic	Phenol-d5	n/a	=	1.47	µg/L	EPA 8270C	-88	-88			
2017/18-2	ME-VR2	srgt environ, rec	3/26/2018	Organic	Phenol-d5	n/a	=	15	%	EPA 8270C	-88	-88	5	46	
2017/18-2	MO-CAM	srgt environ	3/15/2018	Organic	Phenol-d5	n/a	=	14.8	µg/L	EPA 625	-88	-88			
2017/18-2	MO-CAM	srgt environ, rec	3/15/2018	Organic	Phenol-d5	n/a	=	30	%	EPA 625	-88	-88	0.1	53	
2017/18-2	MO-CAM	srgt environ	3/26/2018	Organic	Phenol-d5	n/a	<	0	µg/L	EPA 8270C	-88	-88			GN
2017/18-2	MO-CAM	srgt environ, rec	3/26/2018	Organic	Phenol-d5	n/a	=	0	%	EPA 8270C	-88	-88	5	46	GN
2017/18-2	MO-FIL	srgt environ	3/13/2018	Organic	Phenol-d5	n/a	=	14.5	µg/L	EPA 625	-88	-88			
2017/18-2	MO-FIL	srgt environ, rec	3/13/2018	Organic	Phenol-d5	n/a	=	29	%	EPA 625	-88	-88	0.1	53	
2017/18-2	MO-FIL	srgt environ	3/26/2018	Organic	Phenol-d5	n/a	=	0.728	µg/L	EPA 8270C	-88	-88			
2017/18-2	MO-FIL	srgt environ, rec	3/26/2018	Organic	Phenol-d5	n/a	=	7	%	EPA 8270C	-88	-88	5	46	
2017/18-2	MO-MEI	srgt environ	3/13/2018	Organic	Phenol-d5	n/a	=	12.6	µg/L	EPA 625	-88	-88			
2017/18-2	MO-MEI	srgt environ, rec	3/13/2018	Organic	Phenol-d5	n/a	=	25	%	EPA 625	-88	-88	0.1	53	
2017/18-2	MO-MEI	srgt environ	3/26/2018	Organic	Phenol-d5	n/a	=	0.708	µg/L	EPA 8270C	-88	-88			
2017/18-2	MO-MEI	srgt environ, rec	3/26/2018	Organic	Phenol-d5	n/a	=	7	%	EPA 8270C	-88	-88	5	46	
2017/18-2	MO-MPK	srgt environ	3/15/2018	Organic	Phenol-d5	n/a	=	15.3	µg/L	EPA 625	-88	-88			
2017/18-2	MO-MPK	srgt environ, rec	3/15/2018	Organic	Phenol-d5	n/a	=	31	%	EPA 625	-88	-88	0.1	53	
2017/18-2	MO-MPK	srgt environ	3/26/2018	Organic	Phenol-d5	n/a	=	1.55	µg/L	EPA 8270C	-88	-88			
2017/18-2	MO-MPK	srgt environ, rec	3/26/2018	Organic	Phenol-d5	n/a	=	15	%	EPA 8270C	-88	-88	5	46	
2017/18-2	MO-OJA	srgt environ	3/13/2018	Organic	Phenol-d5	n/a	=	14.4	µg/L	EPA 625	-88	-88			
2017/18-2	MO-OJA	srgt environ, rec	3/13/2018	Organic	Phenol-d5	n/a	=	29	%	EPA 625	-88	-88	0.1	53	
2017/18-2	MO-OJA	srgt environ	3/26/2018	Organic	Phenol-d5	n/a	=	0.423	µg/L	EPA 8270C	-88	-88			GN
2017/18-2	MO-OJA	srgt environ, rec	3/26/2018	Organic	Phenol-d5	n/a	=	4	%	EPA 8270C	-88	-88	5	46	GN
2017/18-2	MO-OXN	srgt environ	3/15/2018	Organic	Phenol-d5	n/a	=	16.1	µg/L	EPA 625	-88	-88			
2017/18-2	MO-OXN	srgt environ, rec	3/15/2018	Organic	Phenol-d5	n/a	=	32	%	EPA 625	-88	-88	0.1	53	
2017/18-2	MO-OXN	srgt environ	3/26/2018	Organic	Phenol-d5	n/a	=	0.0539	µg/L	EPA 8270C	-88	-88			GN

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-2	MO-OXN	srgt environ, rec	3/26/2018	Organic	Phenol-d5	n/a	=	0.5	%	EPA 8270C	-88	-88	5	46	GN
2017/18-2	MO-SIM	srgt environ	3/15/2018	Organic	Phenol-d5	n/a	=	11.2	µg/L	EPA 625	-88	-88			
2017/18-2	MO-SIM	srgt environ, rec	3/15/2018	Organic	Phenol-d5	n/a	=	22	%	EPA 625	-88	-88	0.1	53	
2017/18-2	MO-SIM	srgt environ	3/26/2018	Organic	Phenol-d5	n/a	=	0.529	µg/L	EPA 8270C	-88	-88			
2017/18-2	MO-SIM	srgt environ, rec	3/26/2018	Organic	Phenol-d5	n/a	=	5	%	EPA 8270C	-88	-88	5	46	
2017/18-2	MO-SPA	srgt environ	3/13/2018	Organic	Phenol-d5	n/a	=	15	µg/L	EPA 625	-88	-88			
2017/18-2	MO-SPA	srgt environ, rec	3/13/2018	Organic	Phenol-d5	n/a	=	30	%	EPA 625	-88	-88	0.1	53	
2017/18-2	MO-SPA	srgt environ	3/26/2018	Organic	Phenol-d5	n/a	<	0	µg/L	EPA 8270C	-88	-88			GN
2017/18-2	MO-SPA	srgt environ, rec	3/26/2018	Organic	Phenol-d5	n/a	=	0	%	EPA 8270C	-88	-88	5	46	GN
2017/18-2	MO-THO	srgt environ	3/15/2018	Organic	Phenol-d5	n/a	=	13.7	µg/L	EPA 625	-88	-88			
2017/18-2	MO-THO	srgt environ, rec	3/15/2018	Organic	Phenol-d5	n/a	=	27	%	EPA 625	-88	-88	0.1	53	
2017/18-2	MO-THO	srgt environ	3/26/2018	Organic	Phenol-d5	n/a	=	1.44	µg/L	EPA 8270C	-88	-88			
2017/18-2	MO-THO	srgt environ, rec	3/26/2018	Organic	Phenol-d5	n/a	=	14	%	EPA 8270C	-88	-88	5	46	
2017/18-2	MO-VEN	srgt environ	3/15/2018	Organic	Phenol-d5	n/a	=	15.7	µg/L	EPA 625	-88	-88			
2017/18-2	MO-VEN	srgt environ, rec	3/15/2018	Organic	Phenol-d5	n/a	=	31	%	EPA 625	-88	-88	0.1	53	
2017/18-2	MO-VEN	srgt environ	3/26/2018	Organic	Phenol-d5	n/a	<	0	µg/L	EPA 8270C	-88	-88			GN
2017/18-2	MO-VEN	srgt environ, rec	3/26/2018	Organic	Phenol-d5	n/a	=	0	%	EPA 8270C	-88	-88	5	46	GN
2017/18-2	Lab	srgt method blank	3/12/2018	Organic	p-Terphenyl-d14	n/a	=	19.8	µg/L	EPA 625	-88	-88			
2017/18-2	Lab	srgt method blank, rec	3/12/2018	Organic	p-Terphenyl-d14	n/a	=	79	%	EPA 625	-88	-88	28	113	
2017/18-2	Lab	srgt LCS	3/12/2018	Organic	p-Terphenyl-d14	n/a	=	22	µg/L	EPA 625	-88	-88			
2017/18-2	Lab	srgt LCS, rec	3/12/2018	Organic	p-Terphenyl-d14	n/a	=	88	%	EPA 625	-88	-88	28	113	
2017/18-2	Lab	srgt LCS dup	3/13/2018	Organic	p-Terphenyl-d14	n/a	=	22.4	µg/L	EPA 625	-88	-88			
2017/18-2	Lab	srgt LCS dup, rec	3/13/2018	Organic	p-Terphenyl-d14	n/a	=	90	%	EPA 625	-88	-88	28	113	
2017/18-2	Lab	srgt method blank	3/14/2018	Organic	p-Terphenyl-d14	n/a	=	27.2	µg/L	EPA 625	-88	-88			
2017/18-2	Lab	srgt method blank, rec	3/14/2018	Organic	p-Terphenyl-d14	n/a	=	109	%	EPA 625	-88	-88	28	113	
2017/18-2	Lab	srgt LCS	3/14/2018	Organic	p-Terphenyl-d14	n/a	=	26.6	µg/L	EPA 625	-88	-88			
2017/18-2	Lab	srgt LCS, rec	3/14/2018	Organic	p-Terphenyl-d14	n/a	=	106	%	EPA 625	-88	-88	28	113	
2017/18-2	Lab	srgt LCS dup	3/15/2018	Organic	p-Terphenyl-d14	n/a	=	25.4	µg/L	EPA 625	-88	-88			
2017/18-2	Lab	srgt LCS dup, rec	3/15/2018	Organic	p-Terphenyl-d14	n/a	=	102	%	EPA 625	-88	-88	28	113	
2017/18-2	Lab	srgt method blank	3/19/2018	Organic	p-Terphenyl-d14	n/a	=	3.82	µg/L	EPA 8270C	-88	-88			
2017/18-2	Lab	srgt method blank, rec	3/19/2018	Organic	p-Terphenyl-d14	n/a	=	76	%	EPA 8270C	-88	-88	19	134	
2017/18-2	Lab	srgt LCS	3/19/2018	Organic	p-Terphenyl-d14	n/a	=	3.84	µg/L	EPA 8270C	-88	-88			
2017/18-2	Lab	srgt LCS, rec	3/19/2018	Organic	p-Terphenyl-d14	n/a	=	77	%	EPA 8270C	-88	-88	19	134	
2017/18-2	Lab	srgt LCS dup	3/19/2018	Organic	p-Terphenyl-d14	n/a	=	3.71	µg/L	EPA 8270C	-88	-88			
2017/18-2	Lab	srgt LCS dup, rec	3/19/2018	Organic	p-Terphenyl-d14	n/a	=	74	%	EPA 8270C	-88	-88	19	134	
2017/18-2	ME-CC	srgt environ	3/15/2018	Organic	p-Terphenyl-d14	n/a	=	21.8	µg/L	EPA 625	-88	-88			
2017/18-2	ME-CC	srgt environ, rec	3/15/2018	Organic	p-Terphenyl-d14	n/a	=	87	%	EPA 625	-88	-88	28	113	
2017/18-2	ME-CC	srgt environ	3/20/2018	Organic	p-Terphenyl-d14	n/a	=	3.24	µg/L	EPA 8270C	-88	-88			
2017/18-2	ME-CC	srgt environ, rec	3/20/2018	Organic	p-Terphenyl-d14	n/a	=	65	%	EPA 8270C	-88	-88	19	134	
2017/18-2	ME-SCR	srgt environ	3/15/2018	Organic	p-Terphenyl-d14	n/a	=	16.5	µg/L	EPA 625	-88	-88			
2017/18-2	ME-SCR	srgt environ, rec	3/15/2018	Organic	p-Terphenyl-d14	n/a	=	66	%	EPA 625	-88	-88	28	113	
2017/18-2	ME-SCR	srgt environ	3/20/2018	Organic	p-Terphenyl-d14	n/a	=	2.68	µg/L	EPA 8270C	-88	-88			
2017/18-2	ME-SCR	srgt environ, rec	3/20/2018	Organic	p-Terphenyl-d14	n/a	=	54	%	EPA 8270C	-88	-88	19	134	
2017/18-2	ME-VR2	srgt environ	3/15/2018	Organic	p-Terphenyl-d14	n/a	=	20	µg/L	EPA 625	-88	-88			
2017/18-2	ME-VR2	srgt environ, rec	3/15/2018	Organic	p-Terphenyl-d14	n/a	=	80	%	EPA 625	-88	-88	28	113	
2017/18-2	ME-VR2	srgt environ	3/20/2018	Organic	p-Terphenyl-d14	n/a	=	3.11	µg/L	EPA 8270C	-88	-88			
2017/18-2	ME-VR2	srgt environ, rec	3/20/2018	Organic	p-Terphenyl-d14	n/a	=	62	%	EPA 8270C	-88	-88	19	134	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-2	MO-CAM	srgt environ	3/15/2018	Organic	p-Terphenyl-d14	n/a	=	23.3	µg/L	EPA 625	-88	-88			
2017/18-2	MO-CAM	srgt environ, rec	3/15/2018	Organic	p-Terphenyl-d14	n/a	=	93	%	EPA 625	-88	-88	28	113	
2017/18-2	MO-CAM	srgt environ	3/20/2018	Organic	p-Terphenyl-d14	n/a	=	3.46	µg/L	EPA 8270C	-88	-88			
2017/18-2	MO-CAM	srgt environ, rec	3/20/2018	Organic	p-Terphenyl-d14	n/a	=	69	%	EPA 8270C	-88	-88	19	134	
2017/18-2	MO-FIL	srgt environ	3/13/2018	Organic	p-Terphenyl-d14	n/a	=	18.7	µg/L	EPA 625	-88	-88			
2017/18-2	MO-FIL	srgt environ, rec	3/13/2018	Organic	p-Terphenyl-d14	n/a	=	75	%	EPA 625	-88	-88	28	113	
2017/18-2	MO-FIL	srgt environ	3/20/2018	Organic	p-Terphenyl-d14	n/a	=	3.48	µg/L	EPA 8270C	-88	-88			
2017/18-2	MO-FIL	srgt environ, rec	3/20/2018	Organic	p-Terphenyl-d14	n/a	=	70	%	EPA 8270C	-88	-88	19	134	
2017/18-2	MO-MEI	srgt environ	3/13/2018	Organic	p-Terphenyl-d14	n/a	=	18.5	µg/L	EPA 625	-88	-88			
2017/18-2	MO-MEI	srgt environ, rec	3/13/2018	Organic	p-Terphenyl-d14	n/a	=	74	%	EPA 625	-88	-88	28	113	
2017/18-2	MO-MEI	srgt environ	3/20/2018	Organic	p-Terphenyl-d14	n/a	=	3.5	µg/L	EPA 8270C	-88	-88			
2017/18-2	MO-MEI	srgt environ, rec	3/20/2018	Organic	p-Terphenyl-d14	n/a	=	70	%	EPA 8270C	-88	-88	19	134	
2017/18-2	MO-MPK	srgt environ	3/15/2018	Organic	p-Terphenyl-d14	n/a	=	26	µg/L	EPA 625	-88	-88			
2017/18-2	MO-MPK	srgt environ, rec	3/15/2018	Organic	p-Terphenyl-d14	n/a	=	104	%	EPA 625	-88	-88	28	113	
2017/18-2	MO-MPK	srgt environ	3/20/2018	Organic	p-Terphenyl-d14	n/a	=	3.35	µg/L	EPA 8270C	-88	-88			
2017/18-2	MO-MPK	srgt environ, rec	3/20/2018	Organic	p-Terphenyl-d14	n/a	=	67	%	EPA 8270C	-88	-88	19	134	
2017/18-2	MO-OJA	srgt environ	3/13/2018	Organic	p-Terphenyl-d14	n/a	=	18.2	µg/L	EPA 625	-88	-88			
2017/18-2	MO-OJA	srgt environ, rec	3/13/2018	Organic	p-Terphenyl-d14	n/a	=	73	%	EPA 625	-88	-88	28	113	
2017/18-2	MO-OJA	srgt environ	3/20/2018	Organic	p-Terphenyl-d14	n/a	=	3.31	µg/L	EPA 8270C	-88	-88			
2017/18-2	MO-OJA	srgt environ, rec	3/20/2018	Organic	p-Terphenyl-d14	n/a	=	66	%	EPA 8270C	-88	-88	19	134	
2017/18-2	MO-OXN	srgt environ	3/15/2018	Organic	p-Terphenyl-d14	n/a	=	23.2	µg/L	EPA 625	-88	-88			
2017/18-2	MO-OXN	srgt environ, rec	3/15/2018	Organic	p-Terphenyl-d14	n/a	=	93	%	EPA 625	-88	-88	28	113	
2017/18-2	MO-OXN	srgt environ	3/20/2018	Organic	p-Terphenyl-d14	n/a	=	3.48	µg/L	EPA 8270C	-88	-88			
2017/18-2	MO-OXN	srgt environ, rec	3/20/2018	Organic	p-Terphenyl-d14	n/a	=	70	%	EPA 8270C	-88	-88	19	134	
2017/18-2	MO-SIM	srgt environ	3/15/2018	Organic	p-Terphenyl-d14	n/a	=	21.9	µg/L	EPA 625	-88	-88			
2017/18-2	MO-SIM	srgt environ, rec	3/15/2018	Organic	p-Terphenyl-d14	n/a	=	88	%	EPA 625	-88	-88	28	113	
2017/18-2	MO-SIM	srgt environ	3/20/2018	Organic	p-Terphenyl-d14	n/a	=	3.45	µg/L	EPA 8270C	-88	-88			
2017/18-2	MO-SIM	srgt environ, rec	3/20/2018	Organic	p-Terphenyl-d14	n/a	=	69	%	EPA 8270C	-88	-88	19	134	
2017/18-2	MO-SPA	srgt environ	3/13/2018	Organic	p-Terphenyl-d14	n/a	=	20.1	µg/L	EPA 625	-88	-88			
2017/18-2	MO-SPA	srgt environ, rec	3/13/2018	Organic	p-Terphenyl-d14	n/a	=	80	%	EPA 625	-88	-88	28	113	
2017/18-2	MO-SPA	srgt environ	3/20/2018	Organic	p-Terphenyl-d14	n/a	=	3.67	µg/L	EPA 8270C	-88	-88			
2017/18-2	MO-SPA	srgt environ, rec	3/20/2018	Organic	p-Terphenyl-d14	n/a	=	73	%	EPA 8270C	-88	-88	19	134	
2017/18-2	MO-THO	srgt environ	3/15/2018	Organic	p-Terphenyl-d14	n/a	=	23.6	µg/L	EPA 625	-88	-88			
2017/18-2	MO-THO	srgt environ, rec	3/15/2018	Organic	p-Terphenyl-d14	n/a	=	94	%	EPA 625	-88	-88	28	113	
2017/18-2	MO-THO	srgt environ	3/20/2018	Organic	p-Terphenyl-d14	n/a	=	3.25	µg/L	EPA 8270C	-88	-88			
2017/18-2	MO-THO	srgt environ, rec	3/20/2018	Organic	p-Terphenyl-d14	n/a	=	65	%	EPA 8270C	-88	-88	19	134	
2017/18-2	MO-VEN	srgt environ	3/15/2018	Organic	p-Terphenyl-d14	n/a	=	24	µg/L	EPA 625	-88	-88			
2017/18-2	MO-VEN	srgt environ, rec	3/15/2018	Organic	p-Terphenyl-d14	n/a	=	96	%	EPA 625	-88	-88	28	113	
2017/18-2	MO-VEN	srgt environ	3/20/2018	Organic	p-Terphenyl-d14	n/a	=	3.61	µg/L	EPA 8270C	-88	-88			
2017/18-2	MO-VEN	srgt environ, rec	3/20/2018	Organic	p-Terphenyl-d14	n/a	=	72	%	EPA 8270C	-88	-88	19	134	
2017/18-2	Lab	method blank	3/12/2018	Organic	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2017/18-2	Lab	LCS	3/12/2018	Organic	Pyrene	n/a	=	23.5	µg/L	EPA 625	0.25	1			
2017/18-2	Lab	LCS, rec	3/12/2018	Organic	Pyrene	n/a	=	94	%	EPA 625	-88	-88	52	115	
2017/18-2	Lab	LCS dup	3/13/2018	Organic	Pyrene	n/a	=	23	µg/L	EPA 625	0.25	1			
2017/18-2	Lab	LCS dup, rec	3/13/2018	Organic	Pyrene	n/a	=	92	%	EPA 625	-88	-88	52	115	
2017/18-2	Lab	LCS, RPD	3/13/2018	Organic	Pyrene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/14/2018	Organic	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-2	Lab	LCS	3/14/2018	Organic	Pyrene	n/a	=	24.8	µg/L	EPA 625	0.25	1			
2017/18-2	Lab	LCS, rec	3/14/2018	Organic	Pyrene	n/a	=	99	%	EPA 625	-88	-88	52	115	
2017/18-2	Lab	LCS dup	3/15/2018	Organic	Pyrene	n/a	=	25.6	µg/L	EPA 625	0.25	1			
2017/18-2	Lab	LCS dup, rec	3/15/2018	Organic	Pyrene	n/a	=	102	%	EPA 625	-88	-88	52	115	
2017/18-2	Lab	LCS, RPD	3/15/2018	Organic	Pyrene	n/a	=	3	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/19/2018	Organic	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-2	Lab	LCS	3/19/2018	Organic	Pyrene	n/a	=	7.9	µg/L	EPA 8270C	0.1	0.1			
2017/18-2	Lab	LCS, rec	3/19/2018	Organic	Pyrene	n/a	=	79	%	EPA 8270C	-88	-88	26	128	
2017/18-2	Lab	LCS dup	3/19/2018	Organic	Pyrene	n/a	=	7.66	µg/L	EPA 8270C	0.1	0.1			
2017/18-2	Lab	LCS dup, rec	3/19/2018	Organic	Pyrene	n/a	=	77	%	EPA 8270C	-88	-88	26	128	
2017/18-2	Lab	LCS, RPD	3/19/2018	Organic	Pyrene	n/a	=	3	%	EPA 8270C	-88	-88	0	30	
2017/18-2	000NONPJ	srgt matrix spike	3/19/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0357	µg/L	EPA 608	-88	-88			
2017/18-2	000NONPJ	srgt matrix spike, rec	3/19/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	36	%	EPA 608	-88	-88	35	111	
2017/18-2	000NONPJ	srgt matrix spike dup	3/19/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0412	µg/L	EPA 608	-88	-88			
2017/18-2	000NONPJ	srgt matrix spike dup, rec	3/19/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	41	%	EPA 608	-88	-88	35	111	
2017/18-2	Lab	srgt method blank	3/19/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0549	µg/L	EPA 608	-88	-88			
2017/18-2	Lab	srgt method blank, rec	3/19/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	55	%	EPA 608	-88	-88	35	111	
2017/18-2	Lab	srgt LCS	3/19/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0599	µg/L	EPA 608	-88	-88			
2017/18-2	Lab	srgt LCS, rec	3/19/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	60	%	EPA 608	-88	-88	35	111	
2017/18-2	ME-CC	srgt environ	3/20/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0486	µg/L	EPA 608	-88	-88			
2017/18-2	ME-CC	srgt environ, rec	3/20/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	49	%	EPA 608	-88	-88	35	111	
2017/18-2	ME-SCR	srgt environ	3/20/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0604	µg/L	EPA 608	-88	-88			
2017/18-2	ME-SCR	srgt environ, rec	3/20/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	60	%	EPA 608	-88	-88	35	111	
2017/18-2	ME-VR2	srgt environ	3/20/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0464	µg/L	EPA 608	-88	-88			
2017/18-2	ME-VR2	srgt environ, rec	3/20/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	46	%	EPA 608	-88	-88	35	111	
2017/18-2	MO-CAM	srgt environ	3/20/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0527	µg/L	EPA 608	-88	-88			
2017/18-2	MO-CAM	srgt environ, rec	3/20/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	53	%	EPA 608	-88	-88	35	111	
2017/18-2	MO-FIL	srgt environ	3/20/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0494	µg/L	EPA 608	-88	-88			
2017/18-2	MO-FIL	srgt environ, rec	3/20/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	49	%	EPA 608	-88	-88	35	111	
2017/18-2	MO-MEI	srgt environ	3/19/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0457	µg/L	EPA 608	-88	-88			
2017/18-2	MO-MEI	srgt environ, rec	3/19/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	46	%	EPA 608	-88	-88	35	111	
2017/18-2	MO-MPK	srgt environ	3/20/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.045	µg/L	EPA 608	-88	-88			
2017/18-2	MO-MPK	srgt environ, rec	3/20/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	45	%	EPA 608	-88	-88	35	111	
2017/18-2	MO-OJA	srgt environ	3/19/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0547	µg/L	EPA 608	-88	-88			
2017/18-2	MO-OJA	srgt environ, rec	3/19/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	55	%	EPA 608	-88	-88	35	111	
2017/18-2	MO-OXN	srgt environ	3/20/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0479	µg/L	EPA 608	-88	-88			
2017/18-2	MO-OXN	srgt environ, rec	3/20/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	48	%	EPA 608	-88	-88	35	111	
2017/18-2	MO-SIM	srgt environ	3/20/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0544	µg/L	EPA 608	-88	-88			
2017/18-2	MO-SIM	srgt environ, rec	3/20/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	54	%	EPA 608	-88	-88	35	111	
2017/18-2	MO-SPA	srgt environ	3/19/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0423	µg/L	EPA 608	-88	-88			
2017/18-2	MO-SPA	srgt environ, rec	3/19/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	42	%	EPA 608	-88	-88	35	111	
2017/18-2	MO-THO	srgt environ	3/20/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0555	µg/L	EPA 608	-88	-88			
2017/18-2	MO-THO	srgt environ, rec	3/20/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	55	%	EPA 608	-88	-88	35	111	
2017/18-2	MO-VEN	srgt environ	3/20/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.054	µg/L	EPA 608	-88	-88			
2017/18-2	MO-VEN	srgt environ, rec	3/20/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	54	%	EPA 608	-88	-88	35	111	
2017/18-2	Lab	srgt LCS	3/5/2018	Organic	Toluene-d8	n/a	=	51.3	µg/L	EPA 624	-88	-88			
2017/18-2	Lab	srgt LCS, rec	3/5/2018	Organic	Toluene-d8	n/a	=	103	%	EPA 624	-88	-88	92	112	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-2	Lab	srgt LCS dup	3/5/2018	Organic	Toluene-d8	n/a	=	51.3	µg/L	EPA 624	-88	-88			
2017/18-2	Lab	srgt LCS dup, rec	3/5/2018	Organic	Toluene-d8	n/a	=	103	%	EPA 624	-88	-88	92	112	
2017/18-2	Lab	srgt method blank	3/5/2018	Organic	Toluene-d8	n/a	=	51	µg/L	EPA 624	-88	-88			
2017/18-2	Lab	srgt method blank, rec	3/5/2018	Organic	Toluene-d8	n/a	=	102	%	EPA 624	-88	-88	92	112	
2017/18-2	Lab	srgt LCS	3/7/2018	Organic	Toluene-d8	n/a	=	51.7	µg/L	EPA 624	-88	-88			
2017/18-2	Lab	srgt LCS, rec	3/7/2018	Organic	Toluene-d8	n/a	=	103	%	EPA 624	-88	-88	92	112	
2017/18-2	Lab	srgt LCS dup	3/7/2018	Organic	Toluene-d8	n/a	=	52.4	µg/L	EPA 624	-88	-88			
2017/18-2	Lab	srgt LCS dup, rec	3/7/2018	Organic	Toluene-d8	n/a	=	105	%	EPA 624	-88	-88	92	112	
2017/18-2	Lab	srgt method blank	3/7/2018	Organic	Toluene-d8	n/a	=	51.2	µg/L	EPA 624	-88	-88			
2017/18-2	Lab	srgt method blank, rec	3/7/2018	Organic	Toluene-d8	n/a	=	102	%	EPA 624	-88	-88	92	112	
2017/18-2	ME-CC	srgt environ	3/7/2018	Organic	Toluene-d8	n/a	=	51.4	µg/L	EPA 624	-88	-88			
2017/18-2	ME-CC	srgt environ, rec	3/7/2018	Organic	Toluene-d8	n/a	=	103	%	EPA 624	-88	-88	92	112	
2017/18-2	ME-CC	srgt matrix spike	3/7/2018	Organic	Toluene-d8	n/a	=	51.5	µg/L	EPA 624	-88	-88			
2017/18-2	ME-CC	srgt matrix spike, rec	3/7/2018	Organic	Toluene-d8	n/a	=	103	%	EPA 624	-88	-88	92	112	
2017/18-2	ME-CC	srgt matrix spike dup	3/7/2018	Organic	Toluene-d8	n/a	=	51.8	µg/L	EPA 624	-88	-88			
2017/18-2	ME-CC	srgt matrix spike dup, rec	3/7/2018	Organic	Toluene-d8	n/a	=	104	%	EPA 624	-88	-88	92	112	
2017/18-2	ME-SCR	srgt environ	3/5/2018	Organic	Toluene-d8	n/a	=	51.3	µg/L	EPA 624	-88	-88			
2017/18-2	ME-SCR	srgt environ, rec	3/5/2018	Organic	Toluene-d8	n/a	=	103	%	EPA 624	-88	-88	92	112	
2017/18-2	ME-SCR	srgt matrix spike	3/6/2018	Organic	Toluene-d8	n/a	=	51.5	µg/L	EPA 624	-88	-88			
2017/18-2	ME-SCR	srgt matrix spike, rec	3/6/2018	Organic	Toluene-d8	n/a	=	103	%	EPA 624	-88	-88	92	112	
2017/18-2	ME-SCR	srgt matrix spike dup	3/6/2018	Organic	Toluene-d8	n/a	=	52.1	µg/L	EPA 624	-88	-88			
2017/18-2	ME-SCR	srgt matrix spike dup, rec	3/6/2018	Organic	Toluene-d8	n/a	=	104	%	EPA 624	-88	-88	92	112	
2017/18-2	ME-VR2	srgt environ	3/5/2018	Organic	Toluene-d8	n/a	=	51	µg/L	EPA 624	-88	-88			
2017/18-2	ME-VR2	srgt environ, rec	3/5/2018	Organic	Toluene-d8	n/a	=	102	%	EPA 624	-88	-88	92	112	
2017/18-2	MO-CAM	srgt environ	3/5/2018	Organic	Toluene-d8	n/a	=	51.4	µg/L	EPA 624	-88	-88			
2017/18-2	MO-CAM	srgt environ, rec	3/5/2018	Organic	Toluene-d8	n/a	=	103	%	EPA 624	-88	-88	92	112	
2017/18-2	MO-CAM	srgt field duplicate	3/5/2018	Organic	Toluene-d8	n/a	=	51.2	µg/L	EPA 624	-88	-88			
2017/18-2	MO-CAM	srgt field duplicate, rec	3/5/2018	Organic	Toluene-d8	n/a	=	102	%	EPA 624	-88	-88	92	112	
2017/18-2	MO-FIL	srgt environ	3/6/2018	Organic	Toluene-d8	n/a	=	51.7	µg/L	EPA 624	-88	-88			
2017/18-2	MO-FIL	srgt environ, rec	3/6/2018	Organic	Toluene-d8	n/a	=	103	%	EPA 624	-88	-88	92	112	
2017/18-2	MO-HUE	srgt environ	3/6/2018	Organic	Toluene-d8	n/a	=	51	µg/L	EPA 624	-88	-88			
2017/18-2	MO-HUE	srgt environ, rec	3/6/2018	Organic	Toluene-d8	n/a	=	102	%	EPA 624	-88	-88	92	112	
2017/18-2	MO-MEI	srgt environ	3/5/2018	Organic	Toluene-d8	n/a	=	50.9	µg/L	EPA 624	-88	-88			
2017/18-2	MO-MEI	srgt environ, rec	3/5/2018	Organic	Toluene-d8	n/a	=	102	%	EPA 624	-88	-88	92	112	
2017/18-2	MO-MPK	srgt environ	3/6/2018	Organic	Toluene-d8	n/a	=	51.3	µg/L	EPA 624	-88	-88			
2017/18-2	MO-MPK	srgt environ, rec	3/6/2018	Organic	Toluene-d8	n/a	=	103	%	EPA 624	-88	-88	92	112	
2017/18-2	MO-OJA	srgt environ	3/5/2018	Organic	Toluene-d8	n/a	=	51.2	µg/L	EPA 624	-88	-88			
2017/18-2	MO-OJA	srgt environ, rec	3/5/2018	Organic	Toluene-d8	n/a	=	102	%	EPA 624	-88	-88	92	112	
2017/18-2	MO-OXN	srgt environ	3/5/2018	Organic	Toluene-d8	n/a	=	51.2	µg/L	EPA 624	-88	-88			
2017/18-2	MO-OXN	srgt environ, rec	3/5/2018	Organic	Toluene-d8	n/a	=	102	%	EPA 624	-88	-88	92	112	
2017/18-2	MO-SIM	srgt environ	3/6/2018	Organic	Toluene-d8	n/a	=	51	µg/L	EPA 624	-88	-88			
2017/18-2	MO-SIM	srgt environ, rec	3/6/2018	Organic	Toluene-d8	n/a	=	102	%	EPA 624	-88	-88	92	112	
2017/18-2	MO-SPA	srgt environ	3/5/2018	Organic	Toluene-d8	n/a	=	51.3	µg/L	EPA 624	-88	-88			
2017/18-2	MO-SPA	srgt environ, rec	3/5/2018	Organic	Toluene-d8	n/a	=	103	%	EPA 624	-88	-88	92	112	
2017/18-2	MO-THO	srgt field blank	3/5/2018	Organic	Toluene-d8	n/a	=	50.7	µg/L	EPA 624	-88	-88			
2017/18-2	MO-THO	srgt field blank, rec	3/5/2018	Organic	Toluene-d8	n/a	=	101	%	EPA 624	-88	-88	92	112	
2017/18-2	MO-THO	srgt environ	3/6/2018	Organic	Toluene-d8	n/a	=	50.8	µg/L	EPA 624	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-2	MO-THO	srgt environ, rec	3/6/2018	Organic	Toluene-d8	n/a	=	102	%	EPA 624	-88	-88	92	112	
2017/18-2	MO-VEN	srgt environ	3/5/2018	Organic	Toluene-d8	n/a	=	51	µg/L	EPA 624	-88	-88			
2017/18-2	MO-VEN	srgt environ, rec	3/5/2018	Organic	Toluene-d8	n/a	=	102	%	EPA 624	-88	-88	92	112	
2017/18-2	000NONPJ	srgt matrix spike	3/8/2018	Organic	Triphenylphosphate	n/a	=	0.571	µg/L	EPA 525.2m	-88	-88			
2017/18-2	000NONPJ	srgt matrix spike, rec	3/8/2018	Organic	Triphenylphosphate	n/a	=	114	%	EPA 525.2m	-88	-88	40	163	
2017/18-2	000NONPJ	srgt matrix spike dup	3/8/2018	Organic	Triphenylphosphate	n/a	=	0.639	µg/L	EPA 525.2m	-88	-88			
2017/18-2	000NONPJ	srgt matrix spike dup, rec	3/8/2018	Organic	Triphenylphosphate	n/a	=	128	%	EPA 525.2m	-88	-88	40	163	
2017/18-2	000NONPJ	srgt matrix spike	3/15/2018	Organic	Triphenylphosphate	n/a	=	0.599	µg/L	EPA 525.2m	-88	-88			
2017/18-2	000NONPJ	srgt matrix spike, rec	3/15/2018	Organic	Triphenylphosphate	n/a	=	120	%	EPA 525.2m	-88	-88	40	163	
2017/18-2	000NONPJ	srgt matrix spike dup	3/15/2018	Organic	Triphenylphosphate	n/a	=	0.603	µg/L	EPA 525.2m	-88	-88			
2017/18-2	000NONPJ	srgt matrix spike dup, rec	3/15/2018	Organic	Triphenylphosphate	n/a	=	121	%	EPA 525.2m	-88	-88	40	163	
2017/18-2	Lab	srgt method blank	3/8/2018	Organic	Triphenylphosphate	n/a	=	0.465	µg/L	EPA 525.2m	-88	-88			
2017/18-2	Lab	srgt method blank, rec	3/8/2018	Organic	Triphenylphosphate	n/a	=	93	%	EPA 525.2m	-88	-88	40	163	
2017/18-2	Lab	srgt LCS	3/8/2018	Organic	Triphenylphosphate	n/a	=	0.724	µg/L	EPA 525.2m	-88	-88			
2017/18-2	Lab	srgt LCS, rec	3/8/2018	Organic	Triphenylphosphate	n/a	=	145	%	EPA 525.2m	-88	-88	40	163	
2017/18-2	Lab	srgt method blank	3/15/2018	Organic	Triphenylphosphate	n/a	=	0.489	µg/L	EPA 525.2m	-88	-88			
2017/18-2	Lab	srgt method blank, rec	3/15/2018	Organic	Triphenylphosphate	n/a	=	98	%	EPA 525.2m	-88	-88	40	163	
2017/18-2	Lab	srgt LCS	3/15/2018	Organic	Triphenylphosphate	n/a	=	0.457	µg/L	EPA 525.2m	-88	-88			
2017/18-2	Lab	srgt LCS, rec	3/15/2018	Organic	Triphenylphosphate	n/a	=	91	%	EPA 525.2m	-88	-88	40	163	
2017/18-2	Lab	srgt method blank	3/19/2018	Organic	Triphenylphosphate	n/a	=	4.83	µg/L	EPA 525.2	-88	-88			
2017/18-2	Lab	srgt method blank, rec	3/19/2018	Organic	Triphenylphosphate	n/a	=	97	%	EPA 525.2	-88	-88	70	130	
2017/18-2	Lab	srgt LCS	3/19/2018	Organic	Triphenylphosphate	n/a	=	5.48	µg/L	EPA 525.2	-88	-88			
2017/18-2	Lab	srgt LCS, rec	3/19/2018	Organic	Triphenylphosphate	n/a	=	110	%	EPA 525.2	-88	-88	70	130	
2017/18-2	Lab	srgt LCS dup	3/19/2018	Organic	Triphenylphosphate	n/a	=	5.75	µg/L	EPA 525.2	-88	-88			
2017/18-2	Lab	srgt LCS dup, rec	3/19/2018	Organic	Triphenylphosphate	n/a	=	115	%	EPA 525.2	-88	-88	70	130	
2017/18-2	Lab	srgt method blank	3/20/2018	Organic	Triphenylphosphate	n/a	=	4.79	µg/L	EPA 525.2	-88	-88			
2017/18-2	Lab	srgt method blank, rec	3/20/2018	Organic	Triphenylphosphate	n/a	=	96	%	EPA 525.2	-88	-88	70	130	
2017/18-2	Lab	srgt LCS	3/20/2018	Organic	Triphenylphosphate	n/a	=	5.26	µg/L	EPA 525.2	-88	-88			
2017/18-2	Lab	srgt LCS, rec	3/20/2018	Organic	Triphenylphosphate	n/a	=	105	%	EPA 525.2	-88	-88	70	130	
2017/18-2	Lab	srgt LCS dup	3/20/2018	Organic	Triphenylphosphate	n/a	=	5.43	µg/L	EPA 525.2	-88	-88			
2017/18-2	Lab	srgt LCS dup, rec	3/20/2018	Organic	Triphenylphosphate	n/a	=	109	%	EPA 525.2	-88	-88	70	130	
2017/18-2	ME-CC	srgt environ	3/9/2018	Organic	Triphenylphosphate	n/a	=	0.664	µg/L	EPA 525.2m	-88	-88			
2017/18-2	ME-CC	srgt environ, rec	3/9/2018	Organic	Triphenylphosphate	n/a	=	133	%	EPA 525.2m	-88	-88	40	163	
2017/18-2	ME-CC	srgt environ	3/20/2018	Organic	Triphenylphosphate	n/a	=	29.8	µg/L	EPA 525.2	-88	-88			
2017/18-2	ME-CC	srgt environ, rec	3/20/2018	Organic	Triphenylphosphate	n/a	=	119	%	EPA 525.2	-88	-88	70	130	
2017/18-2	ME-SCR	srgt environ	3/9/2018	Organic	Triphenylphosphate	n/a	=	0.598	µg/L	EPA 525.2m	-88	-88			
2017/18-2	ME-SCR	srgt environ, rec	3/9/2018	Organic	Triphenylphosphate	n/a	=	120	%	EPA 525.2m	-88	-88	40	163	
2017/18-2	ME-SCR	srgt environ	3/20/2018	Organic	Triphenylphosphate	n/a	=	29.9	µg/L	EPA 525.2	-88	-88			
2017/18-2	ME-SCR	srgt environ, rec	3/20/2018	Organic	Triphenylphosphate	n/a	=	119	%	EPA 525.2	-88	-88	70	130	
2017/18-2	ME-VR2	srgt environ	3/9/2018	Organic	Triphenylphosphate	n/a	=	0.774	µg/L	EPA 525.2m	-88	-88			
2017/18-2	ME-VR2	srgt environ, rec	3/9/2018	Organic	Triphenylphosphate	n/a	=	155	%	EPA 525.2m	-88	-88	40	163	
2017/18-2	ME-VR2	srgt environ	3/20/2018	Organic	Triphenylphosphate	n/a	=	29.8	µg/L	EPA 525.2	-88	-88			
2017/18-2	ME-VR2	srgt environ, rec	3/20/2018	Organic	Triphenylphosphate	n/a	=	119	%	EPA 525.2	-88	-88	70	130	
2017/18-2	MO-CAM	srgt environ	3/9/2018	Organic	Triphenylphosphate	n/a	=	0.417	µg/L	EPA 525.2m	-88	-88			
2017/18-2	MO-CAM	srgt environ, rec	3/9/2018	Organic	Triphenylphosphate	n/a	=	83	%	EPA 525.2m	-88	-88	40	163	
2017/18-2	MO-CAM	srgt environ	3/20/2018	Organic	Triphenylphosphate	n/a	=	31	µg/L	EPA 525.2	-88	-88			
2017/18-2	MO-CAM	srgt environ, rec	3/20/2018	Organic	Triphenylphosphate	n/a	=	124	%	EPA 525.2	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-2	MO-FIL	srgt environ	3/15/2018	Organic	Triphenylphosphate	n/a	=	0.486	µg/L	EPA 525.2m	-88	-88			
2017/18-2	MO-FIL	srgt environ, rec	3/15/2018	Organic	Triphenylphosphate	n/a	=	97	%	EPA 525.2m	-88	-88	40	163	
2017/18-2	MO-FIL	srgt environ	3/19/2018	Organic	Triphenylphosphate	n/a	=	30.8	µg/L	EPA 525.2	-88	-88			
2017/18-2	MO-FIL	srgt environ, rec	3/19/2018	Organic	Triphenylphosphate	n/a	=	123	%	EPA 525.2	-88	-88	70	130	
2017/18-2	MO-MEI	srgt environ	3/15/2018	Organic	Triphenylphosphate	n/a	=	0.431	µg/L	EPA 525.2m	-88	-88			
2017/18-2	MO-MEI	srgt environ, rec	3/15/2018	Organic	Triphenylphosphate	n/a	=	86	%	EPA 525.2m	-88	-88	40	163	
2017/18-2	MO-MEI	srgt environ	3/19/2018	Organic	Triphenylphosphate	n/a	=	29.4	µg/L	EPA 525.2	-88	-88			
2017/18-2	MO-MEI	srgt environ, rec	3/19/2018	Organic	Triphenylphosphate	n/a	=	117	%	EPA 525.2	-88	-88	70	130	
2017/18-2	MO-MPK	srgt environ	3/9/2018	Organic	Triphenylphosphate	n/a	=	0.581	µg/L	EPA 525.2m	-88	-88			
2017/18-2	MO-MPK	srgt environ, rec	3/9/2018	Organic	Triphenylphosphate	n/a	=	116	%	EPA 525.2m	-88	-88	40	163	
2017/18-2	MO-MPK	srgt environ	3/20/2018	Organic	Triphenylphosphate	n/a	=	30.4	µg/L	EPA 525.2	-88	-88			
2017/18-2	MO-MPK	srgt environ, rec	3/20/2018	Organic	Triphenylphosphate	n/a	=	122	%	EPA 525.2	-88	-88	70	130	
2017/18-2	MO-OJA	srgt environ	3/15/2018	Organic	Triphenylphosphate	n/a	=	0.605	µg/L	EPA 525.2m	-88	-88			
2017/18-2	MO-OJA	srgt environ, rec	3/15/2018	Organic	Triphenylphosphate	n/a	=	121	%	EPA 525.2m	-88	-88	40	163	
2017/18-2	MO-OJA	srgt environ	3/19/2018	Organic	Triphenylphosphate	n/a	=	29	µg/L	EPA 525.2	-88	-88			
2017/18-2	MO-OJA	srgt environ, rec	3/19/2018	Organic	Triphenylphosphate	n/a	=	116	%	EPA 525.2	-88	-88	70	130	
2017/18-2	MO-OXN	srgt environ	3/9/2018	Organic	Triphenylphosphate	n/a	=	0.462	µg/L	EPA 525.2m	-88	-88			
2017/18-2	MO-OXN	srgt environ, rec	3/9/2018	Organic	Triphenylphosphate	n/a	=	92	%	EPA 525.2m	-88	-88	40	163	
2017/18-2	MO-OXN	srgt environ	3/20/2018	Organic	Triphenylphosphate	n/a	=	31.3	µg/L	EPA 525.2	-88	-88			
2017/18-2	MO-OXN	srgt environ, rec	3/20/2018	Organic	Triphenylphosphate	n/a	=	125	%	EPA 525.2	-88	-88	70	130	
2017/18-2	MO-SIM	srgt environ	3/9/2018	Organic	Triphenylphosphate	n/a	=	0.649	µg/L	EPA 525.2m	-88	-88			
2017/18-2	MO-SIM	srgt environ, rec	3/9/2018	Organic	Triphenylphosphate	n/a	=	130	%	EPA 525.2m	-88	-88	40	163	
2017/18-2	MO-SIM	srgt environ	3/20/2018	Organic	Triphenylphosphate	n/a	=	30.9	µg/L	EPA 525.2	-88	-88			
2017/18-2	MO-SIM	srgt environ, rec	3/20/2018	Organic	Triphenylphosphate	n/a	=	124	%	EPA 525.2	-88	-88	70	130	
2017/18-2	MO-SPA	srgt environ	3/15/2018	Organic	Triphenylphosphate	n/a	=	0.49	µg/L	EPA 525.2m	-88	-88			
2017/18-2	MO-SPA	srgt environ, rec	3/15/2018	Organic	Triphenylphosphate	n/a	=	98	%	EPA 525.2m	-88	-88	40	163	
2017/18-2	MO-SPA	srgt environ	3/19/2018	Organic	Triphenylphosphate	n/a	=	29.8	µg/L	EPA 525.2	-88	-88			
2017/18-2	MO-SPA	srgt environ, rec	3/19/2018	Organic	Triphenylphosphate	n/a	=	119	%	EPA 525.2	-88	-88	70	130	
2017/18-2	MO-THO	srgt environ	3/9/2018	Organic	Triphenylphosphate	n/a	=	0.541	µg/L	EPA 525.2m	-88	-88			
2017/18-2	MO-THO	srgt environ, rec	3/9/2018	Organic	Triphenylphosphate	n/a	=	108	%	EPA 525.2m	-88	-88	40	163	
2017/18-2	MO-THO	srgt environ	3/20/2018	Organic	Triphenylphosphate	n/a	=	30.5	µg/L	EPA 525.2	-88	-88			
2017/18-2	MO-THO	srgt environ, rec	3/20/2018	Organic	Triphenylphosphate	n/a	=	122	%	EPA 525.2	-88	-88	70	130	
2017/18-2	MO-VEN	srgt environ	3/9/2018	Organic	Triphenylphosphate	n/a	=	0.658	µg/L	EPA 525.2m	-88	-88			
2017/18-2	MO-VEN	srgt environ, rec	3/9/2018	Organic	Triphenylphosphate	n/a	=	132	%	EPA 525.2m	-88	-88	40	163	
2017/18-2	MO-VEN	srgt environ	3/20/2018	Organic	Triphenylphosphate	n/a	=	30.8	µg/L	EPA 525.2	-88	-88			
2017/18-2	MO-VEN	srgt environ, rec	3/20/2018	Organic	Triphenylphosphate	n/a	=	123	%	EPA 525.2	-88	-88	70	130	
2017/18-2	000NONPJ	srgt matrix spike	3/19/2018	PCB	PCB 209	n/a	=	0.101	µg/L	EPA 608	-88	-88			
2017/18-2	000NONPJ	srgt matrix spike, rec	3/19/2018	PCB	PCB 209	n/a	=	101	%	EPA 608	-88	-88	34	125	
2017/18-2	000NONPJ	srgt matrix spike dup	3/19/2018	PCB	PCB 209	n/a	=	0.0939	µg/L	EPA 608	-88	-88			
2017/18-2	000NONPJ	srgt matrix spike dup, rec	3/19/2018	PCB	PCB 209	n/a	=	94	%	EPA 608	-88	-88	34	125	
2017/18-2	Lab	srgt method blank	3/19/2018	PCB	PCB 209	n/a	=	0.0774	µg/L	EPA 608	-88	-88			
2017/18-2	Lab	srgt method blank, rec	3/19/2018	PCB	PCB 209	n/a	=	77	%	EPA 608	-88	-88	34	125	
2017/18-2	Lab	srgt LCS	3/19/2018	PCB	PCB 209	n/a	=	0.0941	µg/L	EPA 608	-88	-88			
2017/18-2	Lab	srgt LCS, rec	3/19/2018	PCB	PCB 209	n/a	=	94	%	EPA 608	-88	-88	34	125	
2017/18-2	ME-CC	srgt environ	3/20/2018	PCB	PCB 209	n/a	=	0.0519	µg/L	EPA 608	-88	-88			
2017/18-2	ME-CC	srgt environ, rec	3/20/2018	PCB	PCB 209	n/a	=	52	%	EPA 608	-88	-88	34	125	
2017/18-2	ME-SCR	srgt environ	3/20/2018	PCB	PCB 209	n/a	=	0.0504	µg/L	EPA 608	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-2	ME-SCR	srgt environ, rec	3/20/2018	PCB	PCB 209	n/a	=	50	%	EPA 608	-88	-88	34	125	
2017/18-2	ME-VR2	srgt environ	3/20/2018	PCB	PCB 209	n/a	=	0.05	µg/L	EPA 608	-88	-88			
2017/18-2	ME-VR2	srgt environ, rec	3/20/2018	PCB	PCB 209	n/a	=	50	%	EPA 608	-88	-88	34	125	
2017/18-2	MO-CAM	srgt environ	3/20/2018	PCB	PCB 209	n/a	=	0.032	µg/L	EPA 608	-88	-88			GN
2017/18-2	MO-CAM	srgt environ, rec	3/20/2018	PCB	PCB 209	n/a	=	32	%	EPA 608	-88	-88	34	125	GN
2017/18-2	MO-FIL	srgt environ	3/20/2018	PCB	PCB 209	n/a	=	0.047	µg/L	EPA 608	-88	-88			
2017/18-2	MO-FIL	srgt environ, rec	3/20/2018	PCB	PCB 209	n/a	=	47	%	EPA 608	-88	-88	34	125	
2017/18-2	MO-MEI	srgt environ	3/19/2018	PCB	PCB 209	n/a	=	0.0463	µg/L	EPA 608	-88	-88			
2017/18-2	MO-MEI	srgt environ, rec	3/19/2018	PCB	PCB 209	n/a	=	46	%	EPA 608	-88	-88	34	125	
2017/18-2	MO-MPK	srgt environ	3/20/2018	PCB	PCB 209	n/a	=	0.0531	µg/L	EPA 608	-88	-88			
2017/18-2	MO-MPK	srgt environ, rec	3/20/2018	PCB	PCB 209	n/a	=	53	%	EPA 608	-88	-88	34	125	
2017/18-2	MO-OJA	srgt environ	3/19/2018	PCB	PCB 209	n/a	=	0.0585	µg/L	EPA 608	-88	-88			
2017/18-2	MO-OJA	srgt environ, rec	3/19/2018	PCB	PCB 209	n/a	=	59	%	EPA 608	-88	-88	34	125	
2017/18-2	MO-OXN	srgt environ	3/20/2018	PCB	PCB 209	n/a	=	0.0271	µg/L	EPA 608	-88	-88			GN
2017/18-2	MO-OXN	srgt environ, rec	3/20/2018	PCB	PCB 209	n/a	=	27	%	EPA 608	-88	-88	34	125	GN
2017/18-2	MO-SIM	srgt environ	3/20/2018	PCB	PCB 209	n/a	=	0.0543	µg/L	EPA 608	-88	-88			
2017/18-2	MO-SIM	srgt environ, rec	3/20/2018	PCB	PCB 209	n/a	=	54	%	EPA 608	-88	-88	34	125	
2017/18-2	MO-SPA	srgt environ	3/19/2018	PCB	PCB 209	n/a	=	0.031	µg/L	EPA 608	-88	-88			GN
2017/18-2	MO-SPA	srgt environ, rec	3/19/2018	PCB	PCB 209	n/a	=	31	%	EPA 608	-88	-88	34	125	GN
2017/18-2	MO-THO	srgt environ	3/20/2018	PCB	PCB 209	n/a	=	0.0659	µg/L	EPA 608	-88	-88			
2017/18-2	MO-THO	srgt environ, rec	3/20/2018	PCB	PCB 209	n/a	=	66	%	EPA 608	-88	-88	34	125	
2017/18-2	MO-VEN	srgt environ	3/20/2018	PCB	PCB 209	n/a	=	0.043	µg/L	EPA 608	-88	-88			
2017/18-2	MO-VEN	srgt environ, rec	3/20/2018	PCB	PCB 209	n/a	=	43	%	EPA 608	-88	-88	34	125	
2017/18-2	000NONPJ	matrix spike	3/13/2018	Pesticide	2,4,5-T	n/a	=	4.56	µg/L	EPA 515.3	0.07	0.2			
2017/18-2	000NONPJ	matrix spike, rec	3/13/2018	Pesticide	2,4,5-T	n/a	=	114	%	EPA 515.3	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike dup	3/13/2018	Pesticide	2,4,5-T	n/a	=	4.5	µg/L	EPA 515.3	0.07	0.2			
2017/18-2	000NONPJ	matrix spike dup, rec	3/13/2018	Pesticide	2,4,5-T	n/a	=	112	%	EPA 515.3	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike, RPD	3/13/2018	Pesticide	2,4,5-T	n/a	=	1	%	EPA 515.3	-88	-88	0	30	
2017/18-2	000NONPJ	matrix spike	3/13/2018	Pesticide	2,4,5-T	n/a	=	3.49	µg/L	EPA 515.3	0.07	0.2			
2017/18-2	000NONPJ	matrix spike, rec	3/13/2018	Pesticide	2,4,5-T	n/a	=	87	%	EPA 515.3	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike dup	3/13/2018	Pesticide	2,4,5-T	n/a	=	3.5	µg/L	EPA 515.3	0.07	0.2			
2017/18-2	000NONPJ	matrix spike dup, rec	3/13/2018	Pesticide	2,4,5-T	n/a	=	88	%	EPA 515.3	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike, RPD	3/13/2018	Pesticide	2,4,5-T	n/a	=	0.3	%	EPA 515.3	-88	-88	0	30	
2017/18-2	Lab	method blank	3/13/2018	Pesticide	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2			
2017/18-2	Lab	LCS	3/13/2018	Pesticide	2,4,5-T	n/a	=	4.42	µg/L	EPA 515.3	0.07	0.2			
2017/18-2	Lab	LCS, rec	3/13/2018	Pesticide	2,4,5-T	n/a	=	111	%	EPA 515.3	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike	3/13/2018	Pesticide	2,4,5-TP	n/a	=	4.66	µg/L	EPA 515.3	0.09	0.2			
2017/18-2	000NONPJ	matrix spike, rec	3/13/2018	Pesticide	2,4,5-TP	n/a	=	117	%	EPA 515.3	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike dup	3/13/2018	Pesticide	2,4,5-TP	n/a	=	4.7	µg/L	EPA 515.3	0.09	0.2			
2017/18-2	000NONPJ	matrix spike dup, rec	3/13/2018	Pesticide	2,4,5-TP	n/a	=	117	%	EPA 515.3	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike, RPD	3/13/2018	Pesticide	2,4,5-TP	n/a	=	0.8	%	EPA 515.3	-88	-88	0	30	
2017/18-2	000NONPJ	matrix spike	3/13/2018	Pesticide	2,4,5-TP	n/a	=	4.48	µg/L	EPA 515.3	0.09	0.2			
2017/18-2	000NONPJ	matrix spike, rec	3/13/2018	Pesticide	2,4,5-TP	n/a	=	112	%	EPA 515.3	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike dup	3/13/2018	Pesticide	2,4,5-TP	n/a	=	4.13	µg/L	EPA 515.3	0.09	0.2			
2017/18-2	000NONPJ	matrix spike dup, rec	3/13/2018	Pesticide	2,4,5-TP	n/a	=	103	%	EPA 515.3	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike, RPD	3/13/2018	Pesticide	2,4,5-TP	n/a	=	8	%	EPA 515.3	-88	-88	0	30	
2017/18-2	Lab	method blank	3/13/2018	Pesticide	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-2	Lab	LCS	3/13/2018	Pesticide	2,4,5-TP	n/a	=	4.31	µg/L	EPA 515.3	0.09	0.2			
2017/18-2	Lab	LCS, rec	3/13/2018	Pesticide	2,4,5-TP	n/a	=	108	%	EPA 515.3	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike	3/13/2018	Pesticide	2,4-D	n/a	=	9.08	µg/L	EPA 515.3	0.07	0.4			
2017/18-2	000NONPJ	matrix spike, rec	3/13/2018	Pesticide	2,4-D	n/a	=	114	%	EPA 515.3	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike dup	3/13/2018	Pesticide	2,4-D	n/a	=	9.01	µg/L	EPA 515.3	0.07	0.4			
2017/18-2	000NONPJ	matrix spike dup, rec	3/13/2018	Pesticide	2,4-D	n/a	=	113	%	EPA 515.3	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike, RPD	3/13/2018	Pesticide	2,4-D	n/a	=	0.8	%	EPA 515.3	-88	-88	0	30	
2017/18-2	000NONPJ	matrix spike	3/13/2018	Pesticide	2,4-D	n/a	=	9.61	µg/L	EPA 515.3	0.07	0.4			
2017/18-2	000NONPJ	matrix spike, rec	3/13/2018	Pesticide	2,4-D	n/a	=	120	%	EPA 515.3	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike dup	3/13/2018	Pesticide	2,4-D	n/a	=	9.09	µg/L	EPA 515.3	0.07	0.4			
2017/18-2	000NONPJ	matrix spike dup, rec	3/13/2018	Pesticide	2,4-D	n/a	=	114	%	EPA 515.3	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike, RPD	3/13/2018	Pesticide	2,4-D	n/a	=	6	%	EPA 515.3	-88	-88	0	30	
2017/18-2	Lab	method blank	3/13/2018	Pesticide	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4			
2017/18-2	Lab	LCS	3/13/2018	Pesticide	2,4-D	n/a	=	9	µg/L	EPA 515.3	0.07	0.4			
2017/18-2	Lab	LCS, rec	3/13/2018	Pesticide	2,4-D	n/a	=	113	%	EPA 515.3	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike	3/13/2018	Pesticide	2,4-DB	n/a	=	17.7	µg/L	EPA 515.3	0.07	2			
2017/18-2	000NONPJ	matrix spike, rec	3/13/2018	Pesticide	2,4-DB	n/a	=	110	%	EPA 515.3	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike dup	3/13/2018	Pesticide	2,4-DB	n/a	=	17.4	µg/L	EPA 515.3	0.07	2			
2017/18-2	000NONPJ	matrix spike dup, rec	3/13/2018	Pesticide	2,4-DB	n/a	=	109	%	EPA 515.3	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike, RPD	3/13/2018	Pesticide	2,4-DB	n/a	=	1	%	EPA 515.3	-88	-88	0	30	
2017/18-2	000NONPJ	matrix spike	3/13/2018	Pesticide	2,4-DB	n/a	=	19	µg/L	EPA 515.3	0.07	2			
2017/18-2	000NONPJ	matrix spike, rec	3/13/2018	Pesticide	2,4-DB	n/a	=	119	%	EPA 515.3	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike dup	3/13/2018	Pesticide	2,4-DB	n/a	=	17.2	µg/L	EPA 515.3	0.07	2			
2017/18-2	000NONPJ	matrix spike dup, rec	3/13/2018	Pesticide	2,4-DB	n/a	=	107	%	EPA 515.3	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike, RPD	3/13/2018	Pesticide	2,4-DB	n/a	=	10	%	EPA 515.3	-88	-88	0	30	
2017/18-2	Lab	method blank	3/13/2018	Pesticide	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2			
2017/18-2	Lab	LCS	3/13/2018	Pesticide	2,4-DB	n/a	=	17.1	µg/L	EPA 515.3	0.07	2			
2017/18-2	Lab	LCS, rec	3/13/2018	Pesticide	2,4-DB	n/a	=	107	%	EPA 515.3	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike	3/13/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	8.53	µg/L	EPA 515.3	0.09	1			
2017/18-2	000NONPJ	matrix spike, rec	3/13/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	107	%	EPA 515.3	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike dup	3/13/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	8.53	µg/L	EPA 515.3	0.09	1			
2017/18-2	000NONPJ	matrix spike dup, rec	3/13/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	107	%	EPA 515.3	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike, RPD	3/13/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	0	%	EPA 515.3	-88	-88	0	30	
2017/18-2	000NONPJ	matrix spike	3/13/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	8.44	µg/L	EPA 515.3	0.09	1			
2017/18-2	000NONPJ	matrix spike, rec	3/13/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	105	%	EPA 515.3	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike dup	3/13/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	8.14	µg/L	EPA 515.3	0.09	1			
2017/18-2	000NONPJ	matrix spike dup, rec	3/13/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	102	%	EPA 515.3	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike, RPD	3/13/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	4	%	EPA 515.3	-88	-88	0	30	
2017/18-2	Lab	method blank	3/13/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1			
2017/18-2	Lab	LCS	3/13/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	8.67	µg/L	EPA 515.3	0.09	1			
2017/18-2	Lab	LCS, rec	3/13/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	108	%	EPA 515.3	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike	3/19/2018	Pesticide	4,4'-DDD	n/a	=	0.0714	µg/L	EPA 608	0.003	0.05			
2017/18-2	000NONPJ	matrix spike, rec	3/19/2018	Pesticide	4,4'-DDD	n/a	=	71	%	EPA 608	-88	-88	23	124	
2017/18-2	000NONPJ	matrix spike dup	3/19/2018	Pesticide	4,4'-DDD	n/a	=	0.0711	µg/L	EPA 608	0.003	0.05			
2017/18-2	000NONPJ	matrix spike dup, rec	3/19/2018	Pesticide	4,4'-DDD	n/a	=	71	%	EPA 608	-88	-88	23	124	
2017/18-2	000NONPJ	matrix spike, RPD	3/19/2018	Pesticide	4,4'-DDD	n/a	=	0.5	%	EPA 608	-88	-88	0	30	
2017/18-2	Lab	method blank	3/19/2018	Pesticide	4,4'-DDD	n/a	<	0.003	µg/L	EPA 608	0.003	0.05			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-2	Lab	LCS	3/19/2018	Pesticide	4,4'-DDD	n/a	=	0.092	µg/L	EPA 608	0.003	0.05			
2017/18-2	Lab	LCS, rec	3/19/2018	Pesticide	4,4'-DDD	n/a	=	92	%	EPA 608	-88	-88	42	133	
2017/18-2	000NONPJ	matrix spike	3/19/2018	Pesticide	4,4'-DDE	n/a	=	0.166	µg/L	EPA 608	0.0025	0.05			GB
2017/18-2	000NONPJ	matrix spike, rec	3/19/2018	Pesticide	4,4'-DDE	n/a	=	166	%	EPA 608	-88	-88	30	114	GB
2017/18-2	000NONPJ	matrix spike dup	3/19/2018	Pesticide	4,4'-DDE	n/a	=	0.171	µg/L	EPA 608	0.0025	0.05			GB
2017/18-2	000NONPJ	matrix spike dup, rec	3/19/2018	Pesticide	4,4'-DDE	n/a	=	171	%	EPA 608	-88	-88	30	114	GB
2017/18-2	000NONPJ	matrix spike, RPD	3/19/2018	Pesticide	4,4'-DDE	n/a	=	3	%	EPA 608	-88	-88	0	30	
2017/18-2	Lab	method blank	3/19/2018	Pesticide	4,4'-DDE	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.05			
2017/18-2	Lab	LCS	3/19/2018	Pesticide	4,4'-DDE	n/a	=	0.0831	µg/L	EPA 608	0.0025	0.05			
2017/18-2	Lab	LCS, rec	3/19/2018	Pesticide	4,4'-DDE	n/a	=	83	%	EPA 608	-88	-88	33	126	
2017/18-2	000NONPJ	matrix spike	3/19/2018	Pesticide	4,4'-DDT	n/a	=	0.0626	µg/L	EPA 608	0.0031	0.01			
2017/18-2	000NONPJ	matrix spike, rec	3/19/2018	Pesticide	4,4'-DDT	n/a	=	63	%	EPA 608	-88	-88	11	151	
2017/18-2	000NONPJ	matrix spike dup	3/19/2018	Pesticide	4,4'-DDT	n/a	=	0.0536	µg/L	EPA 608	0.0031	0.01			
2017/18-2	000NONPJ	matrix spike dup, rec	3/19/2018	Pesticide	4,4'-DDT	n/a	=	54	%	EPA 608	-88	-88	11	151	
2017/18-2	000NONPJ	matrix spike, RPD	3/19/2018	Pesticide	4,4'-DDT	n/a	=	15	%	EPA 608	-88	-88	0	30	
2017/18-2	Lab	method blank	3/19/2018	Pesticide	4,4'-DDT	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.01			
2017/18-2	Lab	LCS	3/19/2018	Pesticide	4,4'-DDT	n/a	=	0.0923	µg/L	EPA 608	0.0031	0.01			
2017/18-2	Lab	LCS, rec	3/19/2018	Pesticide	4,4'-DDT	n/a	=	92	%	EPA 608	-88	-88	35	147	
2017/18-2	000NONPJ	matrix spike	3/13/2018	Pesticide	Acifluorfen	n/a	=	4.6	µg/L	EPA 515.3	0.06	0.4			
2017/18-2	000NONPJ	matrix spike, rec	3/13/2018	Pesticide	Acifluorfen	n/a	=	115	%	EPA 515.3	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike dup	3/13/2018	Pesticide	Acifluorfen	n/a	=	4.48	µg/L	EPA 515.3	0.06	0.4			
2017/18-2	000NONPJ	matrix spike dup, rec	3/13/2018	Pesticide	Acifluorfen	n/a	=	112	%	EPA 515.3	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike, RPD	3/13/2018	Pesticide	Acifluorfen	n/a	=	3	%	EPA 515.3	-88	-88	0	30	
2017/18-2	000NONPJ	matrix spike	3/13/2018	Pesticide	Acifluorfen	n/a	=	4.2	µg/L	EPA 515.3	0.06	0.4			
2017/18-2	000NONPJ	matrix spike, rec	3/13/2018	Pesticide	Acifluorfen	n/a	=	105	%	EPA 515.3	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike dup	3/13/2018	Pesticide	Acifluorfen	n/a	=	4.08	µg/L	EPA 515.3	0.06	0.4			
2017/18-2	000NONPJ	matrix spike dup, rec	3/13/2018	Pesticide	Acifluorfen	n/a	=	102	%	EPA 515.3	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike, RPD	3/13/2018	Pesticide	Acifluorfen	n/a	=	3	%	EPA 515.3	-88	-88	0	30	
2017/18-2	Lab	method blank	3/13/2018	Pesticide	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4			
2017/18-2	Lab	LCS	3/13/2018	Pesticide	Acifluorfen	n/a	=	4.47	µg/L	EPA 515.3	0.06	0.4			
2017/18-2	Lab	LCS, rec	3/13/2018	Pesticide	Acifluorfen	n/a	=	112	%	EPA 515.3	-88	-88	70	130	
2017/18-2	Lab	method blank	3/19/2018	Pesticide	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1			
2017/18-2	Lab	LCS	3/19/2018	Pesticide	Alachlor	n/a	=	4.51	µg/L	EPA 525.2	0.022	0.1			
2017/18-2	Lab	LCS, rec	3/19/2018	Pesticide	Alachlor	n/a	=	90	%	EPA 525.2	-88	-88	70	130	
2017/18-2	Lab	LCS dup	3/19/2018	Pesticide	Alachlor	n/a	=	4.43	µg/L	EPA 525.2	0.022	0.1			
2017/18-2	Lab	LCS dup, rec	3/19/2018	Pesticide	Alachlor	n/a	=	89	%	EPA 525.2	-88	-88	70	130	
2017/18-2	Lab	LCS, RPD	3/19/2018	Pesticide	Alachlor	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2017/18-2	000NONPJ	matrix spike	3/19/2018	Pesticide	Aldrin	n/a	=	0.046	µg/L	EPA 608	0.0015	0.005			
2017/18-2	000NONPJ	matrix spike, rec	3/19/2018	Pesticide	Aldrin	n/a	=	46	%	EPA 608	-88	-88	18	110	
2017/18-2	000NONPJ	matrix spike dup	3/19/2018	Pesticide	Aldrin	n/a	=	0.0448	µg/L	EPA 608	0.0015	0.005			
2017/18-2	000NONPJ	matrix spike dup, rec	3/19/2018	Pesticide	Aldrin	n/a	=	45	%	EPA 608	-88	-88	18	110	
2017/18-2	000NONPJ	matrix spike, RPD	3/19/2018	Pesticide	Aldrin	n/a	=	2	%	EPA 608	-88	-88	0	30	
2017/18-2	Lab	method blank	3/19/2018	Pesticide	Aldrin	n/a	<	0.0015	µg/L	EPA 608	0.0015	0.005			
2017/18-2	Lab	LCS	3/19/2018	Pesticide	Aldrin	n/a	=	0.075	µg/L	EPA 608	0.0015	0.005			
2017/18-2	Lab	LCS, rec	3/19/2018	Pesticide	Aldrin	n/a	=	75	%	EPA 608	-88	-88	18	117	
2017/18-2	000NONPJ	matrix spike	3/19/2018	Pesticide	alpha-BHC	n/a	=	0.0548	µg/L	EPA 608	0.0018	0.01			
2017/18-2	000NONPJ	matrix spike, rec	3/19/2018	Pesticide	alpha-BHC	n/a	=	55	%	EPA 608	-88	-88	43	114	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-2	000NONPJ	matrix spike dup	3/19/2018	Pesticide	alpha-BHC	n/a	=	0.0555	µg/L	EPA 608	0.0018	0.01			
2017/18-2	000NONPJ	matrix spike dup, rec	3/19/2018	Pesticide	alpha-BHC	n/a	=	55	%	EPA 608	-88	-88	43	114	
2017/18-2	000NONPJ	matrix spike, RPD	3/19/2018	Pesticide	alpha-BHC	n/a	=	1	%	EPA 608	-88	-88	0	30	
2017/18-2	Lab	method blank	3/19/2018	Pesticide	alpha-BHC	n/a	<	0.0018	µg/L	EPA 608	0.0018	0.01			
2017/18-2	Lab	LCS	3/19/2018	Pesticide	alpha-BHC	n/a	=	0.0806	µg/L	EPA 608	0.0018	0.01			
2017/18-2	Lab	LCS, rec	3/19/2018	Pesticide	alpha-BHC	n/a	=	81	%	EPA 608	-88	-88	47	119	
2017/18-2	Lab	method blank	3/19/2018	Pesticide	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1			
2017/18-2	Lab	LCS	3/19/2018	Pesticide	Atrazine	n/a	=	4.25	µg/L	EPA 525.2	0.034	0.1			
2017/18-2	Lab	LCS, rec	3/19/2018	Pesticide	Atrazine	n/a	=	85	%	EPA 525.2	-88	-88	70	130	
2017/18-2	Lab	LCS dup	3/19/2018	Pesticide	Atrazine	n/a	=	4.31	µg/L	EPA 525.2	0.034	0.1			
2017/18-2	Lab	LCS dup, rec	3/19/2018	Pesticide	Atrazine	n/a	=	86	%	EPA 525.2	-88	-88	70	130	
2017/18-2	Lab	LCS, RPD	3/19/2018	Pesticide	Atrazine	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2017/18-2	000NONPJ	matrix spike	3/8/2018	Pesticide	Azinphos methyl	n/a	=	0.0475	µg/L	EPA 525.2m	0.0055	0.01			
2017/18-2	000NONPJ	matrix spike, rec	3/8/2018	Pesticide	Azinphos methyl	n/a	=	95	%	EPA 525.2m	-88	-88	0.1	154	
2017/18-2	000NONPJ	matrix spike dup	3/8/2018	Pesticide	Azinphos methyl	n/a	=	0.0459	µg/L	EPA 525.2m	0.0055	0.01			
2017/18-2	000NONPJ	matrix spike dup, rec	3/8/2018	Pesticide	Azinphos methyl	n/a	=	92	%	EPA 525.2m	-88	-88	0.1	154	
2017/18-2	000NONPJ	matrix spike, RPD	3/8/2018	Pesticide	Azinphos methyl	n/a	=	3	%	EPA 525.2m	-88	-88	0	30	
2017/18-2	000NONPJ	matrix spike	3/15/2018	Pesticide	Azinphos methyl	n/a	=	0.0474	µg/L	EPA 525.2m	0.0055	0.01			
2017/18-2	000NONPJ	matrix spike, rec	3/15/2018	Pesticide	Azinphos methyl	n/a	=	95	%	EPA 525.2m	-88	-88	0.1	154	
2017/18-2	000NONPJ	matrix spike dup	3/15/2018	Pesticide	Azinphos methyl	n/a	=	0.0439	µg/L	EPA 525.2m	0.0055	0.01			
2017/18-2	000NONPJ	matrix spike dup, rec	3/15/2018	Pesticide	Azinphos methyl	n/a	=	88	%	EPA 525.2m	-88	-88	0.1	154	
2017/18-2	000NONPJ	matrix spike, RPD	3/15/2018	Pesticide	Azinphos methyl	n/a	=	7	%	EPA 525.2m	-88	-88	0	30	
2017/18-2	Lab	method blank	3/8/2018	Pesticide	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01			
2017/18-2	Lab	LCS	3/8/2018	Pesticide	Azinphos methyl	n/a	=	0.0486	µg/L	EPA 525.2m	0.0055	0.01			
2017/18-2	Lab	LCS, rec	3/8/2018	Pesticide	Azinphos methyl	n/a	=	97	%	EPA 525.2m	-88	-88	0.1	188	
2017/18-2	Lab	method blank	3/15/2018	Pesticide	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01			
2017/18-2	Lab	LCS	3/15/2018	Pesticide	Azinphos methyl	n/a	=	0.0418	µg/L	EPA 525.2m	0.0055	0.01			
2017/18-2	Lab	LCS, rec	3/15/2018	Pesticide	Azinphos methyl	n/a	=	84	%	EPA 525.2m	-88	-88	0.1	188	
2017/18-2	000NONPJ	matrix spike	3/13/2018	Pesticide	Bentazon	n/a	=	17.1	µg/L	EPA 515.3	0.11	2			
2017/18-2	000NONPJ	matrix spike, rec	3/13/2018	Pesticide	Bentazon	n/a	=	107	%	EPA 515.3	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike dup	3/13/2018	Pesticide	Bentazon	n/a	=	18.3	µg/L	EPA 515.3	0.11	2			
2017/18-2	000NONPJ	matrix spike dup, rec	3/13/2018	Pesticide	Bentazon	n/a	=	114	%	EPA 515.3	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike, RPD	3/13/2018	Pesticide	Bentazon	n/a	=	7	%	EPA 515.3	-88	-88	0	30	
2017/18-2	000NONPJ	matrix spike	3/13/2018	Pesticide	Bentazon	n/a	=	19	µg/L	EPA 515.3	0.11	2			
2017/18-2	000NONPJ	matrix spike, rec	3/13/2018	Pesticide	Bentazon	n/a	=	119	%	EPA 515.3	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike dup	3/13/2018	Pesticide	Bentazon	n/a	=	18.3	µg/L	EPA 515.3	0.11	2			
2017/18-2	000NONPJ	matrix spike dup, rec	3/13/2018	Pesticide	Bentazon	n/a	=	115	%	EPA 515.3	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike, RPD	3/13/2018	Pesticide	Bentazon	n/a	=	4	%	EPA 515.3	-88	-88	0	30	
2017/18-2	Lab	method blank	3/13/2018	Pesticide	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2			
2017/18-2	Lab	LCS	3/13/2018	Pesticide	Bentazon	n/a	=	16.5	µg/L	EPA 515.3	0.11	2			
2017/18-2	Lab	LCS, rec	3/13/2018	Pesticide	Bentazon	n/a	=	103	%	EPA 515.3	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike	3/19/2018	Pesticide	beta-BHC	n/a	=	0.0792	µg/L	EPA 608	0.0031	0.005			
2017/18-2	000NONPJ	matrix spike, rec	3/19/2018	Pesticide	beta-BHC	n/a	=	79	%	EPA 608	-88	-88	24	135	
2017/18-2	000NONPJ	matrix spike dup	3/19/2018	Pesticide	beta-BHC	n/a	=	0.0677	µg/L	EPA 608	0.0031	0.005			
2017/18-2	000NONPJ	matrix spike dup, rec	3/19/2018	Pesticide	beta-BHC	n/a	=	68	%	EPA 608	-88	-88	24	135	
2017/18-2	000NONPJ	matrix spike, RPD	3/19/2018	Pesticide	beta-BHC	n/a	=	16	%	EPA 608	-88	-88	0	30	
2017/18-2	Lab	method blank	3/19/2018	Pesticide	beta-BHC	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.005			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-2	Lab	LCS	3/19/2018	Pesticide	beta-BHC	n/a	=	0.0928	µg/L	EPA 608	0.0031	0.005			
2017/18-2	Lab	LCS, rec	3/19/2018	Pesticide	beta-BHC	n/a	=	93	%	EPA 608	-88	-88	53	123	
2017/18-2	000NONPJ	matrix spike	3/8/2018	Pesticide	Bolstar	n/a	=	0.0316	µg/L	EPA 525.2m	0.0046	0.01			
2017/18-2	000NONPJ	matrix spike, rec	3/8/2018	Pesticide	Bolstar	n/a	=	63	%	EPA 525.2m	-88	-88	4	184	
2017/18-2	000NONPJ	matrix spike dup	3/8/2018	Pesticide	Bolstar	n/a	=	0.0324	µg/L	EPA 525.2m	0.0046	0.01			
2017/18-2	000NONPJ	matrix spike dup, rec	3/8/2018	Pesticide	Bolstar	n/a	=	65	%	EPA 525.2m	-88	-88	4	184	
2017/18-2	000NONPJ	matrix spike, RPD	3/8/2018	Pesticide	Bolstar	n/a	=	2	%	EPA 525.2m	-88	-88	0	30	
2017/18-2	000NONPJ	matrix spike	3/15/2018	Pesticide	Bolstar	n/a	=	0.0276	µg/L	EPA 525.2m	0.0046	0.01			
2017/18-2	000NONPJ	matrix spike, rec	3/15/2018	Pesticide	Bolstar	n/a	=	55	%	EPA 525.2m	-88	-88	4	184	
2017/18-2	000NONPJ	matrix spike dup	3/15/2018	Pesticide	Bolstar	n/a	=	0.0296	µg/L	EPA 525.2m	0.0046	0.01			
2017/18-2	000NONPJ	matrix spike dup, rec	3/15/2018	Pesticide	Bolstar	n/a	=	59	%	EPA 525.2m	-88	-88	4	184	
2017/18-2	000NONPJ	matrix spike, RPD	3/15/2018	Pesticide	Bolstar	n/a	=	7	%	EPA 525.2m	-88	-88	0	30	
2017/18-2	Lab	method blank	3/8/2018	Pesticide	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01			
2017/18-2	Lab	LCS	3/8/2018	Pesticide	Bolstar	n/a	=	0.0363	µg/L	EPA 525.2m	0.0046	0.01			
2017/18-2	Lab	LCS, rec	3/8/2018	Pesticide	Bolstar	n/a	=	73	%	EPA 525.2m	-88	-88	11	166	
2017/18-2	Lab	method blank	3/15/2018	Pesticide	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01			
2017/18-2	Lab	LCS	3/15/2018	Pesticide	Bolstar	n/a	=	0.0265	µg/L	EPA 525.2m	0.0046	0.01			
2017/18-2	Lab	LCS, rec	3/15/2018	Pesticide	Bolstar	n/a	=	53	%	EPA 525.2m	-88	-88	11	166	
2017/18-2	Lab	method blank	3/19/2018	Pesticide	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1			
2017/18-2	Lab	LCS	3/19/2018	Pesticide	Bromacil	n/a	=	4.73	µg/L	EPA 525.2	0.038	1			
2017/18-2	Lab	LCS, rec	3/19/2018	Pesticide	Bromacil	n/a	=	95	%	EPA 525.2	-88	-88	70	130	
2017/18-2	Lab	LCS dup	3/19/2018	Pesticide	Bromacil	n/a	=	4.91	µg/L	EPA 525.2	0.038	1			
2017/18-2	Lab	LCS dup, rec	3/19/2018	Pesticide	Bromacil	n/a	=	98	%	EPA 525.2	-88	-88	70	130	
2017/18-2	Lab	LCS, RPD	3/19/2018	Pesticide	Bromacil	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2017/18-2	Lab	method blank	3/19/2018	Pesticide	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2			
2017/18-2	Lab	LCS	3/19/2018	Pesticide	Butachlor	n/a	=	4.87	µg/L	EPA 525.2	0.017	0.2			
2017/18-2	Lab	LCS, rec	3/19/2018	Pesticide	Butachlor	n/a	=	97	%	EPA 525.2	-88	-88	70	130	
2017/18-2	Lab	LCS dup	3/19/2018	Pesticide	Butachlor	n/a	=	4.9	µg/L	EPA 525.2	0.017	0.2			
2017/18-2	Lab	LCS dup, rec	3/19/2018	Pesticide	Butachlor	n/a	=	98	%	EPA 525.2	-88	-88	70	130	
2017/18-2	Lab	LCS, RPD	3/19/2018	Pesticide	Butachlor	n/a	=	0.6	%	EPA 525.2	-88	-88	0	30	
2017/18-2	Lab	method blank	3/19/2018	Pesticide	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1			
2017/18-2	Lab	LCS	3/19/2018	Pesticide	Captan	n/a	=	4.43	µg/L	EPA 525.2	0.86	1			
2017/18-2	Lab	LCS, rec	3/19/2018	Pesticide	Captan	n/a	=	89	%	EPA 525.2	-88	-88	70	130	
2017/18-2	Lab	LCS dup	3/19/2018	Pesticide	Captan	n/a	=	4.7	µg/L	EPA 525.2	0.86	1			
2017/18-2	Lab	LCS dup, rec	3/19/2018	Pesticide	Captan	n/a	=	94	%	EPA 525.2	-88	-88	70	130	
2017/18-2	Lab	LCS, RPD	3/19/2018	Pesticide	Captan	n/a	=	6	%	EPA 525.2	-88	-88	0	30	
2017/18-2	Lab	method blank	3/19/2018	Pesticide	Chloroprotham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1			
2017/18-2	Lab	LCS	3/19/2018	Pesticide	Chloroprotham	n/a	=	3.67	µg/L	EPA 525.2	0.01	0.1			
2017/18-2	Lab	LCS, rec	3/19/2018	Pesticide	Chloroprotham	n/a	=	73	%	EPA 525.2	-88	-88	70	130	
2017/18-2	Lab	LCS dup	3/19/2018	Pesticide	Chloroprotham	n/a	=	3.74	µg/L	EPA 525.2	0.01	0.1			
2017/18-2	Lab	LCS dup, rec	3/19/2018	Pesticide	Chloroprotham	n/a	=	75	%	EPA 525.2	-88	-88	70	130	
2017/18-2	Lab	LCS, RPD	3/19/2018	Pesticide	Chloroprotham	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2017/18-2	000NONPJ	matrix spike	3/8/2018	Pesticide	Chlorpyrifos	n/a	=	0.0445	µg/L	EPA 525.2m	0.0069	0.01			
2017/18-2	000NONPJ	matrix spike, rec	3/8/2018	Pesticide	Chlorpyrifos	n/a	=	89	%	EPA 525.2m	-88	-88	37	168	
2017/18-2	000NONPJ	matrix spike dup	3/8/2018	Pesticide	Chlorpyrifos	n/a	=	0.0641	µg/L	EPA 525.2m	0.0069	0.01			
2017/18-2	000NONPJ	matrix spike dup, rec	3/8/2018	Pesticide	Chlorpyrifos	n/a	=	128	%	EPA 525.2m	-88	-88	37	168	
2017/18-2	000NONPJ	matrix spike, RPD	3/8/2018	Pesticide	Chlorpyrifos	n/a	=	36	%	EPA 525.2m	-88	-88	0	30	IL

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-2	000NONPJ	matrix spike	3/15/2018	Pesticide	Chlorpyrifos	n/a	=	0.0251	µg/L	EPA 525.2m	0.0069	0.01			
2017/18-2	000NONPJ	matrix spike, rec	3/15/2018	Pesticide	Chlorpyrifos	n/a	=	50	%	EPA 525.2m	-88	-88	37	168	
2017/18-2	000NONPJ	matrix spike dup	3/15/2018	Pesticide	Chlorpyrifos	n/a	=	0.034	µg/L	EPA 525.2m	0.0069	0.01			
2017/18-2	000NONPJ	matrix spike dup, rec	3/15/2018	Pesticide	Chlorpyrifos	n/a	=	68	%	EPA 525.2m	-88	-88	37	168	
2017/18-2	000NONPJ	matrix spike, RPD	3/15/2018	Pesticide	Chlorpyrifos	n/a	=	30	%	EPA 525.2m	-88	-88	0	30	
2017/18-2	Lab	method blank	3/8/2018	Pesticide	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01			
2017/18-2	Lab	LCS	3/8/2018	Pesticide	Chlorpyrifos	n/a	=	0.0523	µg/L	EPA 525.2m	0.0069	0.01			
2017/18-2	Lab	LCS, rec	3/8/2018	Pesticide	Chlorpyrifos	n/a	=	105	%	EPA 525.2m	-88	-88	37	169	
2017/18-2	Lab	method blank	3/15/2018	Pesticide	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01			
2017/18-2	Lab	LCS	3/15/2018	Pesticide	Chlorpyrifos	n/a	=	0.0344	µg/L	EPA 525.2m	0.0069	0.01			
2017/18-2	Lab	LCS, rec	3/15/2018	Pesticide	Chlorpyrifos	n/a	=	69	%	EPA 525.2m	-88	-88	37	169	
2017/18-2	000NONPJ	matrix spike	3/8/2018	Pesticide	Coumaphos	n/a	=	0.0477	µg/L	EPA 525.2m	0.0051	0.01			
2017/18-2	000NONPJ	matrix spike, rec	3/8/2018	Pesticide	Coumaphos	n/a	=	95	%	EPA 525.2m	-88	-88	0.1	203	
2017/18-2	000NONPJ	matrix spike dup	3/8/2018	Pesticide	Coumaphos	n/a	=	0.0424	µg/L	EPA 525.2m	0.0051	0.01			
2017/18-2	000NONPJ	matrix spike dup, rec	3/8/2018	Pesticide	Coumaphos	n/a	=	85	%	EPA 525.2m	-88	-88	0.1	203	
2017/18-2	000NONPJ	matrix spike, RPD	3/8/2018	Pesticide	Coumaphos	n/a	=	12	%	EPA 525.2m	-88	-88	0	30	
2017/18-2	000NONPJ	matrix spike	3/15/2018	Pesticide	Coumaphos	n/a	=	0.0494	µg/L	EPA 525.2m	0.0051	0.01			
2017/18-2	000NONPJ	matrix spike, rec	3/15/2018	Pesticide	Coumaphos	n/a	=	99	%	EPA 525.2m	-88	-88	0.1	203	
2017/18-2	000NONPJ	matrix spike dup	3/15/2018	Pesticide	Coumaphos	n/a	=	0.0451	µg/L	EPA 525.2m	0.0051	0.01			
2017/18-2	000NONPJ	matrix spike dup, rec	3/15/2018	Pesticide	Coumaphos	n/a	=	90	%	EPA 525.2m	-88	-88	0.1	203	
2017/18-2	000NONPJ	matrix spike, RPD	3/15/2018	Pesticide	Coumaphos	n/a	=	9	%	EPA 525.2m	-88	-88	0	30	
2017/18-2	Lab	method blank	3/8/2018	Pesticide	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01			
2017/18-2	Lab	LCS	3/8/2018	Pesticide	Coumaphos	n/a	=	0.0469	µg/L	EPA 525.2m	0.0051	0.01			
2017/18-2	Lab	LCS, rec	3/8/2018	Pesticide	Coumaphos	n/a	=	94	%	EPA 525.2m	-88	-88	0.1	225	
2017/18-2	Lab	method blank	3/15/2018	Pesticide	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01			
2017/18-2	Lab	LCS	3/15/2018	Pesticide	Coumaphos	n/a	=	0.0441	µg/L	EPA 525.2m	0.0051	0.01			
2017/18-2	Lab	LCS, rec	3/15/2018	Pesticide	Coumaphos	n/a	=	88	%	EPA 525.2m	-88	-88	0.1	225	
2017/18-2	Lab	method blank	3/19/2018	Pesticide	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2017/18-2	Lab	LCS	3/19/2018	Pesticide	Cyanazine	n/a	=	4.14	µg/L	EPA 525.2	0.024	0.1			
2017/18-2	Lab	LCS, rec	3/19/2018	Pesticide	Cyanazine	n/a	=	83	%	EPA 525.2	-88	-88	70	130	
2017/18-2	Lab	LCS dup	3/19/2018	Pesticide	Cyanazine	n/a	=	4.26	µg/L	EPA 525.2	0.024	0.1			
2017/18-2	Lab	LCS dup, rec	3/19/2018	Pesticide	Cyanazine	n/a	=	85	%	EPA 525.2	-88	-88	70	130	
2017/18-2	Lab	LCS, RPD	3/19/2018	Pesticide	Cyanazine	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2017/18-2	000NONPJ	matrix spike	3/13/2018	Pesticide	Dalapon	n/a	=	8.55	µg/L	EPA 515.3	0.1	0.4			
2017/18-2	000NONPJ	matrix spike, rec	3/13/2018	Pesticide	Dalapon	n/a	=	107	%	EPA 515.3	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike dup	3/13/2018	Pesticide	Dalapon	n/a	=	8.67	µg/L	EPA 515.3	0.1	0.4			
2017/18-2	000NONPJ	matrix spike dup, rec	3/13/2018	Pesticide	Dalapon	n/a	=	108	%	EPA 515.3	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike, RPD	3/13/2018	Pesticide	Dalapon	n/a	=	1	%	EPA 515.3	-88	-88	0	30	
2017/18-2	000NONPJ	matrix spike	3/13/2018	Pesticide	Dalapon	n/a	=	9.1	µg/L	EPA 515.3	0.1	0.4			
2017/18-2	000NONPJ	matrix spike, rec	3/13/2018	Pesticide	Dalapon	n/a	=	114	%	EPA 515.3	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike dup	3/13/2018	Pesticide	Dalapon	n/a	=	9.05	µg/L	EPA 515.3	0.1	0.4			
2017/18-2	000NONPJ	matrix spike dup, rec	3/13/2018	Pesticide	Dalapon	n/a	=	113	%	EPA 515.3	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike, RPD	3/13/2018	Pesticide	Dalapon	n/a	=	0.6	%	EPA 515.3	-88	-88	0	30	
2017/18-2	Lab	method blank	3/13/2018	Pesticide	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4			
2017/18-2	Lab	LCS	3/13/2018	Pesticide	Dalapon	n/a	=	8.99	µg/L	EPA 515.3	0.1	0.4			
2017/18-2	Lab	LCS, rec	3/13/2018	Pesticide	Dalapon	n/a	=	112	%	EPA 515.3	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike	3/13/2018	Pesticide	DCPA (Dacthal)	n/a	=	4.46	µg/L	EPA 515.3	0.07	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-2	000NONPJ	matrix spike, rec	3/13/2018	Pesticide	DCPA (Dacthal)	n/a	=	111	%	EPA 515.3	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike dup	3/13/2018	Pesticide	DCPA (Dacthal)	n/a	=	4.44	µg/L	EPA 515.3	0.07	0.1			
2017/18-2	000NONPJ	matrix spike dup, rec	3/13/2018	Pesticide	DCPA (Dacthal)	n/a	=	111	%	EPA 515.3	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike, RPD	3/13/2018	Pesticide	DCPA (Dacthal)	n/a	=	0.5	%	EPA 515.3	-88	-88	0	30	
2017/18-2	000NONPJ	matrix spike	3/13/2018	Pesticide	DCPA (Dacthal)	n/a	=	3.82	µg/L	EPA 515.3	0.07	0.1			
2017/18-2	000NONPJ	matrix spike, rec	3/13/2018	Pesticide	DCPA (Dacthal)	n/a	=	96	%	EPA 515.3	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike dup	3/13/2018	Pesticide	DCPA (Dacthal)	n/a	=	3.68	µg/L	EPA 515.3	0.07	0.1			
2017/18-2	000NONPJ	matrix spike dup, rec	3/13/2018	Pesticide	DCPA (Dacthal)	n/a	=	92	%	EPA 515.3	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike, RPD	3/13/2018	Pesticide	DCPA (Dacthal)	n/a	=	4	%	EPA 515.3	-88	-88	0	30	
2017/18-2	Lab	method blank	3/13/2018	Pesticide	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1			
2017/18-2	Lab	LCS	3/13/2018	Pesticide	DCPA (Dacthal)	n/a	=	4.36	µg/L	EPA 515.3	0.07	0.1			
2017/18-2	Lab	LCS, rec	3/13/2018	Pesticide	DCPA (Dacthal)	n/a	=	109	%	EPA 515.3	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike	3/19/2018	Pesticide	delta-BHC	n/a	=	0.0553	µg/L	EPA 608	0.0025	0.005			
2017/18-2	000NONPJ	matrix spike, rec	3/19/2018	Pesticide	delta-BHC	n/a	=	55	%	EPA 608	-88	-88	37	122	
2017/18-2	000NONPJ	matrix spike dup	3/19/2018	Pesticide	delta-BHC	n/a	=	0.054	µg/L	EPA 608	0.0025	0.005			
2017/18-2	000NONPJ	matrix spike dup, rec	3/19/2018	Pesticide	delta-BHC	n/a	=	54	%	EPA 608	-88	-88	37	122	
2017/18-2	000NONPJ	matrix spike, RPD	3/19/2018	Pesticide	delta-BHC	n/a	=	2	%	EPA 608	-88	-88	0	30	
2017/18-2	Lab	method blank	3/19/2018	Pesticide	delta-BHC	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.005			
2017/18-2	Lab	LCS	3/19/2018	Pesticide	delta-BHC	n/a	=	0.0937	µg/L	EPA 608	0.0025	0.005			
2017/18-2	Lab	LCS, rec	3/19/2018	Pesticide	delta-BHC	n/a	=	94	%	EPA 608	-88	-88	51	123	
2017/18-2	000NONPJ	matrix spike	3/8/2018	Pesticide	Demeton-O	n/a	=	0.0472	µg/L	EPA 525.2m	0.01	0.01			
2017/18-2	000NONPJ	matrix spike, rec	3/8/2018	Pesticide	Demeton-O	n/a	=	94	%	EPA 525.2m	-88	-88	0.1	208	
2017/18-2	000NONPJ	matrix spike dup	3/8/2018	Pesticide	Demeton-O	n/a	=	0.0471	µg/L	EPA 525.2m	0.01	0.01			
2017/18-2	000NONPJ	matrix spike dup, rec	3/8/2018	Pesticide	Demeton-O	n/a	=	94	%	EPA 525.2m	-88	-88	0.1	208	
2017/18-2	000NONPJ	matrix spike, RPD	3/8/2018	Pesticide	Demeton-O	n/a	=	0.09	%	EPA 525.2m	-88	-88	0	30	
2017/18-2	000NONPJ	matrix spike	3/15/2018	Pesticide	Demeton-O	n/a	=	0.05	µg/L	EPA 525.2m	0.01	0.01			
2017/18-2	000NONPJ	matrix spike, rec	3/15/2018	Pesticide	Demeton-O	n/a	=	100	%	EPA 525.2m	-88	-88	0.1	208	
2017/18-2	000NONPJ	matrix spike dup	3/15/2018	Pesticide	Demeton-O	n/a	=	0.0391	µg/L	EPA 525.2m	0.01	0.01			
2017/18-2	000NONPJ	matrix spike dup, rec	3/15/2018	Pesticide	Demeton-O	n/a	=	78	%	EPA 525.2m	-88	-88	0.1	208	
2017/18-2	000NONPJ	matrix spike, RPD	3/15/2018	Pesticide	Demeton-O	n/a	=	24	%	EPA 525.2m	-88	-88	0	30	
2017/18-2	Lab	method blank	3/8/2018	Pesticide	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2017/18-2	Lab	LCS	3/8/2018	Pesticide	Demeton-O	n/a	=	0.0419	µg/L	EPA 525.2m	0.01	0.01			
2017/18-2	Lab	LCS, rec	3/8/2018	Pesticide	Demeton-O	n/a	=	84	%	EPA 525.2m	-88	-88	0.1	211	
2017/18-2	Lab	method blank	3/15/2018	Pesticide	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2017/18-2	Lab	LCS	3/15/2018	Pesticide	Demeton-O	n/a	=	0.03	µg/L	EPA 525.2m	0.01	0.01			
2017/18-2	Lab	LCS, rec	3/15/2018	Pesticide	Demeton-O	n/a	=	60	%	EPA 525.2m	-88	-88	0.1	211	
2017/18-2	000NONPJ	matrix spike	3/8/2018	Pesticide	Demeton-S	n/a	=	0.0574	µg/L	EPA 525.2m	0.01	0.01			
2017/18-2	000NONPJ	matrix spike, rec	3/8/2018	Pesticide	Demeton-S	n/a	=	115	%	EPA 525.2m	-88	-88	0.1	207	
2017/18-2	000NONPJ	matrix spike dup	3/8/2018	Pesticide	Demeton-S	n/a	=	0.0751	µg/L	EPA 525.2m	0.01	0.01			
2017/18-2	000NONPJ	matrix spike dup, rec	3/8/2018	Pesticide	Demeton-S	n/a	=	150	%	EPA 525.2m	-88	-88	0.1	207	
2017/18-2	000NONPJ	matrix spike, RPD	3/8/2018	Pesticide	Demeton-S	n/a	=	27	%	EPA 525.2m	-88	-88	0	30	
2017/18-2	000NONPJ	matrix spike	3/15/2018	Pesticide	Demeton-S	n/a	=	0.0411	µg/L	EPA 525.2m	0.01	0.01			
2017/18-2	000NONPJ	matrix spike, rec	3/15/2018	Pesticide	Demeton-S	n/a	=	82	%	EPA 525.2m	-88	-88	0.1	207	
2017/18-2	000NONPJ	matrix spike dup	3/15/2018	Pesticide	Demeton-S	n/a	=	0.0497	µg/L	EPA 525.2m	0.01	0.01			
2017/18-2	000NONPJ	matrix spike dup, rec	3/15/2018	Pesticide	Demeton-S	n/a	=	99	%	EPA 525.2m	-88	-88	0.1	207	
2017/18-2	000NONPJ	matrix spike, RPD	3/15/2018	Pesticide	Demeton-S	n/a	=	19	%	EPA 525.2m	-88	-88	0	30	
2017/18-2	Lab	method blank	3/8/2018	Pesticide	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-2	Lab	LCS	3/8/2018	Pesticide	Demeton-S	n/a	=	0.065	µg/L	EPA 525.2m	0.01	0.01			
2017/18-2	Lab	LCS, rec	3/8/2018	Pesticide	Demeton-S	n/a	=	130	%	EPA 525.2m	-88	-88	0.1	213	
2017/18-2	Lab	method blank	3/15/2018	Pesticide	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2017/18-2	Lab	LCS	3/15/2018	Pesticide	Demeton-S	n/a	=	0.0374	µg/L	EPA 525.2m	0.01	0.01			
2017/18-2	Lab	LCS, rec	3/15/2018	Pesticide	Demeton-S	n/a	=	75	%	EPA 525.2m	-88	-88	0.1	213	
2017/18-2	000NONPJ	matrix spike	3/8/2018	Pesticide	Diazinon	n/a	=	0.0432	µg/L	EPA 525.2m	0.0052	0.01			
2017/18-2	000NONPJ	matrix spike, rec	3/8/2018	Pesticide	Diazinon	n/a	=	86	%	EPA 525.2m	-88	-88	36	153	
2017/18-2	000NONPJ	matrix spike dup	3/8/2018	Pesticide	Diazinon	n/a	=	0.0543	µg/L	EPA 525.2m	0.0052	0.01			
2017/18-2	000NONPJ	matrix spike dup, rec	3/8/2018	Pesticide	Diazinon	n/a	=	109	%	EPA 525.2m	-88	-88	36	153	
2017/18-2	000NONPJ	matrix spike, RPD	3/8/2018	Pesticide	Diazinon	n/a	=	23	%	EPA 525.2m	-88	-88	0	30	
2017/18-2	000NONPJ	matrix spike	3/15/2018	Pesticide	Diazinon	n/a	=	0.0335	µg/L	EPA 525.2m	0.0052	0.01			
2017/18-2	000NONPJ	matrix spike, rec	3/15/2018	Pesticide	Diazinon	n/a	=	67	%	EPA 525.2m	-88	-88	36	153	
2017/18-2	000NONPJ	matrix spike dup	3/15/2018	Pesticide	Diazinon	n/a	=	0.034	µg/L	EPA 525.2m	0.0052	0.01			
2017/18-2	000NONPJ	matrix spike dup, rec	3/15/2018	Pesticide	Diazinon	n/a	=	68	%	EPA 525.2m	-88	-88	36	153	
2017/18-2	000NONPJ	matrix spike, RPD	3/15/2018	Pesticide	Diazinon	n/a	=	1	%	EPA 525.2m	-88	-88	0	30	
2017/18-2	Lab	method blank	3/8/2018	Pesticide	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01			
2017/18-2	Lab	LCS	3/8/2018	Pesticide	Diazinon	n/a	=	0.0481	µg/L	EPA 525.2m	0.0052	0.01			
2017/18-2	Lab	LCS, rec	3/8/2018	Pesticide	Diazinon	n/a	=	96	%	EPA 525.2m	-88	-88	43	152	
2017/18-2	Lab	method blank	3/15/2018	Pesticide	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01			
2017/18-2	Lab	LCS	3/15/2018	Pesticide	Diazinon	n/a	=	0.0281	µg/L	EPA 525.2m	0.0052	0.01			
2017/18-2	Lab	LCS, rec	3/15/2018	Pesticide	Diazinon	n/a	=	56	%	EPA 525.2m	-88	-88	43	152	
2017/18-2	Lab	method blank	3/19/2018	Pesticide	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1			
2017/18-2	Lab	LCS	3/19/2018	Pesticide	Diazinon	n/a	=	3.86	µg/L	EPA 525.2	0.096	0.1			
2017/18-2	Lab	LCS, rec	3/19/2018	Pesticide	Diazinon	n/a	=	77	%	EPA 525.2	-88	-88	50	120	
2017/18-2	Lab	LCS dup	3/19/2018	Pesticide	Diazinon	n/a	=	3.8	µg/L	EPA 525.2	0.096	0.1			
2017/18-2	Lab	LCS dup, rec	3/19/2018	Pesticide	Diazinon	n/a	=	76	%	EPA 525.2	-88	-88	50	120	
2017/18-2	Lab	LCS, RPD	3/19/2018	Pesticide	Diazinon	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2017/18-2	000NONPJ	matrix spike	3/13/2018	Pesticide	Dicamba	n/a	=	8.83	µg/L	EPA 515.3	0.12	0.6			
2017/18-2	000NONPJ	matrix spike, rec	3/13/2018	Pesticide	Dicamba	n/a	=	110	%	EPA 515.3	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike dup	3/13/2018	Pesticide	Dicamba	n/a	=	8.87	µg/L	EPA 515.3	0.12	0.6			
2017/18-2	000NONPJ	matrix spike dup, rec	3/13/2018	Pesticide	Dicamba	n/a	=	111	%	EPA 515.3	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike, RPD	3/13/2018	Pesticide	Dicamba	n/a	=	0.5	%	EPA 515.3	-88	-88	0	30	
2017/18-2	000NONPJ	matrix spike	3/13/2018	Pesticide	Dicamba	n/a	=	8.52	µg/L	EPA 515.3	0.12	0.6			
2017/18-2	000NONPJ	matrix spike, rec	3/13/2018	Pesticide	Dicamba	n/a	=	107	%	EPA 515.3	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike dup	3/13/2018	Pesticide	Dicamba	n/a	=	8.32	µg/L	EPA 515.3	0.12	0.6			
2017/18-2	000NONPJ	matrix spike dup, rec	3/13/2018	Pesticide	Dicamba	n/a	=	104	%	EPA 515.3	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike, RPD	3/13/2018	Pesticide	Dicamba	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2017/18-2	Lab	method blank	3/13/2018	Pesticide	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6			
2017/18-2	Lab	LCS	3/13/2018	Pesticide	Dicamba	n/a	=	8.74	µg/L	EPA 515.3	0.12	0.6			
2017/18-2	Lab	LCS, rec	3/13/2018	Pesticide	Dicamba	n/a	=	109	%	EPA 515.3	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike	3/13/2018	Pesticide	Dichlorprop	n/a	=	8.8	µg/L	EPA 515.3	0.08	0.3			
2017/18-2	000NONPJ	matrix spike, rec	3/13/2018	Pesticide	Dichlorprop	n/a	=	110	%	EPA 515.3	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike dup	3/13/2018	Pesticide	Dichlorprop	n/a	=	8.64	µg/L	EPA 515.3	0.08	0.3			
2017/18-2	000NONPJ	matrix spike dup, rec	3/13/2018	Pesticide	Dichlorprop	n/a	=	108	%	EPA 515.3	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike, RPD	3/13/2018	Pesticide	Dichlorprop	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2017/18-2	000NONPJ	matrix spike	3/13/2018	Pesticide	Dichlorprop	n/a	=	9.73	µg/L	EPA 515.3	0.08	0.3			
2017/18-2	000NONPJ	matrix spike, rec	3/13/2018	Pesticide	Dichlorprop	n/a	=	122	%	EPA 515.3	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-2	000NONPJ	matrix spike dup	3/13/2018	Pesticide	Dichlorprop	n/a	=	8.34	µg/L	EPA 515.3	0.08	0.3			
2017/18-2	000NONPJ	matrix spike dup, rec	3/13/2018	Pesticide	Dichlorprop	n/a	=	104	%	EPA 515.3	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike, RPD	3/13/2018	Pesticide	Dichlorprop	n/a	=	15	%	EPA 515.3	-88	-88	0	30	
2017/18-2	Lab	method blank	3/13/2018	Pesticide	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3			
2017/18-2	Lab	LCS	3/13/2018	Pesticide	Dichlorprop	n/a	=	8.69	µg/L	EPA 515.3	0.08	0.3			
2017/18-2	Lab	LCS, rec	3/13/2018	Pesticide	Dichlorprop	n/a	=	109	%	EPA 515.3	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike	3/8/2018	Pesticide	Dichlorvos	n/a	=	0.0375	µg/L	EPA 525.2m	0.0029	0.01			
2017/18-2	000NONPJ	matrix spike, rec	3/8/2018	Pesticide	Dichlorvos	n/a	=	75	%	EPA 525.2m	-88	-88	42	137	
2017/18-2	000NONPJ	matrix spike dup	3/8/2018	Pesticide	Dichlorvos	n/a	=	0.0345	µg/L	EPA 525.2m	0.0029	0.01			
2017/18-2	000NONPJ	matrix spike dup, rec	3/8/2018	Pesticide	Dichlorvos	n/a	=	69	%	EPA 525.2m	-88	-88	42	137	
2017/18-2	000NONPJ	matrix spike, RPD	3/8/2018	Pesticide	Dichlorvos	n/a	=	8	%	EPA 525.2m	-88	-88	0	30	
2017/18-2	000NONPJ	matrix spike	3/15/2018	Pesticide	Dichlorvos	n/a	=	0.038	µg/L	EPA 525.2m	0.0029	0.01			
2017/18-2	000NONPJ	matrix spike, rec	3/15/2018	Pesticide	Dichlorvos	n/a	=	76	%	EPA 525.2m	-88	-88	42	137	
2017/18-2	000NONPJ	matrix spike dup	3/15/2018	Pesticide	Dichlorvos	n/a	=	0.0374	µg/L	EPA 525.2m	0.0029	0.01			
2017/18-2	000NONPJ	matrix spike dup, rec	3/15/2018	Pesticide	Dichlorvos	n/a	=	75	%	EPA 525.2m	-88	-88	42	137	
2017/18-2	000NONPJ	matrix spike, RPD	3/15/2018	Pesticide	Dichlorvos	n/a	=	2	%	EPA 525.2m	-88	-88	0	30	
2017/18-2	Lab	method blank	3/8/2018	Pesticide	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01			
2017/18-2	Lab	LCS	3/8/2018	Pesticide	Dichlorvos	n/a	=	0.0499	µg/L	EPA 525.2m	0.0029	0.01			
2017/18-2	Lab	LCS, rec	3/8/2018	Pesticide	Dichlorvos	n/a	=	100	%	EPA 525.2m	-88	-88	46	133	
2017/18-2	Lab	method blank	3/15/2018	Pesticide	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01			
2017/18-2	Lab	LCS	3/15/2018	Pesticide	Dichlorvos	n/a	=	0.034	µg/L	EPA 525.2m	0.0029	0.01			
2017/18-2	Lab	LCS, rec	3/15/2018	Pesticide	Dichlorvos	n/a	=	68	%	EPA 525.2m	-88	-88	46	133	
2017/18-2	000NONPJ	matrix spike	3/19/2018	Pesticide	Dieldrin	n/a	=	0.0898	µg/L	EPA 608	0.0021	0.01			
2017/18-2	000NONPJ	matrix spike, rec	3/19/2018	Pesticide	Dieldrin	n/a	=	90	%	EPA 608	-88	-88	27	132	
2017/18-2	000NONPJ	matrix spike dup	3/19/2018	Pesticide	Dieldrin	n/a	=	0.0834	µg/L	EPA 608	0.0021	0.01			
2017/18-2	000NONPJ	matrix spike dup, rec	3/19/2018	Pesticide	Dieldrin	n/a	=	83	%	EPA 608	-88	-88	27	132	
2017/18-2	000NONPJ	matrix spike, RPD	3/19/2018	Pesticide	Dieldrin	n/a	=	7	%	EPA 608	-88	-88	0	30	
2017/18-2	Lab	method blank	3/19/2018	Pesticide	Dieldrin	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.01			
2017/18-2	Lab	LCS	3/19/2018	Pesticide	Dieldrin	n/a	=	0.0839	µg/L	EPA 608	0.0021	0.01			
2017/18-2	Lab	LCS, rec	3/19/2018	Pesticide	Dieldrin	n/a	=	84	%	EPA 608	-88	-88	48	123	
2017/18-2	000NONPJ	matrix spike	3/8/2018	Pesticide	Dimethoate	n/a	=	0.0548	µg/L	EPA 525.2m	0.0062	0.01			
2017/18-2	000NONPJ	matrix spike, rec	3/8/2018	Pesticide	Dimethoate	n/a	=	110	%	EPA 525.2m	-88	-88	4	222	
2017/18-2	000NONPJ	matrix spike dup	3/8/2018	Pesticide	Dimethoate	n/a	=	0.062	µg/L	EPA 525.2m	0.0062	0.01			
2017/18-2	000NONPJ	matrix spike dup, rec	3/8/2018	Pesticide	Dimethoate	n/a	=	124	%	EPA 525.2m	-88	-88	4	222	
2017/18-2	000NONPJ	matrix spike, RPD	3/8/2018	Pesticide	Dimethoate	n/a	=	12	%	EPA 525.2m	-88	-88	0	30	
2017/18-2	000NONPJ	matrix spike	3/15/2018	Pesticide	Dimethoate	n/a	=	0.0307	µg/L	EPA 525.2m	0.0062	0.01			
2017/18-2	000NONPJ	matrix spike, rec	3/15/2018	Pesticide	Dimethoate	n/a	=	61	%	EPA 525.2m	-88	-88	4	222	
2017/18-2	000NONPJ	matrix spike dup	3/15/2018	Pesticide	Dimethoate	n/a	=	0.0406	µg/L	EPA 525.2m	0.0062	0.01			
2017/18-2	000NONPJ	matrix spike dup, rec	3/15/2018	Pesticide	Dimethoate	n/a	=	81	%	EPA 525.2m	-88	-88	4	222	
2017/18-2	000NONPJ	matrix spike, RPD	3/15/2018	Pesticide	Dimethoate	n/a	=	28	%	EPA 525.2m	-88	-88	0	30	
2017/18-2	Lab	method blank	3/8/2018	Pesticide	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01			
2017/18-2	Lab	LCS	3/8/2018	Pesticide	Dimethoate	n/a	=	0.0541	µg/L	EPA 525.2m	0.0062	0.01			
2017/18-2	Lab	LCS, rec	3/8/2018	Pesticide	Dimethoate	n/a	=	108	%	EPA 525.2m	-88	-88	10	234	
2017/18-2	Lab	method blank	3/15/2018	Pesticide	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01			
2017/18-2	Lab	LCS	3/15/2018	Pesticide	Dimethoate	n/a	=	0.0249	µg/L	EPA 525.2m	0.0062	0.01			
2017/18-2	Lab	LCS, rec	3/15/2018	Pesticide	Dimethoate	n/a	=	50	%	EPA 525.2m	-88	-88	10	234	
2017/18-2	Lab	method blank	3/20/2018	Pesticide	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-2	Lab	LCS	3/20/2018	Pesticide	Dimethoate	n/a	=	3.81	µg/L	EPA 525.2	0.024	0.2			
2017/18-2	Lab	LCS, rec	3/20/2018	Pesticide	Dimethoate	n/a	=	76	%	EPA 525.2	-88	-88	50	120	
2017/18-2	Lab	LCS dup	3/20/2018	Pesticide	Dimethoate	n/a	=	4.17	µg/L	EPA 525.2	0.024	0.2			
2017/18-2	Lab	LCS dup, rec	3/20/2018	Pesticide	Dimethoate	n/a	=	83	%	EPA 525.2	-88	-88	50	120	
2017/18-2	Lab	LCS, RPD	3/20/2018	Pesticide	Dimethoate	n/a	=	9	%	EPA 525.2	-88	-88	0	30	
2017/18-2	000NONPJ	matrix spike	3/13/2018	Pesticide	Dinoseb	n/a	=	4.61	µg/L	EPA 515.3	0.14	0.4			
2017/18-2	000NONPJ	matrix spike, rec	3/13/2018	Pesticide	Dinoseb	n/a	=	115	%	EPA 515.3	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike dup	3/13/2018	Pesticide	Dinoseb	n/a	=	4.54	µg/L	EPA 515.3	0.14	0.4			
2017/18-2	000NONPJ	matrix spike dup, rec	3/13/2018	Pesticide	Dinoseb	n/a	=	114	%	EPA 515.3	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike, RPD	3/13/2018	Pesticide	Dinoseb	n/a	=	1	%	EPA 515.3	-88	-88	0	30	
2017/18-2	000NONPJ	matrix spike	3/13/2018	Pesticide	Dinoseb	n/a	=	4.46	µg/L	EPA 515.3	0.14	0.4			
2017/18-2	000NONPJ	matrix spike, rec	3/13/2018	Pesticide	Dinoseb	n/a	=	112	%	EPA 515.3	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike dup	3/13/2018	Pesticide	Dinoseb	n/a	=	4.07	µg/L	EPA 515.3	0.14	0.4			
2017/18-2	000NONPJ	matrix spike dup, rec	3/13/2018	Pesticide	Dinoseb	n/a	=	102	%	EPA 515.3	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike, RPD	3/13/2018	Pesticide	Dinoseb	n/a	=	9	%	EPA 515.3	-88	-88	0	30	
2017/18-2	Lab	method blank	3/13/2018	Pesticide	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4			
2017/18-2	Lab	LCS	3/13/2018	Pesticide	Dinoseb	n/a	=	4.59	µg/L	EPA 515.3	0.14	0.4			
2017/18-2	Lab	LCS, rec	3/13/2018	Pesticide	Dinoseb	n/a	=	115	%	EPA 515.3	-88	-88	70	130	
2017/18-2	Lab	method blank	3/19/2018	Pesticide	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2017/18-2	Lab	LCS	3/19/2018	Pesticide	Diphenamid	n/a	=	4.76	µg/L	EPA 525.2	0.024	0.1			
2017/18-2	Lab	LCS, rec	3/19/2018	Pesticide	Diphenamid	n/a	=	95	%	EPA 525.2	-88	-88	70	130	
2017/18-2	Lab	LCS dup	3/19/2018	Pesticide	Diphenamid	n/a	=	4.98	µg/L	EPA 525.2	0.024	0.1			
2017/18-2	Lab	LCS dup, rec	3/19/2018	Pesticide	Diphenamid	n/a	=	100	%	EPA 525.2	-88	-88	70	130	
2017/18-2	Lab	LCS, RPD	3/19/2018	Pesticide	Diphenamid	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2017/18-2	000NONPJ	matrix spike	3/8/2018	Pesticide	Disulfoton	n/a	=	0.0352	µg/L	EPA 525.2m	0.01	0.01			
2017/18-2	000NONPJ	matrix spike, rec	3/8/2018	Pesticide	Disulfoton	n/a	=	70	%	EPA 525.2m	-88	-88	12	199	
2017/18-2	000NONPJ	matrix spike dup	3/8/2018	Pesticide	Disulfoton	n/a	=	0.0419	µg/L	EPA 525.2m	0.01	0.01			
2017/18-2	000NONPJ	matrix spike dup, rec	3/8/2018	Pesticide	Disulfoton	n/a	=	84	%	EPA 525.2m	-88	-88	12	199	
2017/18-2	000NONPJ	matrix spike, RPD	3/8/2018	Pesticide	Disulfoton	n/a	=	17	%	EPA 525.2m	-88	-88	0	30	
2017/18-2	000NONPJ	matrix spike	3/15/2018	Pesticide	Disulfoton	n/a	=	0.0277	µg/L	EPA 525.2m	0.01	0.01			
2017/18-2	000NONPJ	matrix spike, rec	3/15/2018	Pesticide	Disulfoton	n/a	=	55	%	EPA 525.2m	-88	-88	12	199	
2017/18-2	000NONPJ	matrix spike dup	3/15/2018	Pesticide	Disulfoton	n/a	=	0.0305	µg/L	EPA 525.2m	0.01	0.01			
2017/18-2	000NONPJ	matrix spike dup, rec	3/15/2018	Pesticide	Disulfoton	n/a	=	61	%	EPA 525.2m	-88	-88	12	199	
2017/18-2	000NONPJ	matrix spike, RPD	3/15/2018	Pesticide	Disulfoton	n/a	=	10	%	EPA 525.2m	-88	-88	0	30	
2017/18-2	Lab	method blank	3/8/2018	Pesticide	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2017/18-2	Lab	LCS	3/8/2018	Pesticide	Disulfoton	n/a	=	0.0462	µg/L	EPA 525.2m	0.01	0.01			
2017/18-2	Lab	LCS, rec	3/8/2018	Pesticide	Disulfoton	n/a	=	92	%	EPA 525.2m	-88	-88	0.1	212	
2017/18-2	Lab	method blank	3/15/2018	Pesticide	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2017/18-2	Lab	LCS	3/15/2018	Pesticide	Disulfoton	n/a	=	0.0228	µg/L	EPA 525.2m	0.01	0.01			
2017/18-2	Lab	LCS, rec	3/15/2018	Pesticide	Disulfoton	n/a	=	46	%	EPA 525.2m	-88	-88	0.1	212	
2017/18-2	Lab	method blank	3/19/2018	Pesticide	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1			
2017/18-2	Lab	LCS	3/19/2018	Pesticide	Disulfoton	n/a	=	7.25	µg/L	EPA 525.2	0.031	0.1			EUM
2017/18-2	Lab	LCS, rec	3/19/2018	Pesticide	Disulfoton	n/a	=	145	%	EPA 525.2	-88	-88	50	120	EUM
2017/18-2	Lab	LCS dup	3/19/2018	Pesticide	Disulfoton	n/a	=	7.31	µg/L	EPA 525.2	0.031	0.1			EUM
2017/18-2	Lab	LCS dup, rec	3/19/2018	Pesticide	Disulfoton	n/a	=	146	%	EPA 525.2	-88	-88	50	120	EUM
2017/18-2	Lab	LCS, RPD	3/19/2018	Pesticide	Disulfoton	n/a	=	0.8	%	EPA 525.2	-88	-88	0	30	
2017/18-2	000NONPJ	matrix spike	3/19/2018	Pesticide	Endosulfan I	n/a	=	0.0671	µg/L	EPA 608	0.0017	0.02			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-2	000NONPJ	matrix spike, rec	3/19/2018	Pesticide	Endosulfan I	n/a	=	67	%	EPA 608	-88	-88	0.1	140	
2017/18-2	000NONPJ	matrix spike dup	3/19/2018	Pesticide	Endosulfan I	n/a	=	0.0708	µg/L	EPA 608	0.0017	0.02			
2017/18-2	000NONPJ	matrix spike dup, rec	3/19/2018	Pesticide	Endosulfan I	n/a	=	71	%	EPA 608	-88	-88	0.1	140	
2017/18-2	000NONPJ	matrix spike, RPD	3/19/2018	Pesticide	Endosulfan I	n/a	=	5	%	EPA 608	-88	-88	0	30	
2017/18-2	Lab	method blank	3/19/2018	Pesticide	Endosulfan I	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.02			
2017/18-2	Lab	LCS	3/19/2018	Pesticide	Endosulfan I	n/a	=	0.0813	µg/L	EPA 608	0.0017	0.02			
2017/18-2	Lab	LCS, rec	3/19/2018	Pesticide	Endosulfan I	n/a	=	81	%	EPA 608	-88	-88	14	131	
2017/18-2	000NONPJ	matrix spike	3/19/2018	Pesticide	Endosulfan II	n/a	=	0.0601	µg/L	EPA 608	0.0019	0.01			
2017/18-2	000NONPJ	matrix spike, rec	3/19/2018	Pesticide	Endosulfan II	n/a	=	60	%	EPA 608	-88	-88	17	122	
2017/18-2	000NONPJ	matrix spike dup	3/19/2018	Pesticide	Endosulfan II	n/a	=	0.0589	µg/L	EPA 608	0.0019	0.01			
2017/18-2	000NONPJ	matrix spike dup, rec	3/19/2018	Pesticide	Endosulfan II	n/a	=	59	%	EPA 608	-88	-88	17	122	
2017/18-2	000NONPJ	matrix spike, RPD	3/19/2018	Pesticide	Endosulfan II	n/a	=	2	%	EPA 608	-88	-88	0	30	
2017/18-2	Lab	method blank	3/19/2018	Pesticide	Endosulfan II	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01			
2017/18-2	Lab	LCS	3/19/2018	Pesticide	Endosulfan II	n/a	=	0.0867	µg/L	EPA 608	0.0019	0.01			
2017/18-2	Lab	LCS, rec	3/19/2018	Pesticide	Endosulfan II	n/a	=	87	%	EPA 608	-88	-88	40	121	
2017/18-2	000NONPJ	matrix spike	3/19/2018	Pesticide	Endosulfan sulfate	n/a	DNQ	0.0409	µg/L	EPA 608	0.008	0.05			
2017/18-2	000NONPJ	matrix spike, rec	3/19/2018	Pesticide	Endosulfan sulfate	n/a	=	41	%	EPA 608	-88	-88	37	131	
2017/18-2	000NONPJ	matrix spike dup	3/19/2018	Pesticide	Endosulfan sulfate	n/a	DNQ	0.038	µg/L	EPA 608	0.008	0.05			
2017/18-2	000NONPJ	matrix spike dup, rec	3/19/2018	Pesticide	Endosulfan sulfate	n/a	=	38	%	EPA 608	-88	-88	37	131	
2017/18-2	000NONPJ	matrix spike, RPD	3/19/2018	Pesticide	Endosulfan sulfate	n/a	=	7	%	EPA 608	-88	-88	0	30	
2017/18-2	Lab	method blank	3/19/2018	Pesticide	Endosulfan sulfate	n/a	<	0.008	µg/L	EPA 608	0.008	0.05			
2017/18-2	Lab	LCS	3/19/2018	Pesticide	Endosulfan sulfate	n/a	=	0.0868	µg/L	EPA 608	0.008	0.05			
2017/18-2	Lab	LCS, rec	3/19/2018	Pesticide	Endosulfan sulfate	n/a	=	87	%	EPA 608	-88	-88	44	140	
2017/18-2	000NONPJ	matrix spike	3/19/2018	Pesticide	Endrin	n/a	=	0.0739	µg/L	EPA 608	0.0028	0.01			
2017/18-2	000NONPJ	matrix spike, rec	3/19/2018	Pesticide	Endrin	n/a	=	74	%	EPA 608	-88	-88	42	144	
2017/18-2	000NONPJ	matrix spike dup	3/19/2018	Pesticide	Endrin	n/a	=	0.0727	µg/L	EPA 608	0.0028	0.01			
2017/18-2	000NONPJ	matrix spike dup, rec	3/19/2018	Pesticide	Endrin	n/a	=	73	%	EPA 608	-88	-88	42	144	
2017/18-2	000NONPJ	matrix spike, RPD	3/19/2018	Pesticide	Endrin	n/a	=	2	%	EPA 608	-88	-88	0	30	
2017/18-2	Lab	method blank	3/19/2018	Pesticide	Endrin	n/a	<	0.0028	µg/L	EPA 608	0.0028	0.01			
2017/18-2	Lab	LCS	3/19/2018	Pesticide	Endrin	n/a	=	0.0965	µg/L	EPA 608	0.0028	0.01			
2017/18-2	Lab	LCS, rec	3/19/2018	Pesticide	Endrin	n/a	=	97	%	EPA 608	-88	-88	40	143	
2017/18-2	000NONPJ	matrix spike	3/19/2018	Pesticide	Endrin aldehyde	n/a	=	0.0299	µg/L	EPA 608	0.003	0.01			
2017/18-2	000NONPJ	matrix spike, rec	3/19/2018	Pesticide	Endrin aldehyde	n/a	=	30	%	EPA 608	-88	-88	11	113	
2017/18-2	000NONPJ	matrix spike dup	3/19/2018	Pesticide	Endrin aldehyde	n/a	=	0.0507	µg/L	EPA 608	0.003	0.01			
2017/18-2	000NONPJ	matrix spike dup, rec	3/19/2018	Pesticide	Endrin aldehyde	n/a	=	51	%	EPA 608	-88	-88	11	113	
2017/18-2	000NONPJ	matrix spike, RPD	3/19/2018	Pesticide	Endrin aldehyde	n/a	=	52	%	EPA 608	-88	-88	0	30	IL
2017/18-2	Lab	method blank	3/19/2018	Pesticide	Endrin aldehyde	n/a	<	0.003	µg/L	EPA 608	0.003	0.01			
2017/18-2	Lab	LCS	3/19/2018	Pesticide	Endrin aldehyde	n/a	=	0.0967	µg/L	EPA 608	0.003	0.01			
2017/18-2	Lab	LCS, rec	3/19/2018	Pesticide	Endrin aldehyde	n/a	=	97	%	EPA 608	-88	-88	18	136	
2017/18-2	Lab	method blank	3/19/2018	Pesticide	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1			
2017/18-2	Lab	LCS	3/19/2018	Pesticide	EPTC	n/a	=	4.47	µg/L	EPA 525.2	0.017	1			
2017/18-2	Lab	LCS, rec	3/19/2018	Pesticide	EPTC	n/a	=	89	%	EPA 525.2	-88	-88	70	130	
2017/18-2	Lab	LCS dup	3/19/2018	Pesticide	EPTC	n/a	=	4.52	µg/L	EPA 525.2	0.017	1			
2017/18-2	Lab	LCS dup, rec	3/19/2018	Pesticide	EPTC	n/a	=	90	%	EPA 525.2	-88	-88	70	130	
2017/18-2	Lab	LCS, RPD	3/19/2018	Pesticide	EPTC	n/a	=	1	%	EPA 525.2	-88	-88	0	30	
2017/18-2	000NONPJ	matrix spike	3/8/2018	Pesticide	Ethoprop	n/a	=	0.0441	µg/L	EPA 525.2m	0.0067	0.01			
2017/18-2	000NONPJ	matrix spike, rec	3/8/2018	Pesticide	Ethoprop	n/a	=	88	%	EPA 525.2m	-88	-88	51	167	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-2	000NONPJ	matrix spike dup	3/8/2018	Pesticide	Ethoprop	n/a	=	0.0502	µg/L	EPA 525.2m	0.0067	0.01			
2017/18-2	000NONPJ	matrix spike dup, rec	3/8/2018	Pesticide	Ethoprop	n/a	=	100	%	EPA 525.2m	-88	-88	51	167	
2017/18-2	000NONPJ	matrix spike, RPD	3/8/2018	Pesticide	Ethoprop	n/a	=	13	%	EPA 525.2m	-88	-88	0	30	
2017/18-2	000NONPJ	matrix spike	3/15/2018	Pesticide	Ethoprop	n/a	=	0.036	µg/L	EPA 525.2m	0.0067	0.01			
2017/18-2	000NONPJ	matrix spike, rec	3/15/2018	Pesticide	Ethoprop	n/a	=	72	%	EPA 525.2m	-88	-88	51	167	
2017/18-2	000NONPJ	matrix spike dup	3/15/2018	Pesticide	Ethoprop	n/a	=	0.0408	µg/L	EPA 525.2m	0.0067	0.01			
2017/18-2	000NONPJ	matrix spike dup, rec	3/15/2018	Pesticide	Ethoprop	n/a	=	82	%	EPA 525.2m	-88	-88	51	167	
2017/18-2	000NONPJ	matrix spike, RPD	3/15/2018	Pesticide	Ethoprop	n/a	=	13	%	EPA 525.2m	-88	-88	0	30	
2017/18-2	Lab	method blank	3/8/2018	Pesticide	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01			
2017/18-2	Lab	LCS	3/8/2018	Pesticide	Ethoprop	n/a	=	0.054	µg/L	EPA 525.2m	0.0067	0.01			
2017/18-2	Lab	LCS, rec	3/8/2018	Pesticide	Ethoprop	n/a	=	108	%	EPA 525.2m	-88	-88	53	163	
2017/18-2	Lab	method blank	3/15/2018	Pesticide	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01			
2017/18-2	Lab	LCS	3/15/2018	Pesticide	Ethoprop	n/a	=	0.0312	µg/L	EPA 525.2m	0.0067	0.01			
2017/18-2	Lab	LCS, rec	3/15/2018	Pesticide	Ethoprop	n/a	=	62	%	EPA 525.2m	-88	-88	53	163	
2017/18-2	000NONPJ	matrix spike	3/8/2018	Pesticide	Ethyl parathion	n/a	=	0.0405	µg/L	EPA 525.2m	0.0054	0.01			
2017/18-2	000NONPJ	matrix spike, rec	3/8/2018	Pesticide	Ethyl parathion	n/a	=	81	%	EPA 525.2m	-88	-88	5	229	
2017/18-2	000NONPJ	matrix spike dup	3/8/2018	Pesticide	Ethyl parathion	n/a	=	0.0753	µg/L	EPA 525.2m	0.0054	0.01			
2017/18-2	000NONPJ	matrix spike dup, rec	3/8/2018	Pesticide	Ethyl parathion	n/a	=	151	%	EPA 525.2m	-88	-88	5	229	
2017/18-2	000NONPJ	matrix spike, RPD	3/8/2018	Pesticide	Ethyl parathion	n/a	=	60	%	EPA 525.2m	-88	-88	0	30	IL
2017/18-2	000NONPJ	matrix spike	3/15/2018	Pesticide	Ethyl parathion	n/a	=	0.0216	µg/L	EPA 525.2m	0.0054	0.01			
2017/18-2	000NONPJ	matrix spike, rec	3/15/2018	Pesticide	Ethyl parathion	n/a	=	43	%	EPA 525.2m	-88	-88	5	229	
2017/18-2	000NONPJ	matrix spike dup	3/15/2018	Pesticide	Ethyl parathion	n/a	=	0.0301	µg/L	EPA 525.2m	0.0054	0.01			
2017/18-2	000NONPJ	matrix spike dup, rec	3/15/2018	Pesticide	Ethyl parathion	n/a	=	60	%	EPA 525.2m	-88	-88	5	229	
2017/18-2	000NONPJ	matrix spike, RPD	3/15/2018	Pesticide	Ethyl parathion	n/a	=	33	%	EPA 525.2m	-88	-88	0	30	IL
2017/18-2	Lab	method blank	3/8/2018	Pesticide	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01			
2017/18-2	Lab	LCS	3/8/2018	Pesticide	Ethyl parathion	n/a	=	0.0484	µg/L	EPA 525.2m	0.0054	0.01			
2017/18-2	Lab	LCS, rec	3/8/2018	Pesticide	Ethyl parathion	n/a	=	97	%	EPA 525.2m	-88	-88	7	230	
2017/18-2	Lab	method blank	3/15/2018	Pesticide	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01			
2017/18-2	Lab	LCS	3/15/2018	Pesticide	Ethyl parathion	n/a	=	0.0326	µg/L	EPA 525.2m	0.0054	0.01			
2017/18-2	Lab	LCS, rec	3/15/2018	Pesticide	Ethyl parathion	n/a	=	65	%	EPA 525.2m	-88	-88	7	230	
2017/18-2	000NONPJ	matrix spike	3/8/2018	Pesticide	Fensulfothion	n/a	=	0.0355	µg/L	EPA 525.2m	0.0029	0.01			
2017/18-2	000NONPJ	matrix spike, rec	3/8/2018	Pesticide	Fensulfothion	n/a	=	71	%	EPA 525.2m	-88	-88	0.1	316	
2017/18-2	000NONPJ	matrix spike dup	3/8/2018	Pesticide	Fensulfothion	n/a	=	0.0337	µg/L	EPA 525.2m	0.0029	0.01			
2017/18-2	000NONPJ	matrix spike dup, rec	3/8/2018	Pesticide	Fensulfothion	n/a	=	67	%	EPA 525.2m	-88	-88	0.1	316	
2017/18-2	000NONPJ	matrix spike, RPD	3/8/2018	Pesticide	Fensulfothion	n/a	=	5	%	EPA 525.2m	-88	-88	0	30	
2017/18-2	000NONPJ	matrix spike	3/15/2018	Pesticide	Fensulfothion	n/a	=	0.029	µg/L	EPA 525.2m	0.0029	0.01			
2017/18-2	000NONPJ	matrix spike, rec	3/15/2018	Pesticide	Fensulfothion	n/a	=	58	%	EPA 525.2m	-88	-88	0.1	316	
2017/18-2	000NONPJ	matrix spike dup	3/15/2018	Pesticide	Fensulfothion	n/a	=	0.0269	µg/L	EPA 525.2m	0.0029	0.01			
2017/18-2	000NONPJ	matrix spike dup, rec	3/15/2018	Pesticide	Fensulfothion	n/a	=	54	%	EPA 525.2m	-88	-88	0.1	316	
2017/18-2	000NONPJ	matrix spike, RPD	3/15/2018	Pesticide	Fensulfothion	n/a	=	8	%	EPA 525.2m	-88	-88	0	30	
2017/18-2	Lab	method blank	3/8/2018	Pesticide	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01			
2017/18-2	Lab	LCS	3/8/2018	Pesticide	Fensulfothion	n/a	=	0.0371	µg/L	EPA 525.2m	0.0029	0.01			
2017/18-2	Lab	LCS, rec	3/8/2018	Pesticide	Fensulfothion	n/a	=	74	%	EPA 525.2m	-88	-88	0.1	265	
2017/18-2	Lab	method blank	3/15/2018	Pesticide	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01			
2017/18-2	Lab	LCS	3/15/2018	Pesticide	Fensulfothion	n/a	=	0.0205	µg/L	EPA 525.2m	0.0029	0.01			
2017/18-2	Lab	LCS, rec	3/15/2018	Pesticide	Fensulfothion	n/a	=	41	%	EPA 525.2m	-88	-88	0.1	265	
2017/18-2	000NONPJ	matrix spike	3/8/2018	Pesticide	Fenthion	n/a	=	0.051	µg/L	EPA 525.2m	0.0038	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QA/QC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-2	000NONPJ	matrix spike, rec	3/8/2018	Pesticide	Fenthion	n/a	=	102	%	EPA 525.2m	-88	-88	23	169	
2017/18-2	000NONPJ	matrix spike dup	3/8/2018	Pesticide	Fenthion	n/a	=	0.0765	µg/L	EPA 525.2m	0.0038	0.01			
2017/18-2	000NONPJ	matrix spike dup, rec	3/8/2018	Pesticide	Fenthion	n/a	=	153	%	EPA 525.2m	-88	-88	23	169	
2017/18-2	000NONPJ	matrix spike, RPD	3/8/2018	Pesticide	Fenthion	n/a	=	40	%	EPA 525.2m	-88	-88	0	30	IL
2017/18-2	000NONPJ	matrix spike	3/15/2018	Pesticide	Fenthion	n/a	=	0.0298	µg/L	EPA 525.2m	0.0038	0.01			
2017/18-2	000NONPJ	matrix spike, rec	3/15/2018	Pesticide	Fenthion	n/a	=	60	%	EPA 525.2m	-88	-88	23	169	
2017/18-2	000NONPJ	matrix spike dup	3/15/2018	Pesticide	Fenthion	n/a	=	0.0406	µg/L	EPA 525.2m	0.0038	0.01			
2017/18-2	000NONPJ	matrix spike dup, rec	3/15/2018	Pesticide	Fenthion	n/a	=	81	%	EPA 525.2m	-88	-88	23	169	
2017/18-2	000NONPJ	matrix spike, RPD	3/15/2018	Pesticide	Fenthion	n/a	=	31	%	EPA 525.2m	-88	-88	0	30	IL
2017/18-2	Lab	method blank	3/8/2018	Pesticide	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01			
2017/18-2	Lab	LCS	3/8/2018	Pesticide	Fenthion	n/a	=	0.0504	µg/L	EPA 525.2m	0.0038	0.01			
2017/18-2	Lab	LCS, rec	3/8/2018	Pesticide	Fenthion	n/a	=	101	%	EPA 525.2m	-88	-88	20	177	
2017/18-2	Lab	method blank	3/15/2018	Pesticide	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01			
2017/18-2	Lab	LCS	3/15/2018	Pesticide	Fenthion	n/a	=	0.0283	µg/L	EPA 525.2m	0.0038	0.01			
2017/18-2	Lab	LCS, rec	3/15/2018	Pesticide	Fenthion	n/a	=	57	%	EPA 525.2m	-88	-88	20	177	
2017/18-2	000NONPJ	matrix spike	3/19/2018	Pesticide	gamma-BHC (Lindane)	n/a	=	0.0503	µg/L	EPA 608	0.0021	0.02			
2017/18-2	000NONPJ	matrix spike, rec	3/19/2018	Pesticide	gamma-BHC (Lindane)	n/a	=	50	%	EPA 608	-88	-88	33	112	
2017/18-2	000NONPJ	matrix spike dup	3/19/2018	Pesticide	gamma-BHC (Lindane)	n/a	=	0.0493	µg/L	EPA 608	0.0021	0.02			
2017/18-2	000NONPJ	matrix spike dup, rec	3/19/2018	Pesticide	gamma-BHC (Lindane)	n/a	=	49	%	EPA 608	-88	-88	33	112	
2017/18-2	000NONPJ	matrix spike, RPD	3/19/2018	Pesticide	gamma-BHC (Lindane)	n/a	=	2	%	EPA 608	-88	-88	0	30	
2017/18-2	Lab	method blank	3/19/2018	Pesticide	gamma-BHC (Lindane)	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.02			
2017/18-2	Lab	LCS	3/19/2018	Pesticide	gamma-BHC (Lindane)	n/a	=	0.0816	µg/L	EPA 608	0.0021	0.02			
2017/18-2	Lab	LCS, rec	3/19/2018	Pesticide	gamma-BHC (Lindane)	n/a	=	82	%	EPA 608	-88	-88	49	117	
2017/18-2	000NONPJ	matrix spike	3/9/2018	Pesticide	Glyphosate	n/a	=	562	µg/L	EPA 547	36	100			
2017/18-2	000NONPJ	matrix spike, rec	3/9/2018	Pesticide	Glyphosate	n/a	=	112	%	EPA 547	-88	-88	41	149	
2017/18-2	000NONPJ	matrix spike dup	3/9/2018	Pesticide	Glyphosate	n/a	=	497	µg/L	EPA 547	36	100			
2017/18-2	000NONPJ	matrix spike dup, rec	3/9/2018	Pesticide	Glyphosate	n/a	=	99	%	EPA 547	-88	-88	41	149	
2017/18-2	000NONPJ	matrix spike, RPD	3/9/2018	Pesticide	Glyphosate	n/a	=	12	%	EPA 547	-88	-88	0	30	
2017/18-2	000NONPJ	matrix spike	3/9/2018	Pesticide	Glyphosate	n/a	=	29.3	µg/L	EPA 547	1.8	5			
2017/18-2	000NONPJ	matrix spike, rec	3/9/2018	Pesticide	Glyphosate	n/a	=	117	%	EPA 547	-88	-88	41	149	
2017/18-2	000NONPJ	matrix spike dup	3/9/2018	Pesticide	Glyphosate	n/a	=	28.4	µg/L	EPA 547	1.8	5			
2017/18-2	000NONPJ	matrix spike dup, rec	3/9/2018	Pesticide	Glyphosate	n/a	=	113	%	EPA 547	-88	-88	41	149	
2017/18-2	000NONPJ	matrix spike, RPD	3/9/2018	Pesticide	Glyphosate	n/a	=	3	%	EPA 547	-88	-88	0	30	
2017/18-2	Lab	method blank	3/9/2018	Pesticide	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5			
2017/18-2	Lab	LCS	3/9/2018	Pesticide	Glyphosate	n/a	=	29.1	µg/L	EPA 547	1.8	5			
2017/18-2	Lab	LCS, rec	3/9/2018	Pesticide	Glyphosate	n/a	=	116	%	EPA 547	-88	-88	70	130	
2017/18-2	Lab	method blank	3/12/2018	Pesticide	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5			
2017/18-2	Lab	LCS	3/12/2018	Pesticide	Glyphosate	n/a	=	23.1	µg/L	EPA 547	1.8	5			
2017/18-2	Lab	LCS, rec	3/12/2018	Pesticide	Glyphosate	n/a	=	92	%	EPA 547	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike	3/19/2018	Pesticide	Heptachlor	n/a	=	0.0578	µg/L	EPA 608	0.0017	0.01			
2017/18-2	000NONPJ	matrix spike, rec	3/19/2018	Pesticide	Heptachlor	n/a	=	58	%	EPA 608	-88	-88	28	131	
2017/18-2	000NONPJ	matrix spike dup	3/19/2018	Pesticide	Heptachlor	n/a	=	0.0573	µg/L	EPA 608	0.0017	0.01			
2017/18-2	000NONPJ	matrix spike dup, rec	3/19/2018	Pesticide	Heptachlor	n/a	=	57	%	EPA 608	-88	-88	28	131	
2017/18-2	000NONPJ	matrix spike, RPD	3/19/2018	Pesticide	Heptachlor	n/a	=	0.9	%	EPA 608	-88	-88	0	30	
2017/18-2	Lab	method blank	3/19/2018	Pesticide	Heptachlor	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.01			
2017/18-2	Lab	LCS	3/19/2018	Pesticide	Heptachlor	n/a	=	0.0776	µg/L	EPA 608	0.0017	0.01			
2017/18-2	Lab	LCS, rec	3/19/2018	Pesticide	Heptachlor	n/a	=	78	%	EPA 608	-88	-88	31	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-2	000NONPJ	matrix spike	3/19/2018	Pesticide	Heptachlor epoxide	n/a	=	0.0518	µg/L	EPA 608	0.0019	0.01			
2017/18-2	000NONPJ	matrix spike, rec	3/19/2018	Pesticide	Heptachlor epoxide	n/a	=	52	%	EPA 608	-88	-88	36	117	
2017/18-2	000NONPJ	matrix spike dup	3/19/2018	Pesticide	Heptachlor epoxide	n/a	=	0.0486	µg/L	EPA 608	0.0019	0.01			
2017/18-2	000NONPJ	matrix spike dup, rec	3/19/2018	Pesticide	Heptachlor epoxide	n/a	=	49	%	EPA 608	-88	-88	36	117	
2017/18-2	000NONPJ	matrix spike, RPD	3/19/2018	Pesticide	Heptachlor epoxide	n/a	=	6	%	EPA 608	-88	-88	0	30	
2017/18-2	Lab	method blank	3/19/2018	Pesticide	Heptachlor epoxide	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01			
2017/18-2	Lab	LCS	3/19/2018	Pesticide	Heptachlor epoxide	n/a	=	0.0824	µg/L	EPA 608	0.0019	0.01			
2017/18-2	Lab	LCS, rec	3/19/2018	Pesticide	Heptachlor epoxide	n/a	=	82	%	EPA 608	-88	-88	49	122	
2017/18-2	000NONPJ	matrix spike	3/8/2018	Pesticide	Malathion	n/a	=	0.0428	µg/L	EPA 525.2m	0.0076	0.01			
2017/18-2	000NONPJ	matrix spike, rec	3/8/2018	Pesticide	Malathion	n/a	=	86	%	EPA 525.2m	-88	-88	6	184	
2017/18-2	000NONPJ	matrix spike dup	3/8/2018	Pesticide	Malathion	n/a	=	0.063	µg/L	EPA 525.2m	0.0076	0.01			
2017/18-2	000NONPJ	matrix spike dup, rec	3/8/2018	Pesticide	Malathion	n/a	=	126	%	EPA 525.2m	-88	-88	6	184	
2017/18-2	000NONPJ	matrix spike, RPD	3/8/2018	Pesticide	Malathion	n/a	=	38	%	EPA 525.2m	-88	-88	0	30	IL
2017/18-2	000NONPJ	matrix spike	3/15/2018	Pesticide	Malathion	n/a	=	0.0285	µg/L	EPA 525.2m	0.0076	0.01			
2017/18-2	000NONPJ	matrix spike, rec	3/15/2018	Pesticide	Malathion	n/a	=	57	%	EPA 525.2m	-88	-88	6	184	
2017/18-2	000NONPJ	matrix spike dup	3/15/2018	Pesticide	Malathion	n/a	=	0.0373	µg/L	EPA 525.2m	0.0076	0.01			
2017/18-2	000NONPJ	matrix spike dup, rec	3/15/2018	Pesticide	Malathion	n/a	=	75	%	EPA 525.2m	-88	-88	6	184	
2017/18-2	000NONPJ	matrix spike, RPD	3/15/2018	Pesticide	Malathion	n/a	=	27	%	EPA 525.2m	-88	-88	0	30	
2017/18-2	Lab	method blank	3/8/2018	Pesticide	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01			
2017/18-2	Lab	LCS	3/8/2018	Pesticide	Malathion	n/a	=	0.0538	µg/L	EPA 525.2m	0.0076	0.01			
2017/18-2	Lab	LCS, rec	3/8/2018	Pesticide	Malathion	n/a	=	108	%	EPA 525.2m	-88	-88	14	175	
2017/18-2	Lab	method blank	3/15/2018	Pesticide	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01			
2017/18-2	Lab	LCS	3/15/2018	Pesticide	Malathion	n/a	=	0.0318	µg/L	EPA 525.2m	0.0076	0.01			
2017/18-2	Lab	LCS, rec	3/15/2018	Pesticide	Malathion	n/a	=	64	%	EPA 525.2m	-88	-88	14	175	
2017/18-2	000NONPJ	matrix spike	3/8/2018	Pesticide	Merphos	n/a	=	0.0315	µg/L	EPA 525.2m	0.0058	0.01			
2017/18-2	000NONPJ	matrix spike, rec	3/8/2018	Pesticide	Merphos	n/a	=	63	%	EPA 525.2m	-88	-88	3	210	
2017/18-2	000NONPJ	matrix spike dup	3/8/2018	Pesticide	Merphos	n/a	=	0.0313	µg/L	EPA 525.2m	0.0058	0.01			
2017/18-2	000NONPJ	matrix spike dup, rec	3/8/2018	Pesticide	Merphos	n/a	=	63	%	EPA 525.2m	-88	-88	3	210	
2017/18-2	000NONPJ	matrix spike, RPD	3/8/2018	Pesticide	Merphos	n/a	=	0.7	%	EPA 525.2m	-88	-88	0	30	
2017/18-2	000NONPJ	matrix spike	3/15/2018	Pesticide	Merphos	n/a	=	0.0207	µg/L	EPA 525.2m	0.0058	0.01			
2017/18-2	000NONPJ	matrix spike, rec	3/15/2018	Pesticide	Merphos	n/a	=	41	%	EPA 525.2m	-88	-88	3	210	
2017/18-2	000NONPJ	matrix spike dup	3/15/2018	Pesticide	Merphos	n/a	=	0.0209	µg/L	EPA 525.2m	0.0058	0.01			
2017/18-2	000NONPJ	matrix spike dup, rec	3/15/2018	Pesticide	Merphos	n/a	=	42	%	EPA 525.2m	-88	-88	3	210	
2017/18-2	000NONPJ	matrix spike, RPD	3/15/2018	Pesticide	Merphos	n/a	=	0.9	%	EPA 525.2m	-88	-88	0	30	
2017/18-2	Lab	method blank	3/8/2018	Pesticide	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01			
2017/18-2	Lab	LCS	3/8/2018	Pesticide	Merphos	n/a	=	0.0406	µg/L	EPA 525.2m	0.0058	0.01			
2017/18-2	Lab	LCS, rec	3/8/2018	Pesticide	Merphos	n/a	=	81	%	EPA 525.2m	-88	-88	28	181	
2017/18-2	Lab	method blank	3/15/2018	Pesticide	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01			
2017/18-2	Lab	LCS	3/15/2018	Pesticide	Merphos	n/a	=	0.0336	µg/L	EPA 525.2m	0.0058	0.01			
2017/18-2	Lab	LCS, rec	3/15/2018	Pesticide	Merphos	n/a	=	67	%	EPA 525.2m	-88	-88	28	181	
2017/18-2	000NONPJ	matrix spike	3/8/2018	Pesticide	Methyl parathion	n/a	=	0.0393	µg/L	EPA 525.2m	0.0063	0.01			
2017/18-2	000NONPJ	matrix spike, rec	3/8/2018	Pesticide	Methyl parathion	n/a	=	79	%	EPA 525.2m	-88	-88	0.1	249	
2017/18-2	000NONPJ	matrix spike dup	3/8/2018	Pesticide	Methyl parathion	n/a	=	0.0617	µg/L	EPA 525.2m	0.0063	0.01			
2017/18-2	000NONPJ	matrix spike dup, rec	3/8/2018	Pesticide	Methyl parathion	n/a	=	123	%	EPA 525.2m	-88	-88	0.1	249	
2017/18-2	000NONPJ	matrix spike, RPD	3/8/2018	Pesticide	Methyl parathion	n/a	=	44	%	EPA 525.2m	-88	-88	0	30	IL
2017/18-2	000NONPJ	matrix spike	3/15/2018	Pesticide	Methyl parathion	n/a	=	0.0256	µg/L	EPA 525.2m	0.0063	0.01			
2017/18-2	000NONPJ	matrix spike, rec	3/15/2018	Pesticide	Methyl parathion	n/a	=	51	%	EPA 525.2m	-88	-88	0.1	249	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-2	000NONPJ	matrix spike dup	3/15/2018	Pesticide	Methyl parathion	n/a	=	0.0312	µg/L	EPA 525.2m	0.0063	0.01			
2017/18-2	000NONPJ	matrix spike dup, rec	3/15/2018	Pesticide	Methyl parathion	n/a	=	62	%	EPA 525.2m	-88	-88	0.1	249	
2017/18-2	000NONPJ	matrix spike, RPD	3/15/2018	Pesticide	Methyl parathion	n/a	=	20	%	EPA 525.2m	-88	-88	0	30	
2017/18-2	Lab	method blank	3/8/2018	Pesticide	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01			
2017/18-2	Lab	LCS	3/8/2018	Pesticide	Methyl parathion	n/a	=	0.0575	µg/L	EPA 525.2m	0.0063	0.01			
2017/18-2	Lab	LCS, rec	3/8/2018	Pesticide	Methyl parathion	n/a	=	115	%	EPA 525.2m	-88	-88	0.1	252	
2017/18-2	Lab	method blank	3/15/2018	Pesticide	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01			
2017/18-2	Lab	LCS	3/15/2018	Pesticide	Methyl parathion	n/a	=	0.0355	µg/L	EPA 525.2m	0.0063	0.01			
2017/18-2	Lab	LCS, rec	3/15/2018	Pesticide	Methyl parathion	n/a	=	71	%	EPA 525.2m	-88	-88	0.1	252	
2017/18-2	Lab	method blank	3/19/2018	Pesticide	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2017/18-2	Lab	LCS	3/19/2018	Pesticide	Metolachlor	n/a	=	4.56	µg/L	EPA 525.2	0.012	0.1			
2017/18-2	Lab	LCS, rec	3/19/2018	Pesticide	Metolachlor	n/a	=	91	%	EPA 525.2	-88	-88	60	130	
2017/18-2	Lab	LCS dup	3/19/2018	Pesticide	Metolachlor	n/a	=	4.45	µg/L	EPA 525.2	0.012	0.1			
2017/18-2	Lab	LCS dup, rec	3/19/2018	Pesticide	Metolachlor	n/a	=	89	%	EPA 525.2	-88	-88	60	130	
2017/18-2	Lab	LCS, RPD	3/19/2018	Pesticide	Metolachlor	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2017/18-2	Lab	method blank	3/19/2018	Pesticide	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2017/18-2	Lab	LCS	3/19/2018	Pesticide	Metribuzin	n/a	=	4.86	µg/L	EPA 525.2	0.015	0.1			
2017/18-2	Lab	LCS, rec	3/19/2018	Pesticide	Metribuzin	n/a	=	97	%	EPA 525.2	-88	-88	50	120	
2017/18-2	Lab	LCS dup	3/19/2018	Pesticide	Metribuzin	n/a	=	4.95	µg/L	EPA 525.2	0.015	0.1			
2017/18-2	Lab	LCS dup, rec	3/19/2018	Pesticide	Metribuzin	n/a	=	99	%	EPA 525.2	-88	-88	50	120	
2017/18-2	Lab	LCS, RPD	3/19/2018	Pesticide	Metribuzin	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2017/18-2	000NONPJ	matrix spike	3/8/2018	Pesticide	Mevinphos	n/a	=	0.0512	µg/L	EPA 525.2m	0.0042	0.01			
2017/18-2	000NONPJ	matrix spike, rec	3/8/2018	Pesticide	Mevinphos	n/a	=	102	%	EPA 525.2m	-88	-88	25	189	
2017/18-2	000NONPJ	matrix spike dup	3/8/2018	Pesticide	Mevinphos	n/a	=	0.0466	µg/L	EPA 525.2m	0.0042	0.01			
2017/18-2	000NONPJ	matrix spike dup, rec	3/8/2018	Pesticide	Mevinphos	n/a	=	93	%	EPA 525.2m	-88	-88	25	189	
2017/18-2	000NONPJ	matrix spike, RPD	3/8/2018	Pesticide	Mevinphos	n/a	=	9	%	EPA 525.2m	-88	-88	0	30	
2017/18-2	000NONPJ	matrix spike	3/15/2018	Pesticide	Mevinphos	n/a	=	0.0511	µg/L	EPA 525.2m	0.0042	0.01			
2017/18-2	000NONPJ	matrix spike, rec	3/15/2018	Pesticide	Mevinphos	n/a	=	102	%	EPA 525.2m	-88	-88	25	189	
2017/18-2	000NONPJ	matrix spike dup	3/15/2018	Pesticide	Mevinphos	n/a	=	0.0606	µg/L	EPA 525.2m	0.0042	0.01			
2017/18-2	000NONPJ	matrix spike dup, rec	3/15/2018	Pesticide	Mevinphos	n/a	=	121	%	EPA 525.2m	-88	-88	25	189	
2017/18-2	000NONPJ	matrix spike, RPD	3/15/2018	Pesticide	Mevinphos	n/a	=	17	%	EPA 525.2m	-88	-88	0	30	
2017/18-2	Lab	method blank	3/8/2018	Pesticide	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01			
2017/18-2	Lab	LCS	3/8/2018	Pesticide	Mevinphos	n/a	=	0.0521	µg/L	EPA 525.2m	0.0042	0.01			
2017/18-2	Lab	LCS, rec	3/8/2018	Pesticide	Mevinphos	n/a	=	104	%	EPA 525.2m	-88	-88	14	202	
2017/18-2	Lab	method blank	3/15/2018	Pesticide	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01			
2017/18-2	Lab	LCS	3/15/2018	Pesticide	Mevinphos	n/a	=	0.0269	µg/L	EPA 525.2m	0.0042	0.01			
2017/18-2	Lab	LCS, rec	3/15/2018	Pesticide	Mevinphos	n/a	=	54	%	EPA 525.2m	-88	-88	14	202	
2017/18-2	Lab	method blank	3/19/2018	Pesticide	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1			
2017/18-2	Lab	LCS	3/19/2018	Pesticide	Molinate	n/a	=	4.14	µg/L	EPA 525.2	0.039	0.1			
2017/18-2	Lab	LCS, rec	3/19/2018	Pesticide	Molinate	n/a	=	83	%	EPA 525.2	-88	-88	70	130	
2017/18-2	Lab	LCS dup	3/19/2018	Pesticide	Molinate	n/a	=	4.22	µg/L	EPA 525.2	0.039	0.1			
2017/18-2	Lab	LCS dup, rec	3/19/2018	Pesticide	Molinate	n/a	=	84	%	EPA 525.2	-88	-88	70	130	
2017/18-2	Lab	LCS, RPD	3/19/2018	Pesticide	Molinate	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2017/18-2	000NONPJ	matrix spike	3/8/2018	Pesticide	Naled	n/a	=	0.0191	µg/L	EPA 525.2m	0.0076	0.01			
2017/18-2	000NONPJ	matrix spike, rec	3/8/2018	Pesticide	Naled	n/a	=	38	%	EPA 525.2m	-88	-88	0.1	242	
2017/18-2	000NONPJ	matrix spike dup	3/8/2018	Pesticide	Naled	n/a	=	0.0218	µg/L	EPA 525.2m	0.0076	0.01			
2017/18-2	000NONPJ	matrix spike dup, rec	3/8/2018	Pesticide	Naled	n/a	=	44	%	EPA 525.2m	-88	-88	0.1	242	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-2	000NONPJ	matrix spike, RPD	3/8/2018	Pesticide	Naled	n/a	=	14	%	EPA 525.2m	-88	-88	0	30	
2017/18-2	000NONPJ	matrix spike	3/15/2018	Pesticide	Naled	n/a	=	0.0161	µg/L	EPA 525.2m	0.0076	0.01			
2017/18-2	000NONPJ	matrix spike, rec	3/15/2018	Pesticide	Naled	n/a	=	32	%	EPA 525.2m	-88	-88	0.1	242	
2017/18-2	000NONPJ	matrix spike dup	3/15/2018	Pesticide	Naled	n/a	=	0.0169	µg/L	EPA 525.2m	0.0076	0.01			
2017/18-2	000NONPJ	matrix spike dup, rec	3/15/2018	Pesticide	Naled	n/a	=	34	%	EPA 525.2m	-88	-88	0.1	242	
2017/18-2	000NONPJ	matrix spike, RPD	3/15/2018	Pesticide	Naled	n/a	=	5	%	EPA 525.2m	-88	-88	0	30	
2017/18-2	Lab	method blank	3/8/2018	Pesticide	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01			
2017/18-2	Lab	LCS	3/8/2018	Pesticide	Naled	n/a	=	0.024	µg/L	EPA 525.2m	0.0076	0.01			
2017/18-2	Lab	LCS, rec	3/8/2018	Pesticide	Naled	n/a	=	48	%	EPA 525.2m	-88	-88	0.1	240	
2017/18-2	Lab	method blank	3/15/2018	Pesticide	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01			
2017/18-2	Lab	LCS	3/15/2018	Pesticide	Naled	n/a	=	0.0113	µg/L	EPA 525.2m	0.0076	0.01			
2017/18-2	Lab	LCS, rec	3/15/2018	Pesticide	Naled	n/a	=	23	%	EPA 525.2m	-88	-88	0.1	240	
2017/18-2	000NONPJ	matrix spike	3/13/2018	Pesticide	Pentachlorophenol	n/a	=	4.22	µg/L	EPA 515.3	0.04	0.2			
2017/18-2	000NONPJ	matrix spike, rec	3/13/2018	Pesticide	Pentachlorophenol	n/a	=	106	%	EPA 515.3	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike dup	3/13/2018	Pesticide	Pentachlorophenol	n/a	=	4.19	µg/L	EPA 515.3	0.04	0.2			
2017/18-2	000NONPJ	matrix spike dup, rec	3/13/2018	Pesticide	Pentachlorophenol	n/a	=	105	%	EPA 515.3	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike, RPD	3/13/2018	Pesticide	Pentachlorophenol	n/a	=	0.8	%	EPA 515.3	-88	-88	0	30	
2017/18-2	000NONPJ	matrix spike	3/13/2018	Pesticide	Pentachlorophenol	n/a	=	3.94	µg/L	EPA 515.3	0.04	0.2			
2017/18-2	000NONPJ	matrix spike, rec	3/13/2018	Pesticide	Pentachlorophenol	n/a	=	92	%	EPA 515.3	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike dup	3/13/2018	Pesticide	Pentachlorophenol	n/a	=	3.69	µg/L	EPA 515.3	0.04	0.2			
2017/18-2	000NONPJ	matrix spike dup, rec	3/13/2018	Pesticide	Pentachlorophenol	n/a	=	86	%	EPA 515.3	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike, RPD	3/13/2018	Pesticide	Pentachlorophenol	n/a	=	7	%	EPA 515.3	-88	-88	0	30	
2017/18-2	Lab	method blank	3/12/2018	Pesticide	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2017/18-2	Lab	LCS	3/12/2018	Pesticide	Pentachlorophenol	n/a	=	12.8	µg/L	EPA 625	0.19	1			
2017/18-2	Lab	LCS, rec	3/12/2018	Pesticide	Pentachlorophenol	n/a	=	51	%	EPA 625	-88	-88	14	176	
2017/18-2	Lab	LCS dup	3/13/2018	Pesticide	Pentachlorophenol	n/a	=	13.2	µg/L	EPA 625	0.19	1			
2017/18-2	Lab	LCS dup, rec	3/13/2018	Pesticide	Pentachlorophenol	n/a	=	53	%	EPA 625	-88	-88	14	176	
2017/18-2	Lab	LCS, RPD	3/13/2018	Pesticide	Pentachlorophenol	n/a	=	3	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/13/2018	Pesticide	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2			
2017/18-2	Lab	LCS	3/13/2018	Pesticide	Pentachlorophenol	n/a	=	4.18	µg/L	EPA 515.3	0.04	0.2			
2017/18-2	Lab	LCS, rec	3/13/2018	Pesticide	Pentachlorophenol	n/a	=	105	%	EPA 515.3	-88	-88	70	130	
2017/18-2	Lab	method blank	3/14/2018	Pesticide	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2017/18-2	Lab	LCS	3/14/2018	Pesticide	Pentachlorophenol	n/a	=	19	µg/L	EPA 625	0.19	1			
2017/18-2	Lab	LCS, rec	3/14/2018	Pesticide	Pentachlorophenol	n/a	=	76	%	EPA 625	-88	-88	14	176	
2017/18-2	Lab	LCS dup	3/15/2018	Pesticide	Pentachlorophenol	n/a	=	19.4	µg/L	EPA 625	0.19	1			
2017/18-2	Lab	LCS dup, rec	3/15/2018	Pesticide	Pentachlorophenol	n/a	=	78	%	EPA 625	-88	-88	14	176	
2017/18-2	Lab	LCS, RPD	3/15/2018	Pesticide	Pentachlorophenol	n/a	=	2	%	EPA 625	-88	-88	0	30	
2017/18-2	Lab	method blank	3/26/2018	Pesticide	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1			
2017/18-2	Lab	LCS	3/26/2018	Pesticide	Pentachlorophenol	n/a	=	3.84	µg/L	EPA 8270C	0.15	1			
2017/18-2	Lab	LCS, rec	3/26/2018	Pesticide	Pentachlorophenol	n/a	=	38	%	EPA 8270C	-88	-88	29	106	
2017/18-2	Lab	LCS dup	3/26/2018	Pesticide	Pentachlorophenol	n/a	=	3.61	µg/L	EPA 8270C	0.15	1			
2017/18-2	Lab	LCS dup, rec	3/26/2018	Pesticide	Pentachlorophenol	n/a	=	36	%	EPA 8270C	-88	-88	29	106	
2017/18-2	Lab	LCS, RPD	3/26/2018	Pesticide	Pentachlorophenol	n/a	=	6	%	EPA 8270C	-88	-88	0	30	
2017/18-2	000NONPJ	matrix spike	3/8/2018	Pesticide	Phorate	n/a	=	0.043	µg/L	EPA 525.2m	0.003	0.01			
2017/18-2	000NONPJ	matrix spike, rec	3/8/2018	Pesticide	Phorate	n/a	=	86	%	EPA 525.2m	-88	-88	31	181	
2017/18-2	000NONPJ	matrix spike dup	3/8/2018	Pesticide	Phorate	n/a	=	0.0481	µg/L	EPA 525.2m	0.003	0.01			
2017/18-2	000NONPJ	matrix spike dup, rec	3/8/2018	Pesticide	Phorate	n/a	=	96	%	EPA 525.2m	-88	-88	31	181	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-2	000NONPJ	matrix spike, RPD	3/8/2018	Pesticide	Phorate	n/a	=	11	%	EPA 525.2m	-88	-88	0	30	
2017/18-2	000NONPJ	matrix spike	3/15/2018	Pesticide	Phorate	n/a	=	0.0377	µg/L	EPA 525.2m	0.003	0.01			
2017/18-2	000NONPJ	matrix spike, rec	3/15/2018	Pesticide	Phorate	n/a	=	75	%	EPA 525.2m	-88	-88	31	181	
2017/18-2	000NONPJ	matrix spike dup	3/15/2018	Pesticide	Phorate	n/a	=	0.0409	µg/L	EPA 525.2m	0.003	0.01			
2017/18-2	000NONPJ	matrix spike dup, rec	3/15/2018	Pesticide	Phorate	n/a	=	82	%	EPA 525.2m	-88	-88	31	181	
2017/18-2	000NONPJ	matrix spike, RPD	3/15/2018	Pesticide	Phorate	n/a	=	8	%	EPA 525.2m	-88	-88	0	30	
2017/18-2	Lab	method blank	3/8/2018	Pesticide	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01			
2017/18-2	Lab	LCS	3/8/2018	Pesticide	Phorate	n/a	=	0.0584	µg/L	EPA 525.2m	0.003	0.01			
2017/18-2	Lab	LCS, rec	3/8/2018	Pesticide	Phorate	n/a	=	117	%	EPA 525.2m	-88	-88	26	180	
2017/18-2	Lab	method blank	3/15/2018	Pesticide	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01			
2017/18-2	Lab	LCS	3/15/2018	Pesticide	Phorate	n/a	=	0.0347	µg/L	EPA 525.2m	0.003	0.01			
2017/18-2	Lab	LCS, rec	3/15/2018	Pesticide	Phorate	n/a	=	69	%	EPA 525.2m	-88	-88	26	180	
2017/18-2	000NONPJ	matrix spike	3/13/2018	Pesticide	Picloram	n/a	=	4.5	µg/L	EPA 515.3	0.05	0.6			
2017/18-2	000NONPJ	matrix spike, rec	3/13/2018	Pesticide	Picloram	n/a	=	112	%	EPA 515.3	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike dup	3/13/2018	Pesticide	Picloram	n/a	=	4.42	µg/L	EPA 515.3	0.05	0.6			
2017/18-2	000NONPJ	matrix spike dup, rec	3/13/2018	Pesticide	Picloram	n/a	=	110	%	EPA 515.3	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike, RPD	3/13/2018	Pesticide	Picloram	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2017/18-2	000NONPJ	matrix spike	3/13/2018	Pesticide	Picloram	n/a	=	3.75	µg/L	EPA 515.3	0.05	0.6			
2017/18-2	000NONPJ	matrix spike, rec	3/13/2018	Pesticide	Picloram	n/a	=	94	%	EPA 515.3	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike dup	3/13/2018	Pesticide	Picloram	n/a	=	3.6	µg/L	EPA 515.3	0.05	0.6			
2017/18-2	000NONPJ	matrix spike dup, rec	3/13/2018	Pesticide	Picloram	n/a	=	90	%	EPA 515.3	-88	-88	70	130	
2017/18-2	000NONPJ	matrix spike, RPD	3/13/2018	Pesticide	Picloram	n/a	=	4	%	EPA 515.3	-88	-88	0	30	
2017/18-2	Lab	method blank	3/13/2018	Pesticide	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6			
2017/18-2	Lab	LCS	3/13/2018	Pesticide	Picloram	n/a	=	4.56	µg/L	EPA 515.3	0.05	0.6			
2017/18-2	Lab	LCS, rec	3/13/2018	Pesticide	Picloram	n/a	=	114	%	EPA 515.3	-88	-88	70	130	
2017/18-2	Lab	method blank	3/19/2018	Pesticide	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2017/18-2	Lab	LCS	3/19/2018	Pesticide	Prometon	n/a	=	1.64	µg/L	EPA 525.2	0.024	0.2			
2017/18-2	Lab	LCS, rec	3/19/2018	Pesticide	Prometon	n/a	=	33	%	EPA 525.2	-88	-88	15	120	
2017/18-2	Lab	LCS dup	3/19/2018	Pesticide	Prometon	n/a	=	1.61	µg/L	EPA 525.2	0.024	0.2			
2017/18-2	Lab	LCS dup, rec	3/19/2018	Pesticide	Prometon	n/a	=	32	%	EPA 525.2	-88	-88	15	120	
2017/18-2	Lab	LCS, RPD	3/19/2018	Pesticide	Prometon	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2017/18-2	Lab	method blank	3/19/2018	Pesticide	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1			
2017/18-2	Lab	LCS	3/19/2018	Pesticide	Prometryn	n/a	=	3.35	µg/L	EPA 525.2	0.036	0.1			
2017/18-2	Lab	LCS, rec	3/19/2018	Pesticide	Prometryn	n/a	=	67	%	EPA 525.2	-88	-88	30	120	
2017/18-2	Lab	LCS dup	3/19/2018	Pesticide	Prometryn	n/a	=	3.66	µg/L	EPA 525.2	0.036	0.1			
2017/18-2	Lab	LCS dup, rec	3/19/2018	Pesticide	Prometryn	n/a	=	73	%	EPA 525.2	-88	-88	30	120	
2017/18-2	Lab	LCS, RPD	3/19/2018	Pesticide	Prometryn	n/a	=	9	%	EPA 525.2	-88	-88	0	30	
2017/18-2	000NONPJ	matrix spike	3/8/2018	Pesticide	Ronnel (Fenchlorphos)	n/a	=	0.0444	µg/L	EPA 525.2m	0.0041	0.01			
2017/18-2	000NONPJ	matrix spike, rec	3/8/2018	Pesticide	Ronnel (Fenchlorphos)	n/a	=	89	%	EPA 525.2m	-88	-88	29	153	
2017/18-2	000NONPJ	matrix spike dup	3/8/2018	Pesticide	Ronnel (Fenchlorphos)	n/a	=	0.062	µg/L	EPA 525.2m	0.0041	0.01			
2017/18-2	000NONPJ	matrix spike dup, rec	3/8/2018	Pesticide	Ronnel (Fenchlorphos)	n/a	=	124	%	EPA 525.2m	-88	-88	29	153	
2017/18-2	000NONPJ	matrix spike, RPD	3/8/2018	Pesticide	Ronnel (Fenchlorphos)	n/a	=	33	%	EPA 525.2m	-88	-88	0	30	IL
2017/18-2	000NONPJ	matrix spike	3/15/2018	Pesticide	Ronnel (Fenchlorphos)	n/a	=	0.0293	µg/L	EPA 525.2m	0.0041	0.01			
2017/18-2	000NONPJ	matrix spike, rec	3/15/2018	Pesticide	Ronnel (Fenchlorphos)	n/a	=	59	%	EPA 525.2m	-88	-88	29	153	
2017/18-2	000NONPJ	matrix spike dup	3/15/2018	Pesticide	Ronnel (Fenchlorphos)	n/a	=	0.0387	µg/L	EPA 525.2m	0.0041	0.01			
2017/18-2	000NONPJ	matrix spike dup, rec	3/15/2018	Pesticide	Ronnel (Fenchlorphos)	n/a	=	77	%	EPA 525.2m	-88	-88	29	153	
2017/18-2	000NONPJ	matrix spike, RPD	3/15/2018	Pesticide	Ronnel (Fenchlorphos)	n/a	=	28	%	EPA 525.2m	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-2	Lab	method blank	3/8/2018	Pesticide	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01			
2017/18-2	Lab	LCS	3/8/2018	Pesticide	Ronnel (Fenchlorphos)	n/a	=	0.0513	µg/L	EPA 525.2m	0.0041	0.01			
2017/18-2	Lab	LCS, rec	3/8/2018	Pesticide	Ronnel (Fenchlorphos)	n/a	=	103	%	EPA 525.2m	-88	-88	34	154	
2017/18-2	Lab	method blank	3/15/2018	Pesticide	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01			
2017/18-2	Lab	LCS	3/15/2018	Pesticide	Ronnel (Fenchlorphos)	n/a	=	0.0384	µg/L	EPA 525.2m	0.0041	0.01			
2017/18-2	Lab	LCS, rec	3/15/2018	Pesticide	Ronnel (Fenchlorphos)	n/a	=	77	%	EPA 525.2m	-88	-88	34	154	
2017/18-2	Lab	method blank	3/19/2018	Pesticide	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2017/18-2	Lab	LCS	3/19/2018	Pesticide	Simazine	n/a	=	4.35	µg/L	EPA 525.2	0.015	0.1			
2017/18-2	Lab	LCS, rec	3/19/2018	Pesticide	Simazine	n/a	=	87	%	EPA 525.2	-88	-88	60	130	
2017/18-2	Lab	LCS dup	3/19/2018	Pesticide	Simazine	n/a	=	4.21	µg/L	EPA 525.2	0.015	0.1			
2017/18-2	Lab	LCS dup, rec	3/19/2018	Pesticide	Simazine	n/a	=	84	%	EPA 525.2	-88	-88	60	130	
2017/18-2	Lab	LCS, RPD	3/19/2018	Pesticide	Simazine	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2017/18-2	000NONPJ	matrix spike	3/8/2018	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0515	µg/L	EPA 525.2m	0.0031	0.01			
2017/18-2	000NONPJ	matrix spike, rec	3/8/2018	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	103	%	EPA 525.2m	-88	-88	0.1	167	
2017/18-2	000NONPJ	matrix spike dup	3/8/2018	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0869	µg/L	EPA 525.2m	0.0031	0.01			GB
2017/18-2	000NONPJ	matrix spike dup, rec	3/8/2018	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	174	%	EPA 525.2m	-88	-88	0.1	167	GB
2017/18-2	000NONPJ	matrix spike, RPD	3/8/2018	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	51	%	EPA 525.2m	-88	-88	0	30	IL
2017/18-2	000NONPJ	matrix spike	3/15/2018	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0236	µg/L	EPA 525.2m	0.0031	0.01			
2017/18-2	000NONPJ	matrix spike, rec	3/15/2018	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	47	%	EPA 525.2m	-88	-88	0.1	167	
2017/18-2	000NONPJ	matrix spike dup	3/15/2018	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0355	µg/L	EPA 525.2m	0.0031	0.01			IL
2017/18-2	000NONPJ	matrix spike dup, rec	3/15/2018	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	71	%	EPA 525.2m	-88	-88	0.1	167	IL
2017/18-2	000NONPJ	matrix spike, RPD	3/15/2018	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	41	%	EPA 525.2m	-88	-88	0	30	IL
2017/18-2	Lab	method blank	3/8/2018	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01			
2017/18-2	Lab	LCS	3/8/2018	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0566	µg/L	EPA 525.2m	0.0031	0.01			
2017/18-2	Lab	LCS, rec	3/8/2018	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	113	%	EPA 525.2m	-88	-88	0.1	188	
2017/18-2	Lab	method blank	3/15/2018	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01			
2017/18-2	Lab	LCS	3/15/2018	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0332	µg/L	EPA 525.2m	0.0031	0.01			
2017/18-2	Lab	LCS, rec	3/15/2018	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	66	%	EPA 525.2m	-88	-88	0.1	188	
2017/18-2	Lab	method blank	3/19/2018	Pesticide	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2			
2017/18-2	Lab	LCS	3/19/2018	Pesticide	Terbacil	n/a	=	4.54	µg/L	EPA 525.2	0.55	2			
2017/18-2	Lab	LCS, rec	3/19/2018	Pesticide	Terbacil	n/a	=	91	%	EPA 525.2	-88	-88	70	130	
2017/18-2	Lab	LCS dup	3/19/2018	Pesticide	Terbacil	n/a	=	4.63	µg/L	EPA 525.2	0.55	2			
2017/18-2	Lab	LCS dup, rec	3/19/2018	Pesticide	Terbacil	n/a	=	93	%	EPA 525.2	-88	-88	70	130	
2017/18-2	Lab	LCS, RPD	3/19/2018	Pesticide	Terbacil	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2017/18-2	Lab	method blank	3/20/2018	Pesticide	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2			
2017/18-2	Lab	LCS	3/20/2018	Pesticide	Thiobencarb	n/a	=	5.01	µg/L	EPA 525.2	0.025	0.2			
2017/18-2	Lab	LCS, rec	3/20/2018	Pesticide	Thiobencarb	n/a	=	100	%	EPA 525.2	-88	-88	70	130	
2017/18-2	Lab	LCS dup	3/20/2018	Pesticide	Thiobencarb	n/a	=	4.99	µg/L	EPA 525.2	0.025	0.2			
2017/18-2	Lab	LCS dup, rec	3/20/2018	Pesticide	Thiobencarb	n/a	=	100	%	EPA 525.2	-88	-88	70	130	
2017/18-2	Lab	LCS, RPD	3/20/2018	Pesticide	Thiobencarb	n/a	=	0.5	%	EPA 525.2	-88	-88	0	30	
2017/18-2	000NONPJ	matrix spike	3/8/2018	Pesticide	Tokuthion	n/a	=	0.0298	µg/L	EPA 525.2m	0.0078	0.01			
2017/18-2	000NONPJ	matrix spike, rec	3/8/2018	Pesticide	Tokuthion	n/a	=	60	%	EPA 525.2m	-88	-88	27	160	
2017/18-2	000NONPJ	matrix spike dup	3/8/2018	Pesticide	Tokuthion	n/a	=	0.0286	µg/L	EPA 525.2m	0.0078	0.01			
2017/18-2	000NONPJ	matrix spike dup, rec	3/8/2018	Pesticide	Tokuthion	n/a	=	57	%	EPA 525.2m	-88	-88	27	160	
2017/18-2	000NONPJ	matrix spike, RPD	3/8/2018	Pesticide	Tokuthion	n/a	=	4	%	EPA 525.2m	-88	-88	0	30	
2017/18-2	000NONPJ	matrix spike	3/15/2018	Pesticide	Tokuthion	n/a	=	0.0334	µg/L	EPA 525.2m	0.0078	0.01			
2017/18-2	000NONPJ	matrix spike, rec	3/15/2018	Pesticide	Tokuthion	n/a	=	67	%	EPA 525.2m	-88	-88	27	160	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-2	000NONPJ	matrix spike dup	3/15/2018	Pesticide	Tokuthion	n/a	=	0.0335	µg/L	EPA 525.2m	0.0078	0.01			
2017/18-2	000NONPJ	matrix spike dup, rec	3/15/2018	Pesticide	Tokuthion	n/a	=	67	%	EPA 525.2m	-88	-88	27	160	
2017/18-2	000NONPJ	matrix spike, RPD	3/15/2018	Pesticide	Tokuthion	n/a	=	0.5	%	EPA 525.2m	-88	-88	0	30	
2017/18-2	Lab	method blank	3/8/2018	Pesticide	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01			
2017/18-2	Lab	LCS	3/8/2018	Pesticide	Tokuthion	n/a	=	0.04	µg/L	EPA 525.2m	0.0078	0.01			
2017/18-2	Lab	LCS, rec	3/8/2018	Pesticide	Tokuthion	n/a	=	80	%	EPA 525.2m	-88	-88	23	159	
2017/18-2	Lab	method blank	3/15/2018	Pesticide	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01			
2017/18-2	Lab	LCS	3/15/2018	Pesticide	Tokuthion	n/a	=	0.0393	µg/L	EPA 525.2m	0.0078	0.01			
2017/18-2	Lab	LCS, rec	3/15/2018	Pesticide	Tokuthion	n/a	=	79	%	EPA 525.2m	-88	-88	23	159	
2017/18-2	000NONPJ	matrix spike	3/8/2018	Pesticide	Trichloronate	n/a	=	0.0427	µg/L	EPA 525.2m	0.0067	0.01			
2017/18-2	000NONPJ	matrix spike, rec	3/8/2018	Pesticide	Trichloronate	n/a	=	85	%	EPA 525.2m	-88	-88	40	150	
2017/18-2	000NONPJ	matrix spike dup	3/8/2018	Pesticide	Trichloronate	n/a	=	0.0618	µg/L	EPA 525.2m	0.0067	0.01			
2017/18-2	000NONPJ	matrix spike dup, rec	3/8/2018	Pesticide	Trichloronate	n/a	=	124	%	EPA 525.2m	-88	-88	40	150	
2017/18-2	000NONPJ	matrix spike, RPD	3/8/2018	Pesticide	Trichloronate	n/a	=	37	%	EPA 525.2m	-88	-88	0	30	IL
2017/18-2	000NONPJ	matrix spike	3/15/2018	Pesticide	Trichloronate	n/a	=	0.0266	µg/L	EPA 525.2m	0.0067	0.01			
2017/18-2	000NONPJ	matrix spike, rec	3/15/2018	Pesticide	Trichloronate	n/a	=	53	%	EPA 525.2m	-88	-88	40	150	
2017/18-2	000NONPJ	matrix spike dup	3/15/2018	Pesticide	Trichloronate	n/a	=	0.0376	µg/L	EPA 525.2m	0.0067	0.01			
2017/18-2	000NONPJ	matrix spike dup, rec	3/15/2018	Pesticide	Trichloronate	n/a	=	75	%	EPA 525.2m	-88	-88	40	150	
2017/18-2	000NONPJ	matrix spike, RPD	3/15/2018	Pesticide	Trichloronate	n/a	=	34	%	EPA 525.2m	-88	-88	0	30	IL
2017/18-2	Lab	method blank	3/8/2018	Pesticide	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01			
2017/18-2	Lab	LCS	3/8/2018	Pesticide	Trichloronate	n/a	=	0.0489	µg/L	EPA 525.2m	0.0067	0.01			
2017/18-2	Lab	LCS, rec	3/8/2018	Pesticide	Trichloronate	n/a	=	98	%	EPA 525.2m	-88	-88	34	153	
2017/18-2	Lab	method blank	3/15/2018	Pesticide	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01			
2017/18-2	Lab	LCS	3/15/2018	Pesticide	Trichloronate	n/a	=	0.0375	µg/L	EPA 525.2m	0.0067	0.01			
2017/18-2	Lab	LCS, rec	3/15/2018	Pesticide	Trichloronate	n/a	=	75	%	EPA 525.2m	-88	-88	34	153	
2017/18-2	Lab	method blank	3/19/2018	Pesticide	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2017/18-2	Lab	LCS	3/19/2018	Pesticide	Trithion	n/a	=	5.26	µg/L	EPA 525.2	0.012	0.1			
2017/18-2	Lab	LCS, rec	3/19/2018	Pesticide	Trithion	n/a	=	105	%	EPA 525.2	-88	-88	70	130	
2017/18-2	Lab	LCS dup	3/19/2018	Pesticide	Trithion	n/a	=	5.1	µg/L	EPA 525.2	0.012	0.1			
2017/18-2	Lab	LCS dup, rec	3/19/2018	Pesticide	Trithion	n/a	=	102	%	EPA 525.2	-88	-88	70	130	
2017/18-2	Lab	LCS, RPD	3/19/2018	Pesticide	Trithion	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2017/18-3	000NONPJ	matrix spike	3/21/2018	Anion	Chloride	n/a	=	296	mg/L	EPA 300.0	1	5			
2017/18-3	000NONPJ	matrix spike	3/21/2018	Anion	Chloride	n/a	=	296	mg/L	EPA 300.0	1	5			
2017/18-3	000NONPJ	matrix spike dup	3/21/2018	Anion	Chloride	n/a	=	296	mg/L	EPA 300.0	1	5			
2017/18-3	000NONPJ	matrix spike dup	3/21/2018	Anion	Chloride	n/a	=	297	mg/L	EPA 300.0	1	5			
2017/18-3	000NONPJ	matrix spike dup, rec	3/21/2018	Anion	Chloride	n/a	=	114	%	EPA 300.0	-88	-88	76	118	
2017/18-3	000NONPJ	matrix spike dup, rec	3/21/2018	Anion	Chloride	n/a	=	115	%	EPA 300.0	-88	-88	76	118	
2017/18-3	000NONPJ	matrix spike, rec	3/21/2018	Anion	Chloride	n/a	=	114	%	EPA 300.0	-88	-88	76	118	
2017/18-3	000NONPJ	matrix spike, rec	3/21/2018	Anion	Chloride	n/a	=	114	%	EPA 300.0	-88	-88	76	118	
2017/18-3	000NONPJ	matrix spike, RPD	3/21/2018	Anion	Chloride	n/a	=	0.2	%	EPA 300.0	-88	-88	0	20	
2017/18-3	000NONPJ	matrix spike, RPD	3/21/2018	Anion	Chloride	n/a	=	0.1	%	EPA 300.0	-88	-88	0	20	
2017/18-3	Lab	LCS	3/21/2018	Anion	Chloride	n/a	=	9.97	mg/L	EPA 300.0	0.1	0.5			
2017/18-3	Lab	LCS, rec	3/21/2018	Anion	Chloride	n/a	=	100	%	EPA 300.0	-88	-88	90	110	
2017/18-3	Lab	method blank	3/21/2018	Anion	Chloride	n/a	<	0.1	mg/L	EPA 300.0	0.1	0.5			
2017/18-3	000NONPJ	matrix spike	3/21/2018	Anion	Fluoride	n/a	=	10.2	mg/L	EPA 300.0	0.2	1			
2017/18-3	000NONPJ	matrix spike	3/21/2018	Anion	Fluoride	n/a	=	10.3	mg/L	EPA 300.0	0.2	1			
2017/18-3	000NONPJ	matrix spike dup	3/21/2018	Anion	Fluoride	n/a	=	10.2	mg/L	EPA 300.0	0.2	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-3	000NONPJ	matrix spike dup	3/21/2018	Anion	Fluoride	n/a	=	10.3	mg/L	EPA 300.0	0.2	1			
2017/18-3	000NONPJ	matrix spike dup, rec	3/21/2018	Anion	Fluoride	n/a	=	96	%	EPA 300.0	-88	-88	86	107	
2017/18-3	000NONPJ	matrix spike dup, rec	3/21/2018	Anion	Fluoride	n/a	=	97	%	EPA 300.0	-88	-88	86	107	
2017/18-3	000NONPJ	matrix spike, rec	3/21/2018	Anion	Fluoride	n/a	=	96	%	EPA 300.0	-88	-88	86	107	
2017/18-3	000NONPJ	matrix spike, rec	3/21/2018	Anion	Fluoride	n/a	=	96	%	EPA 300.0	-88	-88	86	107	
2017/18-3	000NONPJ	matrix spike, RPD	3/21/2018	Anion	Fluoride	n/a	=	0.1	%	EPA 300.0	-88	-88	0	20	
2017/18-3	000NONPJ	matrix spike, RPD	3/21/2018	Anion	Fluoride	n/a	=	1	%	EPA 300.0	-88	-88	0	20	
2017/18-3	Lab	LCS	3/21/2018	Anion	Fluoride	n/a	=	1.01	mg/L	EPA 300.0	0.02	0.1			
2017/18-3	Lab	LCS, rec	3/21/2018	Anion	Fluoride	n/a	=	99	%	EPA 300.0	-88	-88	90	110	
2017/18-3	Lab	method blank	3/21/2018	Anion	Fluoride	n/a	<	0.02	mg/L	EPA 300.0	0.02	0.1			
2017/18-3	000NONPJ	matrix spike	3/12/2018	Anion	Perchlorate	n/a	=	9.5	µg/L	EPA 314.0	0.95	2			
2017/18-3	000NONPJ	matrix spike, rec	3/12/2018	Anion	Perchlorate	n/a	=	95	%	EPA 314.0	-88	-88	80	120	
2017/18-3	000NONPJ	matrix spike dup	3/12/2018	Anion	Perchlorate	n/a	=	9.09	µg/L	EPA 314.0	0.95	2			
2017/18-3	000NONPJ	matrix spike dup, rec	3/12/2018	Anion	Perchlorate	n/a	=	91	%	EPA 314.0	-88	-88	80	120	
2017/18-3	000NONPJ	matrix spike, RPD	3/12/2018	Anion	Perchlorate	n/a	=	4	%	EPA 314.0	-88	-88	0	15	
2017/18-3	Lab	method blank	3/12/2018	Anion	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2			
2017/18-3	Lab	LCS	3/12/2018	Anion	Perchlorate	n/a	=	10.2	µg/L	EPA 314.0	0.95	2			
2017/18-3	Lab	LCS, rec	3/12/2018	Anion	Perchlorate	n/a	=	102	%	EPA 314.0	-88	-88	85	115	
2017/18-3	000NONPJ	matrix spike	3/21/2018	Anion	Sulfate	Total	=	709	mg/L	EPA 300.0	1	5			GB
2017/18-3	000NONPJ	matrix spike	3/21/2018	Anion	Sulfate	Total	=	708	mg/L	EPA 300.0	1	5			GB
2017/18-3	000NONPJ	matrix spike dup	3/21/2018	Anion	Sulfate	Total	=	706	mg/L	EPA 300.0	1	5			GB
2017/18-3	000NONPJ	matrix spike dup	3/21/2018	Anion	Sulfate	Total	=	706	mg/L	EPA 300.0	1	5			GB
2017/18-3	000NONPJ	matrix spike dup, rec	3/21/2018	Anion	Sulfate	Total	=	266	%	EPA 300.0	-88	-88	78	111	GB
2017/18-3	000NONPJ	matrix spike dup, rec	3/21/2018	Anion	Sulfate	Total	=	262	%	EPA 300.0	-88	-88	78	111	GB
2017/18-3	000NONPJ	matrix spike, rec	3/21/2018	Anion	Sulfate	Total	=	268	%	EPA 300.0	-88	-88	78	111	GB
2017/18-3	000NONPJ	matrix spike, rec	3/21/2018	Anion	Sulfate	Total	=	264	%	EPA 300.0	-88	-88	78	111	GB
2017/18-3	000NONPJ	matrix spike, RPD	3/21/2018	Anion	Sulfate	Total	=	0.3	%	EPA 300.0	-88	-88	0	20	
2017/18-3	000NONPJ	matrix spike, RPD	3/21/2018	Anion	Sulfate	Total	=	0.3	%	EPA 300.0	-88	-88	0	20	
2017/18-3	000NONPJ	matrix spike	3/24/2018	Anion	Sulfate	Total	=	154	mg/L	EPA 300.0	1	5			
2017/18-3	000NONPJ	matrix spike	3/24/2018	Anion	Sulfate	Total	=	149	mg/L	EPA 300.0	1	5			
2017/18-3	000NONPJ	matrix spike dup	3/24/2018	Anion	Sulfate	Total	=	147	mg/L	EPA 300.0	1	5			
2017/18-3	000NONPJ	matrix spike dup	3/24/2018	Anion	Sulfate	Total	=	156	mg/L	EPA 300.0	1	5			
2017/18-3	000NONPJ	matrix spike dup, rec	3/24/2018	Anion	Sulfate	Total	=	109	%	EPA 300.0	-88	-88	78	111	
2017/18-3	000NONPJ	matrix spike dup, rec	3/24/2018	Anion	Sulfate	Total	=	108	%	EPA 300.0	-88	-88	78	111	
2017/18-3	000NONPJ	matrix spike, rec	3/24/2018	Anion	Sulfate	Total	=	108	%	EPA 300.0	-88	-88	78	111	
2017/18-3	000NONPJ	matrix spike, rec	3/24/2018	Anion	Sulfate	Total	=	109	%	EPA 300.0	-88	-88	78	111	
2017/18-3	000NONPJ	matrix spike, RPD	3/24/2018	Anion	Sulfate	Total	=	1	%	EPA 300.0	-88	-88	0	20	
2017/18-3	000NONPJ	matrix spike, RPD	3/24/2018	Anion	Sulfate	Total	=	1	%	EPA 300.0	-88	-88	0	20	
2017/18-3	Lab	LCS	3/21/2018	Anion	Sulfate	Total	=	10.5	mg/L	EPA 300.0	0.1	0.5			
2017/18-3	Lab	LCS, rec	3/21/2018	Anion	Sulfate	Total	=	104	%	EPA 300.0	-88	-88	90	110	
2017/18-3	Lab	method blank	3/21/2018	Anion	Sulfate	Total	<	0.1	mg/L	EPA 300.0	0.1	0.5			
2017/18-3	Lab	LCS	3/24/2018	Anion	Sulfate	Total	=	10.6	mg/L	EPA 300.0	0.1	0.5			
2017/18-3	Lab	LCS, rec	3/24/2018	Anion	Sulfate	Total	=	106	%	EPA 300.0	-88	-88	90	110	
2017/18-3	Lab	method blank	3/24/2018	Anion	Sulfate	Total	<	0.1	mg/L	EPA 300.0	0.1	0.5			
2017/18-3	ME-CC	field duplicate	3/11/2018	Bacteriological	E. Coli	n/a	=	3654	MPN/100 mL	MMO-MUG	10	10	-88	-88	
2017/18-3	ME-SCR	field blank	3/11/2018	Bacteriological	E. Coli	n/a	<	10	MPN/100 mL	MMO-MUG	10	10	-88	-88	
2017/18-3	ME-CC	field duplicate	3/14/2018	Bacteriological	Fecal Coliform	n/a	=	5400	MPN/100 mL	SM 9221 E	2	2	-88	-88	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-3	ME-SCR	field blank	3/11/2018	Bacteriological	Fecal Coliform	n/a	<	1.8	MPN/100 mL	SM 9221 E	1.8	1.8	-88	-88	
2017/18-3	ME-CC	field duplicate	3/11/2018	Bacteriological	Total Coliform	n/a	=	290900	MPN/100 mL	MMO-MUG	1000	1000	-88	-88	
2017/18-3	ME-SCR	field blank	3/11/2018	Bacteriological	Total Coliform	n/a	<	10	MPN/100 mL	MMO-MUG	10	10	-88	-88	
2017/18-3	Lab	method blank	3/26/2018	Cation	Calcium	Total	<	0.016	mg/L	EPA 200.7	0.016	0.1			
2017/18-3	Lab	LCS	3/26/2018	Cation	Calcium	Total	=	48.9	mg/L	EPA 200.7	0.016	0.1			
2017/18-3	Lab	LCS, rec	3/26/2018	Cation	Calcium	Total	=	97	%	EPA 200.7	-88	-88	85	115	
2017/18-3	Lab	method blank	3/26/2018	Cation	Calcium	Total	<	0.016	mg/L	EPA 200.7	0.016	0.1			
2017/18-3	Lab	LCS	3/26/2018	Cation	Calcium	Total	=	48	mg/L	EPA 200.7	0.016	0.1			
2017/18-3	Lab	LCS, rec	3/26/2018	Cation	Calcium	Total	=	96	%	EPA 200.7	-88	-88	85	115	
2017/18-3	MO-HUE	matrix spike	3/26/2018	Cation	Calcium	Total	=	195	mg/L	EPA 200.7	0.016	0.1			
2017/18-3	MO-HUE	matrix spike, rec	3/26/2018	Cation	Calcium	Total	=	94	%	EPA 200.7	-88	-88	70	130	
2017/18-3	MO-HUE	matrix spike dup	3/26/2018	Cation	Calcium	Total	=	191	mg/L	EPA 200.7	0.016	0.1			
2017/18-3	MO-HUE	matrix spike dup, rec	3/26/2018	Cation	Calcium	Total	=	85	%	EPA 200.7	-88	-88	70	130	
2017/18-3	MO-HUE	matrix spike, RPD	3/26/2018	Cation	Calcium	Total	=	2	%	EPA 200.7	-88	-88	0	30	
2017/18-3	MO-MPK	matrix spike	3/26/2018	Cation	Calcium	Total	=	63.5	mg/L	EPA 200.7	0.016	0.1			
2017/18-3	MO-MPK	matrix spike, rec	3/26/2018	Cation	Calcium	Total	=	93	%	EPA 200.7	-88	-88	70	130	
2017/18-3	MO-MPK	matrix spike dup	3/26/2018	Cation	Calcium	Total	=	63.1	mg/L	EPA 200.7	0.016	0.1			
2017/18-3	MO-MPK	matrix spike dup, rec	3/26/2018	Cation	Calcium	Total	=	93	%	EPA 200.7	-88	-88	70	130	
2017/18-3	MO-MPK	matrix spike, RPD	3/26/2018	Cation	Calcium	Total	=	0.5	%	EPA 200.7	-88	-88	0	30	
2017/18-3	MO-SIM	matrix spike	3/26/2018	Cation	Calcium	Total	=	83.8	mg/L	EPA 200.7	0.016	0.1			
2017/18-3	MO-SIM	matrix spike, rec	3/26/2018	Cation	Calcium	Total	=	91	%	EPA 200.7	-88	-88	70	130	
2017/18-3	MO-SIM	matrix spike dup	3/26/2018	Cation	Calcium	Total	=	84.4	mg/L	EPA 200.7	0.016	0.1			
2017/18-3	MO-SIM	matrix spike dup, rec	3/26/2018	Cation	Calcium	Total	=	92	%	EPA 200.7	-88	-88	70	130	
2017/18-3	MO-SIM	matrix spike, RPD	3/26/2018	Cation	Calcium	Total	=	0.7	%	EPA 200.7	-88	-88	0	30	
2017/18-3	Lab	method blank	3/26/2018	Cation	Magnesium	Total	<	0.012	mg/L	EPA 200.7	0.012	0.1			
2017/18-3	Lab	LCS	3/26/2018	Cation	Magnesium	Total	=	47.9	mg/L	EPA 200.7	0.012	0.1			
2017/18-3	Lab	LCS, rec	3/26/2018	Cation	Magnesium	Total	=	95	%	EPA 200.7	-88	-88	85	115	
2017/18-3	Lab	method blank	3/26/2018	Cation	Magnesium	Total	<	0.012	mg/L	EPA 200.7	0.012	0.1			
2017/18-3	Lab	LCS	3/26/2018	Cation	Magnesium	Total	=	46.2	mg/L	EPA 200.7	0.012	0.1			
2017/18-3	Lab	LCS, rec	3/26/2018	Cation	Magnesium	Total	=	92	%	EPA 200.7	-88	-88	85	115	
2017/18-3	MO-HUE	matrix spike	3/26/2018	Cation	Magnesium	Total	=	197	mg/L	EPA 200.7	0.012	0.1			
2017/18-3	MO-HUE	matrix spike, rec	3/26/2018	Cation	Magnesium	Total	=	104	%	EPA 200.7	-88	-88	70	130	
2017/18-3	MO-HUE	matrix spike dup	3/26/2018	Cation	Magnesium	Total	=	191	mg/L	EPA 200.7	0.012	0.1			
2017/18-3	MO-HUE	matrix spike dup, rec	3/26/2018	Cation	Magnesium	Total	=	92	%	EPA 200.7	-88	-88	70	130	
2017/18-3	MO-HUE	matrix spike, RPD	3/26/2018	Cation	Magnesium	Total	=	3	%	EPA 200.7	-88	-88	0	30	
2017/18-3	MO-MPK	matrix spike	3/26/2018	Cation	Magnesium	Total	=	52	mg/L	EPA 200.7	0.012	0.1			
2017/18-3	MO-MPK	matrix spike, rec	3/26/2018	Cation	Magnesium	Total	=	94	%	EPA 200.7	-88	-88	70	130	
2017/18-3	MO-MPK	matrix spike dup	3/26/2018	Cation	Magnesium	Total	=	51.6	mg/L	EPA 200.7	0.012	0.1			
2017/18-3	MO-MPK	matrix spike dup, rec	3/26/2018	Cation	Magnesium	Total	=	94	%	EPA 200.7	-88	-88	70	130	
2017/18-3	MO-MPK	matrix spike, RPD	3/26/2018	Cation	Magnesium	Total	=	0.8	%	EPA 200.7	-88	-88	0	30	
2017/18-3	MO-SIM	matrix spike	3/26/2018	Cation	Magnesium	Total	=	57.2	mg/L	EPA 200.7	0.012	0.1			
2017/18-3	MO-SIM	matrix spike, rec	3/26/2018	Cation	Magnesium	Total	=	94	%	EPA 200.7	-88	-88	70	130	
2017/18-3	MO-SIM	matrix spike dup	3/26/2018	Cation	Magnesium	Total	=	57.5	mg/L	EPA 200.7	0.012	0.1			
2017/18-3	MO-SIM	matrix spike dup, rec	3/26/2018	Cation	Magnesium	Total	=	95	%	EPA 200.7	-88	-88	70	130	
2017/18-3	MO-SIM	matrix spike, RPD	3/26/2018	Cation	Magnesium	Total	=	0.5	%	EPA 200.7	-88	-88	0	30	
2017/18-3	Lab	method blank	3/26/2018	Cation	Potassium	Total	<	0.081	mg/L	EPA 200.7	0.081	0.1			
2017/18-3	Lab	LCS	3/26/2018	Cation	Potassium	Total	=	51.6	mg/L	EPA 200.7	0.081	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-3	Lab	LCS, rec	3/26/2018	Cation	Potassium	Total	=	103	%	EPA 200.7	-88	-88	85	115	
2017/18-3	Lab	method blank	3/26/2018	Cation	Potassium	Total	<	0.081	mg/L	EPA 200.7	0.081	0.1			
2017/18-3	Lab	LCS	3/26/2018	Cation	Potassium	Total	=	50	mg/L	EPA 200.7	0.081	0.1			
2017/18-3	Lab	LCS, rec	3/26/2018	Cation	Potassium	Total	=	100	%	EPA 200.7	-88	-88	85	115	
2017/18-3	MO-HUE	matrix spike	3/26/2018	Cation	Potassium	Total	=	116	mg/L	EPA 200.7	0.081	0.1			
2017/18-3	MO-HUE	matrix spike, rec	3/26/2018	Cation	Potassium	Total	=	128	%	EPA 200.7	-88	-88	70	130	
2017/18-3	MO-HUE	matrix spike dup	3/26/2018	Cation	Potassium	Total	=	112	mg/L	EPA 200.7	0.081	0.1			
2017/18-3	MO-HUE	matrix spike dup, rec	3/26/2018	Cation	Potassium	Total	=	121	%	EPA 200.7	-88	-88	70	130	
2017/18-3	MO-HUE	matrix spike, RPD	3/26/2018	Cation	Potassium	Total	=	3	%	EPA 200.7	-88	-88	0	30	
2017/18-3	MO-MPK	matrix spike	3/26/2018	Cation	Potassium	Total	=	56.8	mg/L	EPA 200.7	0.081	0.1			
2017/18-3	MO-MPK	matrix spike, rec	3/26/2018	Cation	Potassium	Total	=	101	%	EPA 200.7	-88	-88	70	130	
2017/18-3	MO-MPK	matrix spike dup	3/26/2018	Cation	Potassium	Total	=	56.3	mg/L	EPA 200.7	0.081	0.1			
2017/18-3	MO-MPK	matrix spike dup, rec	3/26/2018	Cation	Potassium	Total	=	100	%	EPA 200.7	-88	-88	70	130	
2017/18-3	MO-MPK	matrix spike, RPD	3/26/2018	Cation	Potassium	Total	=	0.8	%	EPA 200.7	-88	-88	0	30	
2017/18-3	MO-SIM	matrix spike	3/26/2018	Cation	Potassium	Total	=	53.4	mg/L	EPA 200.7	0.081	0.1			
2017/18-3	MO-SIM	matrix spike, rec	3/26/2018	Cation	Potassium	Total	=	101	%	EPA 200.7	-88	-88	70	130	
2017/18-3	MO-SIM	matrix spike dup	3/26/2018	Cation	Potassium	Total	=	53.6	mg/L	EPA 200.7	0.081	0.1			
2017/18-3	MO-SIM	matrix spike dup, rec	3/26/2018	Cation	Potassium	Total	=	102	%	EPA 200.7	-88	-88	70	130	
2017/18-3	MO-SIM	matrix spike, RPD	3/26/2018	Cation	Potassium	Total	=	0.4	%	EPA 200.7	-88	-88	0	30	
2017/18-3	Lab	method blank	3/26/2018	Cation	Sodium	Total	<	0.015	mg/L	EPA 200.7	0.015	0.5			
2017/18-3	Lab	LCS	3/26/2018	Cation	Sodium	Total	=	48.7	mg/L	EPA 200.7	0.015	0.5			
2017/18-3	Lab	LCS, rec	3/26/2018	Cation	Sodium	Total	=	97	%	EPA 200.7	-88	-88	85	115	
2017/18-3	Lab	method blank	3/26/2018	Cation	Sodium	Total	<	0.015	mg/L	EPA 200.7	0.015	0.5			
2017/18-3	Lab	LCS	3/26/2018	Cation	Sodium	Total	=	47	mg/L	EPA 200.7	0.015	0.5			
2017/18-3	Lab	LCS, rec	3/26/2018	Cation	Sodium	Total	=	94	%	EPA 200.7	-88	-88	85	115	
2017/18-3	MO-HUE	matrix spike	3/26/2018	Cation	Sodium	Total	=	891	mg/L	EPA 200.7	0.015	0.5			
2017/18-3	MO-HUE	matrix spike, rec	3/26/2018	Cation	Sodium	Total	=	109	%	EPA 200.7	-88	-88	70	130	
2017/18-3	MO-HUE	matrix spike dup	3/26/2018	Cation	Sodium	Total	=	870	mg/L	EPA 200.7	0.015	0.5			GB
2017/18-3	MO-HUE	matrix spike dup, rec	3/26/2018	Cation	Sodium	Total	=	69	%	EPA 200.7	-88	-88	70	130	GB
2017/18-3	MO-HUE	matrix spike, RPD	3/26/2018	Cation	Sodium	Total	=	2	%	EPA 200.7	-88	-88	0	30	
2017/18-3	MO-MPK	matrix spike	3/26/2018	Cation	Sodium	Total	=	59.9	mg/L	EPA 200.7	0.015	0.5			
2017/18-3	MO-MPK	matrix spike, rec	3/26/2018	Cation	Sodium	Total	=	93	%	EPA 200.7	-88	-88	70	130	
2017/18-3	MO-MPK	matrix spike dup	3/26/2018	Cation	Sodium	Total	=	59.5	mg/L	EPA 200.7	0.015	0.5			
2017/18-3	MO-MPK	matrix spike dup, rec	3/26/2018	Cation	Sodium	Total	=	92	%	EPA 200.7	-88	-88	70	130	
2017/18-3	MO-MPK	matrix spike, RPD	3/26/2018	Cation	Sodium	Total	=	0.7	%	EPA 200.7	-88	-88	0	30	
2017/18-3	MO-SIM	matrix spike	3/26/2018	Cation	Sodium	Total	=	68.2	mg/L	EPA 200.7	0.015	0.5			
2017/18-3	MO-SIM	matrix spike, rec	3/26/2018	Cation	Sodium	Total	=	93	%	EPA 200.7	-88	-88	70	130	
2017/18-3	MO-SIM	matrix spike dup	3/26/2018	Cation	Sodium	Total	=	68.6	mg/L	EPA 200.7	0.015	0.5			
2017/18-3	MO-SIM	matrix spike dup, rec	3/26/2018	Cation	Sodium	Total	=	94	%	EPA 200.7	-88	-88	70	130	
2017/18-3	MO-SIM	matrix spike, RPD	3/26/2018	Cation	Sodium	Total	=	0.6	%	EPA 200.7	-88	-88	0	30	
2017/18-3	000NONPJ	lab duplicate	3/12/2018	Conventional	Alkalinity as CaCO3	n/a	=	170	mg/L	SM 2320 B	0.56	2		15	
2017/18-3	Lab	LCS	3/12/2018	Conventional	Alkalinity as CaCO3	n/a	=	248	mg/L	SM 2320 B	0.56	2			
2017/18-3	Lab	LCS, rec	3/12/2018	Conventional	Alkalinity as CaCO3	n/a	=	99	%	SM 2320 B	-88	-88	94	108	
2017/18-3	Lab	method blank	3/12/2018	Conventional	Alkalinity as CaCO3	n/a	<	0.56	mg/L	SM 2320 B	0.56	2			
2017/18-3	000NONPJ	lab duplicate	3/17/2018	Conventional	BOD	n/a	=	2.9	mg/L	SM 5210 B	2	2		20	
2017/18-3	000NONPJ	lab duplicate	3/17/2018	Conventional	BOD	n/a	=	4.9	mg/L	SM 5210 B	2	2		20	
2017/18-3	Lab	LCS	3/17/2018	Conventional	BOD	n/a	=	171	mg/L	SM 5210 B	2	2			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-3	Lab	LCS, rec	3/17/2018	Conventional	BOD	n/a	=	86	%	SM 5210 B	-88	-88	85	115	
2017/18-3	Lab	method blank	3/17/2018	Conventional	BOD	n/a	<	2	mg/L	SM 5210 B	2	2			
2017/18-3	Lab	method blank	3/17/2018	Conventional	BOD	n/a	<	2	mg/L	SM 5210 B	2	2			
2017/18-3	Lab	LCS	3/17/2018	Conventional	BOD	n/a	=	184	mg/L	SM 5210 B	2	2			
2017/18-3	Lab	LCS, rec	3/17/2018	Conventional	BOD	n/a	=	93	%	SM 5210 B	-88	-88	85	115	
2017/18-3	Lab	method blank	3/17/2018	Conventional	BOD	n/a	<	2	mg/L	SM 5210 B	2	2			
2017/18-3	Lab	method blank	3/17/2018	Conventional	BOD	n/a	<	2	mg/L	SM 5210 B	2	2			
2017/18-3	000NONPJ	lab duplicate	3/19/2018	Conventional	COD	n/a	=	707	mg/L	EPA 410.4	1.5	10		15	
2017/18-3	000NONPJ	lab duplicate	3/22/2018	Conventional	COD	n/a	=	1340	mg/L	EPA 410.4	1.5	10		15	
2017/18-3	000NONPJ	matrix spike	3/22/2018	Conventional	COD	n/a	=	228	mg/L	EPA 410.4	2.9	20			
2017/18-3	000NONPJ	matrix spike	3/22/2018	Conventional	COD	n/a	=	194	mg/L	EPA 410.4	2.9	20			
2017/18-3	000NONPJ	matrix spike dup	3/22/2018	Conventional	COD	n/a	=	231	mg/L	EPA 410.4	2.9	20			
2017/18-3	000NONPJ	matrix spike dup	3/22/2018	Conventional	COD	n/a	=	205	mg/L	EPA 410.4	2.9	20			
2017/18-3	000NONPJ	matrix spike dup, rec	3/22/2018	Conventional	COD	n/a	=	99	%	EPA 410.4	-88	-88	90	110	
2017/18-3	000NONPJ	matrix spike dup, rec	3/22/2018	Conventional	COD	n/a	=	105	%	EPA 410.4	-88	-88	90	110	
2017/18-3	000NONPJ	matrix spike, rec	3/22/2018	Conventional	COD	n/a	=	94	%	EPA 410.4	-88	-88	90	110	
2017/18-3	000NONPJ	matrix spike, rec	3/22/2018	Conventional	COD	n/a	=	103	%	EPA 410.4	-88	-88	90	110	
2017/18-3	000NONPJ	matrix spike, RPD	3/22/2018	Conventional	COD	n/a	=	5	%	EPA 410.4	-88	-88	0	15	
2017/18-3	000NONPJ	matrix spike, RPD	3/22/2018	Conventional	COD	n/a	=	1	%	EPA 410.4	-88	-88	0	15	
2017/18-3	Lab	LCS	3/19/2018	Conventional	COD	n/a	=	99.8	mg/L	EPA 410.4	0.73	5			
2017/18-3	Lab	LCS, rec	3/19/2018	Conventional	COD	n/a	=	100	%	EPA 410.4	-88	-88	90	110	
2017/18-3	Lab	method blank	3/19/2018	Conventional	COD	n/a	<	0.73	mg/L	EPA 410.4	0.73	5			
2017/18-3	Lab	LCS	3/22/2018	Conventional	COD	n/a	=	101	mg/L	EPA 410.4	0.73	5			
2017/18-3	Lab	LCS, rec	3/22/2018	Conventional	COD	n/a	=	101	%	EPA 410.4	-88	-88	90	110	
2017/18-3	Lab	method blank	3/22/2018	Conventional	COD	n/a	DNQ	1.25	mg/L	EPA 410.4	0.73	5			IP
2017/18-3	ME-SCR	matrix spike	3/19/2018	Conventional	COD	n/a	=	205	mg/L	EPA 410.4	2.9	20			
2017/18-3	ME-SCR	matrix spike dup	3/19/2018	Conventional	COD	n/a	=	208	mg/L	EPA 410.4	2.9	20			
2017/18-3	ME-SCR	matrix spike dup, rec	3/19/2018	Conventional	COD	n/a	=	98	%	EPA 410.4	-88	-88	90	110	
2017/18-3	ME-SCR	matrix spike, rec	3/19/2018	Conventional	COD	n/a	=	96	%	EPA 410.4	-88	-88	90	110	
2017/18-3	ME-SCR	matrix spike, RPD	3/19/2018	Conventional	COD	n/a	=	2	%	EPA 410.4	-88	-88	0	15	
2017/18-3	MO-FIL	matrix spike	3/19/2018	Conventional	COD	n/a	=	225	mg/L	EPA 410.4	2.9	20			
2017/18-3	MO-FIL	matrix spike dup	3/19/2018	Conventional	COD	n/a	=	220	mg/L	EPA 410.4	2.9	20			
2017/18-3	MO-FIL	matrix spike dup, rec	3/19/2018	Conventional	COD	n/a	=	96	%	EPA 410.4	-88	-88	90	110	
2017/18-3	MO-FIL	matrix spike, rec	3/19/2018	Conventional	COD	n/a	=	99	%	EPA 410.4	-88	-88	90	110	
2017/18-3	MO-FIL	matrix spike, RPD	3/19/2018	Conventional	COD	n/a	=	2	%	EPA 410.4	-88	-88	0	15	
2017/18-3	000NONPJ	matrix spike	3/19/2018	Conventional	Cyanide	Total	=	0.0449	mg/L	ASTM D7511	0.0005	0.002			
2017/18-3	000NONPJ	matrix spike	3/19/2018	Conventional	Cyanide	Total	=	0.0543	mg/L	ASTM D7511	0.0005	0.002			
2017/18-3	000NONPJ	matrix spike dup	3/19/2018	Conventional	Cyanide	Total	=	0.0535	mg/L	ASTM D7511	0.0005	0.002			
2017/18-3	000NONPJ	matrix spike dup	3/19/2018	Conventional	Cyanide	Total	=	0.0448	mg/L	ASTM D7511	0.0005	0.002			
2017/18-3	000NONPJ	matrix spike dup, rec	3/19/2018	Conventional	Cyanide	Total	=	90	%	ASTM D7511	-88	-88	64	136	
2017/18-3	000NONPJ	matrix spike dup, rec	3/19/2018	Conventional	Cyanide	Total	=	107	%	ASTM D7511	-88	-88	64	136	
2017/18-3	000NONPJ	matrix spike, rec	3/19/2018	Conventional	Cyanide	Total	=	109	%	ASTM D7511	-88	-88	64	136	
2017/18-3	000NONPJ	matrix spike, rec	3/19/2018	Conventional	Cyanide	Total	=	90	%	ASTM D7511	-88	-88	64	136	
2017/18-3	000NONPJ	matrix spike, RPD	3/19/2018	Conventional	Cyanide	Total	=	0.3	%	ASTM D7511	-88	-88	0	47	
2017/18-3	000NONPJ	matrix spike, RPD	3/19/2018	Conventional	Cyanide	Total	=	2	%	ASTM D7511	-88	-88	0	47	
2017/18-3	Lab	LCS	3/19/2018	Conventional	Cyanide	Total	=	0.0471	mg/L	ASTM D7511	0.0005	0.002			
2017/18-3	Lab	LCS dup	3/19/2018	Conventional	Cyanide	Total	=	0.0469	mg/L	ASTM D7511	0.0005	0.002			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-3	Lab	LCS dup, rec	3/19/2018	Conventional	Cyanide	Total	=	94	%	ASTM D7511	-88	-88	84	116	
2017/18-3	Lab	LCS, rec	3/19/2018	Conventional	Cyanide	Total	=	94	%	ASTM D7511	-88	-88	84	116	
2017/18-3	Lab	LCS, RPD	3/19/2018	Conventional	Cyanide	Total	=	0.3	%	ASTM D7511	-88	-88	0	12	
2017/18-3	Lab	method blank	3/19/2018	Conventional	Cyanide	Total	<	0.0005	mg/L	ASTM D7511	0.0005	0.002			
2017/18-3	ME-CC	field duplicate	3/19/2018	Conventional	Cyanide	Total	DNQ	0.0013	mg/L	ASTM D7511	0.0005	0.002			
2017/18-3	Lab	LCS	3/15/2018	Conventional	Dissolved Inorganic Carbon	Dissolved	=	10.2	mg/L	SM 5310 B	0.5	0.5			
2017/18-3	Lab	LCS dup	3/15/2018	Conventional	Dissolved Inorganic Carbon	Dissolved	=	9.99	mg/L	SM 5310 B	0.5	0.5			
2017/18-3	Lab	LCS dup, rec	3/15/2018	Conventional	Dissolved Inorganic Carbon	Dissolved	=	100	%	SM 5310 B	-88	-88	85	115	
2017/18-3	Lab	LCS, rec	3/15/2018	Conventional	Dissolved Inorganic Carbon	Dissolved	=	102	%	SM 5310 B	-88	-88	85	115	
2017/18-3	Lab	LCS, RPD	3/15/2018	Conventional	Dissolved Inorganic Carbon	Dissolved	=	2	%	SM 5310 B	-88	-88	0	20	
2017/18-3	Lab	method blank	3/15/2018	Conventional	Dissolved Inorganic Carbon	Dissolved	<	0.5	mg/L	SM 5310 B	0.5	0.5			
2017/18-3	Lab	LCS	3/19/2018	Conventional	Dissolved Organic Carbon	Dissolved	=	0.993	mg/L	SM 5310 B	0.016	0.1			
2017/18-3	Lab	LCS dup	3/19/2018	Conventional	Dissolved Organic Carbon	Dissolved	=	0.926	mg/L	SM 5310 B	0.016	0.1			
2017/18-3	Lab	LCS dup, rec	3/19/2018	Conventional	Dissolved Organic Carbon	Dissolved	=	93	%	SM 5310 B	-88	-88	85	115	
2017/18-3	Lab	LCS, rec	3/19/2018	Conventional	Dissolved Organic Carbon	Dissolved	=	99	%	SM 5310 B	-88	-88	85	115	
2017/18-3	Lab	LCS, RPD	3/19/2018	Conventional	Dissolved Organic Carbon	Dissolved	=	7	%	SM 5310 B	-88	-88	0	20	
2017/18-3	Lab	method blank	3/19/2018	Conventional	Dissolved Organic Carbon	Dissolved	<	0.016	mg/L	SM 5310 B	0.016	0.1			
2017/18-3	000NONPJ	matrix spike	3/12/2018	Conventional	MBAS	n/a	=	0.196	mg/L	SM 5540 C	0.019	0.05			
2017/18-3	000NONPJ	matrix spike dup	3/12/2018	Conventional	MBAS	n/a	=	0.2	mg/L	SM 5540 C	0.019	0.05			
2017/18-3	000NONPJ	matrix spike dup, rec	3/12/2018	Conventional	MBAS	n/a	=	100	%	SM 5540 C	-88	-88	74	123	
2017/18-3	000NONPJ	matrix spike, rec	3/12/2018	Conventional	MBAS	n/a	=	98	%	SM 5540 C	-88	-88	74	123	
2017/18-3	000NONPJ	matrix spike, RPD	3/12/2018	Conventional	MBAS	n/a	=	2	%	SM 5540 C	-88	-88	0	20	
2017/18-3	Lab	LCS	3/12/2018	Conventional	MBAS	n/a	=	0.192	mg/L	SM 5540 C	0.019	0.05			
2017/18-3	Lab	LCS, rec	3/12/2018	Conventional	MBAS	n/a	=	96	%	SM 5540 C	-88	-88	82	115	
2017/18-3	Lab	method blank	3/12/2018	Conventional	MBAS	n/a	<	0.019	mg/L	SM 5540 C	0.019	0.05			
2017/18-3	000NONPJ	matrix spike	3/29/2018	Conventional	Phenolics	n/a	=	0.265	mg/L	EPA 420.4	0.0042	0.01			
2017/18-3	000NONPJ	matrix spike, rec	3/29/2018	Conventional	Phenolics	n/a	=	104	%	EPA 420.4	-88	-88	90	110	
2017/18-3	000NONPJ	matrix spike dup	3/29/2018	Conventional	Phenolics	n/a	=	0.253	mg/L	EPA 420.4	0.0042	0.01			
2017/18-3	000NONPJ	matrix spike dup, rec	3/29/2018	Conventional	Phenolics	n/a	=	99	%	EPA 420.4	-88	-88	90	110	
2017/18-3	000NONPJ	matrix spike, RPD	3/29/2018	Conventional	Phenolics	n/a	=	5	%	EPA 420.4	-88	-88	0	20	
2017/18-3	Lab	method blank	3/27/2018	Conventional	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01			
2017/18-3	Lab	LCS	3/27/2018	Conventional	Phenolics	n/a	=	0.103	mg/L	EPA 420.4	0.0042	0.01			
2017/18-3	Lab	LCS, rec	3/27/2018	Conventional	Phenolics	n/a	=	103	%	EPA 420.4	-88	-88	90	110	
2017/18-3	Lab	method blank	3/29/2018	Conventional	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01			
2017/18-3	Lab	LCS	3/29/2018	Conventional	Phenolics	n/a	=	0.104	mg/L	EPA 420.4	0.0042	0.01			
2017/18-3	Lab	LCS, rec	3/29/2018	Conventional	Phenolics	n/a	=	104	%	EPA 420.4	-88	-88	90	110	
2017/18-3	ME-SCR	matrix spike	3/27/2018	Conventional	Phenolics	n/a	=	0.262	mg/L	EPA 420.4	0.0042	0.01			
2017/18-3	ME-SCR	matrix spike, rec	3/27/2018	Conventional	Phenolics	n/a	=	105	%	EPA 420.4	-88	-88	90	110	
2017/18-3	ME-SCR	matrix spike dup	3/27/2018	Conventional	Phenolics	n/a	=	0.265	mg/L	EPA 420.4	0.0042	0.01			
2017/18-3	ME-SCR	matrix spike dup, rec	3/27/2018	Conventional	Phenolics	n/a	=	106	%	EPA 420.4	-88	-88	90	110	
2017/18-3	ME-SCR	matrix spike, RPD	3/27/2018	Conventional	Phenolics	n/a	=	1	%	EPA 420.4	-88	-88	0	20	
2017/18-3	000NONPJ	lab duplicate	3/19/2018	Conventional	Specific Conductance	n/a	=	7100	µmhos/cm	SM 2510 B	0.23	2		4.28	
2017/18-3	Lab	LCS	3/14/2018	Conventional	Specific Conductance	n/a	=	196	µmhos/cm	SM 2510 B	0.23	2			
2017/18-3	Lab	LCS, rec	3/14/2018	Conventional	Specific Conductance	n/a	=	98	%	SM 2510 B	-88	-88	95	105	
2017/18-3	Lab	method blank	3/14/2018	Conventional	Specific Conductance	n/a	<	0.23	µmhos/cm	SM 2510 B	0.23	2			
2017/18-3	Lab	LCS	3/19/2018	Conventional	Specific Conductance	n/a	=	25400	µmhos/cm	SM 2510 B	0.23	2			
2017/18-3	Lab	LCS, rec	3/19/2018	Conventional	Specific Conductance	n/a	=	102	%	SM 2510 B	-88	-88	95	105	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-3	Lab	method blank	3/19/2018	Conventional	Specific Conductance	n/a	<	0.23	µmhos/cm	SM 2510 B	0.23	2			
2017/18-3	ME-CC	lab duplicate	3/14/2018	Conventional	Specific Conductance	n/a	=	783	µmhos/cm	SM 2510 B	0.23	2		4.28	
2017/18-3	Lab	LCS	3/12/2018	Conventional	Total Chlorine Residual	n/a	=	0.204	mg/L	SM 4500-Cl G	0.0015	0.05			
2017/18-3	Lab	LCS, rec	3/12/2018	Conventional	Total Chlorine Residual	n/a	=	102	%	SM 4500-Cl G	-88	-88	85	110	
2017/18-3	Lab	method blank	3/12/2018	Conventional	Total Chlorine Residual	n/a	<	0.0015	mg/L	SM 4500-Cl G	0.0015	0.05			
2017/18-3	ME-CC	matrix spike	3/12/2018	Conventional	Total Chlorine Residual	n/a	=	0.214	mg/L	SM 4500-Cl G	0.0015	0.05			
2017/18-3	ME-CC	matrix spike dup	3/12/2018	Conventional	Total Chlorine Residual	n/a	=	0.203	mg/L	SM 4500-Cl G	0.0015	0.05			
2017/18-3	ME-CC	matrix spike dup, rec	3/12/2018	Conventional	Total Chlorine Residual	n/a	=	91	%	SM 4500-Cl G	-88	-88	78	114	
2017/18-3	ME-CC	matrix spike, rec	3/12/2018	Conventional	Total Chlorine Residual	n/a	=	97	%	SM 4500-Cl G	-88	-88	78	114	
2017/18-3	ME-CC	matrix spike, RPD	3/12/2018	Conventional	Total Chlorine Residual	n/a	=	5	%	SM 4500-Cl G	-88	-88	0	15	
2017/18-3	000NONPJ	lab duplicate	3/14/2018	Conventional	Total Dissolved Solids	n/a	=	686	mg/L	SM 2540 C	4	10		10	
2017/18-3	000NONPJ	lab duplicate	3/14/2018	Conventional	Total Dissolved Solids	n/a	=	530	mg/L	SM 2540 C	4	10		10	
2017/18-3	000NONPJ	lab duplicate	3/15/2018	Conventional	Total Dissolved Solids	n/a	=	2860	mg/L	SM 2540 C	4	10		10	
2017/18-3	Lab	LCS	3/14/2018	Conventional	Total Dissolved Solids	n/a	=	824	mg/L	SM 2540 C	4	10			
2017/18-3	Lab	LCS, rec	3/14/2018	Conventional	Total Dissolved Solids	n/a	=	100	%	SM 2540 C	-88	-88	96	102	
2017/18-3	Lab	method blank	3/14/2018	Conventional	Total Dissolved Solids	n/a	<	4	mg/L	SM 2540 C	4	10			
2017/18-3	Lab	LCS	3/15/2018	Conventional	Total Dissolved Solids	n/a	=	808	mg/L	SM 2540 C	4	10			
2017/18-3	Lab	LCS, rec	3/15/2018	Conventional	Total Dissolved Solids	n/a	=	98	%	SM 2540 C	-88	-88	96	102	
2017/18-3	Lab	method blank	3/15/2018	Conventional	Total Dissolved Solids	n/a	<	4	mg/L	SM 2540 C	4	10			
2017/18-3	MO-HUE	lab duplicate	3/15/2018	Conventional	Total Dissolved Solids	n/a	=	3730	mg/L	SM 2540 C	4	10		10	
2017/18-3	Lab	LCS	3/22/2018	Conventional	Total Organic Carbon	n/a	=	1.03	mg/L	SM 5310 B	0.016	0.1			
2017/18-3	Lab	LCS dup	3/22/2018	Conventional	Total Organic Carbon	n/a	=	1.01	mg/L	SM 5310 B	0.016	0.1			
2017/18-3	Lab	LCS dup, rec	3/22/2018	Conventional	Total Organic Carbon	n/a	=	101	%	SM 5310 B	-88	-88	85	115	
2017/18-3	Lab	LCS, rec	3/22/2018	Conventional	Total Organic Carbon	n/a	=	103	%	SM 5310 B	-88	-88	85	115	
2017/18-3	Lab	LCS, RPD	3/22/2018	Conventional	Total Organic Carbon	n/a	=	2	%	SM 5310 B	-88	-88	0	20	
2017/18-3	Lab	method blank	3/22/2018	Conventional	Total Organic Carbon	n/a	<	0.016	mg/L	SM 5310 B	0.016	0.1			
2017/18-3	000NONPJ	lab duplicate	3/14/2018	Conventional	Total Suspended Solids	n/a	=	18	mg/L	SM 2540 D	-88	5		20	
2017/18-3	000NONPJ	lab duplicate	3/14/2018	Conventional	Total Suspended Solids	n/a	=	860	mg/L	SM 2540 D	-88	5		20	
2017/18-3	Lab	LCS	3/14/2018	Conventional	Total Suspended Solids	n/a	=	57	mg/L	SM 2540 D	-88	5			
2017/18-3	Lab	LCS, rec	3/14/2018	Conventional	Total Suspended Solids	n/a	=	102	%	SM 2540 D	-88	-88	90	110	
2017/18-3	Lab	method blank	3/14/2018	Conventional	Total Suspended Solids	n/a	<	5	mg/L	SM 2540 D	-88	5			
2017/18-3	000NONPJ	lab duplicate	3/12/2018	Conventional	Turbidity	n/a	=	12.6	NTU	EPA 180.1	0.024	0.1		10	
2017/18-3	Lab	LCS	3/12/2018	Conventional	Turbidity	n/a	=	6.91	NTU	EPA 180.1	0.024	0.1			
2017/18-3	Lab	LCS, rec	3/12/2018	Conventional	Turbidity	n/a	=	99	%	EPA 180.1	-88	-88	90	110	
2017/18-3	Lab	method blank	3/12/2018	Conventional	Turbidity	n/a	<	0.024	NTU	EPA 180.1	0.024	0.1			
2017/18-3	000NONPJ	lab duplicate	3/14/2018	Conventional	Volatile Suspended Solids	n/a	=	520	mg/L	EPA 160.4	3.1	5		15	
2017/18-3	000NONPJ	lab duplicate	3/14/2018	Conventional	Volatile Suspended Solids	n/a	=	8	mg/L	EPA 160.4	3.1	5		15	
2017/18-3	Lab	LCS	3/14/2018	Conventional	Volatile Suspended Solids	n/a	=	43	mg/L	EPA 160.4	3.1	5			
2017/18-3	Lab	LCS, rec	3/14/2018	Conventional	Volatile Suspended Solids	n/a	=	108	%	EPA 160.4	-88	-88	90	110	
2017/18-3	Lab	method blank	3/14/2018	Conventional	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5			
2017/18-3	Lab	LCS	3/19/2018	Hydrocarbon	Diesel Range Organics	n/a	=	0.45	mg/L	EPA 8015D	0.024	0.1			
2017/18-3	Lab	LCS, rec	3/19/2018	Hydrocarbon	Diesel Range Organics	n/a	=	90	%	EPA 8015D	-88	-88	56	136	
2017/18-3	Lab	LCS dup	3/19/2018	Hydrocarbon	Diesel Range Organics	n/a	=	0.456	mg/L	EPA 8015D	0.024	0.1			
2017/18-3	Lab	LCS dup, rec	3/19/2018	Hydrocarbon	Diesel Range Organics	n/a	=	91	%	EPA 8015D	-88	-88	56	136	
2017/18-3	Lab	LCS, RPD	3/19/2018	Hydrocarbon	Diesel Range Organics	n/a	=	1	%	EPA 8015D	-88	-88	0	25	
2017/18-3	Lab	method blank	3/20/2018	Hydrocarbon	Diesel Range Organics	n/a	DNQ	0.0296	mg/L	EPA 8015D	0.024	0.1			IP
2017/18-3	Lab	LCS	3/14/2018	Hydrocarbon	Gasoline Range Organics	n/a	=	1.01	mg/L	EPA 8015D	0.044	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-3	Lab	LCS, rec	3/14/2018	Hydrocarbon	Gasoline Range Organics	n/a	=	101	%	EPA 8015D	-88	-88	75	123	
2017/18-3	Lab	LCS dup	3/14/2018	Hydrocarbon	Gasoline Range Organics	n/a	=	1.1	mg/L	EPA 8015D	0.044	0.1			
2017/18-3	Lab	LCS dup, rec	3/14/2018	Hydrocarbon	Gasoline Range Organics	n/a	=	110	%	EPA 8015D	-88	-88	75	123	
2017/18-3	Lab	LCS, RPD	3/14/2018	Hydrocarbon	Gasoline Range Organics	n/a	=	9	%	EPA 8015D	-88	-88	0	25	
2017/18-3	Lab	method blank	3/14/2018	Hydrocarbon	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1			
2017/18-3	Lab	LCS	3/16/2018	Hydrocarbon	Gasoline Range Organics	n/a	=	1.08	mg/L	EPA 8015D	0.044	0.1			
2017/18-3	Lab	LCS, rec	3/16/2018	Hydrocarbon	Gasoline Range Organics	n/a	=	108	%	EPA 8015D	-88	-88	75	123	
2017/18-3	Lab	LCS dup	3/16/2018	Hydrocarbon	Gasoline Range Organics	n/a	=	1.25	mg/L	EPA 8015D	0.044	0.1			EUM
2017/18-3	Lab	LCS dup, rec	3/16/2018	Hydrocarbon	Gasoline Range Organics	n/a	=	125	%	EPA 8015D	-88	-88	75	123	EUM
2017/18-3	Lab	LCS, RPD	3/16/2018	Hydrocarbon	Gasoline Range Organics	n/a	=	15	%	EPA 8015D	-88	-88	0	25	
2017/18-3	Lab	method blank	3/16/2018	Hydrocarbon	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1			
2017/18-3	ME-CC	field duplicate	3/16/2018	Hydrocarbon	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1			
2017/18-3	Lab	srgt LCS	3/19/2018	Hydrocarbon	n-Tetracosane	n/a	=	0.233	mg/L	EPA 8015D	-88	-88			
2017/18-3	Lab	srgt LCS, rec	3/19/2018	Hydrocarbon	n-Tetracosane	n/a	=	93	%	EPA 8015D	-88	-88	64	155	
2017/18-3	Lab	srgt LCS dup	3/19/2018	Hydrocarbon	n-Tetracosane	n/a	=	0.242	mg/L	EPA 8015D	-88	-88			
2017/18-3	Lab	srgt LCS dup, rec	3/19/2018	Hydrocarbon	n-Tetracosane	n/a	=	97	%	EPA 8015D	-88	-88	64	155	
2017/18-3	Lab	srgt method blank	3/20/2018	Hydrocarbon	n-Tetracosane	n/a	=	0.247	mg/L	EPA 8015D	-88	-88			
2017/18-3	Lab	srgt method blank, rec	3/20/2018	Hydrocarbon	n-Tetracosane	n/a	=	99	%	EPA 8015D	-88	-88	64	155	
2017/18-3	ME-CC	srgt environ	3/19/2018	Hydrocarbon	n-Tetracosane	n/a	=	0.457	mg/L	EPA 8015D	-88	-88			
2017/18-3	ME-CC	srgt environ, rec	3/19/2018	Hydrocarbon	n-Tetracosane	n/a	=	91	%	EPA 8015D	-88	-88	64	155	
2017/18-3	ME-SCR	srgt environ	3/19/2018	Hydrocarbon	n-Tetracosane	n/a	=	0.243	mg/L	EPA 8015D	-88	-88			
2017/18-3	ME-SCR	srgt environ, rec	3/19/2018	Hydrocarbon	n-Tetracosane	n/a	=	97	%	EPA 8015D	-88	-88	64	155	
2017/18-3	ME-VR2	srgt environ	3/19/2018	Hydrocarbon	n-Tetracosane	n/a	=	0.238	mg/L	EPA 8015D	-88	-88			
2017/18-3	ME-VR2	srgt environ, rec	3/19/2018	Hydrocarbon	n-Tetracosane	n/a	=	95	%	EPA 8015D	-88	-88	64	155	
2017/18-3	MO-CAM	srgt environ	3/19/2018	Hydrocarbon	n-Tetracosane	n/a	=	0.231	mg/L	EPA 8015D	-88	-88			
2017/18-3	MO-CAM	srgt environ, rec	3/19/2018	Hydrocarbon	n-Tetracosane	n/a	=	92	%	EPA 8015D	-88	-88	64	155	
2017/18-3	MO-FIL	srgt environ	3/19/2018	Hydrocarbon	n-Tetracosane	n/a	=	0.246	mg/L	EPA 8015D	-88	-88			
2017/18-3	MO-FIL	srgt environ, rec	3/19/2018	Hydrocarbon	n-Tetracosane	n/a	=	98	%	EPA 8015D	-88	-88	64	155	
2017/18-3	MO-HUE	srgt environ	3/20/2018	Hydrocarbon	n-Tetracosane	n/a	=	0.286	mg/L	EPA 8015D	-88	-88			
2017/18-3	MO-HUE	srgt environ, rec	3/20/2018	Hydrocarbon	n-Tetracosane	n/a	=	114	%	EPA 8015D	-88	-88	64	155	
2017/18-3	MO-MEI	srgt environ	3/20/2018	Hydrocarbon	n-Tetracosane	n/a	=	0.241	mg/L	EPA 8015D	-88	-88			
2017/18-3	MO-MEI	srgt environ, rec	3/20/2018	Hydrocarbon	n-Tetracosane	n/a	=	97	%	EPA 8015D	-88	-88	64	155	
2017/18-3	MO-MPK	srgt environ	3/20/2018	Hydrocarbon	n-Tetracosane	n/a	=	0.29	mg/L	EPA 8015D	-88	-88			
2017/18-3	MO-MPK	srgt environ, rec	3/20/2018	Hydrocarbon	n-Tetracosane	n/a	=	116	%	EPA 8015D	-88	-88	64	155	
2017/18-3	MO-OJA	srgt environ	3/20/2018	Hydrocarbon	n-Tetracosane	n/a	=	0.247	mg/L	EPA 8015D	-88	-88			
2017/18-3	MO-OJA	srgt environ, rec	3/20/2018	Hydrocarbon	n-Tetracosane	n/a	=	99	%	EPA 8015D	-88	-88	64	155	
2017/18-3	MO-OXN	srgt environ	3/20/2018	Hydrocarbon	n-Tetracosane	n/a	=	0.238	mg/L	EPA 8015D	-88	-88			
2017/18-3	MO-OXN	srgt environ, rec	3/20/2018	Hydrocarbon	n-Tetracosane	n/a	=	95	%	EPA 8015D	-88	-88	64	155	
2017/18-3	MO-SIM	srgt environ	3/20/2018	Hydrocarbon	n-Tetracosane	n/a	=	0.302	mg/L	EPA 8015D	-88	-88			
2017/18-3	MO-SIM	srgt environ, rec	3/20/2018	Hydrocarbon	n-Tetracosane	n/a	=	121	%	EPA 8015D	-88	-88	64	155	
2017/18-3	MO-SPA	srgt environ	3/20/2018	Hydrocarbon	n-Tetracosane	n/a	=	0.238	mg/L	EPA 8015D	-88	-88			
2017/18-3	MO-SPA	srgt environ, rec	3/20/2018	Hydrocarbon	n-Tetracosane	n/a	=	95	%	EPA 8015D	-88	-88	64	155	
2017/18-3	MO-THO	srgt environ	3/20/2018	Hydrocarbon	n-Tetracosane	n/a	=	0.239	mg/L	EPA 8015D	-88	-88			
2017/18-3	MO-THO	srgt environ, rec	3/20/2018	Hydrocarbon	n-Tetracosane	n/a	=	95	%	EPA 8015D	-88	-88	64	155	
2017/18-3	MO-VEN	srgt environ	3/19/2018	Hydrocarbon	n-Tetracosane	n/a	=	0.237	mg/L	EPA 8015D	-88	-88			
2017/18-3	MO-VEN	srgt environ, rec	3/19/2018	Hydrocarbon	n-Tetracosane	n/a	=	95	%	EPA 8015D	-88	-88	64	155	
2017/18-3	Lab	LCS	3/27/2018	Hydrocarbon	Oil and Grease	n/a	=	17	mg/L	EPA 1664A	1.3	5			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-3	Lab	LCS	3/27/2018	Hydrocarbon	Oil and Grease	n/a	DNQ	4.1	mg/L	EPA 1664A	1.3	5			
2017/18-3	Lab	LCS dup	3/27/2018	Hydrocarbon	Oil and Grease	n/a	=	17.3	mg/L	EPA 1664A	1.3	5			
2017/18-3	Lab	LCS dup, rec	3/27/2018	Hydrocarbon	Oil and Grease	n/a	=	86	%	EPA 1664A	-88	-88	78	114	
2017/18-3	Lab	LCS, rec	3/27/2018	Hydrocarbon	Oil and Grease	n/a	=	85	%	EPA 1664A	-88	-88	78	114	
2017/18-3	Lab	LCS, rec	3/27/2018	Hydrocarbon	Oil and Grease	n/a	=	82	%	EPA 1664A	-88	-88	78	114	
2017/18-3	Lab	LCS, RPD	3/27/2018	Hydrocarbon	Oil and Grease	n/a	=	2	%	EPA 1664A	-88	-88	0	18	
2017/18-3	Lab	method blank	3/27/2018	Hydrocarbon	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5			
2017/18-3	ME-CC	field duplicate	3/27/2018	Hydrocarbon	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5			
2017/18-3	ME-CC	matrix spike	3/27/2018	Hydrocarbon	Oil and Grease	n/a	=	23.2	mg/L	EPA 1664A	1.3	5			
2017/18-3	ME-CC	matrix spike, rec	3/27/2018	Hydrocarbon	Oil and Grease	n/a	=	94	%	EPA 1664A	-88	-88	78	114	
2017/18-3	Lab	method blank	3/20/2018	Hydrocarbon	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5			
2017/18-3	Lab	method blank	4/2/2018	Metal	Aluminum	Dissolved	DNQ	1.34	µg/L	EPA 200.8	1.3	5			IP
2017/18-3	Lab	LCS	4/2/2018	Metal	Aluminum	Dissolved	=	49.2	µg/L	EPA 200.8	1.3	5			
2017/18-3	Lab	LCS, rec	4/2/2018	Metal	Aluminum	Dissolved	=	98	%	EPA 200.8	-88	-88	85	115	
2017/18-3	Lab	method blank	4/2/2018	Metal	Aluminum	Dissolved	<	1.3	µg/L	EPA 200.8	1.3	5			
2017/18-3	Lab	LCS	4/2/2018	Metal	Aluminum	Dissolved	=	49.7	µg/L	EPA 200.8	1.3	5			
2017/18-3	Lab	LCS, rec	4/2/2018	Metal	Aluminum	Dissolved	=	99	%	EPA 200.8	-88	-88	85	115	
2017/18-3	Lab	method blank	4/2/2018	Metal	Aluminum	Total	<	1.3	µg/L	EPA 200.8	1.3	5			
2017/18-3	Lab	LCS	4/2/2018	Metal	Aluminum	Total	=	49.2	µg/L	EPA 200.8	1.3	5			
2017/18-3	Lab	LCS, rec	4/2/2018	Metal	Aluminum	Total	=	98	%	EPA 200.8	-88	-88	85	115	
2017/18-3	Lab	method blank	4/2/2018	Metal	Aluminum	Total	<	1.3	µg/L	EPA 200.8	1.3	5			
2017/18-3	Lab	LCS	4/2/2018	Metal	Aluminum	Total	=	49.7	µg/L	EPA 200.8	1.3	5			
2017/18-3	Lab	LCS, rec	4/2/2018	Metal	Aluminum	Total	=	99	%	EPA 200.8	-88	-88	85	115	
2017/18-3	MO-MEI	matrix spike	4/2/2018	Metal	Aluminum	Total	=	2310	µg/L	EPA 200.8	1.3	5			GB
2017/18-3	MO-MEI	matrix spike, rec	4/2/2018	Metal	Aluminum	Total	=	496	%	EPA 200.8	-88	-88	70	130	GB
2017/18-3	MO-MEI	matrix spike dup	4/2/2018	Metal	Aluminum	Total	=	2330	µg/L	EPA 200.8	1.3	5			GB
2017/18-3	MO-MEI	matrix spike dup, rec	4/2/2018	Metal	Aluminum	Total	=	540	%	EPA 200.8	-88	-88	70	130	GB
2017/18-3	MO-MEI	matrix spike, RPD	4/2/2018	Metal	Aluminum	Total	=	0.9	%	EPA 200.8	-88	-88	0	30	
2017/18-3	MO-OXN	matrix spike	4/2/2018	Metal	Aluminum	Total	=	2090	µg/L	EPA 200.8	1.3	5			GB
2017/18-3	MO-OXN	matrix spike, rec	4/2/2018	Metal	Aluminum	Total	=	256	%	EPA 200.8	-88	-88	70	130	GB
2017/18-3	MO-OXN	matrix spike dup	4/2/2018	Metal	Aluminum	Total	=	2150	µg/L	EPA 200.8	1.3	5			GB
2017/18-3	MO-OXN	matrix spike dup, rec	4/2/2018	Metal	Aluminum	Total	=	384	%	EPA 200.8	-88	-88	70	130	GB
2017/18-3	MO-OXN	matrix spike, RPD	4/2/2018	Metal	Aluminum	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2017/18-3	MO-THO	matrix spike	4/2/2018	Metal	Aluminum	Total	=	1300	µg/L	EPA 200.8	1.3	5			GB
2017/18-3	MO-THO	matrix spike, rec	4/2/2018	Metal	Aluminum	Total	=	280	%	EPA 200.8	-88	-88	70	130	GB
2017/18-3	MO-THO	matrix spike dup	4/2/2018	Metal	Aluminum	Total	=	1300	µg/L	EPA 200.8	1.3	5			GB
2017/18-3	MO-THO	matrix spike dup, rec	4/2/2018	Metal	Aluminum	Total	=	282	%	EPA 200.8	-88	-88	70	130	GB
2017/18-3	MO-THO	matrix spike, RPD	4/2/2018	Metal	Aluminum	Total	=	0.08	%	EPA 200.8	-88	-88	0	30	
2017/18-3	Lab	method blank	3/30/2018	Metal	Antimony	Dissolved	DNQ	0.05	µg/L	EPA 200.8	0.045	0.5			IP
2017/18-3	Lab	LCS	3/30/2018	Metal	Antimony	Dissolved	=	48.8	µg/L	EPA 200.8	0.045	0.5			
2017/18-3	Lab	LCS, rec	3/30/2018	Metal	Antimony	Dissolved	=	98	%	EPA 200.8	-88	-88	85	115	
2017/18-3	Lab	method blank	3/30/2018	Metal	Antimony	Dissolved	<	0.045	µg/L	EPA 200.8	0.045	0.5			
2017/18-3	Lab	LCS	3/30/2018	Metal	Antimony	Dissolved	=	50.5	µg/L	EPA 200.8	0.045	0.5			
2017/18-3	Lab	LCS, rec	3/30/2018	Metal	Antimony	Dissolved	=	101	%	EPA 200.8	-88	-88	85	115	
2017/18-3	Lab	method blank	3/30/2018	Metal	Antimony	Total	<	0.045	µg/L	EPA 200.8	0.045	0.5			
2017/18-3	Lab	LCS	3/30/2018	Metal	Antimony	Total	=	48.8	µg/L	EPA 200.8	0.045	0.5			
2017/18-3	Lab	LCS, rec	3/30/2018	Metal	Antimony	Total	=	98	%	EPA 200.8	-88	-88	85	115	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-3	Lab	method blank	3/30/2018	Metal	Antimony	Total	<	0.045	µg/L	EPA 200.8	0.045	0.5			
2017/18-3	Lab	LCS	3/30/2018	Metal	Antimony	Total	=	50.5	µg/L	EPA 200.8	0.045	0.5			
2017/18-3	Lab	LCS, rec	3/30/2018	Metal	Antimony	Total	=	101	%	EPA 200.8	-88	-88	85	115	
2017/18-3	MO-MEI	matrix spike	3/30/2018	Metal	Antimony	Total	=	43.7	µg/L	EPA 200.8	0.045	0.5			
2017/18-3	MO-MEI	matrix spike, rec	3/30/2018	Metal	Antimony	Total	=	87	%	EPA 200.8	-88	-88	70	130	
2017/18-3	MO-MEI	matrix spike dup	3/30/2018	Metal	Antimony	Total	=	44.3	µg/L	EPA 200.8	0.045	0.5			
2017/18-3	MO-MEI	matrix spike dup, rec	3/30/2018	Metal	Antimony	Total	=	88	%	EPA 200.8	-88	-88	70	130	
2017/18-3	MO-MEI	matrix spike, RPD	3/30/2018	Metal	Antimony	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2017/18-3	MO-OXN	matrix spike	3/30/2018	Metal	Antimony	Total	=	46.9	µg/L	EPA 200.8	0.045	0.5			
2017/18-3	MO-OXN	matrix spike, rec	3/30/2018	Metal	Antimony	Total	=	88	%	EPA 200.8	-88	-88	70	130	
2017/18-3	MO-OXN	matrix spike dup	3/30/2018	Metal	Antimony	Total	=	46.6	µg/L	EPA 200.8	0.045	0.5			
2017/18-3	MO-OXN	matrix spike dup, rec	3/30/2018	Metal	Antimony	Total	=	88	%	EPA 200.8	-88	-88	70	130	
2017/18-3	MO-OXN	matrix spike, RPD	3/30/2018	Metal	Antimony	Total	=	0.7	%	EPA 200.8	-88	-88	0	30	
2017/18-3	MO-THO	matrix spike	3/30/2018	Metal	Antimony	Total	=	45.8	µg/L	EPA 200.8	0.045	0.5			
2017/18-3	MO-THO	matrix spike, rec	3/30/2018	Metal	Antimony	Total	=	90	%	EPA 200.8	-88	-88	70	130	
2017/18-3	MO-THO	matrix spike dup	3/30/2018	Metal	Antimony	Total	=	46.2	µg/L	EPA 200.8	0.045	0.5			
2017/18-3	MO-THO	matrix spike dup, rec	3/30/2018	Metal	Antimony	Total	=	91	%	EPA 200.8	-88	-88	70	130	
2017/18-3	MO-THO	matrix spike, RPD	3/30/2018	Metal	Antimony	Total	=	0.9	%	EPA 200.8	-88	-88	0	30	
2017/18-3	Lab	method blank	3/30/2018	Metal	Arsenic	Dissolved	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2017/18-3	Lab	LCS	3/30/2018	Metal	Arsenic	Dissolved	=	49.7	µg/L	EPA 200.8	0.074	0.4			
2017/18-3	Lab	LCS, rec	3/30/2018	Metal	Arsenic	Dissolved	=	99	%	EPA 200.8	-88	-88	85	115	
2017/18-3	Lab	method blank	3/30/2018	Metal	Arsenic	Dissolved	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2017/18-3	Lab	LCS	3/30/2018	Metal	Arsenic	Dissolved	=	49.2	µg/L	EPA 200.8	0.074	0.4			
2017/18-3	Lab	LCS, rec	3/30/2018	Metal	Arsenic	Dissolved	=	98	%	EPA 200.8	-88	-88	85	115	
2017/18-3	Lab	method blank	3/30/2018	Metal	Arsenic	Total	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2017/18-3	Lab	LCS	3/30/2018	Metal	Arsenic	Total	=	49.7	µg/L	EPA 200.8	0.074	0.4			
2017/18-3	Lab	LCS, rec	3/30/2018	Metal	Arsenic	Total	=	99	%	EPA 200.8	-88	-88	85	115	
2017/18-3	Lab	method blank	3/30/2018	Metal	Arsenic	Total	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2017/18-3	Lab	LCS	3/30/2018	Metal	Arsenic	Total	=	49.2	µg/L	EPA 200.8	0.074	0.4			
2017/18-3	Lab	LCS, rec	3/30/2018	Metal	Arsenic	Total	=	98	%	EPA 200.8	-88	-88	85	115	
2017/18-3	MO-MEI	matrix spike	3/30/2018	Metal	Arsenic	Total	=	50.4	µg/L	EPA 200.8	0.074	0.4			
2017/18-3	MO-MEI	matrix spike, rec	3/30/2018	Metal	Arsenic	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2017/18-3	MO-MEI	matrix spike dup	3/30/2018	Metal	Arsenic	Total	=	50.4	µg/L	EPA 200.8	0.074	0.4			
2017/18-3	MO-MEI	matrix spike dup, rec	3/30/2018	Metal	Arsenic	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2017/18-3	MO-MEI	matrix spike, RPD	3/30/2018	Metal	Arsenic	Total	=	0.02	%	EPA 200.8	-88	-88	0	30	
2017/18-3	MO-OXN	matrix spike	3/30/2018	Metal	Arsenic	Total	=	51.1	µg/L	EPA 200.8	0.074	0.4			
2017/18-3	MO-OXN	matrix spike, rec	3/30/2018	Metal	Arsenic	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2017/18-3	MO-OXN	matrix spike dup	3/30/2018	Metal	Arsenic	Total	=	50.3	µg/L	EPA 200.8	0.074	0.4			
2017/18-3	MO-OXN	matrix spike dup, rec	3/30/2018	Metal	Arsenic	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2017/18-3	MO-OXN	matrix spike, RPD	3/30/2018	Metal	Arsenic	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2017/18-3	MO-THO	matrix spike	3/30/2018	Metal	Arsenic	Total	=	51.5	µg/L	EPA 200.8	0.074	0.4			
2017/18-3	MO-THO	matrix spike, rec	3/30/2018	Metal	Arsenic	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2017/18-3	MO-THO	matrix spike dup	3/30/2018	Metal	Arsenic	Total	=	52.7	µg/L	EPA 200.8	0.074	0.4			
2017/18-3	MO-THO	matrix spike dup, rec	3/30/2018	Metal	Arsenic	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2017/18-3	MO-THO	matrix spike, RPD	3/30/2018	Metal	Arsenic	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2017/18-3	Lab	method blank	3/30/2018	Metal	Barium	Total	<	0.071	µg/L	EPA 200.8	0.071	0.5			
2017/18-3	Lab	LCS	3/30/2018	Metal	Barium	Total	=	50.1	µg/L	EPA 200.8	0.071	0.5			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-3	Lab	LCS, rec	3/30/2018	Metal	Barium	Total	=	100	%	EPA 200.8	-88	-88	85	115	
2017/18-3	Lab	method blank	3/30/2018	Metal	Barium	Total	<	0.071	µg/L	EPA 200.8	0.071	0.5			
2017/18-3	Lab	LCS	3/30/2018	Metal	Barium	Total	=	52	µg/L	EPA 200.8	0.071	0.5			
2017/18-3	Lab	LCS, rec	3/30/2018	Metal	Barium	Total	=	104	%	EPA 200.8	-88	-88	85	115	
2017/18-3	MO-MEI	matrix spike	3/30/2018	Metal	Barium	Total	=	93.6	µg/L	EPA 200.8	0.071	0.5			
2017/18-3	MO-MEI	matrix spike, rec	3/30/2018	Metal	Barium	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2017/18-3	MO-MEI	matrix spike dup	3/30/2018	Metal	Barium	Total	=	92.8	µg/L	EPA 200.8	0.071	0.5			
2017/18-3	MO-MEI	matrix spike dup, rec	3/30/2018	Metal	Barium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2017/18-3	MO-MEI	matrix spike, RPD	3/30/2018	Metal	Barium	Total	=	0.8	%	EPA 200.8	-88	-88	0	30	
2017/18-3	MO-OXN	matrix spike	3/30/2018	Metal	Barium	Total	=	94.3	µg/L	EPA 200.8	0.071	0.5			
2017/18-3	MO-OXN	matrix spike, rec	3/30/2018	Metal	Barium	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2017/18-3	MO-OXN	matrix spike dup	3/30/2018	Metal	Barium	Total	=	95	µg/L	EPA 200.8	0.071	0.5			
2017/18-3	MO-OXN	matrix spike dup, rec	3/30/2018	Metal	Barium	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2017/18-3	MO-OXN	matrix spike, RPD	3/30/2018	Metal	Barium	Total	=	0.7	%	EPA 200.8	-88	-88	0	30	
2017/18-3	MO-THO	matrix spike	3/30/2018	Metal	Barium	Total	=	70.9	µg/L	EPA 200.8	0.071	0.5			
2017/18-3	MO-THO	matrix spike, rec	3/30/2018	Metal	Barium	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2017/18-3	MO-THO	matrix spike dup	3/30/2018	Metal	Barium	Total	=	72.6	µg/L	EPA 200.8	0.071	0.5			
2017/18-3	MO-THO	matrix spike dup, rec	3/30/2018	Metal	Barium	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2017/18-3	MO-THO	matrix spike, RPD	3/30/2018	Metal	Barium	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2017/18-3	Lab	method blank	3/30/2018	Metal	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2017/18-3	Lab	LCS	3/30/2018	Metal	Beryllium	Dissolved	=	47.3	µg/L	EPA 200.8	0.033	0.1			
2017/18-3	Lab	LCS, rec	3/30/2018	Metal	Beryllium	Dissolved	=	95	%	EPA 200.8	-88	-88	85	115	
2017/18-3	Lab	method blank	3/30/2018	Metal	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2017/18-3	Lab	LCS	3/30/2018	Metal	Beryllium	Dissolved	=	47.3	µg/L	EPA 200.8	0.033	0.1			
2017/18-3	Lab	LCS, rec	3/30/2018	Metal	Beryllium	Dissolved	=	95	%	EPA 200.8	-88	-88	85	115	
2017/18-3	Lab	method blank	3/30/2018	Metal	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2017/18-3	Lab	LCS	3/30/2018	Metal	Beryllium	Total	=	47.3	µg/L	EPA 200.8	0.033	0.1			
2017/18-3	Lab	LCS, rec	3/30/2018	Metal	Beryllium	Total	=	95	%	EPA 200.8	-88	-88	85	115	
2017/18-3	Lab	method blank	3/30/2018	Metal	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2017/18-3	Lab	LCS	3/30/2018	Metal	Beryllium	Total	=	47.3	µg/L	EPA 200.8	0.033	0.1			
2017/18-3	Lab	LCS, rec	3/30/2018	Metal	Beryllium	Total	=	95	%	EPA 200.8	-88	-88	85	115	
2017/18-3	MO-MEI	matrix spike	3/30/2018	Metal	Beryllium	Total	=	48.1	µg/L	EPA 200.8	0.033	0.1			
2017/18-3	MO-MEI	matrix spike, rec	3/30/2018	Metal	Beryllium	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2017/18-3	MO-MEI	matrix spike dup	3/30/2018	Metal	Beryllium	Total	=	47	µg/L	EPA 200.8	0.033	0.1			
2017/18-3	MO-MEI	matrix spike dup, rec	3/30/2018	Metal	Beryllium	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2017/18-3	MO-MEI	matrix spike, RPD	3/30/2018	Metal	Beryllium	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2017/18-3	MO-OXN	matrix spike	3/30/2018	Metal	Beryllium	Total	=	47.2	µg/L	EPA 200.8	0.033	0.1			
2017/18-3	MO-OXN	matrix spike, rec	3/30/2018	Metal	Beryllium	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2017/18-3	MO-OXN	matrix spike dup	3/30/2018	Metal	Beryllium	Total	=	47.2	µg/L	EPA 200.8	0.033	0.1			
2017/18-3	MO-OXN	matrix spike dup, rec	3/30/2018	Metal	Beryllium	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2017/18-3	MO-OXN	matrix spike, RPD	3/30/2018	Metal	Beryllium	Total	=	0.1	%	EPA 200.8	-88	-88	0	30	
2017/18-3	MO-THO	matrix spike	3/30/2018	Metal	Beryllium	Total	=	48.1	µg/L	EPA 200.8	0.033	0.1			
2017/18-3	MO-THO	matrix spike, rec	3/30/2018	Metal	Beryllium	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2017/18-3	MO-THO	matrix spike dup	3/30/2018	Metal	Beryllium	Total	=	48.6	µg/L	EPA 200.8	0.033	0.1			
2017/18-3	MO-THO	matrix spike dup, rec	3/30/2018	Metal	Beryllium	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2017/18-3	MO-THO	matrix spike, RPD	3/30/2018	Metal	Beryllium	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2017/18-3	Lab	method blank	3/30/2018	Metal	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-3	Lab	LCS	3/30/2018	Metal	Cadmium	Dissolved	=	49.1	µg/L	EPA 200.8	0.041	0.1			
2017/18-3	Lab	LCS, rec	3/30/2018	Metal	Cadmium	Dissolved	=	98	%	EPA 200.8	-88	-88	85	115	
2017/18-3	Lab	method blank	3/30/2018	Metal	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2017/18-3	Lab	LCS	3/30/2018	Metal	Cadmium	Dissolved	=	49.9	µg/L	EPA 200.8	0.041	0.1			
2017/18-3	Lab	LCS, rec	3/30/2018	Metal	Cadmium	Dissolved	=	100	%	EPA 200.8	-88	-88	85	115	
2017/18-3	Lab	method blank	3/30/2018	Metal	Cadmium	Total	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2017/18-3	Lab	LCS	3/30/2018	Metal	Cadmium	Total	=	49.1	µg/L	EPA 200.8	0.041	0.1			
2017/18-3	Lab	LCS, rec	3/30/2018	Metal	Cadmium	Total	=	98	%	EPA 200.8	-88	-88	85	115	
2017/18-3	Lab	method blank	3/30/2018	Metal	Cadmium	Total	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2017/18-3	Lab	LCS	3/30/2018	Metal	Cadmium	Total	=	49.9	µg/L	EPA 200.8	0.041	0.1			
2017/18-3	Lab	LCS, rec	3/30/2018	Metal	Cadmium	Total	=	100	%	EPA 200.8	-88	-88	85	115	
2017/18-3	MO-MEI	matrix spike	3/30/2018	Metal	Cadmium	Total	=	49.8	µg/L	EPA 200.8	0.041	0.1			
2017/18-3	MO-MEI	matrix spike, rec	3/30/2018	Metal	Cadmium	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2017/18-3	MO-MEI	matrix spike dup	3/30/2018	Metal	Cadmium	Total	=	49.5	µg/L	EPA 200.8	0.041	0.1			
2017/18-3	MO-MEI	matrix spike dup, rec	3/30/2018	Metal	Cadmium	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2017/18-3	MO-MEI	matrix spike, RPD	3/30/2018	Metal	Cadmium	Total	=	0.5	%	EPA 200.8	-88	-88	0	30	
2017/18-3	MO-OXN	matrix spike	3/30/2018	Metal	Cadmium	Total	=	50.9	µg/L	EPA 200.8	0.041	0.1			
2017/18-3	MO-OXN	matrix spike, rec	3/30/2018	Metal	Cadmium	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2017/18-3	MO-OXN	matrix spike dup	3/30/2018	Metal	Cadmium	Total	=	48.8	µg/L	EPA 200.8	0.041	0.1			
2017/18-3	MO-OXN	matrix spike dup, rec	3/30/2018	Metal	Cadmium	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2017/18-3	MO-OXN	matrix spike, RPD	3/30/2018	Metal	Cadmium	Total	=	4	%	EPA 200.8	-88	-88	0	30	
2017/18-3	MO-THO	matrix spike	3/30/2018	Metal	Cadmium	Total	=	47.8	µg/L	EPA 200.8	0.041	0.1			
2017/18-3	MO-THO	matrix spike, rec	3/30/2018	Metal	Cadmium	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2017/18-3	MO-THO	matrix spike dup	3/30/2018	Metal	Cadmium	Total	=	48.8	µg/L	EPA 200.8	0.041	0.1			
2017/18-3	MO-THO	matrix spike dup, rec	3/30/2018	Metal	Cadmium	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2017/18-3	MO-THO	matrix spike, RPD	3/30/2018	Metal	Cadmium	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2017/18-3	Lab	method blank	3/30/2018	Metal	Chromium	Dissolved	<	0.035	µg/L	EPA 200.8	0.035	0.2			
2017/18-3	Lab	LCS	3/30/2018	Metal	Chromium	Dissolved	=	50.2	µg/L	EPA 200.8	0.035	0.2			
2017/18-3	Lab	LCS, rec	3/30/2018	Metal	Chromium	Dissolved	=	100	%	EPA 200.8	-88	-88	85	115	
2017/18-3	Lab	method blank	3/30/2018	Metal	Chromium	Dissolved	<	0.035	µg/L	EPA 200.8	0.035	0.2			
2017/18-3	Lab	LCS	3/30/2018	Metal	Chromium	Dissolved	=	49.6	µg/L	EPA 200.8	0.035	0.2			
2017/18-3	Lab	LCS, rec	3/30/2018	Metal	Chromium	Dissolved	=	99	%	EPA 200.8	-88	-88	85	115	
2017/18-3	Lab	method blank	3/30/2018	Metal	Chromium	Total	<	0.035	µg/L	EPA 200.8	0.035	0.2			
2017/18-3	Lab	LCS	3/30/2018	Metal	Chromium	Total	=	50.2	µg/L	EPA 200.8	0.035	0.2			
2017/18-3	Lab	LCS, rec	3/30/2018	Metal	Chromium	Total	=	100	%	EPA 200.8	-88	-88	85	115	
2017/18-3	Lab	method blank	3/30/2018	Metal	Chromium	Total	<	0.035	µg/L	EPA 200.8	0.035	0.2			
2017/18-3	Lab	LCS	3/30/2018	Metal	Chromium	Total	=	49.6	µg/L	EPA 200.8	0.035	0.2			
2017/18-3	Lab	LCS, rec	3/30/2018	Metal	Chromium	Total	=	99	%	EPA 200.8	-88	-88	85	115	
2017/18-3	MO-MEI	matrix spike	3/30/2018	Metal	Chromium	Total	=	54.2	µg/L	EPA 200.8	0.035	0.2			
2017/18-3	MO-MEI	matrix spike, rec	3/30/2018	Metal	Chromium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2017/18-3	MO-MEI	matrix spike dup	3/30/2018	Metal	Chromium	Total	=	54.4	µg/L	EPA 200.8	0.035	0.2			
2017/18-3	MO-MEI	matrix spike dup, rec	3/30/2018	Metal	Chromium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2017/18-3	MO-MEI	matrix spike, RPD	3/30/2018	Metal	Chromium	Total	=	0.4	%	EPA 200.8	-88	-88	0	30	
2017/18-3	MO-OXN	matrix spike	3/30/2018	Metal	Chromium	Total	=	56.2	µg/L	EPA 200.8	0.035	0.2			
2017/18-3	MO-OXN	matrix spike, rec	3/30/2018	Metal	Chromium	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2017/18-3	MO-OXN	matrix spike dup	3/30/2018	Metal	Chromium	Total	=	55.1	µg/L	EPA 200.8	0.035	0.2			
2017/18-3	MO-OXN	matrix spike dup, rec	3/30/2018	Metal	Chromium	Total	=	99	%	EPA 200.8	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-3	MO-OXN	matrix spike, RPD	3/30/2018	Metal	Chromium	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2017/18-3	MO-THO	matrix spike	3/30/2018	Metal	Chromium	Total	=	52.4	µg/L	EPA 200.8	0.035	0.2			
2017/18-3	MO-THO	matrix spike, rec	3/30/2018	Metal	Chromium	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2017/18-3	MO-THO	matrix spike dup	3/30/2018	Metal	Chromium	Total	=	53.4	µg/L	EPA 200.8	0.035	0.2			
2017/18-3	MO-THO	matrix spike dup, rec	3/30/2018	Metal	Chromium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2017/18-3	MO-THO	matrix spike, RPD	3/30/2018	Metal	Chromium	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2017/18-3	000NONPJ	matrix spike	3/15/2018	Metal	Chromium VI	n/a	=	30.5	µg/L	EPA 218.6	0.0048	0.02			
2017/18-3	000NONPJ	matrix spike, rec	3/15/2018	Metal	Chromium VI	n/a	=	97	%	EPA 218.6	-88	-88	88	112	
2017/18-3	000NONPJ	matrix spike dup	3/15/2018	Metal	Chromium VI	n/a	=	30.5	µg/L	EPA 218.6	0.0048	0.02			
2017/18-3	000NONPJ	matrix spike dup, rec	3/15/2018	Metal	Chromium VI	n/a	=	97	%	EPA 218.6	-88	-88	88	112	
2017/18-3	000NONPJ	matrix spike, RPD	3/15/2018	Metal	Chromium VI	n/a	=	0.04	%	EPA 218.6	-88	-88	0	10	
2017/18-3	000NONPJ	matrix spike dup	3/15/2018	Metal	Chromium VI	n/a	=	11	µg/L	EPA 218.6	0.0048	0.02			
2017/18-3	000NONPJ	matrix spike dup, rec	3/15/2018	Metal	Chromium VI	n/a	=	102	%	EPA 218.6	-88	-88	88	112	
2017/18-3	000NONPJ	matrix spike, RPD	3/15/2018	Metal	Chromium VI	n/a	=	0.6	%	EPA 218.6	-88	-88	0	10	
2017/18-3	000NONPJ	matrix spike	3/15/2018	Metal	Chromium VI	n/a	=	10.9	µg/L	EPA 218.6	0.0048	0.02			
2017/18-3	000NONPJ	matrix spike, rec	3/15/2018	Metal	Chromium VI	n/a	=	101	%	EPA 218.6	-88	-88	88	112	
2017/18-3	000NONPJ	matrix spike	3/18/2018	Metal	Chromium VI	n/a	=	27.9	µg/L	EPA 218.6	0.024	0.1			
2017/18-3	000NONPJ	matrix spike, rec	3/18/2018	Metal	Chromium VI	n/a	=	99	%	EPA 218.6	-88	-88	88	112	
2017/18-3	000NONPJ	matrix spike dup	3/18/2018	Metal	Chromium VI	n/a	=	28.6	µg/L	EPA 218.6	0.024	0.1			
2017/18-3	000NONPJ	matrix spike dup, rec	3/18/2018	Metal	Chromium VI	n/a	=	102	%	EPA 218.6	-88	-88	88	112	
2017/18-3	000NONPJ	matrix spike, RPD	3/18/2018	Metal	Chromium VI	n/a	=	3	%	EPA 218.6	-88	-88	0	10	
2017/18-3	000NONPJ	matrix spike	3/18/2018	Metal	Chromium VI	n/a	=	5.1	µg/L	EPA 218.6	0.0048	0.02			
2017/18-3	000NONPJ	matrix spike, rec	3/18/2018	Metal	Chromium VI	n/a	=	101	%	EPA 218.6	-88	-88	88	112	
2017/18-3	000NONPJ	matrix spike dup	3/18/2018	Metal	Chromium VI	n/a	=	5.2	µg/L	EPA 218.6	0.0048	0.02			
2017/18-3	000NONPJ	matrix spike dup, rec	3/18/2018	Metal	Chromium VI	n/a	=	103	%	EPA 218.6	-88	-88	88	112	
2017/18-3	000NONPJ	matrix spike, RPD	3/18/2018	Metal	Chromium VI	n/a	=	2	%	EPA 218.6	-88	-88	0	10	
2017/18-3	Lab	method blank	3/15/2018	Metal	Chromium VI	n/a	<	0.0048	µg/L	EPA 218.6	0.0048	0.02			
2017/18-3	Lab	LCS	3/15/2018	Metal	Chromium VI	n/a	=	4.99	µg/L	EPA 218.6	0.0048	0.02			
2017/18-3	Lab	LCS, rec	3/15/2018	Metal	Chromium VI	n/a	=	100	%	EPA 218.6	-88	-88	90	110	
2017/18-3	Lab	method blank	3/18/2018	Metal	Chromium VI	n/a	<	0.0048	µg/L	EPA 218.6	0.0048	0.02			
2017/18-3	Lab	LCS	3/18/2018	Metal	Chromium VI	n/a	=	5.17	µg/L	EPA 218.6	0.0048	0.02			
2017/18-3	Lab	LCS, rec	3/18/2018	Metal	Chromium VI	n/a	=	103	%	EPA 218.6	-88	-88	90	110	
2017/18-3	Lab	method blank	3/30/2018	Metal	Copper	Dissolved	<	0.13	µg/L	EPA 200.8	0.13	0.5			
2017/18-3	Lab	LCS	3/30/2018	Metal	Copper	Dissolved	=	51.7	µg/L	EPA 200.8	0.13	0.5			
2017/18-3	Lab	LCS, rec	3/30/2018	Metal	Copper	Dissolved	=	103	%	EPA 200.8	-88	-88	85	115	
2017/18-3	Lab	method blank	3/30/2018	Metal	Copper	Dissolved	<	0.13	µg/L	EPA 200.8	0.13	0.5			
2017/18-3	Lab	LCS	3/30/2018	Metal	Copper	Dissolved	=	51.5	µg/L	EPA 200.8	0.13	0.5			
2017/18-3	Lab	LCS, rec	3/30/2018	Metal	Copper	Dissolved	=	103	%	EPA 200.8	-88	-88	85	115	
2017/18-3	Lab	method blank	3/30/2018	Metal	Copper	Total	<	0.13	µg/L	EPA 200.8	0.13	0.5			
2017/18-3	Lab	LCS	3/30/2018	Metal	Copper	Total	=	51.7	µg/L	EPA 200.8	0.13	0.5			
2017/18-3	Lab	LCS, rec	3/30/2018	Metal	Copper	Total	=	103	%	EPA 200.8	-88	-88	85	115	
2017/18-3	Lab	method blank	3/30/2018	Metal	Copper	Total	<	0.13	µg/L	EPA 200.8	0.13	0.5			
2017/18-3	Lab	LCS	3/30/2018	Metal	Copper	Total	=	51.5	µg/L	EPA 200.8	0.13	0.5			
2017/18-3	Lab	LCS, rec	3/30/2018	Metal	Copper	Total	=	103	%	EPA 200.8	-88	-88	85	115	
2017/18-3	MO-MEI	matrix spike	3/30/2018	Metal	Copper	Total	=	60.5	µg/L	EPA 200.8	0.13	0.5			
2017/18-3	MO-MEI	matrix spike, rec	3/30/2018	Metal	Copper	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2017/18-3	MO-MEI	matrix spike dup	3/30/2018	Metal	Copper	Total	=	60.9	µg/L	EPA 200.8	0.13	0.5			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-3	MO-MEI	matrix spike dup, rec	3/30/2018	Metal	Copper	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2017/18-3	MO-MEI	matrix spike, RPD	3/30/2018	Metal	Copper	Total	=	0.7	%	EPA 200.8	-88	-88	0	30	
2017/18-3	MO-OXN	matrix spike	3/30/2018	Metal	Copper	Total	=	82.8	µg/L	EPA 200.8	0.13	0.5			
2017/18-3	MO-OXN	matrix spike, rec	3/30/2018	Metal	Copper	Total	=	105	%	EPA 200.8	-88	-88	70	130	
2017/18-3	MO-OXN	matrix spike dup	3/30/2018	Metal	Copper	Total	=	81.5	µg/L	EPA 200.8	0.13	0.5			
2017/18-3	MO-OXN	matrix spike dup, rec	3/30/2018	Metal	Copper	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2017/18-3	MO-OXN	matrix spike, RPD	3/30/2018	Metal	Copper	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2017/18-3	MO-THO	matrix spike	3/30/2018	Metal	Copper	Total	=	53.6	µg/L	EPA 200.8	0.13	0.5			
2017/18-3	MO-THO	matrix spike, rec	3/30/2018	Metal	Copper	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2017/18-3	MO-THO	matrix spike dup	3/30/2018	Metal	Copper	Total	=	54.6	µg/L	EPA 200.8	0.13	0.5			
2017/18-3	MO-THO	matrix spike dup, rec	3/30/2018	Metal	Copper	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2017/18-3	MO-THO	matrix spike, RPD	3/30/2018	Metal	Copper	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2017/18-3	Lab	method blank	3/26/2018	Metal	Iron	Dissolved	<	1.1	µg/L	EPA 200.7	1.1	10			
2017/18-3	Lab	LCS	3/26/2018	Metal	Iron	Dissolved	=	185	µg/L	EPA 200.7	1.1	10			
2017/18-3	Lab	LCS, rec	3/26/2018	Metal	Iron	Dissolved	=	92	%	EPA 200.7	-88	-88	85	115	
2017/18-3	Lab	method blank	3/26/2018	Metal	Iron	Dissolved	<	1.1	µg/L	EPA 200.7	1.1	10			
2017/18-3	Lab	LCS	3/26/2018	Metal	Iron	Dissolved	=	179	µg/L	EPA 200.7	1.1	10			
2017/18-3	Lab	LCS, rec	3/26/2018	Metal	Iron	Dissolved	=	89	%	EPA 200.7	-88	-88	85	115	
2017/18-3	Lab	method blank	3/26/2018	Metal	Iron	Total	<	1.1	µg/L	EPA 200.7	1.1	10			
2017/18-3	Lab	LCS	3/26/2018	Metal	Iron	Total	=	185	µg/L	EPA 200.7	1.1	10			
2017/18-3	Lab	LCS, rec	3/26/2018	Metal	Iron	Total	=	92	%	EPA 200.7	-88	-88	85	115	
2017/18-3	Lab	method blank	3/26/2018	Metal	Iron	Total	<	1.1	µg/L	EPA 200.7	1.1	10			
2017/18-3	Lab	LCS	3/26/2018	Metal	Iron	Total	=	179	µg/L	EPA 200.7	1.1	10			
2017/18-3	Lab	LCS, rec	3/26/2018	Metal	Iron	Total	=	89	%	EPA 200.7	-88	-88	85	115	
2017/18-3	MO-HUE	matrix spike	3/26/2018	Metal	Iron	Total	=	2660	µg/L	EPA 200.7	1.1	10			GB
2017/18-3	MO-HUE	matrix spike, rec	3/26/2018	Metal	Iron	Total	=	194	%	EPA 200.7	-88	-88	70	130	GB
2017/18-3	MO-HUE	matrix spike dup	3/26/2018	Metal	Iron	Total	=	2580	µg/L	EPA 200.7	1.1	10			GB
2017/18-3	MO-HUE	matrix spike dup, rec	3/26/2018	Metal	Iron	Total	=	155	%	EPA 200.7	-88	-88	70	130	GB
2017/18-3	MO-HUE	matrix spike, RPD	3/26/2018	Metal	Iron	Total	=	3	%	EPA 200.7	-88	-88	0	30	
2017/18-3	MO-MPK	matrix spike	3/26/2018	Metal	Iron	Total	=	7030	µg/L	EPA 200.7	1.1	10			GB
2017/18-3	MO-MPK	matrix spike, rec	3/26/2018	Metal	Iron	Total	=	-51	%	EPA 200.7	-88	-88	70	130	GB
2017/18-3	MO-MPK	matrix spike dup	3/26/2018	Metal	Iron	Total	=	6820	µg/L	EPA 200.7	1.1	10			GB
2017/18-3	MO-MPK	matrix spike dup, rec	3/26/2018	Metal	Iron	Total	=	-155	%	EPA 200.7	-88	-88	70	130	GB
2017/18-3	MO-MPK	matrix spike, RPD	3/26/2018	Metal	Iron	Total	=	3	%	EPA 200.7	-88	-88	0	30	
2017/18-3	MO-SIM	matrix spike	3/26/2018	Metal	Iron	Total	=	2830	µg/L	EPA 200.7	1.1	10			GB
2017/18-3	MO-SIM	matrix spike, rec	3/26/2018	Metal	Iron	Total	=	174	%	EPA 200.7	-88	-88	70	130	GB
2017/18-3	MO-SIM	matrix spike dup	3/26/2018	Metal	Iron	Total	=	2800	µg/L	EPA 200.7	1.1	10			GB
2017/18-3	MO-SIM	matrix spike dup, rec	3/26/2018	Metal	Iron	Total	=	155	%	EPA 200.7	-88	-88	70	130	GB
2017/18-3	MO-SIM	matrix spike, RPD	3/26/2018	Metal	Iron	Total	=	1	%	EPA 200.7	-88	-88	0	30	
2017/18-3	Lab	method blank	3/30/2018	Metal	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2			
2017/18-3	Lab	LCS	3/30/2018	Metal	Lead	Dissolved	=	49.4	µg/L	EPA 200.8	0.031	0.2			
2017/18-3	Lab	LCS, rec	3/30/2018	Metal	Lead	Dissolved	=	99	%	EPA 200.8	-88	-88	85	115	
2017/18-3	Lab	method blank	3/30/2018	Metal	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2			
2017/18-3	Lab	LCS	3/30/2018	Metal	Lead	Dissolved	=	50.8	µg/L	EPA 200.8	0.031	0.2			
2017/18-3	Lab	LCS, rec	3/30/2018	Metal	Lead	Dissolved	=	102	%	EPA 200.8	-88	-88	85	115	
2017/18-3	Lab	method blank	3/30/2018	Metal	Lead	Total	<	0.031	µg/L	EPA 200.8	0.031	0.2			
2017/18-3	Lab	LCS	3/30/2018	Metal	Lead	Total	=	49.4	µg/L	EPA 200.8	0.031	0.2			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-3	Lab	LCS, rec	3/30/2018	Metal	Lead	Total	=	99	%	EPA 200.8	-88	-88	85	115	
2017/18-3	Lab	method blank	3/30/2018	Metal	Lead	Total	<	0.031	µg/L	EPA 200.8	0.031	0.2			
2017/18-3	Lab	LCS	3/30/2018	Metal	Lead	Total	=	50.8	µg/L	EPA 200.8	0.031	0.2			
2017/18-3	Lab	LCS, rec	3/30/2018	Metal	Lead	Total	=	102	%	EPA 200.8	-88	-88	85	115	
2017/18-3	MO-MEI	matrix spike	3/30/2018	Metal	Lead	Total	=	53.4	µg/L	EPA 200.8	0.031	0.2			
2017/18-3	MO-MEI	matrix spike, rec	3/30/2018	Metal	Lead	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2017/18-3	MO-MEI	matrix spike dup	3/30/2018	Metal	Lead	Total	=	52.8	µg/L	EPA 200.8	0.031	0.2			
2017/18-3	MO-MEI	matrix spike dup, rec	3/30/2018	Metal	Lead	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2017/18-3	MO-MEI	matrix spike, RPD	3/30/2018	Metal	Lead	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2017/18-3	MO-OXN	matrix spike	3/30/2018	Metal	Lead	Total	=	55.8	µg/L	EPA 200.8	0.031	0.2			
2017/18-3	MO-OXN	matrix spike, rec	3/30/2018	Metal	Lead	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2017/18-3	MO-OXN	matrix spike dup	3/30/2018	Metal	Lead	Total	=	55.4	µg/L	EPA 200.8	0.031	0.2			
2017/18-3	MO-OXN	matrix spike dup, rec	3/30/2018	Metal	Lead	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2017/18-3	MO-OXN	matrix spike, RPD	3/30/2018	Metal	Lead	Total	=	0.6	%	EPA 200.8	-88	-88	0	30	
2017/18-3	MO-THO	matrix spike	3/30/2018	Metal	Lead	Total	=	48	µg/L	EPA 200.8	0.031	0.2			
2017/18-3	MO-THO	matrix spike, rec	3/30/2018	Metal	Lead	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2017/18-3	MO-THO	matrix spike dup	3/30/2018	Metal	Lead	Total	=	48.8	µg/L	EPA 200.8	0.031	0.2			
2017/18-3	MO-THO	matrix spike dup, rec	3/30/2018	Metal	Lead	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2017/18-3	MO-THO	matrix spike, RPD	3/30/2018	Metal	Lead	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2017/18-3	Lab	method blank	3/23/2018	Metal	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50			
2017/18-3	Lab	method blank	3/23/2018	Metal	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50			
2017/18-3	Lab	LCS	3/23/2018	Metal	Mercury	Dissolved	=	1010	ng/L	EPA 245.1	17	50			
2017/18-3	Lab	LCS, rec	3/23/2018	Metal	Mercury	Dissolved	=	101	%	EPA 245.1	-88	-88	85	115	
2017/18-3	Lab	method blank	3/23/2018	Metal	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50			
2017/18-3	Lab	LCS	3/23/2018	Metal	Mercury	Dissolved	=	998	ng/L	EPA 245.1	17	50			
2017/18-3	Lab	LCS, rec	3/23/2018	Metal	Mercury	Dissolved	=	100	%	EPA 245.1	-88	-88	85	115	
2017/18-3	ME-CC	matrix spike	3/23/2018	Metal	Mercury	Dissolved	=	992	ng/L	EPA 245.1	17	50			
2017/18-3	ME-CC	matrix spike, rec	3/23/2018	Metal	Mercury	Dissolved	=	99	%	EPA 245.1	-88	-88	70	130	
2017/18-3	ME-CC	matrix spike dup	3/23/2018	Metal	Mercury	Dissolved	=	976	ng/L	EPA 245.1	17	50			
2017/18-3	ME-CC	matrix spike dup, rec	3/23/2018	Metal	Mercury	Dissolved	=	98	%	EPA 245.1	-88	-88	70	130	
2017/18-3	ME-CC	matrix spike, RPD	3/23/2018	Metal	Mercury	Dissolved	=	2	%	EPA 245.1	-88	-88	0	20	
2017/18-3	ME-SCR	matrix spike	3/23/2018	Metal	Mercury	Dissolved	=	953	ng/L	EPA 245.1	17	50			
2017/18-3	ME-SCR	matrix spike, rec	3/23/2018	Metal	Mercury	Dissolved	=	95	%	EPA 245.1	-88	-88	70	130	
2017/18-3	ME-SCR	matrix spike dup	3/23/2018	Metal	Mercury	Dissolved	=	947	ng/L	EPA 245.1	17	50			
2017/18-3	ME-SCR	matrix spike dup, rec	3/23/2018	Metal	Mercury	Dissolved	=	95	%	EPA 245.1	-88	-88	70	130	
2017/18-3	ME-SCR	matrix spike, RPD	3/23/2018	Metal	Mercury	Dissolved	=	0.6	%	EPA 245.1	-88	-88	0	20	
2017/18-3	000NONPJ	matrix spike	3/23/2018	Metal	Mercury	Total	=	1020	ng/L	EPA 245.1	17	50			
2017/18-3	000NONPJ	matrix spike, rec	3/23/2018	Metal	Mercury	Total	=	102	%	EPA 245.1	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike dup	3/23/2018	Metal	Mercury	Total	=	1010	ng/L	EPA 245.1	17	50			
2017/18-3	000NONPJ	matrix spike dup, rec	3/23/2018	Metal	Mercury	Total	=	101	%	EPA 245.1	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike, RPD	3/23/2018	Metal	Mercury	Total	=	2	%	EPA 245.1	-88	-88	0	20	
2017/18-3	000NONPJ	matrix spike	3/23/2018	Metal	Mercury	Total	=	1000	ng/L	EPA 245.1	17	50			
2017/18-3	000NONPJ	matrix spike, rec	3/23/2018	Metal	Mercury	Total	=	100	%	EPA 245.1	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike dup	3/23/2018	Metal	Mercury	Total	=	1010	ng/L	EPA 245.1	17	50			
2017/18-3	000NONPJ	matrix spike dup, rec	3/23/2018	Metal	Mercury	Total	=	101	%	EPA 245.1	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike, RPD	3/23/2018	Metal	Mercury	Total	=	1	%	EPA 245.1	-88	-88	0	20	
2017/18-3	Lab	method blank	3/23/2018	Metal	Mercury	Total	<	17	ng/L	EPA 245.1	17	50			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-3	Lab	LCS	3/23/2018	Metal	Mercury	Total	=	1010	ng/L	EPA 245.1	17	50			
2017/18-3	Lab	LCS, rec	3/23/2018	Metal	Mercury	Total	=	101	%	EPA 245.1	-88	-88	85	115	
2017/18-3	Lab	method blank	3/23/2018	Metal	Mercury	Total	<	17	ng/L	EPA 245.1	17	50			
2017/18-3	Lab	LCS	3/23/2018	Metal	Mercury	Total	=	998	ng/L	EPA 245.1	17	50			
2017/18-3	Lab	LCS, rec	3/23/2018	Metal	Mercury	Total	=	100	%	EPA 245.1	-88	-88	85	115	
2017/18-3	ME-CC	matrix spike	3/23/2018	Metal	Mercury	Total	=	992	ng/L	EPA 245.1	17	50			
2017/18-3	ME-CC	matrix spike, rec	3/23/2018	Metal	Mercury	Total	=	99	%	EPA 245.1	-88	-88	70	130	
2017/18-3	ME-CC	matrix spike dup	3/23/2018	Metal	Mercury	Total	=	976	ng/L	EPA 245.1	17	50			
2017/18-3	ME-CC	matrix spike dup, rec	3/23/2018	Metal	Mercury	Total	=	98	%	EPA 245.1	-88	-88	70	130	
2017/18-3	ME-CC	matrix spike, RPD	3/23/2018	Metal	Mercury	Total	=	2	%	EPA 245.1	-88	-88	0	20	
2017/18-3	ME-SCR	matrix spike	3/23/2018	Metal	Mercury	Total	=	953	ng/L	EPA 245.1	17	50			
2017/18-3	ME-SCR	matrix spike, rec	3/23/2018	Metal	Mercury	Total	=	95	%	EPA 245.1	-88	-88	70	130	
2017/18-3	ME-SCR	matrix spike dup	3/23/2018	Metal	Mercury	Total	=	947	ng/L	EPA 245.1	17	50			
2017/18-3	ME-SCR	matrix spike dup, rec	3/23/2018	Metal	Mercury	Total	=	95	%	EPA 245.1	-88	-88	70	130	
2017/18-3	ME-SCR	matrix spike, RPD	3/23/2018	Metal	Mercury	Total	=	0.6	%	EPA 245.1	-88	-88	0	20	
2017/18-3	Lab	method blank	3/30/2018	Metal	Nickel	Dissolved	<	0.045	µg/L	EPA 200.8	0.045	0.8			
2017/18-3	Lab	LCS	3/30/2018	Metal	Nickel	Dissolved	=	50.8	µg/L	EPA 200.8	0.045	0.8			
2017/18-3	Lab	LCS, rec	3/30/2018	Metal	Nickel	Dissolved	=	102	%	EPA 200.8	-88	-88	85	115	
2017/18-3	Lab	method blank	3/30/2018	Metal	Nickel	Dissolved	DNQ	0.28	µg/L	EPA 200.8	0.045	0.8			IP
2017/18-3	Lab	LCS	3/30/2018	Metal	Nickel	Dissolved	=	50.6	µg/L	EPA 200.8	0.045	0.8			
2017/18-3	Lab	LCS, rec	3/30/2018	Metal	Nickel	Dissolved	=	101	%	EPA 200.8	-88	-88	85	115	
2017/18-3	Lab	method blank	3/30/2018	Metal	Nickel	Total	<	0.045	µg/L	EPA 200.8	0.045	0.8			
2017/18-3	Lab	LCS	3/30/2018	Metal	Nickel	Total	=	50.8	µg/L	EPA 200.8	0.045	0.8			
2017/18-3	Lab	LCS, rec	3/30/2018	Metal	Nickel	Total	=	102	%	EPA 200.8	-88	-88	85	115	
2017/18-3	Lab	method blank	3/30/2018	Metal	Nickel	Total	DNQ	0.08	µg/L	EPA 200.8	0.045	0.8			IP
2017/18-3	Lab	LCS	3/30/2018	Metal	Nickel	Total	=	50.6	µg/L	EPA 200.8	0.045	0.8			
2017/18-3	Lab	LCS, rec	3/30/2018	Metal	Nickel	Total	=	101	%	EPA 200.8	-88	-88	85	115	
2017/18-3	MO-MEI	matrix spike	3/30/2018	Metal	Nickel	Total	=	57	µg/L	EPA 200.8	0.045	0.8			
2017/18-3	MO-MEI	matrix spike, rec	3/30/2018	Metal	Nickel	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2017/18-3	MO-MEI	matrix spike dup	3/30/2018	Metal	Nickel	Total	=	57.2	µg/L	EPA 200.8	0.045	0.8			
2017/18-3	MO-MEI	matrix spike dup, rec	3/30/2018	Metal	Nickel	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2017/18-3	MO-MEI	matrix spike, RPD	3/30/2018	Metal	Nickel	Total	=	0.4	%	EPA 200.8	-88	-88	0	30	
2017/18-3	MO-OXN	matrix spike	3/30/2018	Metal	Nickel	Total	=	57.2	µg/L	EPA 200.8	0.045	0.8			
2017/18-3	MO-OXN	matrix spike, rec	3/30/2018	Metal	Nickel	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2017/18-3	MO-OXN	matrix spike dup	3/30/2018	Metal	Nickel	Total	=	56	µg/L	EPA 200.8	0.045	0.8			
2017/18-3	MO-OXN	matrix spike dup, rec	3/30/2018	Metal	Nickel	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2017/18-3	MO-OXN	matrix spike, RPD	3/30/2018	Metal	Nickel	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2017/18-3	MO-THO	matrix spike	3/30/2018	Metal	Nickel	Total	=	50.8	µg/L	EPA 200.8	0.045	0.8			
2017/18-3	MO-THO	matrix spike, rec	3/30/2018	Metal	Nickel	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2017/18-3	MO-THO	matrix spike dup	3/30/2018	Metal	Nickel	Total	=	51.9	µg/L	EPA 200.8	0.045	0.8			
2017/18-3	MO-THO	matrix spike dup, rec	3/30/2018	Metal	Nickel	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2017/18-3	MO-THO	matrix spike, RPD	3/30/2018	Metal	Nickel	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2017/18-3	Lab	method blank	3/30/2018	Metal	Selenium	Dissolved	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2017/18-3	Lab	LCS	3/30/2018	Metal	Selenium	Dissolved	=	48.8	µg/L	EPA 200.8	0.14	0.4			
2017/18-3	Lab	LCS, rec	3/30/2018	Metal	Selenium	Dissolved	=	98	%	EPA 200.8	-88	-88	85	115	
2017/18-3	Lab	method blank	4/2/2018	Metal	Selenium	Dissolved	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2017/18-3	Lab	LCS	4/2/2018	Metal	Selenium	Dissolved	=	48.7	µg/L	EPA 200.8	0.14	0.4			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-3	Lab	LCS, rec	4/2/2018	Metal	Selenium	Dissolved	=	97	%	EPA 200.8	-88	-88	85	115	
2017/18-3	Lab	method blank	3/30/2018	Metal	Selenium	Total	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2017/18-3	Lab	LCS	3/30/2018	Metal	Selenium	Total	=	48.8	µg/L	EPA 200.8	0.14	0.4			
2017/18-3	Lab	LCS, rec	3/30/2018	Metal	Selenium	Total	=	98	%	EPA 200.8	-88	-88	85	115	
2017/18-3	Lab	method blank	4/2/2018	Metal	Selenium	Total	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2017/18-3	Lab	LCS	4/2/2018	Metal	Selenium	Total	=	48.7	µg/L	EPA 200.8	0.14	0.4			
2017/18-3	Lab	LCS, rec	4/2/2018	Metal	Selenium	Total	=	97	%	EPA 200.8	-88	-88	85	115	
2017/18-3	MO-MEI	matrix spike	3/30/2018	Metal	Selenium	Total	=	46.7	µg/L	EPA 200.8	0.14	0.4			
2017/18-3	MO-MEI	matrix spike, rec	3/30/2018	Metal	Selenium	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2017/18-3	MO-MEI	matrix spike dup	3/30/2018	Metal	Selenium	Total	=	47.9	µg/L	EPA 200.8	0.14	0.4			
2017/18-3	MO-MEI	matrix spike dup, rec	3/30/2018	Metal	Selenium	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2017/18-3	MO-MEI	matrix spike, RPD	3/30/2018	Metal	Selenium	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2017/18-3	MO-OXN	matrix spike	4/2/2018	Metal	Selenium	Total	=	48.4	µg/L	EPA 200.8	0.14	0.4			
2017/18-3	MO-OXN	matrix spike, rec	4/2/2018	Metal	Selenium	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2017/18-3	MO-OXN	matrix spike dup	4/2/2018	Metal	Selenium	Total	=	48	µg/L	EPA 200.8	0.14	0.4			
2017/18-3	MO-OXN	matrix spike dup, rec	4/2/2018	Metal	Selenium	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2017/18-3	MO-OXN	matrix spike, RPD	4/2/2018	Metal	Selenium	Total	=	0.9	%	EPA 200.8	-88	-88	0	30	
2017/18-3	MO-THO	matrix spike	4/2/2018	Metal	Selenium	Total	=	50.1	µg/L	EPA 200.8	0.14	0.4			
2017/18-3	MO-THO	matrix spike, rec	4/2/2018	Metal	Selenium	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2017/18-3	MO-THO	matrix spike dup	4/2/2018	Metal	Selenium	Total	=	51.4	µg/L	EPA 200.8	0.14	0.4			
2017/18-3	MO-THO	matrix spike dup, rec	4/2/2018	Metal	Selenium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2017/18-3	MO-THO	matrix spike, RPD	4/2/2018	Metal	Selenium	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2017/18-3	Lab	method blank	3/30/2018	Metal	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2			
2017/18-3	Lab	LCS	3/30/2018	Metal	Silver	Dissolved	=	49.7	µg/L	EPA 200.8	0.062	0.2			
2017/18-3	Lab	LCS, rec	3/30/2018	Metal	Silver	Dissolved	=	99	%	EPA 200.8	-88	-88	85	115	
2017/18-3	Lab	method blank	3/30/2018	Metal	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2			
2017/18-3	Lab	LCS	3/30/2018	Metal	Silver	Dissolved	=	50.4	µg/L	EPA 200.8	0.062	0.2			
2017/18-3	Lab	LCS, rec	3/30/2018	Metal	Silver	Dissolved	=	101	%	EPA 200.8	-88	-88	85	115	
2017/18-3	Lab	method blank	3/30/2018	Metal	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2			
2017/18-3	Lab	LCS	3/30/2018	Metal	Silver	Total	=	49.7	µg/L	EPA 200.8	0.062	0.2			
2017/18-3	Lab	LCS, rec	3/30/2018	Metal	Silver	Total	=	99	%	EPA 200.8	-88	-88	85	115	
2017/18-3	Lab	method blank	3/30/2018	Metal	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2			
2017/18-3	Lab	LCS	3/30/2018	Metal	Silver	Total	=	50.4	µg/L	EPA 200.8	0.062	0.2			
2017/18-3	Lab	LCS, rec	3/30/2018	Metal	Silver	Total	=	101	%	EPA 200.8	-88	-88	85	115	
2017/18-3	MO-MEI	matrix spike	3/30/2018	Metal	Silver	Total	=	48.7	µg/L	EPA 200.8	0.062	0.2			
2017/18-3	MO-MEI	matrix spike, rec	3/30/2018	Metal	Silver	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2017/18-3	MO-MEI	matrix spike dup	3/30/2018	Metal	Silver	Total	=	48.4	µg/L	EPA 200.8	0.062	0.2			
2017/18-3	MO-MEI	matrix spike dup, rec	3/30/2018	Metal	Silver	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2017/18-3	MO-MEI	matrix spike, RPD	3/30/2018	Metal	Silver	Total	=	0.7	%	EPA 200.8	-88	-88	0	30	
2017/18-3	MO-OXN	matrix spike	3/30/2018	Metal	Silver	Total	=	46.8	µg/L	EPA 200.8	0.062	0.2			
2017/18-3	MO-OXN	matrix spike, rec	3/30/2018	Metal	Silver	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2017/18-3	MO-OXN	matrix spike dup	3/30/2018	Metal	Silver	Total	=	46.7	µg/L	EPA 200.8	0.062	0.2			
2017/18-3	MO-OXN	matrix spike dup, rec	3/30/2018	Metal	Silver	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2017/18-3	MO-OXN	matrix spike, RPD	3/30/2018	Metal	Silver	Total	=	0.3	%	EPA 200.8	-88	-88	0	30	
2017/18-3	MO-THO	matrix spike	3/30/2018	Metal	Silver	Total	=	45.1	µg/L	EPA 200.8	0.062	0.2			
2017/18-3	MO-THO	matrix spike, rec	3/30/2018	Metal	Silver	Total	=	90	%	EPA 200.8	-88	-88	70	130	
2017/18-3	MO-THO	matrix spike dup	3/30/2018	Metal	Silver	Total	=	45.8	µg/L	EPA 200.8	0.062	0.2			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-3	MO-THO	matrix spike dup, rec	3/30/2018	Metal	Silver	Total	=	92	%	EPA 200.8	-88	-88	70	130	
2017/18-3	MO-THO	matrix spike, RPD	3/30/2018	Metal	Silver	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2017/18-3	Lab	method blank	3/30/2018	Metal	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2017/18-3	Lab	LCS	3/30/2018	Metal	Thallium	Dissolved	=	51	µg/L	EPA 200.8	0.014	0.2			
2017/18-3	Lab	LCS, rec	3/30/2018	Metal	Thallium	Dissolved	=	102	%	EPA 200.8	-88	-88	85	115	
2017/18-3	Lab	method blank	3/30/2018	Metal	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2017/18-3	Lab	LCS	3/30/2018	Metal	Thallium	Dissolved	=	52.3	µg/L	EPA 200.8	0.014	0.2			
2017/18-3	Lab	LCS, rec	3/30/2018	Metal	Thallium	Dissolved	=	105	%	EPA 200.8	-88	-88	85	115	
2017/18-3	Lab	method blank	3/30/2018	Metal	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2017/18-3	Lab	LCS	3/30/2018	Metal	Thallium	Total	=	51	µg/L	EPA 200.8	0.014	0.2			
2017/18-3	Lab	LCS, rec	3/30/2018	Metal	Thallium	Total	=	102	%	EPA 200.8	-88	-88	85	115	
2017/18-3	Lab	method blank	3/30/2018	Metal	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2017/18-3	Lab	LCS	3/30/2018	Metal	Thallium	Total	=	52.3	µg/L	EPA 200.8	0.014	0.2			
2017/18-3	Lab	LCS, rec	3/30/2018	Metal	Thallium	Total	=	105	%	EPA 200.8	-88	-88	85	115	
2017/18-3	MO-MEI	matrix spike	3/30/2018	Metal	Thallium	Total	=	51	µg/L	EPA 200.8	0.014	0.2			
2017/18-3	MO-MEI	matrix spike, rec	3/30/2018	Metal	Thallium	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2017/18-3	MO-MEI	matrix spike dup	3/30/2018	Metal	Thallium	Total	=	50.5	µg/L	EPA 200.8	0.014	0.2			
2017/18-3	MO-MEI	matrix spike dup, rec	3/30/2018	Metal	Thallium	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2017/18-3	MO-MEI	matrix spike, RPD	3/30/2018	Metal	Thallium	Total	=	0.9	%	EPA 200.8	-88	-88	0	30	
2017/18-3	MO-OXN	matrix spike	3/30/2018	Metal	Thallium	Total	=	49	µg/L	EPA 200.8	0.014	0.2			
2017/18-3	MO-OXN	matrix spike, rec	3/30/2018	Metal	Thallium	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2017/18-3	MO-OXN	matrix spike dup	3/30/2018	Metal	Thallium	Total	=	49.2	µg/L	EPA 200.8	0.014	0.2			
2017/18-3	MO-OXN	matrix spike dup, rec	3/30/2018	Metal	Thallium	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2017/18-3	MO-OXN	matrix spike, RPD	3/30/2018	Metal	Thallium	Total	=	0.4	%	EPA 200.8	-88	-88	0	30	
2017/18-3	MO-THO	matrix spike	3/30/2018	Metal	Thallium	Total	=	48	µg/L	EPA 200.8	0.014	0.2			
2017/18-3	MO-THO	matrix spike, rec	3/30/2018	Metal	Thallium	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2017/18-3	MO-THO	matrix spike dup	3/30/2018	Metal	Thallium	Total	=	50.1	µg/L	EPA 200.8	0.014	0.2			
2017/18-3	MO-THO	matrix spike dup, rec	3/30/2018	Metal	Thallium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2017/18-3	MO-THO	matrix spike, RPD	3/30/2018	Metal	Thallium	Total	=	4	%	EPA 200.8	-88	-88	0	30	
2017/18-3	Lab	method blank	3/30/2018	Metal	Zinc	Dissolved	DNQ	1.62	µg/L	EPA 200.8	0.94	5			IP
2017/18-3	Lab	LCS	3/30/2018	Metal	Zinc	Dissolved	=	52	µg/L	EPA 200.8	0.94	5			
2017/18-3	Lab	LCS, rec	3/30/2018	Metal	Zinc	Dissolved	=	104	%	EPA 200.8	-88	-88	85	115	
2017/18-3	Lab	method blank	3/30/2018	Metal	Zinc	Dissolved	DNQ	1.81	µg/L	EPA 200.8	0.94	5			IP
2017/18-3	Lab	LCS	3/30/2018	Metal	Zinc	Dissolved	=	55.7	µg/L	EPA 200.8	0.94	5			
2017/18-3	Lab	LCS, rec	3/30/2018	Metal	Zinc	Dissolved	=	111	%	EPA 200.8	-88	-88	85	115	
2017/18-3	Lab	method blank	3/30/2018	Metal	Zinc	Total	<	0.94	µg/L	EPA 200.8	0.94	5			
2017/18-3	Lab	LCS	3/30/2018	Metal	Zinc	Total	=	52	µg/L	EPA 200.8	0.94	5			
2017/18-3	Lab	LCS, rec	3/30/2018	Metal	Zinc	Total	=	104	%	EPA 200.8	-88	-88	85	115	
2017/18-3	Lab	method blank	3/30/2018	Metal	Zinc	Total	<	0.94	µg/L	EPA 200.8	0.94	5			
2017/18-3	Lab	LCS	3/30/2018	Metal	Zinc	Total	=	55.7	µg/L	EPA 200.8	0.94	5			
2017/18-3	Lab	LCS, rec	3/30/2018	Metal	Zinc	Total	=	111	%	EPA 200.8	-88	-88	85	115	
2017/18-3	MO-MEI	matrix spike	3/30/2018	Metal	Zinc	Total	=	101	µg/L	EPA 200.8	0.94	5			
2017/18-3	MO-MEI	matrix spike, rec	3/30/2018	Metal	Zinc	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2017/18-3	MO-MEI	matrix spike dup	3/30/2018	Metal	Zinc	Total	=	100	µg/L	EPA 200.8	0.94	5			
2017/18-3	MO-MEI	matrix spike dup, rec	3/30/2018	Metal	Zinc	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2017/18-3	MO-MEI	matrix spike, RPD	3/30/2018	Metal	Zinc	Total	=	0.7	%	EPA 200.8	-88	-88	0	30	
2017/18-3	MO-OXN	matrix spike	3/30/2018	Metal	Zinc	Total	=	221	µg/L	EPA 200.8	0.94	5			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-3	MO-OXN	matrix spike, rec	3/30/2018	Metal	Zinc	Total	=	119	%	EPA 200.8	-88	-88	70	130	
2017/18-3	MO-OXN	matrix spike dup	3/30/2018	Metal	Zinc	Total	=	219	µg/L	EPA 200.8	0.94	5			
2017/18-3	MO-OXN	matrix spike dup, rec	3/30/2018	Metal	Zinc	Total	=	114	%	EPA 200.8	-88	-88	70	130	
2017/18-3	MO-OXN	matrix spike, RPD	3/30/2018	Metal	Zinc	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2017/18-3	MO-THO	matrix spike	3/30/2018	Metal	Zinc	Total	=	63.6	µg/L	EPA 200.8	0.94	5			
2017/18-3	MO-THO	matrix spike, rec	3/30/2018	Metal	Zinc	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2017/18-3	MO-THO	matrix spike dup	3/30/2018	Metal	Zinc	Total	=	64.5	µg/L	EPA 200.8	0.94	5			
2017/18-3	MO-THO	matrix spike dup, rec	3/30/2018	Metal	Zinc	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2017/18-3	MO-THO	matrix spike, RPD	3/30/2018	Metal	Zinc	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2017/18-3	Lab	LCS	3/21/2018	Nutrient	Ammonia as N	n/a	=	0.252	mg/L	EPA 350.1	0.048	0.1			
2017/18-3	Lab	LCS	3/21/2018	Nutrient	Ammonia as N	n/a	=	0.253	mg/L	EPA 350.1	0.048	0.1			
2017/18-3	Lab	LCS dup	3/21/2018	Nutrient	Ammonia as N	n/a	=	0.256	mg/L	EPA 350.1	0.048	0.1			
2017/18-3	Lab	LCS dup, rec	3/21/2018	Nutrient	Ammonia as N	n/a	=	102	%	EPA 350.1	-88	-88	90	110	
2017/18-3	Lab	LCS, rec	3/21/2018	Nutrient	Ammonia as N	n/a	=	101	%	EPA 350.1	-88	-88	90	110	
2017/18-3	Lab	LCS, rec	3/21/2018	Nutrient	Ammonia as N	n/a	=	101	%	EPA 350.1	-88	-88	90	110	
2017/18-3	Lab	LCS, RPD	3/21/2018	Nutrient	Ammonia as N	n/a	=	2	%	EPA 350.1	-88	-88	0	15	
2017/18-3	Lab	method blank	3/21/2018	Nutrient	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1			
2017/18-3	Lab	method blank	3/21/2018	Nutrient	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1			
2017/18-3	ME-SCR	matrix spike	3/21/2018	Nutrient	Ammonia as N	n/a	=	0.334	mg/L	EPA 350.1	0.048	0.1			
2017/18-3	ME-SCR	matrix spike dup	3/21/2018	Nutrient	Ammonia as N	n/a	=	0.334	mg/L	EPA 350.1	0.048	0.1			
2017/18-3	ME-SCR	matrix spike dup, rec	3/21/2018	Nutrient	Ammonia as N	n/a	=	99	%	EPA 350.1	-88	-88	90	110	
2017/18-3	ME-SCR	matrix spike, rec	3/21/2018	Nutrient	Ammonia as N	n/a	=	99	%	EPA 350.1	-88	-88	90	110	
2017/18-3	ME-SCR	matrix spike, RPD	3/21/2018	Nutrient	Ammonia as N	n/a	=	0.1	%	EPA 350.1	-88	-88	0	15	
2017/18-3	MO-FIL	matrix spike	3/21/2018	Nutrient	Ammonia as N	n/a	=	0.499	mg/L	EPA 350.1	0.048	0.1			
2017/18-3	MO-FIL	matrix spike dup	3/21/2018	Nutrient	Ammonia as N	n/a	=	0.497	mg/L	EPA 350.1	0.048	0.1			
2017/18-3	MO-FIL	matrix spike dup, rec	3/21/2018	Nutrient	Ammonia as N	n/a	=	100	%	EPA 350.1	-88	-88	90	110	
2017/18-3	MO-FIL	matrix spike, rec	3/21/2018	Nutrient	Ammonia as N	n/a	=	101	%	EPA 350.1	-88	-88	90	110	
2017/18-3	MO-FIL	matrix spike, RPD	3/21/2018	Nutrient	Ammonia as N	n/a	=	0.5	%	EPA 350.1	-88	-88	0	15	
2017/18-3	000NONPJ	matrix spike	3/12/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	3.11	mg/L	EPA 353.2	0.083	0.2			
2017/18-3	000NONPJ	matrix spike, rec	3/12/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	96	%	EPA 353.2	-88	-88	90	110	
2017/18-3	000NONPJ	matrix spike dup	3/12/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	3.06	mg/L	EPA 353.2	0.083	0.2			
2017/18-3	000NONPJ	matrix spike dup, rec	3/12/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	94	%	EPA 353.2	-88	-88	90	110	
2017/18-3	000NONPJ	matrix spike, RPD	3/12/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	2	%	EPA 353.2	-88	-88	0	20	
2017/18-3	000NONPJ	matrix spike	3/12/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	3.02	mg/L	EPA 353.2	0.083	0.2			
2017/18-3	000NONPJ	matrix spike, rec	3/12/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	90	%	EPA 353.2	-88	-88	90	110	
2017/18-3	000NONPJ	matrix spike dup	3/12/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	3.02	mg/L	EPA 353.2	0.083	0.2			
2017/18-3	000NONPJ	matrix spike dup, rec	3/12/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	90	%	EPA 353.2	-88	-88	90	110	
2017/18-3	000NONPJ	matrix spike, RPD	3/12/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	0.1	%	EPA 353.2	-88	-88	0	20	
2017/18-3	Lab	method blank	3/12/2018	Nutrient	Nitrate + Nitrite as N	n/a	<	0.083	mg/L	EPA 353.2	0.083	0.2			
2017/18-3	Lab	LCS	3/12/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	0.93	mg/L	EPA 353.2	0.083	0.2			
2017/18-3	Lab	LCS, rec	3/12/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	93	%	EPA 353.2	-88	-88	90	110	
2017/18-3	Lab	method blank	3/25/2018	Nutrient	Nitrate + Nitrite as N	n/a	<	0.083	mg/L	EPA 353.2	0.083	0.2			
2017/18-3	Lab	LCS	3/25/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	1	mg/L	EPA 353.2	0.083	0.2			
2017/18-3	Lab	LCS, rec	3/25/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	100	%	EPA 353.2	-88	-88	90	110	
2017/18-3	ME-SCR	matrix spike	3/25/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	4.17	mg/L	EPA 353.2	0.083	0.2			
2017/18-3	ME-SCR	matrix spike, rec	3/25/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	96	%	EPA 353.2	-88	-88	90	110	
2017/18-3	ME-SCR	matrix spike dup	3/25/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	4.17	mg/L	EPA 353.2	0.083	0.2			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-3	ME-SCR	matrix spike dup, rec	3/25/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	96	%	EPA 353.2	-88	-88	90	110	
2017/18-3	ME-SCR	matrix spike, RPD	3/25/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	0	%	EPA 353.2	-88	-88	0	20	
2017/18-3	ME-VR2	matrix spike	3/25/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	2.39	mg/L	EPA 353.2	0.083	0.2			
2017/18-3	ME-VR2	matrix spike, rec	3/25/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	95	%	EPA 353.2	-88	-88	90	110	
2017/18-3	ME-VR2	matrix spike dup	3/25/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	2.48	mg/L	EPA 353.2	0.083	0.2			
2017/18-3	ME-VR2	matrix spike dup, rec	3/25/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	99	%	EPA 353.2	-88	-88	90	110	
2017/18-3	ME-VR2	matrix spike, RPD	3/25/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	4	%	EPA 353.2	-88	-88	0	20	
2017/18-3	000NONPJ	matrix spike	3/12/2018	Nutrient	Nitrate as N	n/a	=	3.11	mg/L	EPA 353.2	0.083	0.2			
2017/18-3	000NONPJ	matrix spike, rec	3/12/2018	Nutrient	Nitrate as N	n/a	=	96	%	EPA 353.2	-88	-88	90	110	
2017/18-3	000NONPJ	matrix spike dup	3/12/2018	Nutrient	Nitrate as N	n/a	=	3.06	mg/L	EPA 353.2	0.083	0.2			
2017/18-3	000NONPJ	matrix spike dup, rec	3/12/2018	Nutrient	Nitrate as N	n/a	=	94	%	EPA 353.2	-88	-88	90	110	
2017/18-3	000NONPJ	matrix spike, RPD	3/12/2018	Nutrient	Nitrate as N	n/a	=	2	%	EPA 353.2	-88	-88	0	20	
2017/18-3	000NONPJ	matrix spike	3/12/2018	Nutrient	Nitrate as N	n/a	=	3.02	mg/L	EPA 353.2	0.083	0.2			
2017/18-3	000NONPJ	matrix spike, rec	3/12/2018	Nutrient	Nitrate as N	n/a	=	90	%	EPA 353.2	-88	-88	90	110	
2017/18-3	000NONPJ	matrix spike dup	3/12/2018	Nutrient	Nitrate as N	n/a	=	3.02	mg/L	EPA 353.2	0.083	0.2			
2017/18-3	000NONPJ	matrix spike dup, rec	3/12/2018	Nutrient	Nitrate as N	n/a	=	90	%	EPA 353.2	-88	-88	90	110	
2017/18-3	000NONPJ	matrix spike, RPD	3/12/2018	Nutrient	Nitrate as N	n/a	=	0.1	%	EPA 353.2	-88	-88	0	20	
2017/18-3	Lab	method blank	3/12/2018	Nutrient	Nitrate as N	n/a	<	0.083	mg/L	EPA 353.2	0.083	0.2			
2017/18-3	Lab	LCS	3/12/2018	Nutrient	Nitrate as N	n/a	=	0.93	mg/L	EPA 353.2	0.083	0.2			
2017/18-3	Lab	LCS, rec	3/12/2018	Nutrient	Nitrate as N	n/a	=	93	%	EPA 353.2	-88	-88	90	110	
2017/18-3	000NONPJ	matrix spike	3/27/2018	Nutrient	Phosphorus as P	Dissolved	=	0.34	mg/L	EPA 365.1	0.0028	0.02			
2017/18-3	000NONPJ	matrix spike, rec	3/27/2018	Nutrient	Phosphorus as P	Dissolved	=	108	%	EPA 365.1	-88	-88	90	110	
2017/18-3	000NONPJ	matrix spike dup	3/27/2018	Nutrient	Phosphorus as P	Dissolved	=	0.356	mg/L	EPA 365.1	0.0028	0.02			GB
2017/18-3	000NONPJ	matrix spike dup, rec	3/27/2018	Nutrient	Phosphorus as P	Dissolved	=	124	%	EPA 365.1	-88	-88	90	110	GB
2017/18-3	000NONPJ	matrix spike, RPD	3/27/2018	Nutrient	Phosphorus as P	Dissolved	=	5	%	EPA 365.1	-88	-88	0	20	
2017/18-3	Lab	method blank	3/27/2018	Nutrient	Phosphorus as P	Dissolved	<	0.0014	mg/L	EPA 365.1	0.0014	0.01			
2017/18-3	Lab	LCS	3/27/2018	Nutrient	Phosphorus as P	Dissolved	=	0.0491	mg/L	EPA 365.1	0.0014	0.01			
2017/18-3	Lab	LCS, rec	3/27/2018	Nutrient	Phosphorus as P	Dissolved	=	98	%	EPA 365.1	-88	-88	90	110	
2017/18-3	MO-CAM	matrix spike	3/27/2018	Nutrient	Phosphorus as P	Dissolved	=	0.332	mg/L	EPA 365.1	0.0028	0.02			
2017/18-3	MO-CAM	matrix spike, rec	3/27/2018	Nutrient	Phosphorus as P	Dissolved	=	108	%	EPA 365.1	-88	-88	90	110	
2017/18-3	MO-CAM	matrix spike dup	3/27/2018	Nutrient	Phosphorus as P	Dissolved	=	0.334	mg/L	EPA 365.1	0.0028	0.02			
2017/18-3	MO-CAM	matrix spike dup, rec	3/27/2018	Nutrient	Phosphorus as P	Dissolved	=	110	%	EPA 365.1	-88	-88	90	110	
2017/18-3	MO-CAM	matrix spike, RPD	3/27/2018	Nutrient	Phosphorus as P	Dissolved	=	0.6	%	EPA 365.1	-88	-88	0	20	
2017/18-3	000NONPJ	matrix spike	3/22/2018	Nutrient	Phosphorus as P	Total	=	0.71	mg/L	EPA 365.1	0.007	0.05			
2017/18-3	000NONPJ	matrix spike, rec	3/22/2018	Nutrient	Phosphorus as P	Total	=	102	%	EPA 365.1	-88	-88	90	110	
2017/18-3	000NONPJ	matrix spike dup	3/22/2018	Nutrient	Phosphorus as P	Total	=	0.735	mg/L	EPA 365.1	0.007	0.05			GB
2017/18-3	000NONPJ	matrix spike dup, rec	3/22/2018	Nutrient	Phosphorus as P	Total	=	112	%	EPA 365.1	-88	-88	90	110	GB
2017/18-3	000NONPJ	matrix spike, RPD	3/22/2018	Nutrient	Phosphorus as P	Total	=	3	%	EPA 365.1	-88	-88	0	20	
2017/18-3	000NONPJ	matrix spike	3/27/2018	Nutrient	Phosphorus as P	Total	=	0.436	mg/L	EPA 365.1	0.0056	0.04			
2017/18-3	000NONPJ	matrix spike, rec	3/27/2018	Nutrient	Phosphorus as P	Total	=	102	%	EPA 365.1	-88	-88	90	110	
2017/18-3	000NONPJ	matrix spike dup	3/27/2018	Nutrient	Phosphorus as P	Total	=	0.46	mg/L	EPA 365.1	0.0056	0.04			GB
2017/18-3	000NONPJ	matrix spike dup, rec	3/27/2018	Nutrient	Phosphorus as P	Total	=	126	%	EPA 365.1	-88	-88	90	110	GB
2017/18-3	000NONPJ	matrix spike, RPD	3/27/2018	Nutrient	Phosphorus as P	Total	=	5	%	EPA 365.1	-88	-88	0	20	
2017/18-3	Lab	method blank	3/22/2018	Nutrient	Phosphorus as P	Total	DNQ	0.0017	mg/L	EPA 365.1	0.0014	0.01			IP
2017/18-3	Lab	LCS	3/22/2018	Nutrient	Phosphorus as P	Total	=	0.0517	mg/L	EPA 365.1	0.0014	0.01			
2017/18-3	Lab	LCS, rec	3/22/2018	Nutrient	Phosphorus as P	Total	=	103	%	EPA 365.1	-88	-88	90	110	
2017/18-3	Lab	method blank	3/27/2018	Nutrient	Phosphorus as P	Total	<	0.0014	mg/L	EPA 365.1	0.0014	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-3	Lab	LCS	3/27/2018	Nutrient	Phosphorus as P	Total	=	0.0504	mg/L	EPA 365.1	0.0014	0.01			
2017/18-3	Lab	LCS, rec	3/27/2018	Nutrient	Phosphorus as P	Total	=	101	%	EPA 365.1	-88	-88	90	110	
2017/18-3	ME-SCR	matrix spike	3/22/2018	Nutrient	Phosphorus as P	Total	=	0.189	mg/L	EPA 365.1	0.0014	0.01			
2017/18-3	ME-SCR	matrix spike, rec	3/22/2018	Nutrient	Phosphorus as P	Total	=	100	%	EPA 365.1	-88	-88	90	110	
2017/18-3	ME-SCR	matrix spike dup	3/22/2018	Nutrient	Phosphorus as P	Total	=	0.192	mg/L	EPA 365.1	0.0014	0.01			
2017/18-3	ME-SCR	matrix spike dup, rec	3/22/2018	Nutrient	Phosphorus as P	Total	=	106	%	EPA 365.1	-88	-88	90	110	
2017/18-3	ME-SCR	matrix spike, RPD	3/22/2018	Nutrient	Phosphorus as P	Total	=	2	%	EPA 365.1	-88	-88	0	20	
2017/18-3	MO-HUE	matrix spike	3/27/2018	Nutrient	Phosphorus as P	Total	=	0.628	mg/L	EPA 365.1	0.0056	0.04			GB
2017/18-3	MO-HUE	matrix spike, rec	3/27/2018	Nutrient	Phosphorus as P	Total	=	168	%	EPA 365.1	-88	-88	90	110	GB
2017/18-3	MO-HUE	matrix spike dup	3/27/2018	Nutrient	Phosphorus as P	Total	=	0.676	mg/L	EPA 365.1	0.0056	0.04			GB
2017/18-3	MO-HUE	matrix spike dup, rec	3/27/2018	Nutrient	Phosphorus as P	Total	=	216	%	EPA 365.1	-88	-88	90	110	GB
2017/18-3	MO-HUE	matrix spike, RPD	3/27/2018	Nutrient	Phosphorus as P	Total	=	7	%	EPA 365.1	-88	-88	0	20	
2017/18-3	000NONPJ	matrix spike	3/23/2018	Nutrient	TKN	n/a	=	1.25	mg/L	EPA 351.2	0.05	0.1			
2017/18-3	000NONPJ	matrix spike	3/23/2018	Nutrient	TKN	n/a	=	1.18	mg/L	EPA 351.2	0.05	0.1			
2017/18-3	000NONPJ	matrix spike dup	3/23/2018	Nutrient	TKN	n/a	=	1.15	mg/L	EPA 351.2	0.05	0.1			
2017/18-3	000NONPJ	matrix spike dup	3/23/2018	Nutrient	TKN	n/a	=	1.26	mg/L	EPA 351.2	0.05	0.1			
2017/18-3	000NONPJ	matrix spike dup, rec	3/23/2018	Nutrient	TKN	n/a	=	106	%	EPA 351.2	-88	-88	90	110	
2017/18-3	000NONPJ	matrix spike dup, rec	3/23/2018	Nutrient	TKN	n/a	=	97	%	EPA 351.2	-88	-88	90	110	
2017/18-3	000NONPJ	matrix spike, rec	3/23/2018	Nutrient	TKN	n/a	=	105	%	EPA 351.2	-88	-88	90	110	
2017/18-3	000NONPJ	matrix spike, rec	3/23/2018	Nutrient	TKN	n/a	=	99	%	EPA 351.2	-88	-88	90	110	
2017/18-3	000NONPJ	matrix spike, RPD	3/23/2018	Nutrient	TKN	n/a	=	1	%	EPA 351.2	-88	-88	0	10	
2017/18-3	000NONPJ	matrix spike, RPD	3/23/2018	Nutrient	TKN	n/a	=	2	%	EPA 351.2	-88	-88	0	10	
2017/18-3	Lab	LCS	3/23/2018	Nutrient	TKN	n/a	=	0.971	mg/L	EPA 351.2	0.05	0.1			
2017/18-3	Lab	LCS	3/23/2018	Nutrient	TKN	n/a	=	1	mg/L	EPA 351.2	0.05	0.1			
2017/18-3	Lab	LCS, rec	3/23/2018	Nutrient	TKN	n/a	=	97	%	EPA 351.2	-88	-88	90	110	
2017/18-3	Lab	LCS, rec	3/23/2018	Nutrient	TKN	n/a	=	100	%	EPA 351.2	-88	-88	90	110	
2017/18-3	Lab	method blank	3/23/2018	Nutrient	TKN	n/a	<	0.05	mg/L	EPA 351.2	0.05	0.1			
2017/18-3	Lab	method blank	3/23/2018	Nutrient	TKN	n/a	<	0.05	mg/L	EPA 351.2	0.05	0.1			
2017/18-3	Lab	method blank	3/22/2018	Organic	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1			
2017/18-3	Lab	LCS	3/22/2018	Organic	1,2,4-Trichlorobenzene	n/a	=	18.5	µg/L	EPA 625	0.55	1			
2017/18-3	Lab	LCS, rec	3/22/2018	Organic	1,2,4-Trichlorobenzene	n/a	=	74	%	EPA 625	-88	-88	44	142	
2017/18-3	Lab	LCS dup	3/22/2018	Organic	1,2,4-Trichlorobenzene	n/a	=	18.5	µg/L	EPA 625	0.55	1			
2017/18-3	Lab	LCS dup, rec	3/22/2018	Organic	1,2,4-Trichlorobenzene	n/a	=	74	%	EPA 625	-88	-88	44	142	
2017/18-3	Lab	LCS, RPD	3/22/2018	Organic	1,2,4-Trichlorobenzene	n/a	=	0.2	%	EPA 625	-88	-88	0	30	
2017/18-3	Lab	method blank	3/22/2018	Organic	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1			
2017/18-3	Lab	LCS	3/22/2018	Organic	1,2-Dichlorobenzene	n/a	=	18	µg/L	EPA 625	0.57	1			
2017/18-3	Lab	LCS, rec	3/22/2018	Organic	1,2-Dichlorobenzene	n/a	=	72	%	EPA 625	-88	-88	32	129	
2017/18-3	Lab	LCS dup	3/22/2018	Organic	1,2-Dichlorobenzene	n/a	=	17.8	µg/L	EPA 625	0.57	1			
2017/18-3	Lab	LCS dup, rec	3/22/2018	Organic	1,2-Dichlorobenzene	n/a	=	71	%	EPA 625	-88	-88	32	129	
2017/18-3	Lab	LCS, RPD	3/22/2018	Organic	1,2-Dichlorobenzene	n/a	=	0.8	%	EPA 625	-88	-88	0	30	
2017/18-3	Lab	srgt LCS	3/13/2018	Organic	1,2-Dichloroethane-d4	n/a	=	46.9	µg/L	EPA 624	-88	-88			
2017/18-3	Lab	srgt LCS, rec	3/13/2018	Organic	1,2-Dichloroethane-d4	n/a	=	94	%	EPA 624	-88	-88	82	125	
2017/18-3	Lab	srgt LCS dup	3/13/2018	Organic	1,2-Dichloroethane-d4	n/a	=	47	µg/L	EPA 624	-88	-88			
2017/18-3	Lab	srgt LCS dup, rec	3/13/2018	Organic	1,2-Dichloroethane-d4	n/a	=	94	%	EPA 624	-88	-88	82	125	
2017/18-3	Lab	srgt method blank	3/13/2018	Organic	1,2-Dichloroethane-d4	n/a	=	43.6	µg/L	EPA 624	-88	-88			
2017/18-3	Lab	srgt method blank, rec	3/13/2018	Organic	1,2-Dichloroethane-d4	n/a	=	87	%	EPA 624	-88	-88	82	125	
2017/18-3	ME-CC	srgt environ	3/13/2018	Organic	1,2-Dichloroethane-d4	n/a	=	43.2	µg/L	EPA 624	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-3	ME-CC	srgt environ, rec	3/13/2018	Organic	1,2-Dichloroethane-d4	n/a	=	86	%	EPA 624	-88	-88	82	125	
2017/18-3	ME-CC	srgt field duplicate	3/13/2018	Organic	1,2-Dichloroethane-d4	n/a	=	42.6	µg/L	EPA 624	-88	-88			
2017/18-3	ME-CC	srgt field duplicate, rec	3/13/2018	Organic	1,2-Dichloroethane-d4	n/a	=	85	%	EPA 624	-88	-88	82	125	
2017/18-3	ME-SCR	srgt environ	3/13/2018	Organic	1,2-Dichloroethane-d4	n/a	=	42.7	µg/L	EPA 624	-88	-88			
2017/18-3	ME-SCR	srgt environ, rec	3/13/2018	Organic	1,2-Dichloroethane-d4	n/a	=	85	%	EPA 624	-88	-88	82	125	
2017/18-3	ME-VR2	srgt environ	3/13/2018	Organic	1,2-Dichloroethane-d4	n/a	=	42.9	µg/L	EPA 624	-88	-88			
2017/18-3	ME-VR2	srgt environ, rec	3/13/2018	Organic	1,2-Dichloroethane-d4	n/a	=	86	%	EPA 624	-88	-88	82	125	
2017/18-3	MO-CAM	srgt environ	3/13/2018	Organic	1,2-Dichloroethane-d4	n/a	=	42.8	µg/L	EPA 624	-88	-88			
2017/18-3	MO-CAM	srgt environ, rec	3/13/2018	Organic	1,2-Dichloroethane-d4	n/a	=	86	%	EPA 624	-88	-88	82	125	
2017/18-3	MO-FIL	srgt environ	3/13/2018	Organic	1,2-Dichloroethane-d4	n/a	=	42.6	µg/L	EPA 624	-88	-88			
2017/18-3	MO-FIL	srgt environ, rec	3/13/2018	Organic	1,2-Dichloroethane-d4	n/a	=	85	%	EPA 624	-88	-88	82	125	
2017/18-3	MO-HUE	srgt environ	3/13/2018	Organic	1,2-Dichloroethane-d4	n/a	=	43	µg/L	EPA 624	-88	-88			
2017/18-3	MO-HUE	srgt environ, rec	3/13/2018	Organic	1,2-Dichloroethane-d4	n/a	=	86	%	EPA 624	-88	-88	82	125	
2017/18-3	MO-MEI	srgt environ	3/13/2018	Organic	1,2-Dichloroethane-d4	n/a	=	42.6	µg/L	EPA 624	-88	-88			
2017/18-3	MO-MEI	srgt environ, rec	3/13/2018	Organic	1,2-Dichloroethane-d4	n/a	=	85	%	EPA 624	-88	-88	82	125	
2017/18-3	MO-MPK	srgt environ	3/13/2018	Organic	1,2-Dichloroethane-d4	n/a	=	43	µg/L	EPA 624	-88	-88			
2017/18-3	MO-MPK	srgt environ, rec	3/13/2018	Organic	1,2-Dichloroethane-d4	n/a	=	86	%	EPA 624	-88	-88	82	125	
2017/18-3	MO-MPK	srgt matrix spike	3/13/2018	Organic	1,2-Dichloroethane-d4	n/a	=	45.8	µg/L	EPA 624	-88	-88			
2017/18-3	MO-MPK	srgt matrix spike, rec	3/13/2018	Organic	1,2-Dichloroethane-d4	n/a	=	92	%	EPA 624	-88	-88	82	125	
2017/18-3	MO-MPK	srgt matrix spike dup	3/13/2018	Organic	1,2-Dichloroethane-d4	n/a	=	45.3	µg/L	EPA 624	-88	-88			
2017/18-3	MO-MPK	srgt matrix spike dup, rec	3/13/2018	Organic	1,2-Dichloroethane-d4	n/a	=	91	%	EPA 624	-88	-88	82	125	
2017/18-3	MO-OJA	srgt environ	3/13/2018	Organic	1,2-Dichloroethane-d4	n/a	=	42.9	µg/L	EPA 624	-88	-88			
2017/18-3	MO-OJA	srgt environ, rec	3/13/2018	Organic	1,2-Dichloroethane-d4	n/a	=	86	%	EPA 624	-88	-88	82	125	
2017/18-3	MO-OXN	srgt environ	3/13/2018	Organic	1,2-Dichloroethane-d4	n/a	=	42.6	µg/L	EPA 624	-88	-88			
2017/18-3	MO-OXN	srgt environ, rec	3/13/2018	Organic	1,2-Dichloroethane-d4	n/a	=	85	%	EPA 624	-88	-88	82	125	
2017/18-3	MO-SIM	srgt environ	3/13/2018	Organic	1,2-Dichloroethane-d4	n/a	=	42.8	µg/L	EPA 624	-88	-88			
2017/18-3	MO-SIM	srgt environ, rec	3/13/2018	Organic	1,2-Dichloroethane-d4	n/a	=	86	%	EPA 624	-88	-88	82	125	
2017/18-3	MO-SPA	srgt environ	3/13/2018	Organic	1,2-Dichloroethane-d4	n/a	=	42.4	µg/L	EPA 624	-88	-88			
2017/18-3	MO-SPA	srgt environ, rec	3/13/2018	Organic	1,2-Dichloroethane-d4	n/a	=	85	%	EPA 624	-88	-88	82	125	
2017/18-3	MO-THO	srgt environ	3/13/2018	Organic	1,2-Dichloroethane-d4	n/a	=	43	µg/L	EPA 624	-88	-88			
2017/18-3	MO-THO	srgt environ, rec	3/13/2018	Organic	1,2-Dichloroethane-d4	n/a	=	86	%	EPA 624	-88	-88	82	125	
2017/18-3	MO-VEN	srgt environ	3/13/2018	Organic	1,2-Dichloroethane-d4	n/a	=	42.3	µg/L	EPA 624	-88	-88			
2017/18-3	MO-VEN	srgt environ, rec	3/13/2018	Organic	1,2-Dichloroethane-d4	n/a	=	85	%	EPA 624	-88	-88	82	125	
2017/18-3	Lab	method blank	3/22/2018	Organic	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2017/18-3	Lab	method blank	3/22/2018	Organic	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1			
2017/18-3	Lab	LCS	3/22/2018	Organic	1,3-Dichlorobenzene	n/a	=	16.9	µg/L	EPA 625	0.53	1			
2017/18-3	Lab	LCS, rec	3/22/2018	Organic	1,3-Dichlorobenzene	n/a	=	68	%	EPA 625	-88	-88	0.1	172	
2017/18-3	Lab	LCS dup	3/22/2018	Organic	1,3-Dichlorobenzene	n/a	=	17.8	µg/L	EPA 625	0.53	1			
2017/18-3	Lab	LCS dup, rec	3/22/2018	Organic	1,3-Dichlorobenzene	n/a	=	71	%	EPA 625	-88	-88	0.1	172	
2017/18-3	Lab	LCS, RPD	3/22/2018	Organic	1,3-Dichlorobenzene	n/a	=	5	%	EPA 625	-88	-88	0	30	
2017/18-3	000NONPJ	srgt matrix spike	3/19/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.497	µg/L	EPA 525.2m	-88	-88			
2017/18-3	000NONPJ	srgt matrix spike, rec	3/19/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	99	%	EPA 525.2m	-88	-88	76	128	
2017/18-3	000NONPJ	srgt matrix spike dup	3/19/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.362	µg/L	EPA 525.2m	-88	-88			GN
2017/18-3	000NONPJ	srgt matrix spike dup, rec	3/19/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	72	%	EPA 525.2m	-88	-88	76	128	GN
2017/18-3	Lab	srgt method blank	3/19/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.531	µg/L	EPA 525.2m	-88	-88			
2017/18-3	Lab	srgt method blank, rec	3/19/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	106	%	EPA 525.2m	-88	-88	76	128	
2017/18-3	Lab	srgt LCS	3/19/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.572	µg/L	EPA 525.2m	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-3	Lab	srgt LCS, rec	3/19/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	114	%	EPA 525.2m	-88	-88	76	128	
2017/18-3	Lab	srgt method blank	3/21/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.483	µg/L	EPA 525.2m	-88	-88			
2017/18-3	Lab	srgt method blank, rec	3/21/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	97	%	EPA 525.2m	-88	-88	76	128	
2017/18-3	Lab	srgt LCS	3/21/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.478	µg/L	EPA 525.2m	-88	-88			
2017/18-3	Lab	srgt LCS, rec	3/21/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	96	%	EPA 525.2m	-88	-88	76	128	
2017/18-3	Lab	srgt method blank	3/22/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.03	µg/L	EPA 525.2	-88	-88			
2017/18-3	Lab	srgt method blank, rec	3/22/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	101	%	EPA 525.2	-88	-88	70	130	
2017/18-3	Lab	srgt LCS	3/22/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.86	µg/L	EPA 525.2	-88	-88			
2017/18-3	Lab	srgt LCS, rec	3/22/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	97	%	EPA 525.2	-88	-88	70	130	
2017/18-3	Lab	srgt LCS dup	3/22/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.01	µg/L	EPA 525.2	-88	-88			
2017/18-3	Lab	srgt LCS dup, rec	3/22/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	100	%	EPA 525.2	-88	-88	70	130	
2017/18-3	ME-CC	srgt environ	3/19/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	1.94	µg/L	EPA 525.2m	-88	-88			
2017/18-3	ME-CC	srgt environ, rec	3/19/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	78	%	EPA 525.2m	-88	-88	76	128	
2017/18-3	ME-CC	srgt environ	3/22/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	28.5	µg/L	EPA 525.2	-88	-88			
2017/18-3	ME-CC	srgt environ, rec	3/22/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	114	%	EPA 525.2	-88	-88	70	130	
2017/18-3	ME-SCR	srgt environ	3/19/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	2.19	µg/L	EPA 525.2m	-88	-88			
2017/18-3	ME-SCR	srgt environ, rec	3/19/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	87	%	EPA 525.2m	-88	-88	76	128	
2017/18-3	ME-SCR	srgt environ	3/22/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	26.5	µg/L	EPA 525.2	-88	-88			
2017/18-3	ME-SCR	srgt environ, rec	3/22/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	106	%	EPA 525.2	-88	-88	70	130	
2017/18-3	ME-VR2	srgt environ	3/19/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	2.16	µg/L	EPA 525.2m	-88	-88			
2017/18-3	ME-VR2	srgt environ, rec	3/19/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	86	%	EPA 525.2m	-88	-88	76	128	
2017/18-3	ME-VR2	srgt environ	3/22/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	27.7	µg/L	EPA 525.2	-88	-88			
2017/18-3	ME-VR2	srgt environ, rec	3/22/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	111	%	EPA 525.2	-88	-88	70	130	
2017/18-3	MO-CAM	srgt environ	3/19/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	1.99	µg/L	EPA 525.2m	-88	-88			
2017/18-3	MO-CAM	srgt environ, rec	3/19/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	80	%	EPA 525.2m	-88	-88	76	128	
2017/18-3	MO-CAM	srgt environ	3/22/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	26.5	µg/L	EPA 525.2	-88	-88			
2017/18-3	MO-CAM	srgt environ, rec	3/22/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	106	%	EPA 525.2	-88	-88	70	130	
2017/18-3	MO-FIL	srgt environ	3/19/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	2.07	µg/L	EPA 525.2m	-88	-88			
2017/18-3	MO-FIL	srgt environ, rec	3/19/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	83	%	EPA 525.2m	-88	-88	76	128	
2017/18-3	MO-FIL	srgt environ	3/22/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	27.1	µg/L	EPA 525.2	-88	-88			
2017/18-3	MO-FIL	srgt environ, rec	3/22/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	108	%	EPA 525.2	-88	-88	70	130	
2017/18-3	MO-HUE	srgt environ	3/21/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	2.38	µg/L	EPA 525.2m	-88	-88			
2017/18-3	MO-HUE	srgt environ, rec	3/21/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	95	%	EPA 525.2m	-88	-88	76	128	
2017/18-3	MO-HUE	srgt environ	3/22/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	31.5	µg/L	EPA 525.2	-88	-88			
2017/18-3	MO-HUE	srgt environ, rec	3/22/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	126	%	EPA 525.2	-88	-88	70	130	
2017/18-3	MO-MEI	srgt environ	3/21/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	1.9	µg/L	EPA 525.2m	-88	-88			
2017/18-3	MO-MEI	srgt environ, rec	3/21/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	76	%	EPA 525.2m	-88	-88	76	128	
2017/18-3	MO-MEI	srgt environ	3/22/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	27	µg/L	EPA 525.2	-88	-88			
2017/18-3	MO-MEI	srgt environ, rec	3/22/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	108	%	EPA 525.2	-88	-88	70	130	
2017/18-3	MO-MPK	srgt matrix spike	3/21/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	2.01	µg/L	EPA 525.2m	-88	-88			
2017/18-3	MO-MPK	srgt matrix spike, rec	3/21/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	80	%	EPA 525.2m	-88	-88	76	128	
2017/18-3	MO-MPK	srgt matrix spike dup	3/21/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	2.24	µg/L	EPA 525.2m	-88	-88			
2017/18-3	MO-MPK	srgt matrix spike dup, rec	3/21/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	90	%	EPA 525.2m	-88	-88	76	128	
2017/18-3	MO-MPK	srgt environ	3/21/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	2.13	µg/L	EPA 525.2m	-88	-88			
2017/18-3	MO-MPK	srgt environ, rec	3/21/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	85	%	EPA 525.2m	-88	-88	76	128	
2017/18-3	MO-MPK	srgt environ	3/22/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	27.4	µg/L	EPA 525.2	-88	-88			
2017/18-3	MO-MPK	srgt environ, rec	3/22/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	109	%	EPA 525.2	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-3	MO-OJA	srgt environ	3/21/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	1.92	µg/L	EPA 525.2m	-88	-88			
2017/18-3	MO-OJA	srgt environ, rec	3/21/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	77	%	EPA 525.2m	-88	-88	76	128	
2017/18-3	MO-OJA	srgt environ	3/22/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	27.4	µg/L	EPA 525.2	-88	-88			
2017/18-3	MO-OJA	srgt environ, rec	3/22/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	110	%	EPA 525.2	-88	-88	70	130	
2017/18-3	MO-OXN	srgt environ	3/21/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	2.24	µg/L	EPA 525.2m	-88	-88			
2017/18-3	MO-OXN	srgt environ, rec	3/21/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	89	%	EPA 525.2m	-88	-88	76	128	
2017/18-3	MO-OXN	srgt environ	3/22/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	27.1	µg/L	EPA 525.2	-88	-88			
2017/18-3	MO-OXN	srgt environ, rec	3/22/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	108	%	EPA 525.2	-88	-88	70	130	
2017/18-3	MO-SIM	srgt environ	3/19/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	2.12	µg/L	EPA 525.2m	-88	-88			
2017/18-3	MO-SIM	srgt environ, rec	3/19/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	85	%	EPA 525.2m	-88	-88	76	128	
2017/18-3	MO-SIM	srgt environ	3/22/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	27.9	µg/L	EPA 525.2	-88	-88			
2017/18-3	MO-SIM	srgt environ, rec	3/22/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	112	%	EPA 525.2	-88	-88	70	130	
2017/18-3	MO-SPA	srgt environ	3/21/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	1.8	µg/L	EPA 525.2m	-88	-88			GN
2017/18-3	MO-SPA	srgt environ, rec	3/21/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	72	%	EPA 525.2m	-88	-88	76	128	GN
2017/18-3	MO-SPA	srgt environ	3/22/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	27.7	µg/L	EPA 525.2	-88	-88			
2017/18-3	MO-SPA	srgt environ, rec	3/22/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	111	%	EPA 525.2	-88	-88	70	130	
2017/18-3	MO-THO	srgt environ	3/21/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	2.01	µg/L	EPA 525.2m	-88	-88			
2017/18-3	MO-THO	srgt environ, rec	3/21/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	81	%	EPA 525.2m	-88	-88	76	128	
2017/18-3	MO-THO	srgt environ	3/22/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	28.3	µg/L	EPA 525.2	-88	-88			
2017/18-3	MO-THO	srgt environ, rec	3/22/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	113	%	EPA 525.2	-88	-88	70	130	
2017/18-3	MO-VEN	srgt environ	3/19/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	2.06	µg/L	EPA 525.2m	-88	-88			
2017/18-3	MO-VEN	srgt environ, rec	3/19/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	82	%	EPA 525.2m	-88	-88	76	128	
2017/18-3	MO-VEN	srgt environ	3/22/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	27.3	µg/L	EPA 525.2	-88	-88			
2017/18-3	MO-VEN	srgt environ, rec	3/22/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	109	%	EPA 525.2	-88	-88	70	130	
2017/18-3	Lab	method blank	3/22/2018	Organic	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1			
2017/18-3	Lab	LCS	3/22/2018	Organic	1,4-Dichlorobenzene	n/a	=	17.5	µg/L	EPA 625	0.55	1			
2017/18-3	Lab	LCS, rec	3/22/2018	Organic	1,4-Dichlorobenzene	n/a	=	70	%	EPA 625	-88	-88	20	124	
2017/18-3	Lab	LCS dup	3/22/2018	Organic	1,4-Dichlorobenzene	n/a	=	18.3	µg/L	EPA 625	0.55	1			
2017/18-3	Lab	LCS dup, rec	3/22/2018	Organic	1,4-Dichlorobenzene	n/a	=	73	%	EPA 625	-88	-88	20	124	
2017/18-3	Lab	LCS, RPD	3/22/2018	Organic	1,4-Dichlorobenzene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2017/18-3	Lab	method blank	3/27/2018	Organic	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-3	Lab	method blank	3/23/2018	Organic	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1			
2017/18-3	Lab	srgt method blank	3/22/2018	Organic	2,4,6-Tribromophenol	n/a	=	25.9	µg/L	EPA 625	-88	-88			
2017/18-3	Lab	srgt method blank, rec	3/22/2018	Organic	2,4,6-Tribromophenol	n/a	=	52	%	EPA 625	-88	-88	25	102	
2017/18-3	Lab	srgt LCS	3/22/2018	Organic	2,4,6-Tribromophenol	n/a	=	32.8	µg/L	EPA 625	-88	-88			
2017/18-3	Lab	srgt LCS, rec	3/22/2018	Organic	2,4,6-Tribromophenol	n/a	=	66	%	EPA 625	-88	-88	25	102	
2017/18-3	Lab	srgt LCS dup	3/22/2018	Organic	2,4,6-Tribromophenol	n/a	=	34.4	µg/L	EPA 625	-88	-88			
2017/18-3	Lab	srgt LCS dup, rec	3/22/2018	Organic	2,4,6-Tribromophenol	n/a	=	69	%	EPA 625	-88	-88	25	102	
2017/18-3	Lab	srgt method blank	3/23/2018	Organic	2,4,6-Tribromophenol	n/a	=	3.97	µg/L	EPA 8270C	-88	-88			
2017/18-3	Lab	srgt method blank, rec	3/23/2018	Organic	2,4,6-Tribromophenol	n/a	=	40	%	EPA 8270C	-88	-88	26	117	
2017/18-3	Lab	srgt LCS	3/23/2018	Organic	2,4,6-Tribromophenol	n/a	=	9.74	µg/L	EPA 8270C	-88	-88			
2017/18-3	Lab	srgt LCS, rec	3/23/2018	Organic	2,4,6-Tribromophenol	n/a	=	97	%	EPA 8270C	-88	-88	26	117	
2017/18-3	Lab	srgt LCS dup	3/23/2018	Organic	2,4,6-Tribromophenol	n/a	=	6.21	µg/L	EPA 8270C	-88	-88			
2017/18-3	Lab	srgt LCS dup, rec	3/23/2018	Organic	2,4,6-Tribromophenol	n/a	=	62	%	EPA 8270C	-88	-88	26	117	
2017/18-3	ME-CC	srgt environ	3/22/2018	Organic	2,4,6-Tribromophenol	n/a	=	32.2	µg/L	EPA 625	-88	-88			
2017/18-3	ME-CC	srgt environ, rec	3/22/2018	Organic	2,4,6-Tribromophenol	n/a	=	64	%	EPA 625	-88	-88	25	102	
2017/18-3	ME-CC	srgt environ	3/23/2018	Organic	2,4,6-Tribromophenol	n/a	=	5.14	µg/L	EPA 8270C	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-3	ME-CC	srgt environ, rec	3/23/2018	Organic	2,4,6-Tribromophenol	n/a	=	51	%	EPA 8270C	-88	-88	26	117	
2017/18-3	ME-SCR	srgt environ	3/22/2018	Organic	2,4,6-Tribromophenol	n/a	=	78.3	µg/L	EPA 625	-88	-88			
2017/18-3	ME-SCR	srgt environ, rec	3/22/2018	Organic	2,4,6-Tribromophenol	n/a	=	63	%	EPA 625	-88	-88	25	102	
2017/18-3	ME-SCR	srgt environ	3/23/2018	Organic	2,4,6-Tribromophenol	n/a	=	5.6	µg/L	EPA 8270C	-88	-88			
2017/18-3	ME-SCR	srgt environ, rec	3/23/2018	Organic	2,4,6-Tribromophenol	n/a	=	56	%	EPA 8270C	-88	-88	26	117	
2017/18-3	ME-VR2	srgt environ	3/22/2018	Organic	2,4,6-Tribromophenol	n/a	=	31.2	µg/L	EPA 625	-88	-88			
2017/18-3	ME-VR2	srgt environ, rec	3/22/2018	Organic	2,4,6-Tribromophenol	n/a	=	62	%	EPA 625	-88	-88	25	102	
2017/18-3	ME-VR2	srgt environ	3/23/2018	Organic	2,4,6-Tribromophenol	n/a	=	6.24	µg/L	EPA 8270C	-88	-88			
2017/18-3	ME-VR2	srgt environ, rec	3/23/2018	Organic	2,4,6-Tribromophenol	n/a	=	62	%	EPA 8270C	-88	-88	26	117	
2017/18-3	MO-CAM	srgt environ	3/22/2018	Organic	2,4,6-Tribromophenol	n/a	=	33.2	µg/L	EPA 625	-88	-88			
2017/18-3	MO-CAM	srgt environ, rec	3/22/2018	Organic	2,4,6-Tribromophenol	n/a	=	66	%	EPA 625	-88	-88	25	102	
2017/18-3	MO-CAM	srgt environ	3/23/2018	Organic	2,4,6-Tribromophenol	n/a	=	6.45	µg/L	EPA 8270C	-88	-88			
2017/18-3	MO-CAM	srgt environ, rec	3/23/2018	Organic	2,4,6-Tribromophenol	n/a	=	64	%	EPA 8270C	-88	-88	26	117	
2017/18-3	MO-FIL	srgt environ	3/22/2018	Organic	2,4,6-Tribromophenol	n/a	=	38.5	µg/L	EPA 625	-88	-88			
2017/18-3	MO-FIL	srgt environ, rec	3/22/2018	Organic	2,4,6-Tribromophenol	n/a	=	77	%	EPA 625	-88	-88	25	102	
2017/18-3	MO-FIL	srgt environ	3/23/2018	Organic	2,4,6-Tribromophenol	n/a	=	7.49	µg/L	EPA 8270C	-88	-88			
2017/18-3	MO-FIL	srgt environ, rec	3/23/2018	Organic	2,4,6-Tribromophenol	n/a	=	75	%	EPA 8270C	-88	-88	26	117	
2017/18-3	MO-HUE	srgt environ	3/22/2018	Organic	2,4,6-Tribromophenol	n/a	=	36.7	µg/L	EPA 625	-88	-88			
2017/18-3	MO-HUE	srgt environ, rec	3/22/2018	Organic	2,4,6-Tribromophenol	n/a	=	73	%	EPA 625	-88	-88	25	102	
2017/18-3	MO-HUE	srgt environ	3/23/2018	Organic	2,4,6-Tribromophenol	n/a	=	3.29	µg/L	EPA 8270C	-88	-88			
2017/18-3	MO-HUE	srgt environ, rec	3/23/2018	Organic	2,4,6-Tribromophenol	n/a	=	33	%	EPA 8270C	-88	-88	26	117	
2017/18-3	MO-MEI	srgt environ	3/22/2018	Organic	2,4,6-Tribromophenol	n/a	=	37.6	µg/L	EPA 625	-88	-88			
2017/18-3	MO-MEI	srgt environ, rec	3/22/2018	Organic	2,4,6-Tribromophenol	n/a	=	75	%	EPA 625	-88	-88	25	102	
2017/18-3	MO-MEI	srgt environ	3/23/2018	Organic	2,4,6-Tribromophenol	n/a	=	2.66	µg/L	EPA 8270C	-88	-88			
2017/18-3	MO-MEI	srgt environ, rec	3/23/2018	Organic	2,4,6-Tribromophenol	n/a	=	27	%	EPA 8270C	-88	-88	26	117	
2017/18-3	MO-MPK	srgt environ	3/22/2018	Organic	2,4,6-Tribromophenol	n/a	=	33.2	µg/L	EPA 625	-88	-88			
2017/18-3	MO-MPK	srgt environ, rec	3/22/2018	Organic	2,4,6-Tribromophenol	n/a	=	66	%	EPA 625	-88	-88	25	102	
2017/18-3	MO-MPK	srgt environ	3/23/2018	Organic	2,4,6-Tribromophenol	n/a	=	4.1	µg/L	EPA 8270C	-88	-88			
2017/18-3	MO-MPK	srgt environ, rec	3/23/2018	Organic	2,4,6-Tribromophenol	n/a	=	41	%	EPA 8270C	-88	-88	26	117	
2017/18-3	MO-OJA	srgt environ	3/22/2018	Organic	2,4,6-Tribromophenol	n/a	=	36.4	µg/L	EPA 625	-88	-88			
2017/18-3	MO-OJA	srgt environ, rec	3/22/2018	Organic	2,4,6-Tribromophenol	n/a	=	73	%	EPA 625	-88	-88	25	102	
2017/18-3	MO-OJA	srgt environ	3/23/2018	Organic	2,4,6-Tribromophenol	n/a	=	3.46	µg/L	EPA 8270C	-88	-88			
2017/18-3	MO-OJA	srgt environ, rec	3/23/2018	Organic	2,4,6-Tribromophenol	n/a	=	35	%	EPA 8270C	-88	-88	26	117	
2017/18-3	MO-OXN	srgt environ	3/22/2018	Organic	2,4,6-Tribromophenol	n/a	=	34.7	µg/L	EPA 625	-88	-88			
2017/18-3	MO-OXN	srgt environ, rec	3/22/2018	Organic	2,4,6-Tribromophenol	n/a	=	69	%	EPA 625	-88	-88	25	102	
2017/18-3	MO-OXN	srgt environ	3/23/2018	Organic	2,4,6-Tribromophenol	n/a	=	1.41	µg/L	EPA 8270C	-88	-88			GN
2017/18-3	MO-OXN	srgt environ, rec	3/23/2018	Organic	2,4,6-Tribromophenol	n/a	=	14	%	EPA 8270C	-88	-88	26	117	GN
2017/18-3	MO-SIM	srgt environ	3/22/2018	Organic	2,4,6-Tribromophenol	n/a	=	34.1	µg/L	EPA 625	-88	-88			
2017/18-3	MO-SIM	srgt environ, rec	3/22/2018	Organic	2,4,6-Tribromophenol	n/a	=	68	%	EPA 625	-88	-88	25	102	
2017/18-3	MO-SIM	srgt environ	3/23/2018	Organic	2,4,6-Tribromophenol	n/a	=	5.87	µg/L	EPA 8270C	-88	-88			
2017/18-3	MO-SIM	srgt environ, rec	3/23/2018	Organic	2,4,6-Tribromophenol	n/a	=	59	%	EPA 8270C	-88	-88	26	117	
2017/18-3	MO-SPA	srgt environ	3/22/2018	Organic	2,4,6-Tribromophenol	n/a	=	36.9	µg/L	EPA 625	-88	-88			
2017/18-3	MO-SPA	srgt environ, rec	3/22/2018	Organic	2,4,6-Tribromophenol	n/a	=	74	%	EPA 625	-88	-88	25	102	
2017/18-3	MO-SPA	srgt environ	3/23/2018	Organic	2,4,6-Tribromophenol	n/a	=	3.1	µg/L	EPA 8270C	-88	-88			
2017/18-3	MO-SPA	srgt environ, rec	3/23/2018	Organic	2,4,6-Tribromophenol	n/a	=	31	%	EPA 8270C	-88	-88	26	117	
2017/18-3	MO-THO	srgt environ	3/22/2018	Organic	2,4,6-Tribromophenol	n/a	=	35.5	µg/L	EPA 625	-88	-88			
2017/18-3	MO-THO	srgt environ, rec	3/22/2018	Organic	2,4,6-Tribromophenol	n/a	=	71	%	EPA 625	-88	-88	25	102	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-3	MO-THO	srgt environ	3/23/2018	Organic	2,4,6-Tribromophenol	n/a	=	9.62	µg/L	EPA 8270C	-88	-88			
2017/18-3	MO-THO	srgt environ, rec	3/23/2018	Organic	2,4,6-Tribromophenol	n/a	=	96	%	EPA 8270C	-88	-88	26	117	
2017/18-3	MO-VEN	srgt environ	3/22/2018	Organic	2,4,6-Tribromophenol	n/a	=	31.7	µg/L	EPA 625	-88	-88			
2017/18-3	MO-VEN	srgt environ, rec	3/22/2018	Organic	2,4,6-Tribromophenol	n/a	=	63	%	EPA 625	-88	-88	25	102	
2017/18-3	MO-VEN	srgt environ	3/23/2018	Organic	2,4,6-Tribromophenol	n/a	=	2.59	µg/L	EPA 8270C	-88	-88			
2017/18-3	MO-VEN	srgt environ, rec	3/23/2018	Organic	2,4,6-Tribromophenol	n/a	=	26	%	EPA 8270C	-88	-88	26	117	
2017/18-3	Lab	method blank	3/22/2018	Organic	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2017/18-3	Lab	LCS	3/22/2018	Organic	2,4,6-Trichlorophenol	n/a	=	16.7	µg/L	EPA 625	0.22	1			
2017/18-3	Lab	LCS, rec	3/22/2018	Organic	2,4,6-Trichlorophenol	n/a	=	67	%	EPA 625	-88	-88	37	144	
2017/18-3	Lab	LCS dup	3/22/2018	Organic	2,4,6-Trichlorophenol	n/a	=	19.2	µg/L	EPA 625	0.22	1			
2017/18-3	Lab	LCS dup, rec	3/22/2018	Organic	2,4,6-Trichlorophenol	n/a	=	77	%	EPA 625	-88	-88	37	144	
2017/18-3	Lab	LCS, RPD	3/22/2018	Organic	2,4,6-Trichlorophenol	n/a	=	14	%	EPA 625	-88	-88	0	30	
2017/18-3	Lab	method blank	3/23/2018	Organic	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1			
2017/18-3	Lab	LCS	3/23/2018	Organic	2,4,6-Trichlorophenol	n/a	=	10.2	µg/L	EPA 8270C	0.3	1			
2017/18-3	Lab	LCS, rec	3/23/2018	Organic	2,4,6-Trichlorophenol	n/a	=	102	%	EPA 8270C	-88	-88	30	115	
2017/18-3	Lab	LCS dup	3/23/2018	Organic	2,4,6-Trichlorophenol	n/a	=	7.77	µg/L	EPA 8270C	0.3	1			
2017/18-3	Lab	LCS dup, rec	3/23/2018	Organic	2,4,6-Trichlorophenol	n/a	=	78	%	EPA 8270C	-88	-88	30	115	
2017/18-3	Lab	LCS, RPD	3/23/2018	Organic	2,4,6-Trichlorophenol	n/a	=	27	%	EPA 8270C	-88	-88	0	30	
2017/18-3	Lab	method blank	3/22/2018	Organic	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2017/18-3	Lab	LCS	3/22/2018	Organic	2,4-Dichlorophenol	n/a	=	17.5	µg/L	EPA 625	0.26	1			
2017/18-3	Lab	LCS, rec	3/22/2018	Organic	2,4-Dichlorophenol	n/a	=	70	%	EPA 625	-88	-88	39	135	
2017/18-3	Lab	LCS dup	3/22/2018	Organic	2,4-Dichlorophenol	n/a	=	17.3	µg/L	EPA 625	0.26	1			
2017/18-3	Lab	LCS dup, rec	3/22/2018	Organic	2,4-Dichlorophenol	n/a	=	69	%	EPA 625	-88	-88	39	135	
2017/18-3	Lab	LCS, RPD	3/22/2018	Organic	2,4-Dichlorophenol	n/a	=	1	%	EPA 625	-88	-88	0	30	
2017/18-3	Lab	method blank	3/23/2018	Organic	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1			
2017/18-3	Lab	LCS	3/23/2018	Organic	2,4-Dichlorophenol	n/a	=	8.23	µg/L	EPA 8270C	0.51	1			
2017/18-3	Lab	LCS, rec	3/23/2018	Organic	2,4-Dichlorophenol	n/a	=	82	%	EPA 8270C	-88	-88	32	105	
2017/18-3	Lab	LCS dup	3/23/2018	Organic	2,4-Dichlorophenol	n/a	=	7.19	µg/L	EPA 8270C	0.51	1			
2017/18-3	Lab	LCS dup, rec	3/23/2018	Organic	2,4-Dichlorophenol	n/a	=	72	%	EPA 8270C	-88	-88	32	105	
2017/18-3	Lab	LCS, RPD	3/23/2018	Organic	2,4-Dichlorophenol	n/a	=	14	%	EPA 8270C	-88	-88	0	30	
2017/18-3	000NONPJ	srgt matrix spike	3/16/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	11.4	µg/L	EPA 515.3	-88	-88			
2017/18-3	000NONPJ	srgt matrix spike, rec	3/16/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	114	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	srgt matrix spike dup	3/16/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	11	µg/L	EPA 515.3	-88	-88			
2017/18-3	000NONPJ	srgt matrix spike dup, rec	3/16/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	110	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	srgt matrix spike	3/16/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.68	µg/L	EPA 515.3	-88	-88			
2017/18-3	000NONPJ	srgt matrix spike, rec	3/16/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	97	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	srgt matrix spike dup	3/16/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	8.84	µg/L	EPA 515.3	-88	-88			
2017/18-3	000NONPJ	srgt matrix spike dup, rec	3/16/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	88	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	srgt matrix spike	3/21/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.5	µg/L	EPA 515.3	-88	-88			
2017/18-3	000NONPJ	srgt matrix spike, rec	3/21/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	105	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	srgt matrix spike dup	3/21/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.6	µg/L	EPA 515.3	-88	-88			
2017/18-3	000NONPJ	srgt matrix spike dup, rec	3/21/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	106	%	EPA 515.3	-88	-88	70	130	
2017/18-3	Lab	srgt method blank	3/16/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	11.1	µg/L	EPA 515.3	-88	-88			
2017/18-3	Lab	srgt method blank, rec	3/16/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	111	%	EPA 515.3	-88	-88	70	130	
2017/18-3	Lab	srgt LCS	3/16/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	12.8	µg/L	EPA 515.3	-88	-88			
2017/18-3	Lab	srgt LCS, rec	3/16/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	128	%	EPA 515.3	-88	-88	70	130	
2017/18-3	Lab	srgt method blank	3/21/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.1	µg/L	EPA 515.3	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-3	Lab	srgt method blank, rec	3/21/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	101	%	EPA 515.3	-88	-88	70	130	
2017/18-3	Lab	srgt LCS	3/21/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.9	µg/L	EPA 515.3	-88	-88			
2017/18-3	Lab	srgt LCS, rec	3/21/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	99	%	EPA 515.3	-88	-88	70	130	
2017/18-3	ME-CC	srgt environ	3/17/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.94	µg/L	EPA 515.3	-88	-88			
2017/18-3	ME-CC	srgt environ, rec	3/17/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	99	%	EPA 515.3	-88	-88	70	130	
2017/18-3	ME-SCR	srgt environ	3/17/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.7	µg/L	EPA 515.3	-88	-88			
2017/18-3	ME-SCR	srgt environ, rec	3/17/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	107	%	EPA 515.3	-88	-88	70	130	
2017/18-3	ME-VR2	srgt environ	3/17/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.4	µg/L	EPA 515.3	-88	-88			
2017/18-3	ME-VR2	srgt environ, rec	3/17/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	104	%	EPA 515.3	-88	-88	70	130	
2017/18-3	MO-CAM	srgt environ	3/17/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.8	µg/L	EPA 515.3	-88	-88			
2017/18-3	MO-CAM	srgt environ, rec	3/17/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	98	%	EPA 515.3	-88	-88	70	130	
2017/18-3	MO-FIL	srgt environ	3/17/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.86	µg/L	EPA 515.3	-88	-88			
2017/18-3	MO-FIL	srgt environ, rec	3/17/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	99	%	EPA 515.3	-88	-88	70	130	
2017/18-3	MO-HUE	srgt environ	3/17/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.8	µg/L	EPA 515.3	-88	-88			
2017/18-3	MO-HUE	srgt environ, rec	3/17/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	108	%	EPA 515.3	-88	-88	70	130	
2017/18-3	MO-MEI	srgt environ	3/21/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.34	µg/L	EPA 515.3	-88	-88			
2017/18-3	MO-MEI	srgt environ, rec	3/21/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	93	%	EPA 515.3	-88	-88	70	130	
2017/18-3	MO-MPK	srgt environ	3/17/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.95	µg/L	EPA 515.3	-88	-88			
2017/18-3	MO-MPK	srgt environ, rec	3/17/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	99	%	EPA 515.3	-88	-88	70	130	
2017/18-3	MO-OJA	srgt environ	3/22/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.71	µg/L	EPA 515.3	-88	-88			
2017/18-3	MO-OJA	srgt environ, rec	3/22/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	97	%	EPA 515.3	-88	-88	70	130	
2017/18-3	MO-OXN	srgt environ	3/17/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.3	µg/L	EPA 515.3	-88	-88			
2017/18-3	MO-OXN	srgt environ, rec	3/17/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	103	%	EPA 515.3	-88	-88	70	130	
2017/18-3	MO-SIM	srgt environ	3/17/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.6	µg/L	EPA 515.3	-88	-88			
2017/18-3	MO-SIM	srgt environ, rec	3/17/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	106	%	EPA 515.3	-88	-88	70	130	
2017/18-3	MO-SPA	srgt environ	3/21/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.29	µg/L	EPA 515.3	-88	-88			
2017/18-3	MO-SPA	srgt environ, rec	3/21/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	93	%	EPA 515.3	-88	-88	70	130	
2017/18-3	MO-THO	srgt environ	3/17/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.3	µg/L	EPA 515.3	-88	-88			
2017/18-3	MO-THO	srgt environ, rec	3/17/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	103	%	EPA 515.3	-88	-88	70	130	
2017/18-3	MO-VEN	srgt environ	3/17/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.1	µg/L	EPA 515.3	-88	-88			
2017/18-3	MO-VEN	srgt environ, rec	3/17/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	101	%	EPA 515.3	-88	-88	70	130	
2017/18-3	Lab	method blank	3/22/2018	Organic	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1			
2017/18-3	Lab	LCS	3/22/2018	Organic	2,4-Dimethylphenol	n/a	=	15.4	µg/L	EPA 625	0.3	1			
2017/18-3	Lab	LCS, rec	3/22/2018	Organic	2,4-Dimethylphenol	n/a	=	62	%	EPA 625	-88	-88	32	119	
2017/18-3	Lab	LCS dup	3/22/2018	Organic	2,4-Dimethylphenol	n/a	=	10.2	µg/L	EPA 625	0.3	1			
2017/18-3	Lab	LCS dup, rec	3/22/2018	Organic	2,4-Dimethylphenol	n/a	=	41	%	EPA 625	-88	-88	32	119	
2017/18-3	Lab	LCS, RPD	3/22/2018	Organic	2,4-Dimethylphenol	n/a	=	41	%	EPA 625	-88	-88	0	30	IL
2017/18-3	Lab	method blank	3/23/2018	Organic	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2			
2017/18-3	Lab	LCS	3/23/2018	Organic	2,4-Dimethylphenol	n/a	=	4.86	µg/L	EPA 8270C	1	2			
2017/18-3	Lab	LCS, rec	3/23/2018	Organic	2,4-Dimethylphenol	n/a	=	49	%	EPA 8270C	-88	-88	31	97	
2017/18-3	Lab	LCS dup	3/23/2018	Organic	2,4-Dimethylphenol	n/a	=	5.88	µg/L	EPA 8270C	1	2			
2017/18-3	Lab	LCS dup, rec	3/23/2018	Organic	2,4-Dimethylphenol	n/a	=	59	%	EPA 8270C	-88	-88	31	97	
2017/18-3	Lab	LCS, RPD	3/23/2018	Organic	2,4-Dimethylphenol	n/a	=	19	%	EPA 8270C	-88	-88	0	30	
2017/18-3	Lab	method blank	3/22/2018	Organic	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10			
2017/18-3	Lab	LCS	3/22/2018	Organic	2,4-Dinitrophenol	n/a	=	13.3	µg/L	EPA 625	1.6	10			
2017/18-3	Lab	LCS, rec	3/22/2018	Organic	2,4-Dinitrophenol	n/a	=	53	%	EPA 625	-88	-88	0.1	191	
2017/18-3	Lab	LCS dup	3/22/2018	Organic	2,4-Dinitrophenol	n/a	=	13.9	µg/L	EPA 625	1.6	10			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-3	Lab	LCS dup, rec	3/22/2018	Organic	2,4-Dinitrophenol	n/a	=	55	%	EPA 625	-88	-88	0.1	191	
2017/18-3	Lab	LCS, RPD	3/22/2018	Organic	2,4-Dinitrophenol	n/a	=	4	%	EPA 625	-88	-88	0	30	
2017/18-3	Lab	method blank	3/23/2018	Organic	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2			
2017/18-3	Lab	LCS	3/23/2018	Organic	2,4-Dinitrophenol	n/a	=	9.68	µg/L	EPA 8270C	1	2			
2017/18-3	Lab	LCS, rec	3/23/2018	Organic	2,4-Dinitrophenol	n/a	=	97	%	EPA 8270C	-88	-88	7	155	
2017/18-3	Lab	LCS dup	3/23/2018	Organic	2,4-Dinitrophenol	n/a	=	4.42	µg/L	EPA 8270C	1	2			
2017/18-3	Lab	LCS dup, rec	3/23/2018	Organic	2,4-Dinitrophenol	n/a	=	44	%	EPA 8270C	-88	-88	7	155	
2017/18-3	Lab	LCS, RPD	3/23/2018	Organic	2,4-Dinitrophenol	n/a	=	75	%	EPA 8270C	-88	-88	0	30	IL
2017/18-3	Lab	method blank	3/22/2018	Organic	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2017/18-3	Lab	LCS	3/22/2018	Organic	2,4-Dinitrotoluene	n/a	=	18.4	µg/L	EPA 625	0.18	1			
2017/18-3	Lab	LCS, rec	3/22/2018	Organic	2,4-Dinitrotoluene	n/a	=	74	%	EPA 625	-88	-88	39	139	
2017/18-3	Lab	LCS dup	3/22/2018	Organic	2,4-Dinitrotoluene	n/a	=	18.8	µg/L	EPA 625	0.18	1			
2017/18-3	Lab	LCS dup, rec	3/22/2018	Organic	2,4-Dinitrotoluene	n/a	=	75	%	EPA 625	-88	-88	39	139	
2017/18-3	Lab	LCS, RPD	3/22/2018	Organic	2,4-Dinitrotoluene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2017/18-3	Lab	method blank	3/22/2018	Organic	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2017/18-3	Lab	LCS	3/22/2018	Organic	2,6-Dinitrotoluene	n/a	=	15.5	µg/L	EPA 625	0.27	1			
2017/18-3	Lab	LCS, rec	3/22/2018	Organic	2,6-Dinitrotoluene	n/a	=	62	%	EPA 625	-88	-88	50	158	
2017/18-3	Lab	LCS dup	3/22/2018	Organic	2,6-Dinitrotoluene	n/a	=	18.6	µg/L	EPA 625	0.27	1			
2017/18-3	Lab	LCS dup, rec	3/22/2018	Organic	2,6-Dinitrotoluene	n/a	=	74	%	EPA 625	-88	-88	50	158	
2017/18-3	Lab	LCS, RPD	3/22/2018	Organic	2,6-Dinitrotoluene	n/a	=	18	%	EPA 625	-88	-88	0	30	
2017/18-3	Lab	LCS	3/13/2018	Organic	2-Chloroethyl vinyl ether	n/a	=	57.9	µg/L	EPA 624	0.28	1			
2017/18-3	Lab	LCS, rec	3/13/2018	Organic	2-Chloroethyl vinyl ether	n/a	=	116	%	EPA 624	-88	-88	0.1	305	
2017/18-3	Lab	LCS dup	3/13/2018	Organic	2-Chloroethyl vinyl ether	n/a	=	56.2	µg/L	EPA 624	0.28	1			
2017/18-3	Lab	LCS dup, rec	3/13/2018	Organic	2-Chloroethyl vinyl ether	n/a	=	112	%	EPA 624	-88	-88	0.1	305	
2017/18-3	Lab	LCS, RPD	3/13/2018	Organic	2-Chloroethyl vinyl ether	n/a	=	3	%	EPA 624	-88	-88	0	25	
2017/18-3	Lab	method blank	3/13/2018	Organic	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1			
2017/18-3	ME-CC	field duplicate	3/13/2018	Organic	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1			
2017/18-3	MO-MPK	matrix spike	3/13/2018	Organic	2-Chloroethyl vinyl ether	n/a	=	50.7	µg/L	EPA 624	0.28	1			
2017/18-3	MO-MPK	matrix spike, rec	3/13/2018	Organic	2-Chloroethyl vinyl ether	n/a	=	101	%	EPA 624	-88	-88	0.1	305	
2017/18-3	MO-MPK	matrix spike dup	3/13/2018	Organic	2-Chloroethyl vinyl ether	n/a	=	51.4	µg/L	EPA 624	0.28	1			
2017/18-3	MO-MPK	matrix spike dup, rec	3/13/2018	Organic	2-Chloroethyl vinyl ether	n/a	=	103	%	EPA 624	-88	-88	0.1	305	
2017/18-3	MO-MPK	matrix spike, RPD	3/13/2018	Organic	2-Chloroethyl vinyl ether	n/a	=	1	%	EPA 624	-88	-88	0	25	
2017/18-3	Lab	method blank	3/22/2018	Organic	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1			
2017/18-3	Lab	LCS	3/22/2018	Organic	2-Chloronaphthalene	n/a	=	17.6	µg/L	EPA 625	0.45	1			
2017/18-3	Lab	LCS, rec	3/22/2018	Organic	2-Chloronaphthalene	n/a	=	70	%	EPA 625	-88	-88	60	118	
2017/18-3	Lab	LCS dup	3/22/2018	Organic	2-Chloronaphthalene	n/a	=	20.5	µg/L	EPA 625	0.45	1			
2017/18-3	Lab	LCS dup, rec	3/22/2018	Organic	2-Chloronaphthalene	n/a	=	82	%	EPA 625	-88	-88	60	118	
2017/18-3	Lab	LCS, RPD	3/22/2018	Organic	2-Chloronaphthalene	n/a	=	15	%	EPA 625	-88	-88	0	30	
2017/18-3	Lab	method blank	3/22/2018	Organic	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1			
2017/18-3	Lab	LCS	3/22/2018	Organic	2-Chlorophenol	n/a	=	16.2	µg/L	EPA 625	0.28	1			
2017/18-3	Lab	LCS, rec	3/22/2018	Organic	2-Chlorophenol	n/a	=	65	%	EPA 625	-88	-88	23	134	
2017/18-3	Lab	LCS dup	3/22/2018	Organic	2-Chlorophenol	n/a	=	17	µg/L	EPA 625	0.28	1			
2017/18-3	Lab	LCS dup, rec	3/22/2018	Organic	2-Chlorophenol	n/a	=	68	%	EPA 625	-88	-88	23	134	
2017/18-3	Lab	LCS, RPD	3/22/2018	Organic	2-Chlorophenol	n/a	=	5	%	EPA 625	-88	-88	0	30	
2017/18-3	Lab	method blank	3/23/2018	Organic	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1			
2017/18-3	Lab	LCS	3/23/2018	Organic	2-Chlorophenol	n/a	=	6.85	µg/L	EPA 8270C	0.65	1			
2017/18-3	Lab	LCS, rec	3/23/2018	Organic	2-Chlorophenol	n/a	=	69	%	EPA 8270C	-88	-88	27	90	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-3	Lab	LCS dup	3/23/2018	Organic	2-Chlorophenol	n/a	=	5.36	µg/L	EPA 8270C	0.65	1			
2017/18-3	Lab	LCS dup, rec	3/23/2018	Organic	2-Chlorophenol	n/a	=	54	%	EPA 8270C	-88	-88	27	90	
2017/18-3	Lab	LCS, RPD	3/23/2018	Organic	2-Chlorophenol	n/a	=	24	%	EPA 8270C	-88	-88	0	30	
2017/18-3	Lab	srgt method blank	3/22/2018	Organic	2-Fluorobiphenyl	n/a	=	22.2	µg/L	EPA 625	-88	-88			
2017/18-3	Lab	srgt method blank, rec	3/22/2018	Organic	2-Fluorobiphenyl	n/a	=	89	%	EPA 625	-88	-88	22	107	
2017/18-3	Lab	srgt LCS	3/22/2018	Organic	2-Fluorobiphenyl	n/a	=	18.4	µg/L	EPA 625	-88	-88			
2017/18-3	Lab	srgt LCS, rec	3/22/2018	Organic	2-Fluorobiphenyl	n/a	=	74	%	EPA 625	-88	-88	22	107	
2017/18-3	Lab	srgt LCS dup	3/22/2018	Organic	2-Fluorobiphenyl	n/a	=	22	µg/L	EPA 625	-88	-88			
2017/18-3	Lab	srgt LCS dup, rec	3/22/2018	Organic	2-Fluorobiphenyl	n/a	=	88	%	EPA 625	-88	-88	22	107	
2017/18-3	Lab	srgt method blank	3/27/2018	Organic	2-Fluorobiphenyl	n/a	=	2.49	µg/L	EPA 8270C	-88	-88			GN
2017/18-3	Lab	srgt method blank, rec	3/27/2018	Organic	2-Fluorobiphenyl	n/a	=	50	%	EPA 8270C	-88	-88	51	139	GN
2017/18-3	Lab	srgt LCS	3/27/2018	Organic	2-Fluorobiphenyl	n/a	=	3.25	µg/L	EPA 8270C	-88	-88			
2017/18-3	Lab	srgt LCS, rec	3/27/2018	Organic	2-Fluorobiphenyl	n/a	=	65	%	EPA 8270C	-88	-88	51	139	
2017/18-3	Lab	srgt LCS dup	3/27/2018	Organic	2-Fluorobiphenyl	n/a	=	2.82	µg/L	EPA 8270C	-88	-88			
2017/18-3	Lab	srgt LCS dup, rec	3/27/2018	Organic	2-Fluorobiphenyl	n/a	=	56	%	EPA 8270C	-88	-88	51	139	
2017/18-3	ME-CC	srgt environ	3/22/2018	Organic	2-Fluorobiphenyl	n/a	=	19.9	µg/L	EPA 625	-88	-88			
2017/18-3	ME-CC	srgt environ, rec	3/22/2018	Organic	2-Fluorobiphenyl	n/a	=	80	%	EPA 625	-88	-88	22	107	
2017/18-3	ME-CC	srgt environ	3/27/2018	Organic	2-Fluorobiphenyl	n/a	=	2.38	µg/L	EPA 8270C	-88	-88			GN
2017/18-3	ME-CC	srgt environ, rec	3/27/2018	Organic	2-Fluorobiphenyl	n/a	=	48	%	EPA 8270C	-88	-88	51	139	GN
2017/18-3	ME-SCR	srgt environ	3/22/2018	Organic	2-Fluorobiphenyl	n/a	=	50.4	µg/L	EPA 625	-88	-88			
2017/18-3	ME-SCR	srgt environ, rec	3/22/2018	Organic	2-Fluorobiphenyl	n/a	=	81	%	EPA 625	-88	-88	22	107	
2017/18-3	ME-SCR	srgt environ	3/27/2018	Organic	2-Fluorobiphenyl	n/a	=	2.75	µg/L	EPA 8270C	-88	-88			
2017/18-3	ME-SCR	srgt environ, rec	3/27/2018	Organic	2-Fluorobiphenyl	n/a	=	55	%	EPA 8270C	-88	-88	51	139	
2017/18-3	ME-VR2	srgt environ	3/22/2018	Organic	2-Fluorobiphenyl	n/a	=	19.1	µg/L	EPA 625	-88	-88			
2017/18-3	ME-VR2	srgt environ, rec	3/22/2018	Organic	2-Fluorobiphenyl	n/a	=	77	%	EPA 625	-88	-88	22	107	
2017/18-3	ME-VR2	srgt environ	3/27/2018	Organic	2-Fluorobiphenyl	n/a	=	2.9	µg/L	EPA 8270C	-88	-88			
2017/18-3	ME-VR2	srgt environ, rec	3/27/2018	Organic	2-Fluorobiphenyl	n/a	=	58	%	EPA 8270C	-88	-88	51	139	
2017/18-3	MO-CAM	srgt environ	3/22/2018	Organic	2-Fluorobiphenyl	n/a	=	16.7	µg/L	EPA 625	-88	-88			
2017/18-3	MO-CAM	srgt environ, rec	3/22/2018	Organic	2-Fluorobiphenyl	n/a	=	67	%	EPA 625	-88	-88	22	107	
2017/18-3	MO-CAM	srgt environ	3/27/2018	Organic	2-Fluorobiphenyl	n/a	=	2.91	µg/L	EPA 8270C	-88	-88			
2017/18-3	MO-CAM	srgt environ, rec	3/27/2018	Organic	2-Fluorobiphenyl	n/a	=	58	%	EPA 8270C	-88	-88	51	139	
2017/18-3	MO-FIL	srgt environ	3/22/2018	Organic	2-Fluorobiphenyl	n/a	=	18.6	µg/L	EPA 625	-88	-88			
2017/18-3	MO-FIL	srgt environ, rec	3/22/2018	Organic	2-Fluorobiphenyl	n/a	=	75	%	EPA 625	-88	-88	22	107	
2017/18-3	MO-FIL	srgt environ	3/27/2018	Organic	2-Fluorobiphenyl	n/a	=	2.93	µg/L	EPA 8270C	-88	-88			
2017/18-3	MO-FIL	srgt environ, rec	3/27/2018	Organic	2-Fluorobiphenyl	n/a	=	59	%	EPA 8270C	-88	-88	51	139	
2017/18-3	MO-HUE	srgt environ	3/22/2018	Organic	2-Fluorobiphenyl	n/a	=	18.4	µg/L	EPA 625	-88	-88			
2017/18-3	MO-HUE	srgt environ, rec	3/22/2018	Organic	2-Fluorobiphenyl	n/a	=	74	%	EPA 625	-88	-88	22	107	
2017/18-3	MO-HUE	srgt environ	3/27/2018	Organic	2-Fluorobiphenyl	n/a	=	3.12	µg/L	EPA 8270C	-88	-88			
2017/18-3	MO-HUE	srgt environ, rec	3/27/2018	Organic	2-Fluorobiphenyl	n/a	=	62	%	EPA 8270C	-88	-88	51	139	
2017/18-3	MO-MEI	srgt environ	3/22/2018	Organic	2-Fluorobiphenyl	n/a	=	19.5	µg/L	EPA 625	-88	-88			
2017/18-3	MO-MEI	srgt environ, rec	3/22/2018	Organic	2-Fluorobiphenyl	n/a	=	78	%	EPA 625	-88	-88	22	107	
2017/18-3	MO-MEI	srgt environ	3/27/2018	Organic	2-Fluorobiphenyl	n/a	=	2.65	µg/L	EPA 8270C	-88	-88			
2017/18-3	MO-MEI	srgt environ, rec	3/27/2018	Organic	2-Fluorobiphenyl	n/a	=	53	%	EPA 8270C	-88	-88	51	139	
2017/18-3	MO-MPK	srgt environ	3/22/2018	Organic	2-Fluorobiphenyl	n/a	=	16.6	µg/L	EPA 625	-88	-88			
2017/18-3	MO-MPK	srgt environ, rec	3/22/2018	Organic	2-Fluorobiphenyl	n/a	=	66	%	EPA 625	-88	-88	22	107	
2017/18-3	MO-MPK	srgt environ	3/27/2018	Organic	2-Fluorobiphenyl	n/a	=	2.78	µg/L	EPA 8270C	-88	-88			
2017/18-3	MO-MPK	srgt environ, rec	3/27/2018	Organic	2-Fluorobiphenyl	n/a	=	56	%	EPA 8270C	-88	-88	51	139	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-3	MO-OJA	srgt environ	3/22/2018	Organic	2-Fluorobiphenyl	n/a	=	16.9	µg/L	EPA 625	-88	-88			
2017/18-3	MO-OJA	srgt environ, rec	3/22/2018	Organic	2-Fluorobiphenyl	n/a	=	68	%	EPA 625	-88	-88	22	107	
2017/18-3	MO-OJA	srgt environ	3/27/2018	Organic	2-Fluorobiphenyl	n/a	=	2.79	µg/L	EPA 8270C	-88	-88			
2017/18-3	MO-OJA	srgt environ, rec	3/27/2018	Organic	2-Fluorobiphenyl	n/a	=	56	%	EPA 8270C	-88	-88	51	139	
2017/18-3	MO-OXN	srgt environ	3/22/2018	Organic	2-Fluorobiphenyl	n/a	=	17.3	µg/L	EPA 625	-88	-88			
2017/18-3	MO-OXN	srgt environ, rec	3/22/2018	Organic	2-Fluorobiphenyl	n/a	=	69	%	EPA 625	-88	-88	22	107	
2017/18-3	MO-OXN	srgt environ	3/27/2018	Organic	2-Fluorobiphenyl	n/a	=	3	µg/L	EPA 8270C	-88	-88			
2017/18-3	MO-OXN	srgt environ, rec	3/27/2018	Organic	2-Fluorobiphenyl	n/a	=	60	%	EPA 8270C	-88	-88	51	139	
2017/18-3	MO-SIM	srgt environ	3/22/2018	Organic	2-Fluorobiphenyl	n/a	=	16.5	µg/L	EPA 625	-88	-88			
2017/18-3	MO-SIM	srgt environ, rec	3/22/2018	Organic	2-Fluorobiphenyl	n/a	=	66	%	EPA 625	-88	-88	22	107	
2017/18-3	MO-SIM	srgt environ	3/27/2018	Organic	2-Fluorobiphenyl	n/a	=	2.69	µg/L	EPA 8270C	-88	-88			
2017/18-3	MO-SIM	srgt environ, rec	3/27/2018	Organic	2-Fluorobiphenyl	n/a	=	54	%	EPA 8270C	-88	-88	51	139	
2017/18-3	MO-SPA	srgt environ	3/22/2018	Organic	2-Fluorobiphenyl	n/a	=	18.3	µg/L	EPA 625	-88	-88			
2017/18-3	MO-SPA	srgt environ, rec	3/22/2018	Organic	2-Fluorobiphenyl	n/a	=	73	%	EPA 625	-88	-88	22	107	
2017/18-3	MO-SPA	srgt environ	3/27/2018	Organic	2-Fluorobiphenyl	n/a	=	2.95	µg/L	EPA 8270C	-88	-88			
2017/18-3	MO-SPA	srgt environ, rec	3/27/2018	Organic	2-Fluorobiphenyl	n/a	=	59	%	EPA 8270C	-88	-88	51	139	
2017/18-3	MO-THO	srgt environ	3/22/2018	Organic	2-Fluorobiphenyl	n/a	=	18.8	µg/L	EPA 625	-88	-88			
2017/18-3	MO-THO	srgt environ, rec	3/22/2018	Organic	2-Fluorobiphenyl	n/a	=	75	%	EPA 625	-88	-88	22	107	
2017/18-3	MO-THO	srgt environ	3/27/2018	Organic	2-Fluorobiphenyl	n/a	=	2.79	µg/L	EPA 8270C	-88	-88			
2017/18-3	MO-THO	srgt environ, rec	3/27/2018	Organic	2-Fluorobiphenyl	n/a	=	56	%	EPA 8270C	-88	-88	51	139	
2017/18-3	MO-VEN	srgt environ	3/22/2018	Organic	2-Fluorobiphenyl	n/a	=	18.4	µg/L	EPA 625	-88	-88			
2017/18-3	MO-VEN	srgt environ, rec	3/22/2018	Organic	2-Fluorobiphenyl	n/a	=	73	%	EPA 625	-88	-88	22	107	
2017/18-3	MO-VEN	srgt environ	3/27/2018	Organic	2-Fluorobiphenyl	n/a	=	2.89	µg/L	EPA 8270C	-88	-88			
2017/18-3	MO-VEN	srgt environ, rec	3/27/2018	Organic	2-Fluorobiphenyl	n/a	=	58	%	EPA 8270C	-88	-88	51	139	
2017/18-3	Lab	srgt method blank	3/22/2018	Organic	2-Fluorophenol	n/a	=	29.1	µg/L	EPA 625	-88	-88			
2017/18-3	Lab	srgt method blank, rec	3/22/2018	Organic	2-Fluorophenol	n/a	=	58	%	EPA 625	-88	-88	3	74	
2017/18-3	Lab	srgt LCS	3/22/2018	Organic	2-Fluorophenol	n/a	=	23.1	µg/L	EPA 625	-88	-88			
2017/18-3	Lab	srgt LCS, rec	3/22/2018	Organic	2-Fluorophenol	n/a	=	46	%	EPA 625	-88	-88	3	74	
2017/18-3	Lab	srgt LCS dup	3/22/2018	Organic	2-Fluorophenol	n/a	=	26.3	µg/L	EPA 625	-88	-88			
2017/18-3	Lab	srgt LCS dup, rec	3/22/2018	Organic	2-Fluorophenol	n/a	=	53	%	EPA 625	-88	-88	3	74	
2017/18-3	Lab	srgt method blank	3/23/2018	Organic	2-Fluorophenol	n/a	=	2.8	µg/L	EPA 8270C	-88	-88			
2017/18-3	Lab	srgt method blank, rec	3/23/2018	Organic	2-Fluorophenol	n/a	=	28	%	EPA 8270C	-88	-88	11	62	
2017/18-3	Lab	srgt LCS	3/23/2018	Organic	2-Fluorophenol	n/a	=	3.42	µg/L	EPA 8270C	-88	-88			
2017/18-3	Lab	srgt LCS, rec	3/23/2018	Organic	2-Fluorophenol	n/a	=	34	%	EPA 8270C	-88	-88	11	62	
2017/18-3	Lab	srgt LCS dup	3/23/2018	Organic	2-Fluorophenol	n/a	=	3	µg/L	EPA 8270C	-88	-88			
2017/18-3	Lab	srgt LCS dup, rec	3/23/2018	Organic	2-Fluorophenol	n/a	=	30	%	EPA 8270C	-88	-88	11	62	
2017/18-3	ME-CC	srgt environ	3/22/2018	Organic	2-Fluorophenol	n/a	=	27.5	µg/L	EPA 625	-88	-88			
2017/18-3	ME-CC	srgt environ, rec	3/22/2018	Organic	2-Fluorophenol	n/a	=	55	%	EPA 625	-88	-88	3	74	
2017/18-3	ME-CC	srgt environ	3/23/2018	Organic	2-Fluorophenol	n/a	=	2.72	µg/L	EPA 8270C	-88	-88			
2017/18-3	ME-CC	srgt environ, rec	3/23/2018	Organic	2-Fluorophenol	n/a	=	27	%	EPA 8270C	-88	-88	11	62	
2017/18-3	ME-SCR	srgt environ	3/22/2018	Organic	2-Fluorophenol	n/a	=	70.1	µg/L	EPA 625	-88	-88			
2017/18-3	ME-SCR	srgt environ, rec	3/22/2018	Organic	2-Fluorophenol	n/a	=	56	%	EPA 625	-88	-88	3	74	
2017/18-3	ME-SCR	srgt environ	3/23/2018	Organic	2-Fluorophenol	n/a	=	2.85	µg/L	EPA 8270C	-88	-88			
2017/18-3	ME-SCR	srgt environ, rec	3/23/2018	Organic	2-Fluorophenol	n/a	=	29	%	EPA 8270C	-88	-88	11	62	
2017/18-3	ME-VR2	srgt environ	3/22/2018	Organic	2-Fluorophenol	n/a	=	25.6	µg/L	EPA 625	-88	-88			
2017/18-3	ME-VR2	srgt environ, rec	3/22/2018	Organic	2-Fluorophenol	n/a	=	51	%	EPA 625	-88	-88	3	74	
2017/18-3	ME-VR2	srgt environ	3/23/2018	Organic	2-Fluorophenol	n/a	=	2.9	µg/L	EPA 8270C	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-3	ME-VR2	srgt environ, rec	3/23/2018	Organic	2-Fluorophenol	n/a	=	29	%	EPA 8270C	-88	-88	11	62	
2017/18-3	MO-CAM	srgt environ	3/22/2018	Organic	2-Fluorophenol	n/a	=	23.7	µg/L	EPA 625	-88	-88			
2017/18-3	MO-CAM	srgt environ, rec	3/22/2018	Organic	2-Fluorophenol	n/a	=	47	%	EPA 625	-88	-88	3	74	
2017/18-3	MO-CAM	srgt environ	3/23/2018	Organic	2-Fluorophenol	n/a	=	2.12	µg/L	EPA 8270C	-88	-88			
2017/18-3	MO-CAM	srgt environ, rec	3/23/2018	Organic	2-Fluorophenol	n/a	=	21	%	EPA 8270C	-88	-88	11	62	
2017/18-3	MO-FIL	srgt environ	3/22/2018	Organic	2-Fluorophenol	n/a	=	23.4	µg/L	EPA 625	-88	-88			
2017/18-3	MO-FIL	srgt environ, rec	3/22/2018	Organic	2-Fluorophenol	n/a	=	47	%	EPA 625	-88	-88	3	74	
2017/18-3	MO-FIL	srgt environ	3/23/2018	Organic	2-Fluorophenol	n/a	=	3.04	µg/L	EPA 8270C	-88	-88			
2017/18-3	MO-FIL	srgt environ, rec	3/23/2018	Organic	2-Fluorophenol	n/a	=	30	%	EPA 8270C	-88	-88	11	62	
2017/18-3	MO-HUE	srgt environ	3/22/2018	Organic	2-Fluorophenol	n/a	=	24.9	µg/L	EPA 625	-88	-88			
2017/18-3	MO-HUE	srgt environ, rec	3/22/2018	Organic	2-Fluorophenol	n/a	=	50	%	EPA 625	-88	-88	3	74	
2017/18-3	MO-HUE	srgt environ	3/23/2018	Organic	2-Fluorophenol	n/a	=	2.52	µg/L	EPA 8270C	-88	-88			
2017/18-3	MO-HUE	srgt environ, rec	3/23/2018	Organic	2-Fluorophenol	n/a	=	25	%	EPA 8270C	-88	-88	11	62	
2017/18-3	MO-MEI	srgt environ	3/22/2018	Organic	2-Fluorophenol	n/a	=	23.5	µg/L	EPA 625	-88	-88			
2017/18-3	MO-MEI	srgt environ, rec	3/22/2018	Organic	2-Fluorophenol	n/a	=	47	%	EPA 625	-88	-88	3	74	
2017/18-3	MO-MEI	srgt environ	3/23/2018	Organic	2-Fluorophenol	n/a	=	2.2	µg/L	EPA 8270C	-88	-88			
2017/18-3	MO-MEI	srgt environ, rec	3/23/2018	Organic	2-Fluorophenol	n/a	=	22	%	EPA 8270C	-88	-88	11	62	
2017/18-3	MO-MPK	srgt environ	3/22/2018	Organic	2-Fluorophenol	n/a	=	22.3	µg/L	EPA 625	-88	-88			
2017/18-3	MO-MPK	srgt environ, rec	3/22/2018	Organic	2-Fluorophenol	n/a	=	45	%	EPA 625	-88	-88	3	74	
2017/18-3	MO-MPK	srgt environ	3/23/2018	Organic	2-Fluorophenol	n/a	=	1.86	µg/L	EPA 8270C	-88	-88			
2017/18-3	MO-MPK	srgt environ, rec	3/23/2018	Organic	2-Fluorophenol	n/a	=	19	%	EPA 8270C	-88	-88	11	62	
2017/18-3	MO-OJA	srgt environ	3/22/2018	Organic	2-Fluorophenol	n/a	=	22.4	µg/L	EPA 625	-88	-88			
2017/18-3	MO-OJA	srgt environ, rec	3/22/2018	Organic	2-Fluorophenol	n/a	=	45	%	EPA 625	-88	-88	3	74	
2017/18-3	MO-OJA	srgt environ	3/23/2018	Organic	2-Fluorophenol	n/a	=	2.27	µg/L	EPA 8270C	-88	-88			
2017/18-3	MO-OJA	srgt environ, rec	3/23/2018	Organic	2-Fluorophenol	n/a	=	23	%	EPA 8270C	-88	-88	11	62	
2017/18-3	MO-OXN	srgt environ	3/22/2018	Organic	2-Fluorophenol	n/a	=	23.1	µg/L	EPA 625	-88	-88			
2017/18-3	MO-OXN	srgt environ, rec	3/22/2018	Organic	2-Fluorophenol	n/a	=	46	%	EPA 625	-88	-88	3	74	
2017/18-3	MO-OXN	srgt environ	3/23/2018	Organic	2-Fluorophenol	n/a	=	1.52	µg/L	EPA 8270C	-88	-88			
2017/18-3	MO-OXN	srgt environ, rec	3/23/2018	Organic	2-Fluorophenol	n/a	=	15	%	EPA 8270C	-88	-88	11	62	
2017/18-3	MO-SIM	srgt environ	3/22/2018	Organic	2-Fluorophenol	n/a	=	22.5	µg/L	EPA 625	-88	-88			
2017/18-3	MO-SIM	srgt environ, rec	3/22/2018	Organic	2-Fluorophenol	n/a	=	45	%	EPA 625	-88	-88	3	74	
2017/18-3	MO-SIM	srgt environ	3/23/2018	Organic	2-Fluorophenol	n/a	=	1.99	µg/L	EPA 8270C	-88	-88			
2017/18-3	MO-SIM	srgt environ, rec	3/23/2018	Organic	2-Fluorophenol	n/a	=	20	%	EPA 8270C	-88	-88	11	62	
2017/18-3	MO-SPA	srgt environ	3/22/2018	Organic	2-Fluorophenol	n/a	=	24.2	µg/L	EPA 625	-88	-88			
2017/18-3	MO-SPA	srgt environ, rec	3/22/2018	Organic	2-Fluorophenol	n/a	=	48	%	EPA 625	-88	-88	3	74	
2017/18-3	MO-SPA	srgt environ	3/23/2018	Organic	2-Fluorophenol	n/a	=	1.54	µg/L	EPA 8270C	-88	-88			
2017/18-3	MO-SPA	srgt environ, rec	3/23/2018	Organic	2-Fluorophenol	n/a	=	15	%	EPA 8270C	-88	-88	11	62	
2017/18-3	MO-THO	srgt environ	3/22/2018	Organic	2-Fluorophenol	n/a	=	24.7	µg/L	EPA 625	-88	-88			
2017/18-3	MO-THO	srgt environ, rec	3/22/2018	Organic	2-Fluorophenol	n/a	=	49	%	EPA 625	-88	-88	3	74	
2017/18-3	MO-THO	srgt environ	3/23/2018	Organic	2-Fluorophenol	n/a	=	2.7	µg/L	EPA 8270C	-88	-88			
2017/18-3	MO-THO	srgt environ, rec	3/23/2018	Organic	2-Fluorophenol	n/a	=	27	%	EPA 8270C	-88	-88	11	62	
2017/18-3	MO-VEN	srgt environ	3/22/2018	Organic	2-Fluorophenol	n/a	=	23.5	µg/L	EPA 625	-88	-88			
2017/18-3	MO-VEN	srgt environ, rec	3/22/2018	Organic	2-Fluorophenol	n/a	=	47	%	EPA 625	-88	-88	3	74	
2017/18-3	MO-VEN	srgt environ	3/23/2018	Organic	2-Fluorophenol	n/a	=	1.74	µg/L	EPA 8270C	-88	-88			
2017/18-3	MO-VEN	srgt environ, rec	3/23/2018	Organic	2-Fluorophenol	n/a	=	17	%	EPA 8270C	-88	-88	11	62	
2017/18-3	Lab	method blank	3/27/2018	Organic	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-3	Lab	method blank	3/23/2018	Organic	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-3	Lab	method blank	3/22/2018	Organic	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2017/18-3	Lab	LCS	3/22/2018	Organic	2-Nitrophenol	n/a	=	17.7	µg/L	EPA 625	0.26	1			
2017/18-3	Lab	LCS, rec	3/22/2018	Organic	2-Nitrophenol	n/a	=	71	%	EPA 625	-88	-88	29	182	
2017/18-3	Lab	LCS dup	3/22/2018	Organic	2-Nitrophenol	n/a	=	18.1	µg/L	EPA 625	0.26	1			
2017/18-3	Lab	LCS dup, rec	3/22/2018	Organic	2-Nitrophenol	n/a	=	72	%	EPA 625	-88	-88	29	182	
2017/18-3	Lab	LCS, RPD	3/22/2018	Organic	2-Nitrophenol	n/a	=	2	%	EPA 625	-88	-88	0	30	
2017/18-3	Lab	method blank	3/23/2018	Organic	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1			
2017/18-3	Lab	LCS	3/23/2018	Organic	2-Nitrophenol	n/a	=	7.76	µg/L	EPA 8270C	0.71	1			
2017/18-3	Lab	LCS, rec	3/23/2018	Organic	2-Nitrophenol	n/a	=	78	%	EPA 8270C	-88	-88	33	103	
2017/18-3	Lab	LCS dup	3/23/2018	Organic	2-Nitrophenol	n/a	=	6.36	µg/L	EPA 8270C	0.71	1			
2017/18-3	Lab	LCS dup, rec	3/23/2018	Organic	2-Nitrophenol	n/a	=	64	%	EPA 8270C	-88	-88	33	103	
2017/18-3	Lab	LCS, RPD	3/23/2018	Organic	2-Nitrophenol	n/a	=	20	%	EPA 8270C	-88	-88	0	30	
2017/18-3	Lab	method blank	3/22/2018	Organic	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5			
2017/18-3	Lab	LCS	3/22/2018	Organic	3,3'-Dichlorobenzidine	n/a	=	15.8	µg/L	EPA 625	1.2	5			
2017/18-3	Lab	LCS, rec	3/22/2018	Organic	3,3'-Dichlorobenzidine	n/a	=	63	%	EPA 625	-88	-88	0.1	262	
2017/18-3	Lab	LCS dup	3/22/2018	Organic	3,3'-Dichlorobenzidine	n/a	=	12.2	µg/L	EPA 625	1.2	5			
2017/18-3	Lab	LCS dup, rec	3/22/2018	Organic	3,3'-Dichlorobenzidine	n/a	=	49	%	EPA 625	-88	-88	0.1	262	
2017/18-3	Lab	LCS, RPD	3/22/2018	Organic	3,3'-Dichlorobenzidine	n/a	=	25	%	EPA 625	-88	-88	0	30	
2017/18-3	Lab	method blank	3/23/2018	Organic	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1			
2017/18-3	Lab	method blank	3/22/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5			
2017/18-3	Lab	LCS	3/22/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	=	15.7	µg/L	EPA 625	1.7	5			
2017/18-3	Lab	LCS, rec	3/22/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	=	63	%	EPA 625	-88	-88	0.1	181	
2017/18-3	Lab	LCS dup	3/22/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	=	15.3	µg/L	EPA 625	1.7	5			
2017/18-3	Lab	LCS dup, rec	3/22/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	=	61	%	EPA 625	-88	-88	0.1	181	
2017/18-3	Lab	LCS, RPD	3/22/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	=	3	%	EPA 625	-88	-88	0	30	
2017/18-3	Lab	method blank	3/23/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1			
2017/18-3	Lab	LCS	3/23/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	=	9.61	µg/L	EPA 8270C	0.14	1			
2017/18-3	Lab	LCS, rec	3/23/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	=	96	%	EPA 8270C	-88	-88	33	118	
2017/18-3	Lab	LCS dup	3/23/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	=	4.33	µg/L	EPA 8270C	0.14	1			
2017/18-3	Lab	LCS dup, rec	3/23/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	=	43	%	EPA 8270C	-88	-88	33	118	
2017/18-3	Lab	LCS, RPD	3/23/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	=	76	%	EPA 8270C	-88	-88	0	30	IL
2017/18-3	Lab	srgt LCS	3/13/2018	Organic	4-Bromofluorobenzene	n/a	=	53.1	µg/L	EPA 624	-88	-88			
2017/18-3	Lab	srgt LCS, rec	3/13/2018	Organic	4-Bromofluorobenzene	n/a	=	106	%	EPA 624	-88	-88	88	108	
2017/18-3	Lab	srgt LCS dup	3/13/2018	Organic	4-Bromofluorobenzene	n/a	=	53.2	µg/L	EPA 624	-88	-88			
2017/18-3	Lab	srgt LCS dup, rec	3/13/2018	Organic	4-Bromofluorobenzene	n/a	=	106	%	EPA 624	-88	-88	88	108	
2017/18-3	Lab	srgt method blank	3/13/2018	Organic	4-Bromofluorobenzene	n/a	=	53	µg/L	EPA 624	-88	-88			
2017/18-3	Lab	srgt method blank, rec	3/13/2018	Organic	4-Bromofluorobenzene	n/a	=	106	%	EPA 624	-88	-88	88	108	
2017/18-3	Lab	srgt LCS	3/14/2018	Organic	4-Bromofluorobenzene	n/a	=	49	µg/L	EPA 8015D	-88	-88			
2017/18-3	Lab	srgt LCS, rec	3/14/2018	Organic	4-Bromofluorobenzene	n/a	=	98	%	EPA 8015D	-88	-88	72	124	
2017/18-3	Lab	srgt LCS dup	3/14/2018	Organic	4-Bromofluorobenzene	n/a	=	49.1	µg/L	EPA 8015D	-88	-88			
2017/18-3	Lab	srgt LCS dup, rec	3/14/2018	Organic	4-Bromofluorobenzene	n/a	=	98	%	EPA 8015D	-88	-88	72	124	
2017/18-3	Lab	srgt method blank	3/14/2018	Organic	4-Bromofluorobenzene	n/a	=	47.4	µg/L	EPA 8015D	-88	-88			
2017/18-3	Lab	srgt method blank, rec	3/14/2018	Organic	4-Bromofluorobenzene	n/a	=	95	%	EPA 8015D	-88	-88	72	124	
2017/18-3	Lab	srgt LCS	3/16/2018	Organic	4-Bromofluorobenzene	n/a	=	53.6	µg/L	EPA 8015D	-88	-88			
2017/18-3	Lab	srgt LCS, rec	3/16/2018	Organic	4-Bromofluorobenzene	n/a	=	107	%	EPA 8015D	-88	-88	72	124	
2017/18-3	Lab	srgt LCS dup	3/16/2018	Organic	4-Bromofluorobenzene	n/a	=	53.1	µg/L	EPA 8015D	-88	-88			
2017/18-3	Lab	srgt LCS dup, rec	3/16/2018	Organic	4-Bromofluorobenzene	n/a	=	106	%	EPA 8015D	-88	-88	72	124	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-3	Lab	srgt method blank	3/16/2018	Organic	4-Bromofluorobenzene	n/a	=	51.5	µg/L	EPA 8015D	-88	-88			
2017/18-3	Lab	srgt method blank, rec	3/16/2018	Organic	4-Bromofluorobenzene	n/a	=	103	%	EPA 8015D	-88	-88	72	124	
2017/18-3	ME-CC	srgt environ	3/13/2018	Organic	4-Bromofluorobenzene	n/a	=	53.4	µg/L	EPA 624	-88	-88			
2017/18-3	ME-CC	srgt environ, rec	3/13/2018	Organic	4-Bromofluorobenzene	n/a	=	107	%	EPA 624	-88	-88	88	108	
2017/18-3	ME-CC	srgt field duplicate	3/13/2018	Organic	4-Bromofluorobenzene	n/a	=	53.9	µg/L	EPA 624	-88	-88			
2017/18-3	ME-CC	srgt field duplicate, rec	3/13/2018	Organic	4-Bromofluorobenzene	n/a	=	108	%	EPA 624	-88	-88	88	108	
2017/18-3	ME-CC	srgt environ	3/16/2018	Organic	4-Bromofluorobenzene	n/a	=	53.2	µg/L	EPA 8015D	-88	-88			
2017/18-3	ME-CC	srgt environ, rec	3/16/2018	Organic	4-Bromofluorobenzene	n/a	=	106	%	EPA 8015D	-88	-88	72	124	
2017/18-3	ME-CC	srgt field duplicate	3/16/2018	Organic	4-Bromofluorobenzene	n/a	=	53.4	µg/L	EPA 8015D	-88	-88			
2017/18-3	ME-CC	srgt field duplicate, rec	3/16/2018	Organic	4-Bromofluorobenzene	n/a	=	107	%	EPA 8015D	-88	-88	72	124	
2017/18-3	ME-SCR	srgt environ	3/13/2018	Organic	4-Bromofluorobenzene	n/a	=	53	µg/L	EPA 624	-88	-88			
2017/18-3	ME-SCR	srgt environ, rec	3/13/2018	Organic	4-Bromofluorobenzene	n/a	=	106	%	EPA 624	-88	-88	88	108	
2017/18-3	ME-SCR	srgt environ	3/16/2018	Organic	4-Bromofluorobenzene	n/a	=	54.8	µg/L	EPA 8015D	-88	-88			
2017/18-3	ME-SCR	srgt environ, rec	3/16/2018	Organic	4-Bromofluorobenzene	n/a	=	110	%	EPA 8015D	-88	-88	72	124	
2017/18-3	ME-VR2	srgt environ	3/13/2018	Organic	4-Bromofluorobenzene	n/a	=	53	µg/L	EPA 624	-88	-88			
2017/18-3	ME-VR2	srgt environ, rec	3/13/2018	Organic	4-Bromofluorobenzene	n/a	=	106	%	EPA 624	-88	-88	88	108	
2017/18-3	ME-VR2	srgt environ	3/16/2018	Organic	4-Bromofluorobenzene	n/a	=	53.3	µg/L	EPA 8015D	-88	-88			
2017/18-3	ME-VR2	srgt environ, rec	3/16/2018	Organic	4-Bromofluorobenzene	n/a	=	107	%	EPA 8015D	-88	-88	72	124	
2017/18-3	MO-CAM	srgt environ	3/13/2018	Organic	4-Bromofluorobenzene	n/a	=	53.6	µg/L	EPA 624	-88	-88			
2017/18-3	MO-CAM	srgt environ, rec	3/13/2018	Organic	4-Bromofluorobenzene	n/a	=	107	%	EPA 624	-88	-88	88	108	
2017/18-3	MO-CAM	srgt environ	3/14/2018	Organic	4-Bromofluorobenzene	n/a	=	47.5	µg/L	EPA 8015D	-88	-88			
2017/18-3	MO-CAM	srgt environ, rec	3/14/2018	Organic	4-Bromofluorobenzene	n/a	=	95	%	EPA 8015D	-88	-88	72	124	
2017/18-3	MO-FIL	srgt environ	3/13/2018	Organic	4-Bromofluorobenzene	n/a	=	53.2	µg/L	EPA 624	-88	-88			
2017/18-3	MO-FIL	srgt environ, rec	3/13/2018	Organic	4-Bromofluorobenzene	n/a	=	106	%	EPA 624	-88	-88	88	108	
2017/18-3	MO-FIL	srgt environ	3/14/2018	Organic	4-Bromofluorobenzene	n/a	=	46.9	µg/L	EPA 8015D	-88	-88			
2017/18-3	MO-FIL	srgt environ, rec	3/14/2018	Organic	4-Bromofluorobenzene	n/a	=	94	%	EPA 8015D	-88	-88	72	124	
2017/18-3	MO-HUE	srgt environ	3/13/2018	Organic	4-Bromofluorobenzene	n/a	=	53.6	µg/L	EPA 624	-88	-88			
2017/18-3	MO-HUE	srgt environ, rec	3/13/2018	Organic	4-Bromofluorobenzene	n/a	=	107	%	EPA 624	-88	-88	88	108	
2017/18-3	MO-HUE	srgt environ	3/16/2018	Organic	4-Bromofluorobenzene	n/a	=	50.7	µg/L	EPA 8015D	-88	-88			
2017/18-3	MO-HUE	srgt environ, rec	3/16/2018	Organic	4-Bromofluorobenzene	n/a	=	101	%	EPA 8015D	-88	-88	72	124	
2017/18-3	MO-MEI	srgt environ	3/13/2018	Organic	4-Bromofluorobenzene	n/a	=	53.9	µg/L	EPA 624	-88	-88			
2017/18-3	MO-MEI	srgt environ, rec	3/13/2018	Organic	4-Bromofluorobenzene	n/a	=	108	%	EPA 624	-88	-88	88	108	
2017/18-3	MO-MEI	srgt environ	3/14/2018	Organic	4-Bromofluorobenzene	n/a	=	47.3	µg/L	EPA 8015D	-88	-88			
2017/18-3	MO-MEI	srgt environ, rec	3/14/2018	Organic	4-Bromofluorobenzene	n/a	=	95	%	EPA 8015D	-88	-88	72	124	
2017/18-3	MO-MPK	srgt environ	3/13/2018	Organic	4-Bromofluorobenzene	n/a	=	54.7	µg/L	EPA 624	-88	-88			GN
2017/18-3	MO-MPK	srgt environ, rec	3/13/2018	Organic	4-Bromofluorobenzene	n/a	=	109	%	EPA 624	-88	-88	88	108	GN
2017/18-3	MO-MPK	srgt matrix spike	3/13/2018	Organic	4-Bromofluorobenzene	n/a	=	54.4	µg/L	EPA 624	-88	-88			GN
2017/18-3	MO-MPK	srgt matrix spike, rec	3/13/2018	Organic	4-Bromofluorobenzene	n/a	=	109	%	EPA 624	-88	-88	88	108	GN
2017/18-3	MO-MPK	srgt matrix spike dup	3/13/2018	Organic	4-Bromofluorobenzene	n/a	=	54.4	µg/L	EPA 624	-88	-88			GN
2017/18-3	MO-MPK	srgt matrix spike dup, rec	3/13/2018	Organic	4-Bromofluorobenzene	n/a	=	109	%	EPA 624	-88	-88	88	108	GN
2017/18-3	MO-MPK	srgt environ	3/14/2018	Organic	4-Bromofluorobenzene	n/a	=	47.3	µg/L	EPA 8015D	-88	-88			
2017/18-3	MO-MPK	srgt environ, rec	3/14/2018	Organic	4-Bromofluorobenzene	n/a	=	95	%	EPA 8015D	-88	-88	72	124	
2017/18-3	MO-OJA	srgt environ	3/13/2018	Organic	4-Bromofluorobenzene	n/a	=	54	µg/L	EPA 624	-88	-88			
2017/18-3	MO-OJA	srgt environ, rec	3/13/2018	Organic	4-Bromofluorobenzene	n/a	=	108	%	EPA 624	-88	-88	88	108	
2017/18-3	MO-OJA	srgt environ	3/14/2018	Organic	4-Bromofluorobenzene	n/a	=	47.4	µg/L	EPA 8015D	-88	-88			
2017/18-3	MO-OJA	srgt environ, rec	3/14/2018	Organic	4-Bromofluorobenzene	n/a	=	95	%	EPA 8015D	-88	-88	72	124	
2017/18-3	MO-OXN	srgt environ	3/13/2018	Organic	4-Bromofluorobenzene	n/a	=	53.5	µg/L	EPA 624	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-3	MO-OXN	srgt environ, rec	3/13/2018	Organic	4-Bromofluorobenzene	n/a	=	107	%	EPA 624	-88	-88	88	108	
2017/18-3	MO-OXN	srgt environ	3/16/2018	Organic	4-Bromofluorobenzene	n/a	=	51.2	µg/L	EPA 8015D	-88	-88			
2017/18-3	MO-OXN	srgt environ, rec	3/16/2018	Organic	4-Bromofluorobenzene	n/a	=	102	%	EPA 8015D	-88	-88	72	124	
2017/18-3	MO-SIM	srgt environ	3/13/2018	Organic	4-Bromofluorobenzene	n/a	=	53.1	µg/L	EPA 624	-88	-88			
2017/18-3	MO-SIM	srgt environ, rec	3/13/2018	Organic	4-Bromofluorobenzene	n/a	=	106	%	EPA 624	-88	-88	88	108	
2017/18-3	MO-SIM	srgt environ	3/16/2018	Organic	4-Bromofluorobenzene	n/a	=	50	µg/L	EPA 8015D	-88	-88			
2017/18-3	MO-SIM	srgt environ, rec	3/16/2018	Organic	4-Bromofluorobenzene	n/a	=	100	%	EPA 8015D	-88	-88	72	124	
2017/18-3	MO-SPA	srgt environ	3/13/2018	Organic	4-Bromofluorobenzene	n/a	=	53.2	µg/L	EPA 624	-88	-88			
2017/18-3	MO-SPA	srgt environ, rec	3/13/2018	Organic	4-Bromofluorobenzene	n/a	=	106	%	EPA 624	-88	-88	88	108	
2017/18-3	MO-SPA	srgt environ	3/14/2018	Organic	4-Bromofluorobenzene	n/a	=	46.9	µg/L	EPA 8015D	-88	-88			
2017/18-3	MO-SPA	srgt environ, rec	3/14/2018	Organic	4-Bromofluorobenzene	n/a	=	94	%	EPA 8015D	-88	-88	72	124	
2017/18-3	MO-THO	srgt environ	3/13/2018	Organic	4-Bromofluorobenzene	n/a	=	52.9	µg/L	EPA 624	-88	-88			
2017/18-3	MO-THO	srgt environ, rec	3/13/2018	Organic	4-Bromofluorobenzene	n/a	=	106	%	EPA 624	-88	-88	88	108	
2017/18-3	MO-THO	srgt environ	3/16/2018	Organic	4-Bromofluorobenzene	n/a	=	51.1	µg/L	EPA 8015D	-88	-88			
2017/18-3	MO-THO	srgt environ, rec	3/16/2018	Organic	4-Bromofluorobenzene	n/a	=	102	%	EPA 8015D	-88	-88	72	124	
2017/18-3	MO-VEN	srgt environ	3/13/2018	Organic	4-Bromofluorobenzene	n/a	=	53.6	µg/L	EPA 624	-88	-88			
2017/18-3	MO-VEN	srgt environ, rec	3/13/2018	Organic	4-Bromofluorobenzene	n/a	=	107	%	EPA 624	-88	-88	88	108	
2017/18-3	MO-VEN	srgt environ	3/16/2018	Organic	4-Bromofluorobenzene	n/a	=	50.5	µg/L	EPA 8015D	-88	-88			
2017/18-3	MO-VEN	srgt environ, rec	3/16/2018	Organic	4-Bromofluorobenzene	n/a	=	101	%	EPA 8015D	-88	-88	72	124	
2017/18-3	Lab	method blank	3/22/2018	Organic	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2017/18-3	Lab	LCS	3/22/2018	Organic	4-Bromophenyl phenyl ether	n/a	=	17.6	µg/L	EPA 625	0.36	1			
2017/18-3	Lab	LCS, rec	3/22/2018	Organic	4-Bromophenyl phenyl ether	n/a	=	71	%	EPA 625	-88	-88	53	127	
2017/18-3	Lab	LCS dup	3/22/2018	Organic	4-Bromophenyl phenyl ether	n/a	=	18.5	µg/L	EPA 625	0.36	1			
2017/18-3	Lab	LCS dup, rec	3/22/2018	Organic	4-Bromophenyl phenyl ether	n/a	=	74	%	EPA 625	-88	-88	53	127	
2017/18-3	Lab	LCS, RPD	3/22/2018	Organic	4-Bromophenyl phenyl ether	n/a	=	5	%	EPA 625	-88	-88	0	30	
2017/18-3	Lab	method blank	3/22/2018	Organic	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1			
2017/18-3	Lab	LCS	3/22/2018	Organic	4-Chloro-3-methylphenol	n/a	=	15.4	µg/L	EPA 625	0.23	1			
2017/18-3	Lab	LCS, rec	3/22/2018	Organic	4-Chloro-3-methylphenol	n/a	=	61	%	EPA 625	-88	-88	22	147	
2017/18-3	Lab	LCS dup	3/22/2018	Organic	4-Chloro-3-methylphenol	n/a	=	17.1	µg/L	EPA 625	0.23	1			
2017/18-3	Lab	LCS dup, rec	3/22/2018	Organic	4-Chloro-3-methylphenol	n/a	=	68	%	EPA 625	-88	-88	22	147	
2017/18-3	Lab	LCS, RPD	3/22/2018	Organic	4-Chloro-3-methylphenol	n/a	=	11	%	EPA 625	-88	-88	0	30	
2017/18-3	Lab	method blank	3/23/2018	Organic	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1			
2017/18-3	Lab	LCS	3/23/2018	Organic	4-Chloro-3-methylphenol	n/a	=	8.74	µg/L	EPA 8270C	0.37	1			
2017/18-3	Lab	LCS, rec	3/23/2018	Organic	4-Chloro-3-methylphenol	n/a	=	87	%	EPA 8270C	-88	-88	29	108	
2017/18-3	Lab	LCS dup	3/23/2018	Organic	4-Chloro-3-methylphenol	n/a	=	6.5	µg/L	EPA 8270C	0.37	1			
2017/18-3	Lab	LCS dup, rec	3/23/2018	Organic	4-Chloro-3-methylphenol	n/a	=	65	%	EPA 8270C	-88	-88	29	108	
2017/18-3	Lab	LCS, RPD	3/23/2018	Organic	4-Chloro-3-methylphenol	n/a	=	29	%	EPA 8270C	-88	-88	0	30	
2017/18-3	Lab	method blank	3/22/2018	Organic	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1			
2017/18-3	Lab	LCS	3/22/2018	Organic	4-Chlorophenyl phenyl ether	n/a	=	18.3	µg/L	EPA 625	0.41	1			
2017/18-3	Lab	LCS, rec	3/22/2018	Organic	4-Chlorophenyl phenyl ether	n/a	=	73	%	EPA 625	-88	-88	25	158	
2017/18-3	Lab	LCS dup	3/22/2018	Organic	4-Chlorophenyl phenyl ether	n/a	=	19.2	µg/L	EPA 625	0.41	1			
2017/18-3	Lab	LCS dup, rec	3/22/2018	Organic	4-Chlorophenyl phenyl ether	n/a	=	77	%	EPA 625	-88	-88	25	158	
2017/18-3	Lab	LCS, RPD	3/22/2018	Organic	4-Chlorophenyl phenyl ether	n/a	=	5	%	EPA 625	-88	-88	0	30	
2017/18-3	Lab	method blank	3/22/2018	Organic	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5			
2017/18-3	Lab	LCS	3/22/2018	Organic	4-Nitrophenol	n/a	=	5.62	µg/L	EPA 625	0.45	5			
2017/18-3	Lab	LCS, rec	3/22/2018	Organic	4-Nitrophenol	n/a	=	22	%	EPA 625	-88	-88	0.1	132	
2017/18-3	Lab	LCS dup	3/22/2018	Organic	4-Nitrophenol	n/a	=	5.76	µg/L	EPA 625	0.45	5			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-3	Lab	LCS dup, rec	3/22/2018	Organic	4-Nitrophenol	n/a	=	23	%	EPA 625	-88	-88	0.1	132	
2017/18-3	Lab	LCS, RPD	3/22/2018	Organic	4-Nitrophenol	n/a	=	2	%	EPA 625	-88	-88	0	30	
2017/18-3	Lab	method blank	3/23/2018	Organic	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2			
2017/18-3	Lab	LCS	3/23/2018	Organic	4-Nitrophenol	n/a	=	3.96	µg/L	EPA 8270C	1	2			
2017/18-3	Lab	LCS, rec	3/23/2018	Organic	4-Nitrophenol	n/a	=	40	%	EPA 8270C	-88	-88	6	46	
2017/18-3	Lab	LCS dup	3/23/2018	Organic	4-Nitrophenol	n/a	=	2.06	µg/L	EPA 8270C	1	2			
2017/18-3	Lab	LCS dup, rec	3/23/2018	Organic	4-Nitrophenol	n/a	=	21	%	EPA 8270C	-88	-88	6	46	
2017/18-3	Lab	LCS, RPD	3/23/2018	Organic	4-Nitrophenol	n/a	=	63	%	EPA 8270C	-88	-88	0	30	IL
2017/18-3	Lab	method blank	3/22/2018	Organic	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2017/18-3	Lab	LCS	3/22/2018	Organic	Acenaphthene	n/a	=	19.7	µg/L	EPA 625	0.38	1			
2017/18-3	Lab	LCS, rec	3/22/2018	Organic	Acenaphthene	n/a	=	79	%	EPA 625	-88	-88	47	145	
2017/18-3	Lab	LCS dup	3/22/2018	Organic	Acenaphthene	n/a	=	20.7	µg/L	EPA 625	0.38	1			
2017/18-3	Lab	LCS dup, rec	3/22/2018	Organic	Acenaphthene	n/a	=	83	%	EPA 625	-88	-88	47	145	
2017/18-3	Lab	LCS, RPD	3/22/2018	Organic	Acenaphthene	n/a	=	5	%	EPA 625	-88	-88	0	30	
2017/18-3	Lab	method blank	3/27/2018	Organic	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-3	Lab	LCS	3/27/2018	Organic	Acenaphthene	n/a	=	8.22	µg/L	EPA 8270C	0.1	0.1			
2017/18-3	Lab	LCS, rec	3/27/2018	Organic	Acenaphthene	n/a	=	82	%	EPA 8270C	-88	-88	11	122	
2017/18-3	Lab	LCS dup	3/27/2018	Organic	Acenaphthene	n/a	=	7.38	µg/L	EPA 8270C	0.1	0.1			
2017/18-3	Lab	LCS dup, rec	3/27/2018	Organic	Acenaphthene	n/a	=	74	%	EPA 8270C	-88	-88	11	122	
2017/18-3	Lab	LCS, RPD	3/27/2018	Organic	Acenaphthene	n/a	=	11	%	EPA 8270C	-88	-88	0	30	
2017/18-3	Lab	method blank	3/22/2018	Organic	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1			
2017/18-3	Lab	LCS	3/22/2018	Organic	Acenaphthylene	n/a	=	18.6	µg/L	EPA 625	0.4	1			
2017/18-3	Lab	LCS, rec	3/22/2018	Organic	Acenaphthylene	n/a	=	74	%	EPA 625	-88	-88	33	145	
2017/18-3	Lab	LCS dup	3/22/2018	Organic	Acenaphthylene	n/a	=	22	µg/L	EPA 625	0.4	1			
2017/18-3	Lab	LCS dup, rec	3/22/2018	Organic	Acenaphthylene	n/a	=	88	%	EPA 625	-88	-88	33	145	
2017/18-3	Lab	LCS, RPD	3/22/2018	Organic	Acenaphthylene	n/a	=	17	%	EPA 625	-88	-88	0	30	
2017/18-3	Lab	method blank	3/27/2018	Organic	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-3	Lab	LCS	3/27/2018	Organic	Acenaphthylene	n/a	=	8.22	µg/L	EPA 8270C	0.1	0.1			
2017/18-3	Lab	LCS, rec	3/27/2018	Organic	Acenaphthylene	n/a	=	82	%	EPA 8270C	-88	-88	4	135	
2017/18-3	Lab	LCS dup	3/27/2018	Organic	Acenaphthylene	n/a	=	6.95	µg/L	EPA 8270C	0.1	0.1			
2017/18-3	Lab	LCS dup, rec	3/27/2018	Organic	Acenaphthylene	n/a	=	69	%	EPA 8270C	-88	-88	4	135	
2017/18-3	Lab	LCS, RPD	3/27/2018	Organic	Acenaphthylene	n/a	=	17	%	EPA 8270C	-88	-88	0	30	
2017/18-3	Lab	method blank	3/22/2018	Organic	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1			
2017/18-3	Lab	LCS	3/22/2018	Organic	Anthracene	n/a	=	19.7	µg/L	EPA 625	0.34	1			
2017/18-3	Lab	LCS, rec	3/22/2018	Organic	Anthracene	n/a	=	79	%	EPA 625	-88	-88	27	133	
2017/18-3	Lab	LCS dup	3/22/2018	Organic	Anthracene	n/a	=	22	µg/L	EPA 625	0.34	1			
2017/18-3	Lab	LCS dup, rec	3/22/2018	Organic	Anthracene	n/a	=	88	%	EPA 625	-88	-88	27	133	
2017/18-3	Lab	LCS, RPD	3/22/2018	Organic	Anthracene	n/a	=	11	%	EPA 625	-88	-88	0	30	
2017/18-3	Lab	method blank	3/27/2018	Organic	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-3	Lab	LCS	3/27/2018	Organic	Anthracene	n/a	=	8.08	µg/L	EPA 8270C	0.1	0.1			
2017/18-3	Lab	LCS, rec	3/27/2018	Organic	Anthracene	n/a	=	81	%	EPA 8270C	-88	-88	22	127	
2017/18-3	Lab	LCS dup	3/27/2018	Organic	Anthracene	n/a	=	7.37	µg/L	EPA 8270C	0.1	0.1			
2017/18-3	Lab	LCS dup, rec	3/27/2018	Organic	Anthracene	n/a	=	74	%	EPA 8270C	-88	-88	22	127	
2017/18-3	Lab	LCS, RPD	3/27/2018	Organic	Anthracene	n/a	=	9	%	EPA 8270C	-88	-88	0	30	
2017/18-3	Lab	method blank	3/22/2018	Organic	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2017/18-3	Lab	LCS	3/22/2018	Organic	Benz(a)anthracene	n/a	=	16.7	µg/L	EPA 625	0.19	1			
2017/18-3	Lab	LCS, rec	3/22/2018	Organic	Benz(a)anthracene	n/a	=	67	%	EPA 625	-88	-88	33	143	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-3	Lab	LCS dup	3/22/2018	Organic	Benz(a)anthracene	n/a	=	13.9	µg/L	EPA 625	0.19	1			
2017/18-3	Lab	LCS dup, rec	3/22/2018	Organic	Benz(a)anthracene	n/a	=	55	%	EPA 625	-88	-88	33	143	
2017/18-3	Lab	LCS, RPD	3/22/2018	Organic	Benz(a)anthracene	n/a	=	18	%	EPA 625	-88	-88	0	30	
2017/18-3	Lab	method blank	3/27/2018	Organic	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-3	Lab	LCS	3/27/2018	Organic	Benz(a)anthracene	n/a	=	8.44	µg/L	EPA 8270C	0.1	0.1			
2017/18-3	Lab	LCS, rec	3/27/2018	Organic	Benz(a)anthracene	n/a	=	84	%	EPA 8270C	-88	-88	17	131	
2017/18-3	Lab	LCS dup	3/27/2018	Organic	Benz(a)anthracene	n/a	=	8.72	µg/L	EPA 8270C	0.1	0.1			
2017/18-3	Lab	LCS dup, rec	3/27/2018	Organic	Benz(a)anthracene	n/a	=	87	%	EPA 8270C	-88	-88	17	131	
2017/18-3	Lab	LCS, RPD	3/27/2018	Organic	Benz(a)anthracene	n/a	=	3	%	EPA 8270C	-88	-88	0	30	
2017/18-3	Lab	method blank	3/22/2018	Organic	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10			
2017/18-3	Lab	method blank	3/22/2018	Organic	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1			
2017/18-3	Lab	LCS	3/22/2018	Organic	Benzo(a)pyrene	n/a	=	15.7	µg/L	EPA 625	0.13	1			
2017/18-3	Lab	LCS, rec	3/22/2018	Organic	Benzo(a)pyrene	n/a	=	63	%	EPA 625	-88	-88	17	163	
2017/18-3	Lab	LCS dup	3/22/2018	Organic	Benzo(a)pyrene	n/a	=	15.6	µg/L	EPA 625	0.13	1			
2017/18-3	Lab	LCS dup, rec	3/22/2018	Organic	Benzo(a)pyrene	n/a	=	63	%	EPA 625	-88	-88	17	163	
2017/18-3	Lab	LCS, RPD	3/22/2018	Organic	Benzo(a)pyrene	n/a	=	0.6	%	EPA 625	-88	-88	0	30	
2017/18-3	Lab	method blank	3/22/2018	Organic	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1			
2017/18-3	Lab	LCS	3/22/2018	Organic	Benzo(a)pyrene	n/a	=	5.02	µg/L	EPA 525.2	0.07	0.1			
2017/18-3	Lab	LCS, rec	3/22/2018	Organic	Benzo(a)pyrene	n/a	=	100	%	EPA 525.2	-88	-88	60	130	
2017/18-3	Lab	LCS dup	3/22/2018	Organic	Benzo(a)pyrene	n/a	=	4.12	µg/L	EPA 525.2	0.07	0.1			
2017/18-3	Lab	LCS dup, rec	3/22/2018	Organic	Benzo(a)pyrene	n/a	=	82	%	EPA 525.2	-88	-88	60	130	
2017/18-3	Lab	LCS, RPD	3/22/2018	Organic	Benzo(a)pyrene	n/a	=	20	%	EPA 525.2	-88	-88	0	30	
2017/18-3	Lab	method blank	3/27/2018	Organic	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-3	Lab	LCS	3/27/2018	Organic	Benzo(a)pyrene	n/a	=	7.41	µg/L	EPA 8270C	0.1	0.1			
2017/18-3	Lab	LCS, rec	3/27/2018	Organic	Benzo(a)pyrene	n/a	=	74	%	EPA 8270C	-88	-88	12	131	
2017/18-3	Lab	LCS dup	3/27/2018	Organic	Benzo(a)pyrene	n/a	=	6.97	µg/L	EPA 8270C	0.1	0.1			
2017/18-3	Lab	LCS dup, rec	3/27/2018	Organic	Benzo(a)pyrene	n/a	=	70	%	EPA 8270C	-88	-88	12	131	
2017/18-3	Lab	LCS, RPD	3/27/2018	Organic	Benzo(a)pyrene	n/a	=	6	%	EPA 8270C	-88	-88	0	30	
2017/18-3	Lab	method blank	3/22/2018	Organic	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1			
2017/18-3	Lab	LCS	3/22/2018	Organic	Benzo(b)fluoranthene	n/a	=	16.8	µg/L	EPA 625	0.14	1			
2017/18-3	Lab	LCS, rec	3/22/2018	Organic	Benzo(b)fluoranthene	n/a	=	67	%	EPA 625	-88	-88	24	159	
2017/18-3	Lab	LCS dup	3/22/2018	Organic	Benzo(b)fluoranthene	n/a	=	17.6	µg/L	EPA 625	0.14	1			
2017/18-3	Lab	LCS dup, rec	3/22/2018	Organic	Benzo(b)fluoranthene	n/a	=	70	%	EPA 625	-88	-88	24	159	
2017/18-3	Lab	LCS, RPD	3/22/2018	Organic	Benzo(b)fluoranthene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2017/18-3	Lab	method blank	3/27/2018	Organic	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-3	Lab	LCS	3/27/2018	Organic	Benzo(b)fluoranthene	n/a	=	8.29	µg/L	EPA 8270C	0.1	0.1			
2017/18-3	Lab	LCS, rec	3/27/2018	Organic	Benzo(b)fluoranthene	n/a	=	83	%	EPA 8270C	-88	-88	19	129	
2017/18-3	Lab	LCS dup	3/27/2018	Organic	Benzo(b)fluoranthene	n/a	=	7.78	µg/L	EPA 8270C	0.1	0.1			
2017/18-3	Lab	LCS dup, rec	3/27/2018	Organic	Benzo(b)fluoranthene	n/a	=	78	%	EPA 8270C	-88	-88	19	129	
2017/18-3	Lab	LCS, RPD	3/27/2018	Organic	Benzo(b)fluoranthene	n/a	=	6	%	EPA 8270C	-88	-88	0	30	
2017/18-3	Lab	method blank	3/22/2018	Organic	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2			
2017/18-3	Lab	LCS	3/22/2018	Organic	Benzo(g,h,i)perylene	n/a	=	14.6	µg/L	EPA 625	0.1	2			
2017/18-3	Lab	LCS, rec	3/22/2018	Organic	Benzo(g,h,i)perylene	n/a	=	58	%	EPA 625	-88	-88	0.1	219	
2017/18-3	Lab	LCS dup	3/22/2018	Organic	Benzo(g,h,i)perylene	n/a	=	13.5	µg/L	EPA 625	0.1	2			
2017/18-3	Lab	LCS dup, rec	3/22/2018	Organic	Benzo(g,h,i)perylene	n/a	=	54	%	EPA 625	-88	-88	0.1	219	
2017/18-3	Lab	LCS, RPD	3/22/2018	Organic	Benzo(g,h,i)perylene	n/a	=	7	%	EPA 625	-88	-88	0	30	
2017/18-3	Lab	method blank	3/27/2018	Organic	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-3	Lab	LCS	3/27/2018	Organic	Benzo(g,h,i)perylene	n/a	=	12.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-3	Lab	LCS, rec	3/27/2018	Organic	Benzo(g,h,i)perylene	n/a	=	121	%	EPA 8270C	-88	-88	14	139	
2017/18-3	Lab	LCS dup	3/27/2018	Organic	Benzo(g,h,i)perylene	n/a	=	12.9	µg/L	EPA 8270C	0.1	0.1			
2017/18-3	Lab	LCS dup, rec	3/27/2018	Organic	Benzo(g,h,i)perylene	n/a	=	129	%	EPA 8270C	-88	-88	14	139	
2017/18-3	Lab	LCS, RPD	3/27/2018	Organic	Benzo(g,h,i)perylene	n/a	=	7	%	EPA 8270C	-88	-88	0	30	
2017/18-3	Lab	method blank	3/22/2018	Organic	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2017/18-3	Lab	LCS	3/22/2018	Organic	Benzo(k)fluoranthene	n/a	=	19.1	µg/L	EPA 625	0.22	1			
2017/18-3	Lab	LCS, rec	3/22/2018	Organic	Benzo(k)fluoranthene	n/a	=	76	%	EPA 625	-88	-88	11	162	
2017/18-3	Lab	LCS dup	3/22/2018	Organic	Benzo(k)fluoranthene	n/a	=	19.4	µg/L	EPA 625	0.22	1			
2017/18-3	Lab	LCS dup, rec	3/22/2018	Organic	Benzo(k)fluoranthene	n/a	=	77	%	EPA 625	-88	-88	11	162	
2017/18-3	Lab	LCS, RPD	3/22/2018	Organic	Benzo(k)fluoranthene	n/a	=	1	%	EPA 625	-88	-88	0	30	
2017/18-3	Lab	method blank	3/27/2018	Organic	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-3	Lab	LCS	3/27/2018	Organic	Benzo(k)fluoranthene	n/a	=	7.56	µg/L	EPA 8270C	0.1	0.1			
2017/18-3	Lab	LCS, rec	3/27/2018	Organic	Benzo(k)fluoranthene	n/a	=	76	%	EPA 8270C	-88	-88	22	127	
2017/18-3	Lab	LCS dup	3/27/2018	Organic	Benzo(k)fluoranthene	n/a	=	7.14	µg/L	EPA 8270C	0.1	0.1			
2017/18-3	Lab	LCS dup, rec	3/27/2018	Organic	Benzo(k)fluoranthene	n/a	=	71	%	EPA 8270C	-88	-88	22	127	
2017/18-3	Lab	LCS, RPD	3/27/2018	Organic	Benzo(k)fluoranthene	n/a	=	6	%	EPA 8270C	-88	-88	0	30	
2017/18-3	Lab	method blank	3/22/2018	Organic	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2017/18-3	Lab	LCS	3/22/2018	Organic	Bis(2-chloroethoxy)methane	n/a	=	17.4	µg/L	EPA 625	0.25	1			
2017/18-3	Lab	LCS, rec	3/22/2018	Organic	Bis(2-chloroethoxy)methane	n/a	=	69	%	EPA 625	-88	-88	33	184	
2017/18-3	Lab	LCS dup	3/22/2018	Organic	Bis(2-chloroethoxy)methane	n/a	=	17.4	µg/L	EPA 625	0.25	1			
2017/18-3	Lab	LCS dup, rec	3/22/2018	Organic	Bis(2-chloroethoxy)methane	n/a	=	70	%	EPA 625	-88	-88	33	184	
2017/18-3	Lab	LCS, RPD	3/22/2018	Organic	Bis(2-chloroethoxy)methane	n/a	=	0.2	%	EPA 625	-88	-88	0	30	
2017/18-3	Lab	method blank	3/22/2018	Organic	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2017/18-3	Lab	LCS	3/22/2018	Organic	Bis(2-chloroethyl)ether	n/a	=	18.1	µg/L	EPA 625	0.27	1			
2017/18-3	Lab	LCS, rec	3/22/2018	Organic	Bis(2-chloroethyl)ether	n/a	=	72	%	EPA 625	-88	-88	12	158	
2017/18-3	Lab	LCS dup	3/22/2018	Organic	Bis(2-chloroethyl)ether	n/a	=	18.8	µg/L	EPA 625	0.27	1			
2017/18-3	Lab	LCS dup, rec	3/22/2018	Organic	Bis(2-chloroethyl)ether	n/a	=	75	%	EPA 625	-88	-88	12	158	
2017/18-3	Lab	LCS, RPD	3/22/2018	Organic	Bis(2-chloroethyl)ether	n/a	=	4	%	EPA 625	-88	-88	0	30	
2017/18-3	Lab	method blank	3/22/2018	Organic	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2017/18-3	Lab	LCS	3/22/2018	Organic	Bis(2-chloroisopropyl)ether	n/a	=	17.6	µg/L	EPA 625	0.38	1			
2017/18-3	Lab	LCS, rec	3/22/2018	Organic	Bis(2-chloroisopropyl)ether	n/a	=	71	%	EPA 625	-88	-88	36	166	
2017/18-3	Lab	LCS dup	3/22/2018	Organic	Bis(2-chloroisopropyl)ether	n/a	=	17.9	µg/L	EPA 625	0.38	1			
2017/18-3	Lab	LCS dup, rec	3/22/2018	Organic	Bis(2-chloroisopropyl)ether	n/a	=	72	%	EPA 625	-88	-88	36	166	
2017/18-3	Lab	LCS, RPD	3/22/2018	Organic	Bis(2-chloroisopropyl)ether	n/a	=	2	%	EPA 625	-88	-88	0	30	
2017/18-3	Lab	method blank	3/22/2018	Organic	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5			
2017/18-3	Lab	LCS	3/22/2018	Organic	Bis(2-ethylhexyl)adipate	n/a	=	5.15	µg/L	EPA 525.2	0.1	5			
2017/18-3	Lab	LCS, rec	3/22/2018	Organic	Bis(2-ethylhexyl)adipate	n/a	=	103	%	EPA 525.2	-88	-88	70	130	
2017/18-3	Lab	LCS dup	3/22/2018	Organic	Bis(2-ethylhexyl)adipate	n/a	DNQ	4.44	µg/L	EPA 525.2	0.1	5			
2017/18-3	Lab	LCS dup, rec	3/22/2018	Organic	Bis(2-ethylhexyl)adipate	n/a	=	89	%	EPA 525.2	-88	-88	70	130	
2017/18-3	Lab	LCS, RPD	3/22/2018	Organic	Bis(2-ethylhexyl)adipate	n/a	=	15	%	EPA 525.2	-88	-88	0	30	
2017/18-3	Lab	method blank	3/22/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5			
2017/18-3	Lab	LCS	3/22/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	19.2	µg/L	EPA 625	2.3	5			
2017/18-3	Lab	LCS, rec	3/22/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	77	%	EPA 625	-88	-88	8	158	
2017/18-3	Lab	LCS dup	3/22/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	16.1	µg/L	EPA 625	2.3	5			
2017/18-3	Lab	LCS dup, rec	3/22/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	64	%	EPA 625	-88	-88	8	158	
2017/18-3	Lab	LCS, RPD	3/22/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	17	%	EPA 625	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-3	Lab	method blank	3/22/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3			
2017/18-3	Lab	LCS	3/22/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	5.2	µg/L	EPA 525.2	1.1	3			
2017/18-3	Lab	LCS, rec	3/22/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	104	%	EPA 525.2	-88	-88	70	130	
2017/18-3	Lab	LCS dup	3/22/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	4.5	µg/L	EPA 525.2	1.1	3			
2017/18-3	Lab	LCS dup, rec	3/22/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	90	%	EPA 525.2	-88	-88	70	130	
2017/18-3	Lab	LCS, RPD	3/22/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	14	%	EPA 525.2	-88	-88	0	30	
2017/18-3	Lab	method blank	3/22/2018	Organic	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2017/18-3	Lab	LCS	3/22/2018	Organic	Butyl benzyl phthalate	n/a	=	19.3	µg/L	EPA 625	0.18	1			
2017/18-3	Lab	LCS, rec	3/22/2018	Organic	Butyl benzyl phthalate	n/a	=	77	%	EPA 625	-88	-88	0.1	152	
2017/18-3	Lab	LCS dup	3/22/2018	Organic	Butyl benzyl phthalate	n/a	=	16.8	µg/L	EPA 625	0.18	1			
2017/18-3	Lab	LCS dup, rec	3/22/2018	Organic	Butyl benzyl phthalate	n/a	=	67	%	EPA 625	-88	-88	0.1	152	
2017/18-3	Lab	LCS, RPD	3/22/2018	Organic	Butyl benzyl phthalate	n/a	=	14	%	EPA 625	-88	-88	0	30	
2017/18-3	Lab	method blank	3/22/2018	Organic	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2017/18-3	Lab	LCS	3/22/2018	Organic	Chrysene	n/a	=	23.9	µg/L	EPA 625	0.19	1			
2017/18-3	Lab	LCS, rec	3/22/2018	Organic	Chrysene	n/a	=	95	%	EPA 625	-88	-88	17	168	
2017/18-3	Lab	LCS dup	3/22/2018	Organic	Chrysene	n/a	=	25.1	µg/L	EPA 625	0.19	1			
2017/18-3	Lab	LCS dup, rec	3/22/2018	Organic	Chrysene	n/a	=	100	%	EPA 625	-88	-88	17	168	
2017/18-3	Lab	LCS, RPD	3/22/2018	Organic	Chrysene	n/a	=	5	%	EPA 625	-88	-88	0	30	
2017/18-3	Lab	method blank	3/27/2018	Organic	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-3	Lab	LCS	3/27/2018	Organic	Chrysene	n/a	=	8.09	µg/L	EPA 8270C	0.1	0.1			
2017/18-3	Lab	LCS, rec	3/27/2018	Organic	Chrysene	n/a	=	81	%	EPA 8270C	-88	-88	32	126	
2017/18-3	Lab	LCS dup	3/27/2018	Organic	Chrysene	n/a	=	8.2	µg/L	EPA 8270C	0.1	0.1			
2017/18-3	Lab	LCS dup, rec	3/27/2018	Organic	Chrysene	n/a	=	82	%	EPA 8270C	-88	-88	32	126	
2017/18-3	Lab	LCS, RPD	3/27/2018	Organic	Chrysene	n/a	=	1	%	EPA 8270C	-88	-88	0	30	
2017/18-3	Lab	method blank	3/22/2018	Organic	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2			
2017/18-3	Lab	LCS	3/22/2018	Organic	Dibenz(a,h)anthracene	n/a	=	16.5	µg/L	EPA 625	0.08	2			
2017/18-3	Lab	LCS, rec	3/22/2018	Organic	Dibenz(a,h)anthracene	n/a	=	66	%	EPA 625	-88	-88	0.1	227	
2017/18-3	Lab	LCS dup	3/22/2018	Organic	Dibenz(a,h)anthracene	n/a	=	15.4	µg/L	EPA 625	0.08	2			
2017/18-3	Lab	LCS dup, rec	3/22/2018	Organic	Dibenz(a,h)anthracene	n/a	=	62	%	EPA 625	-88	-88	0.1	227	
2017/18-3	Lab	LCS, RPD	3/22/2018	Organic	Dibenz(a,h)anthracene	n/a	=	7	%	EPA 625	-88	-88	0	30	
2017/18-3	Lab	method blank	3/27/2018	Organic	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-3	Lab	LCS	3/27/2018	Organic	Dibenz(a,h)anthracene	n/a	=	9.85	µg/L	EPA 8270C	0.1	0.1			
2017/18-3	Lab	LCS, rec	3/27/2018	Organic	Dibenz(a,h)anthracene	n/a	=	98	%	EPA 8270C	-88	-88	9	147	
2017/18-3	Lab	LCS dup	3/27/2018	Organic	Dibenz(a,h)anthracene	n/a	=	13.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-3	Lab	LCS dup, rec	3/27/2018	Organic	Dibenz(a,h)anthracene	n/a	=	131	%	EPA 8270C	-88	-88	9	147	
2017/18-3	Lab	LCS, RPD	3/27/2018	Organic	Dibenz(a,h)anthracene	n/a	=	28	%	EPA 8270C	-88	-88	0	30	
2017/18-3	Lab	method blank	3/22/2018	Organic	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1			
2017/18-3	Lab	LCS	3/22/2018	Organic	Diethyl phthalate	n/a	=	18	µg/L	EPA 625	0.15	1			
2017/18-3	Lab	LCS, rec	3/22/2018	Organic	Diethyl phthalate	n/a	=	72	%	EPA 625	-88	-88	0.1	114	
2017/18-3	Lab	LCS dup	3/22/2018	Organic	Diethyl phthalate	n/a	=	18.7	µg/L	EPA 625	0.15	1			
2017/18-3	Lab	LCS dup, rec	3/22/2018	Organic	Diethyl phthalate	n/a	=	75	%	EPA 625	-88	-88	0.1	114	
2017/18-3	Lab	LCS, RPD	3/22/2018	Organic	Diethyl phthalate	n/a	=	4	%	EPA 625	-88	-88	0	30	
2017/18-3	Lab	method blank	3/22/2018	Organic	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2017/18-3	Lab	LCS	3/22/2018	Organic	Dimethyl phthalate	n/a	=	16	µg/L	EPA 625	0.18	1			
2017/18-3	Lab	LCS, rec	3/22/2018	Organic	Dimethyl phthalate	n/a	=	64	%	EPA 625	-88	-88	0.1	112	
2017/18-3	Lab	LCS dup	3/22/2018	Organic	Dimethyl phthalate	n/a	=	19	µg/L	EPA 625	0.18	1			
2017/18-3	Lab	LCS dup, rec	3/22/2018	Organic	Dimethyl phthalate	n/a	=	76	%	EPA 625	-88	-88	0.1	112	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-3	Lab	LCS, RPD	3/22/2018	Organic	Dimethyl phthalate	n/a	=	17	%	EPA 625	-88	-88	0	30	
2017/18-3	Lab	method blank	3/22/2018	Organic	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1			
2017/18-3	Lab	LCS	3/22/2018	Organic	Di-n-butylphthalate	n/a	=	22.2	µg/L	EPA 625	0.24	1			
2017/18-3	Lab	LCS, rec	3/22/2018	Organic	Di-n-butylphthalate	n/a	=	89	%	EPA 625	-88	-88	1	118	
2017/18-3	Lab	LCS dup	3/22/2018	Organic	Di-n-butylphthalate	n/a	=	23.1	µg/L	EPA 625	0.24	1			
2017/18-3	Lab	LCS dup, rec	3/22/2018	Organic	Di-n-butylphthalate	n/a	=	92	%	EPA 625	-88	-88	1	118	
2017/18-3	Lab	LCS, RPD	3/22/2018	Organic	Di-n-butylphthalate	n/a	=	4	%	EPA 625	-88	-88	0	30	
2017/18-3	Lab	method blank	3/22/2018	Organic	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2017/18-3	Lab	LCS	3/22/2018	Organic	Di-n-octylphthalate	n/a	=	20.7	µg/L	EPA 625	0.19	1			
2017/18-3	Lab	LCS, rec	3/22/2018	Organic	Di-n-octylphthalate	n/a	=	83	%	EPA 625	-88	-88	4	146	
2017/18-3	Lab	LCS dup	3/22/2018	Organic	Di-n-octylphthalate	n/a	=	20.5	µg/L	EPA 625	0.19	1			
2017/18-3	Lab	LCS dup, rec	3/22/2018	Organic	Di-n-octylphthalate	n/a	=	82	%	EPA 625	-88	-88	4	146	
2017/18-3	Lab	LCS, RPD	3/22/2018	Organic	Di-n-octylphthalate	n/a	=	1	%	EPA 625	-88	-88	0	30	
2017/18-3	Lab	method blank	3/22/2018	Organic	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2017/18-3	Lab	LCS	3/22/2018	Organic	Fluoranthene	n/a	=	20.9	µg/L	EPA 625	0.22	1			
2017/18-3	Lab	LCS, rec	3/22/2018	Organic	Fluoranthene	n/a	=	83	%	EPA 625	-88	-88	26	137	
2017/18-3	Lab	LCS dup	3/22/2018	Organic	Fluoranthene	n/a	=	20.2	µg/L	EPA 625	0.22	1			
2017/18-3	Lab	LCS dup, rec	3/22/2018	Organic	Fluoranthene	n/a	=	81	%	EPA 625	-88	-88	26	137	
2017/18-3	Lab	LCS, RPD	3/22/2018	Organic	Fluoranthene	n/a	=	3	%	EPA 625	-88	-88	0	30	
2017/18-3	Lab	method blank	3/27/2018	Organic	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-3	Lab	LCS	3/27/2018	Organic	Fluoranthene	n/a	=	8.31	µg/L	EPA 8270C	0.1	0.1			
2017/18-3	Lab	LCS, rec	3/27/2018	Organic	Fluoranthene	n/a	=	83	%	EPA 8270C	-88	-88	22	131	
2017/18-3	Lab	LCS dup	3/27/2018	Organic	Fluoranthene	n/a	=	8.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-3	Lab	LCS dup, rec	3/27/2018	Organic	Fluoranthene	n/a	=	81	%	EPA 8270C	-88	-88	22	131	
2017/18-3	Lab	LCS, RPD	3/27/2018	Organic	Fluoranthene	n/a	=	3	%	EPA 8270C	-88	-88	0	30	
2017/18-3	Lab	method blank	3/22/2018	Organic	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1			
2017/18-3	Lab	LCS	3/22/2018	Organic	Fluorene	n/a	=	18.2	µg/L	EPA 625	0.35	1			
2017/18-3	Lab	LCS, rec	3/22/2018	Organic	Fluorene	n/a	=	73	%	EPA 625	-88	-88	59	121	
2017/18-3	Lab	LCS dup	3/22/2018	Organic	Fluorene	n/a	=	19.4	µg/L	EPA 625	0.35	1			
2017/18-3	Lab	LCS dup, rec	3/22/2018	Organic	Fluorene	n/a	=	78	%	EPA 625	-88	-88	59	121	
2017/18-3	Lab	LCS, RPD	3/22/2018	Organic	Fluorene	n/a	=	6	%	EPA 625	-88	-88	0	30	
2017/18-3	Lab	method blank	3/27/2018	Organic	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-3	Lab	LCS	3/27/2018	Organic	Fluorene	n/a	=	8.04	µg/L	EPA 8270C	0.1	0.1			
2017/18-3	Lab	LCS, rec	3/27/2018	Organic	Fluorene	n/a	=	80	%	EPA 8270C	-88	-88	19	122	
2017/18-3	Lab	LCS dup	3/27/2018	Organic	Fluorene	n/a	=	7.26	µg/L	EPA 8270C	0.1	0.1			
2017/18-3	Lab	LCS dup, rec	3/27/2018	Organic	Fluorene	n/a	=	73	%	EPA 8270C	-88	-88	19	122	
2017/18-3	Lab	LCS, RPD	3/27/2018	Organic	Fluorene	n/a	=	10	%	EPA 8270C	-88	-88	0	30	
2017/18-3	Lab	method blank	3/22/2018	Organic	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1			
2017/18-3	Lab	LCS	3/22/2018	Organic	Hexachlorobenzene	n/a	=	17.9	µg/L	EPA 625	0.49	1			
2017/18-3	Lab	LCS, rec	3/22/2018	Organic	Hexachlorobenzene	n/a	=	72	%	EPA 625	-88	-88	0.1	152	
2017/18-3	Lab	LCS dup	3/22/2018	Organic	Hexachlorobenzene	n/a	=	18.8	µg/L	EPA 625	0.49	1			
2017/18-3	Lab	LCS dup, rec	3/22/2018	Organic	Hexachlorobenzene	n/a	=	75	%	EPA 625	-88	-88	0.1	152	
2017/18-3	Lab	LCS, RPD	3/22/2018	Organic	Hexachlorobenzene	n/a	=	5	%	EPA 625	-88	-88	0	30	
2017/18-3	Lab	method blank	3/22/2018	Organic	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1			
2017/18-3	Lab	LCS	3/22/2018	Organic	Hexachlorobutadiene	n/a	=	17.2	µg/L	EPA 625	0.47	1			
2017/18-3	Lab	LCS, rec	3/22/2018	Organic	Hexachlorobutadiene	n/a	=	69	%	EPA 625	-88	-88	24	116	
2017/18-3	Lab	LCS dup	3/22/2018	Organic	Hexachlorobutadiene	n/a	=	18.6	µg/L	EPA 625	0.47	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-3	Lab	LCS dup, rec	3/22/2018	Organic	Hexachlorobutadiene	n/a	=	74	%	EPA 625	-88	-88	24	116	
2017/18-3	Lab	LCS, RPD	3/22/2018	Organic	Hexachlorobutadiene	n/a	=	8	%	EPA 625	-88	-88	0	30	
2017/18-3	Lab	method blank	3/22/2018	Organic	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5			
2017/18-3	Lab	LCS	3/22/2018	Organic	Hexachlorocyclopentadiene	n/a	=	7.89	µg/L	EPA 625	1.5	5			
2017/18-3	Lab	LCS, rec	3/22/2018	Organic	Hexachlorocyclopentadiene	n/a	=	32	%	EPA 625	-88	-88	0.1	81	
2017/18-3	Lab	LCS dup	3/22/2018	Organic	Hexachlorocyclopentadiene	n/a	=	9.35	µg/L	EPA 625	1.5	5			
2017/18-3	Lab	LCS dup, rec	3/22/2018	Organic	Hexachlorocyclopentadiene	n/a	=	37	%	EPA 625	-88	-88	0.1	81	
2017/18-3	Lab	LCS, RPD	3/22/2018	Organic	Hexachlorocyclopentadiene	n/a	=	17	%	EPA 625	-88	-88	0	30	
2017/18-3	Lab	method blank	3/22/2018	Organic	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1			
2017/18-3	Lab	LCS	3/22/2018	Organic	Hexachloroethane	n/a	=	17.2	µg/L	EPA 625	0.52	1			
2017/18-3	Lab	LCS, rec	3/22/2018	Organic	Hexachloroethane	n/a	=	69	%	EPA 625	-88	-88	40	113	
2017/18-3	Lab	LCS dup	3/22/2018	Organic	Hexachloroethane	n/a	=	17.2	µg/L	EPA 625	0.52	1			
2017/18-3	Lab	LCS dup, rec	3/22/2018	Organic	Hexachloroethane	n/a	=	69	%	EPA 625	-88	-88	40	113	
2017/18-3	Lab	LCS, RPD	3/22/2018	Organic	Hexachloroethane	n/a	=	0.05	%	EPA 625	-88	-88	0	30	
2017/18-3	Lab	method blank	3/22/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2			
2017/18-3	Lab	LCS	3/22/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	15.8	µg/L	EPA 625	0.12	2			
2017/18-3	Lab	LCS, rec	3/22/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	63	%	EPA 625	-88	-88	0.1	171	
2017/18-3	Lab	LCS dup	3/22/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	15.7	µg/L	EPA 625	0.12	2			
2017/18-3	Lab	LCS dup, rec	3/22/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	63	%	EPA 625	-88	-88	0.1	171	
2017/18-3	Lab	LCS, RPD	3/22/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	0.6	%	EPA 625	-88	-88	0	30	
2017/18-3	Lab	method blank	3/27/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-3	Lab	LCS	3/27/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	11	µg/L	EPA 8270C	0.1	0.1			
2017/18-3	Lab	LCS, rec	3/27/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	110	%	EPA 8270C	-88	-88	12	136	
2017/18-3	Lab	LCS dup	3/27/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	12.3	µg/L	EPA 8270C	0.1	0.1			
2017/18-3	Lab	LCS dup, rec	3/27/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	123	%	EPA 8270C	-88	-88	12	136	
2017/18-3	Lab	LCS, RPD	3/27/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	11	%	EPA 8270C	-88	-88	0	30	
2017/18-3	Lab	method blank	3/22/2018	Organic	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1			
2017/18-3	Lab	LCS	3/22/2018	Organic	Isophorone	n/a	=	15.9	µg/L	EPA 625	0.21	1			
2017/18-3	Lab	LCS, rec	3/22/2018	Organic	Isophorone	n/a	=	64	%	EPA 625	-88	-88	21	196	
2017/18-3	Lab	LCS dup	3/22/2018	Organic	Isophorone	n/a	=	16.1	µg/L	EPA 625	0.21	1			
2017/18-3	Lab	LCS dup, rec	3/22/2018	Organic	Isophorone	n/a	=	64	%	EPA 625	-88	-88	21	196	
2017/18-3	Lab	LCS, RPD	3/22/2018	Organic	Isophorone	n/a	=	1	%	EPA 625	-88	-88	0	30	
2017/18-3	Lab	LCS	3/13/2018	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	48.3	µg/L	EPA 624	0.25	1			
2017/18-3	Lab	LCS, rec	3/13/2018	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	97	%	EPA 624	-88	-88	80	128	
2017/18-3	Lab	LCS dup	3/13/2018	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	48.9	µg/L	EPA 624	0.25	1			
2017/18-3	Lab	LCS dup, rec	3/13/2018	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	98	%	EPA 624	-88	-88	80	128	
2017/18-3	Lab	LCS, RPD	3/13/2018	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	1	%	EPA 624	-88	-88	0	25	
2017/18-3	Lab	method blank	3/13/2018	Organic	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1			
2017/18-3	ME-CC	field duplicate	3/13/2018	Organic	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1			
2017/18-3	Lab	method blank	3/22/2018	Organic	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1			
2017/18-3	Lab	LCS	3/22/2018	Organic	Naphthalene	n/a	=	19	µg/L	EPA 625	0.49	1			
2017/18-3	Lab	LCS, rec	3/22/2018	Organic	Naphthalene	n/a	=	76	%	EPA 625	-88	-88	21	133	
2017/18-3	Lab	LCS dup	3/22/2018	Organic	Naphthalene	n/a	=	21.1	µg/L	EPA 625	0.49	1			
2017/18-3	Lab	LCS dup, rec	3/22/2018	Organic	Naphthalene	n/a	=	84	%	EPA 625	-88	-88	21	133	
2017/18-3	Lab	LCS, RPD	3/22/2018	Organic	Naphthalene	n/a	=	10	%	EPA 625	-88	-88	0	30	
2017/18-3	Lab	method blank	3/27/2018	Organic	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-3	Lab	LCS	3/27/2018	Organic	Naphthalene	n/a	=	7.73	µg/L	EPA 8270C	0.1	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-3	Lab	LCS, rec	3/27/2018	Organic	Naphthalene	n/a	=	77	%	EPA 8270C	-88	-88	12	136	
2017/18-3	Lab	LCS dup	3/27/2018	Organic	Naphthalene	n/a	=	6.44	µg/L	EPA 8270C	0.1	0.1			
2017/18-3	Lab	LCS dup, rec	3/27/2018	Organic	Naphthalene	n/a	=	64	%	EPA 8270C	-88	-88	12	136	
2017/18-3	Lab	LCS, RPD	3/27/2018	Organic	Naphthalene	n/a	=	18	%	EPA 8270C	-88	-88	0	30	
2017/18-3	Lab	method blank	3/22/2018	Organic	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2017/18-3	Lab	LCS	3/22/2018	Organic	Nitrobenzene	n/a	=	16.4	µg/L	EPA 625	0.36	1			
2017/18-3	Lab	LCS, rec	3/22/2018	Organic	Nitrobenzene	n/a	=	66	%	EPA 625	-88	-88	35	180	
2017/18-3	Lab	LCS dup	3/22/2018	Organic	Nitrobenzene	n/a	=	16.9	µg/L	EPA 625	0.36	1			
2017/18-3	Lab	LCS dup, rec	3/22/2018	Organic	Nitrobenzene	n/a	=	68	%	EPA 625	-88	-88	35	180	
2017/18-3	Lab	LCS, RPD	3/22/2018	Organic	Nitrobenzene	n/a	=	3	%	EPA 625	-88	-88	0	30	
2017/18-3	Lab	srgt method blank	3/22/2018	Organic	Nitrobenzene-d5	n/a	=	20.7	µg/L	EPA 625	-88	-88			
2017/18-3	Lab	srgt method blank, rec	3/22/2018	Organic	Nitrobenzene-d5	n/a	=	83	%	EPA 625	-88	-88	27	111	
2017/18-3	Lab	srgt LCS	3/22/2018	Organic	Nitrobenzene-d5	n/a	=	17.6	µg/L	EPA 625	-88	-88			
2017/18-3	Lab	srgt LCS, rec	3/22/2018	Organic	Nitrobenzene-d5	n/a	=	70	%	EPA 625	-88	-88	27	111	
2017/18-3	Lab	srgt LCS dup	3/22/2018	Organic	Nitrobenzene-d5	n/a	=	18.1	µg/L	EPA 625	-88	-88			
2017/18-3	Lab	srgt LCS dup, rec	3/22/2018	Organic	Nitrobenzene-d5	n/a	=	73	%	EPA 625	-88	-88	27	111	
2017/18-3	Lab	srgt method blank	3/27/2018	Organic	Nitrobenzene-d5	n/a	=	2.66	µg/L	EPA 8270C	-88	-88			
2017/18-3	Lab	srgt method blank, rec	3/27/2018	Organic	Nitrobenzene-d5	n/a	=	53	%	EPA 8270C	-88	-88	51	143	
2017/18-3	Lab	srgt LCS	3/27/2018	Organic	Nitrobenzene-d5	n/a	=	3.64	µg/L	EPA 8270C	-88	-88			
2017/18-3	Lab	srgt LCS, rec	3/27/2018	Organic	Nitrobenzene-d5	n/a	=	73	%	EPA 8270C	-88	-88	51	143	
2017/18-3	Lab	srgt LCS dup	3/27/2018	Organic	Nitrobenzene-d5	n/a	=	2.83	µg/L	EPA 8270C	-88	-88			
2017/18-3	Lab	srgt LCS dup, rec	3/27/2018	Organic	Nitrobenzene-d5	n/a	=	57	%	EPA 8270C	-88	-88	51	143	
2017/18-3	ME-CC	srgt environ	3/22/2018	Organic	Nitrobenzene-d5	n/a	=	19	µg/L	EPA 625	-88	-88			
2017/18-3	ME-CC	srgt environ, rec	3/22/2018	Organic	Nitrobenzene-d5	n/a	=	76	%	EPA 625	-88	-88	27	111	
2017/18-3	ME-CC	srgt environ	3/27/2018	Organic	Nitrobenzene-d5	n/a	=	2.36	µg/L	EPA 8270C	-88	-88			GN
2017/18-3	ME-CC	srgt environ, rec	3/27/2018	Organic	Nitrobenzene-d5	n/a	=	47	%	EPA 8270C	-88	-88	51	143	GN
2017/18-3	ME-SCR	srgt environ	3/22/2018	Organic	Nitrobenzene-d5	n/a	=	47	µg/L	EPA 625	-88	-88			
2017/18-3	ME-SCR	srgt environ, rec	3/22/2018	Organic	Nitrobenzene-d5	n/a	=	75	%	EPA 625	-88	-88	27	111	
2017/18-3	ME-SCR	srgt environ	3/27/2018	Organic	Nitrobenzene-d5	n/a	=	2.9	µg/L	EPA 8270C	-88	-88			
2017/18-3	ME-SCR	srgt environ, rec	3/27/2018	Organic	Nitrobenzene-d5	n/a	=	58	%	EPA 8270C	-88	-88	51	143	
2017/18-3	ME-VR2	srgt environ	3/22/2018	Organic	Nitrobenzene-d5	n/a	=	18.6	µg/L	EPA 625	-88	-88			
2017/18-3	ME-VR2	srgt environ, rec	3/22/2018	Organic	Nitrobenzene-d5	n/a	=	74	%	EPA 625	-88	-88	27	111	
2017/18-3	ME-VR2	srgt environ	3/27/2018	Organic	Nitrobenzene-d5	n/a	=	3.16	µg/L	EPA 8270C	-88	-88			
2017/18-3	ME-VR2	srgt environ, rec	3/27/2018	Organic	Nitrobenzene-d5	n/a	=	63	%	EPA 8270C	-88	-88	51	143	
2017/18-3	MO-CAM	srgt environ	3/22/2018	Organic	Nitrobenzene-d5	n/a	=	17.2	µg/L	EPA 625	-88	-88			
2017/18-3	MO-CAM	srgt environ, rec	3/22/2018	Organic	Nitrobenzene-d5	n/a	=	69	%	EPA 625	-88	-88	27	111	
2017/18-3	MO-CAM	srgt environ	3/27/2018	Organic	Nitrobenzene-d5	n/a	=	2.9	µg/L	EPA 8270C	-88	-88			
2017/18-3	MO-CAM	srgt environ, rec	3/27/2018	Organic	Nitrobenzene-d5	n/a	=	58	%	EPA 8270C	-88	-88	51	143	
2017/18-3	MO-FIL	srgt environ	3/22/2018	Organic	Nitrobenzene-d5	n/a	=	18	µg/L	EPA 625	-88	-88			
2017/18-3	MO-FIL	srgt environ, rec	3/22/2018	Organic	Nitrobenzene-d5	n/a	=	72	%	EPA 625	-88	-88	27	111	
2017/18-3	MO-FIL	srgt environ	3/27/2018	Organic	Nitrobenzene-d5	n/a	=	3.13	µg/L	EPA 8270C	-88	-88			
2017/18-3	MO-FIL	srgt environ, rec	3/27/2018	Organic	Nitrobenzene-d5	n/a	=	63	%	EPA 8270C	-88	-88	51	143	
2017/18-3	MO-HUE	srgt environ	3/22/2018	Organic	Nitrobenzene-d5	n/a	=	18.1	µg/L	EPA 625	-88	-88			
2017/18-3	MO-HUE	srgt environ, rec	3/22/2018	Organic	Nitrobenzene-d5	n/a	=	72	%	EPA 625	-88	-88	27	111	
2017/18-3	MO-HUE	srgt environ	3/27/2018	Organic	Nitrobenzene-d5	n/a	=	3.28	µg/L	EPA 8270C	-88	-88			
2017/18-3	MO-HUE	srgt environ, rec	3/27/2018	Organic	Nitrobenzene-d5	n/a	=	66	%	EPA 8270C	-88	-88	51	143	
2017/18-3	MO-MEI	srgt environ	3/22/2018	Organic	Nitrobenzene-d5	n/a	=	18.8	µg/L	EPA 625	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-3	MO-MEI	srgt environ, rec	3/22/2018	Organic	Nitrobenzene-d5	n/a	=	75	%	EPA 625	-88	-88	27	111	
2017/18-3	MO-MEI	srgt environ	3/27/2018	Organic	Nitrobenzene-d5	n/a	=	2.96	µg/L	EPA 8270C	-88	-88			
2017/18-3	MO-MEI	srgt environ, rec	3/27/2018	Organic	Nitrobenzene-d5	n/a	=	59	%	EPA 8270C	-88	-88	51	143	
2017/18-3	MO-MPK	srgt environ	3/22/2018	Organic	Nitrobenzene-d5	n/a	=	16.8	µg/L	EPA 625	-88	-88			
2017/18-3	MO-MPK	srgt environ, rec	3/22/2018	Organic	Nitrobenzene-d5	n/a	=	67	%	EPA 625	-88	-88	27	111	
2017/18-3	MO-MPK	srgt environ	3/27/2018	Organic	Nitrobenzene-d5	n/a	=	2.9	µg/L	EPA 8270C	-88	-88			
2017/18-3	MO-MPK	srgt environ, rec	3/27/2018	Organic	Nitrobenzene-d5	n/a	=	58	%	EPA 8270C	-88	-88	51	143	
2017/18-3	MO-OJA	srgt environ	3/22/2018	Organic	Nitrobenzene-d5	n/a	=	17.3	µg/L	EPA 625	-88	-88			
2017/18-3	MO-OJA	srgt environ, rec	3/22/2018	Organic	Nitrobenzene-d5	n/a	=	69	%	EPA 625	-88	-88	27	111	
2017/18-3	MO-OJA	srgt environ	3/27/2018	Organic	Nitrobenzene-d5	n/a	=	3.05	µg/L	EPA 8270C	-88	-88			
2017/18-3	MO-OJA	srgt environ, rec	3/27/2018	Organic	Nitrobenzene-d5	n/a	=	61	%	EPA 8270C	-88	-88	51	143	
2017/18-3	MO-OXN	srgt environ	3/22/2018	Organic	Nitrobenzene-d5	n/a	=	17.4	µg/L	EPA 625	-88	-88			
2017/18-3	MO-OXN	srgt environ, rec	3/22/2018	Organic	Nitrobenzene-d5	n/a	=	70	%	EPA 625	-88	-88	27	111	
2017/18-3	MO-OXN	srgt environ	3/27/2018	Organic	Nitrobenzene-d5	n/a	=	3.17	µg/L	EPA 8270C	-88	-88			
2017/18-3	MO-OXN	srgt environ, rec	3/27/2018	Organic	Nitrobenzene-d5	n/a	=	63	%	EPA 8270C	-88	-88	51	143	
2017/18-3	MO-SIM	srgt environ	3/22/2018	Organic	Nitrobenzene-d5	n/a	=	17.2	µg/L	EPA 625	-88	-88			
2017/18-3	MO-SIM	srgt environ, rec	3/22/2018	Organic	Nitrobenzene-d5	n/a	=	69	%	EPA 625	-88	-88	27	111	
2017/18-3	MO-SIM	srgt environ	3/27/2018	Organic	Nitrobenzene-d5	n/a	=	2.89	µg/L	EPA 8270C	-88	-88			
2017/18-3	MO-SIM	srgt environ, rec	3/27/2018	Organic	Nitrobenzene-d5	n/a	=	58	%	EPA 8270C	-88	-88	51	143	
2017/18-3	MO-SPA	srgt environ	3/22/2018	Organic	Nitrobenzene-d5	n/a	=	17.9	µg/L	EPA 625	-88	-88			
2017/18-3	MO-SPA	srgt environ, rec	3/22/2018	Organic	Nitrobenzene-d5	n/a	=	72	%	EPA 625	-88	-88	27	111	
2017/18-3	MO-SPA	srgt environ	3/27/2018	Organic	Nitrobenzene-d5	n/a	=	3.17	µg/L	EPA 8270C	-88	-88			
2017/18-3	MO-SPA	srgt environ, rec	3/27/2018	Organic	Nitrobenzene-d5	n/a	=	63	%	EPA 8270C	-88	-88	51	143	
2017/18-3	MO-THO	srgt environ	3/22/2018	Organic	Nitrobenzene-d5	n/a	=	18.7	µg/L	EPA 625	-88	-88			
2017/18-3	MO-THO	srgt environ, rec	3/22/2018	Organic	Nitrobenzene-d5	n/a	=	75	%	EPA 625	-88	-88	27	111	
2017/18-3	MO-THO	srgt environ	3/27/2018	Organic	Nitrobenzene-d5	n/a	=	3.04	µg/L	EPA 8270C	-88	-88			
2017/18-3	MO-THO	srgt environ, rec	3/27/2018	Organic	Nitrobenzene-d5	n/a	=	61	%	EPA 8270C	-88	-88	51	143	
2017/18-3	MO-VEN	srgt environ	3/22/2018	Organic	Nitrobenzene-d5	n/a	=	19.2	µg/L	EPA 625	-88	-88			
2017/18-3	MO-VEN	srgt environ, rec	3/22/2018	Organic	Nitrobenzene-d5	n/a	=	77	%	EPA 625	-88	-88	27	111	
2017/18-3	MO-VEN	srgt environ	3/27/2018	Organic	Nitrobenzene-d5	n/a	=	3.15	µg/L	EPA 8270C	-88	-88			
2017/18-3	MO-VEN	srgt environ, rec	3/27/2018	Organic	Nitrobenzene-d5	n/a	=	63	%	EPA 8270C	-88	-88	51	143	
2017/18-3	Lab	method blank	3/22/2018	Organic	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1			
2017/18-3	Lab	LCS	3/22/2018	Organic	N-Nitrosodimethylamine	n/a	=	12.3	µg/L	EPA 625	0.14	1			
2017/18-3	Lab	LCS, rec	3/22/2018	Organic	N-Nitrosodimethylamine	n/a	=	49	%	EPA 625	-88	-88	20	83	
2017/18-3	Lab	LCS dup	3/22/2018	Organic	N-Nitrosodimethylamine	n/a	=	12.9	µg/L	EPA 625	0.14	1			
2017/18-3	Lab	LCS dup, rec	3/22/2018	Organic	N-Nitrosodimethylamine	n/a	=	52	%	EPA 625	-88	-88	20	83	
2017/18-3	Lab	LCS, RPD	3/22/2018	Organic	N-Nitrosodimethylamine	n/a	=	5	%	EPA 625	-88	-88	0	30	
2017/18-3	Lab	method blank	3/22/2018	Organic	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2017/18-3	Lab	LCS	3/22/2018	Organic	N-Nitrosodi-N-propylamine	n/a	=	18.9	µg/L	EPA 625	0.26	1			
2017/18-3	Lab	LCS, rec	3/22/2018	Organic	N-Nitrosodi-N-propylamine	n/a	=	76	%	EPA 625	-88	-88	0.1	230	
2017/18-3	Lab	LCS dup	3/22/2018	Organic	N-Nitrosodi-N-propylamine	n/a	=	19	µg/L	EPA 625	0.26	1			
2017/18-3	Lab	LCS dup, rec	3/22/2018	Organic	N-Nitrosodi-N-propylamine	n/a	=	76	%	EPA 625	-88	-88	0.1	230	
2017/18-3	Lab	LCS, RPD	3/22/2018	Organic	N-Nitrosodi-N-propylamine	n/a	=	0.08	%	EPA 625	-88	-88	0	30	
2017/18-3	Lab	method blank	3/22/2018	Organic	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2017/18-3	Lab	LCS	3/22/2018	Organic	N-Nitrosodiphenylamine	n/a	=	14.1	µg/L	EPA 625	0.19	1			
2017/18-3	Lab	LCS, rec	3/22/2018	Organic	N-Nitrosodiphenylamine	n/a	=	56	%	EPA 625	-88	-88	42	90	
2017/18-3	Lab	LCS dup	3/22/2018	Organic	N-Nitrosodiphenylamine	n/a	=	14.8	µg/L	EPA 625	0.19	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-3	Lab	LCS dup, rec	3/22/2018	Organic	N-Nitrosodiphenylamine	n/a	=	59	%	EPA 625	-88	-88	42	90	
2017/18-3	Lab	LCS, RPD	3/22/2018	Organic	N-Nitrosodiphenylamine	n/a	=	5	%	EPA 625	-88	-88	0	30	
2017/18-3	Lab	srgt method blank	3/22/2018	Organic	Perylene-d12	n/a	=	4.75	µg/L	EPA 525.2	-88	-88			
2017/18-3	Lab	srgt method blank, rec	3/22/2018	Organic	Perylene-d12	n/a	=	95	%	EPA 525.2	-88	-88	50	120	
2017/18-3	Lab	srgt LCS	3/22/2018	Organic	Perylene-d12	n/a	=	5.54	µg/L	EPA 525.2	-88	-88			
2017/18-3	Lab	srgt LCS, rec	3/22/2018	Organic	Perylene-d12	n/a	=	111	%	EPA 525.2	-88	-88	50	120	
2017/18-3	Lab	srgt LCS dup	3/22/2018	Organic	Perylene-d12	n/a	=	5.39	µg/L	EPA 525.2	-88	-88			
2017/18-3	Lab	srgt LCS dup, rec	3/22/2018	Organic	Perylene-d12	n/a	=	108	%	EPA 525.2	-88	-88	50	120	
2017/18-3	ME-CC	srgt environ	3/22/2018	Organic	Perylene-d12	n/a	=	14.9	µg/L	EPA 525.2	-88	-88			
2017/18-3	ME-CC	srgt environ, rec	3/22/2018	Organic	Perylene-d12	n/a	=	60	%	EPA 525.2	-88	-88	50	120	
2017/18-3	ME-SCR	srgt environ	3/22/2018	Organic	Perylene-d12	n/a	=	20.5	µg/L	EPA 525.2	-88	-88			
2017/18-3	ME-SCR	srgt environ, rec	3/22/2018	Organic	Perylene-d12	n/a	=	82	%	EPA 525.2	-88	-88	50	120	
2017/18-3	ME-VR2	srgt environ	3/22/2018	Organic	Perylene-d12	n/a	=	21.4	µg/L	EPA 525.2	-88	-88			
2017/18-3	ME-VR2	srgt environ, rec	3/22/2018	Organic	Perylene-d12	n/a	=	86	%	EPA 525.2	-88	-88	50	120	
2017/18-3	MO-CAM	srgt environ	3/22/2018	Organic	Perylene-d12	n/a	=	22.6	µg/L	EPA 525.2	-88	-88			
2017/18-3	MO-CAM	srgt environ, rec	3/22/2018	Organic	Perylene-d12	n/a	=	91	%	EPA 525.2	-88	-88	50	120	
2017/18-3	MO-FIL	srgt environ	3/22/2018	Organic	Perylene-d12	n/a	=	23.7	µg/L	EPA 525.2	-88	-88			
2017/18-3	MO-FIL	srgt environ, rec	3/22/2018	Organic	Perylene-d12	n/a	=	95	%	EPA 525.2	-88	-88	50	120	
2017/18-3	MO-HUE	srgt environ	3/22/2018	Organic	Perylene-d12	n/a	=	5.71	µg/L	EPA 525.2	-88	-88			GN
2017/18-3	MO-HUE	srgt environ, rec	3/22/2018	Organic	Perylene-d12	n/a	=	23	%	EPA 525.2	-88	-88	50	120	GN
2017/18-3	MO-MEI	srgt environ	3/22/2018	Organic	Perylene-d12	n/a	=	20.5	µg/L	EPA 525.2	-88	-88			
2017/18-3	MO-MEI	srgt environ, rec	3/22/2018	Organic	Perylene-d12	n/a	=	82	%	EPA 525.2	-88	-88	50	120	
2017/18-3	MO-MPK	srgt environ	3/22/2018	Organic	Perylene-d12	n/a	=	18.4	µg/L	EPA 525.2	-88	-88			
2017/18-3	MO-MPK	srgt environ, rec	3/22/2018	Organic	Perylene-d12	n/a	=	74	%	EPA 525.2	-88	-88	50	120	
2017/18-3	MO-OJA	srgt environ	3/22/2018	Organic	Perylene-d12	n/a	=	16.4	µg/L	EPA 525.2	-88	-88			
2017/18-3	MO-OJA	srgt environ, rec	3/22/2018	Organic	Perylene-d12	n/a	=	65	%	EPA 525.2	-88	-88	50	120	
2017/18-3	MO-OXN	srgt environ	3/22/2018	Organic	Perylene-d12	n/a	=	17.3	µg/L	EPA 525.2	-88	-88			
2017/18-3	MO-OXN	srgt environ, rec	3/22/2018	Organic	Perylene-d12	n/a	=	69	%	EPA 525.2	-88	-88	50	120	
2017/18-3	MO-SIM	srgt environ	3/22/2018	Organic	Perylene-d12	n/a	=	17.2	µg/L	EPA 525.2	-88	-88			
2017/18-3	MO-SIM	srgt environ, rec	3/22/2018	Organic	Perylene-d12	n/a	=	69	%	EPA 525.2	-88	-88	50	120	
2017/18-3	MO-SPA	srgt environ	3/22/2018	Organic	Perylene-d12	n/a	=	14.7	µg/L	EPA 525.2	-88	-88			
2017/18-3	MO-SPA	srgt environ, rec	3/22/2018	Organic	Perylene-d12	n/a	=	59	%	EPA 525.2	-88	-88	50	120	
2017/18-3	MO-THO	srgt environ	3/22/2018	Organic	Perylene-d12	n/a	=	18.8	µg/L	EPA 525.2	-88	-88			
2017/18-3	MO-THO	srgt environ, rec	3/22/2018	Organic	Perylene-d12	n/a	=	75	%	EPA 525.2	-88	-88	50	120	
2017/18-3	MO-VEN	srgt environ	3/22/2018	Organic	Perylene-d12	n/a	=	18.1	µg/L	EPA 525.2	-88	-88			
2017/18-3	MO-VEN	srgt environ, rec	3/22/2018	Organic	Perylene-d12	n/a	=	72	%	EPA 525.2	-88	-88	50	120	
2017/18-3	Lab	method blank	3/22/2018	Organic	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1			
2017/18-3	Lab	LCS	3/22/2018	Organic	Phenanthrene	n/a	=	20.9	µg/L	EPA 625	0.32	1			
2017/18-3	Lab	LCS, rec	3/22/2018	Organic	Phenanthrene	n/a	=	84	%	EPA 625	-88	-88	54	120	
2017/18-3	Lab	LCS dup	3/22/2018	Organic	Phenanthrene	n/a	=	22.9	µg/L	EPA 625	0.32	1			
2017/18-3	Lab	LCS dup, rec	3/22/2018	Organic	Phenanthrene	n/a	=	91	%	EPA 625	-88	-88	54	120	
2017/18-3	Lab	LCS, RPD	3/22/2018	Organic	Phenanthrene	n/a	=	9	%	EPA 625	-88	-88	0	30	
2017/18-3	Lab	method blank	3/27/2018	Organic	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-3	Lab	LCS	3/27/2018	Organic	Phenanthrene	n/a	=	8.36	µg/L	EPA 8270C	0.1	0.1			
2017/18-3	Lab	LCS, rec	3/27/2018	Organic	Phenanthrene	n/a	=	84	%	EPA 8270C	-88	-88	21	131	
2017/18-3	Lab	LCS dup	3/27/2018	Organic	Phenanthrene	n/a	=	7.63	µg/L	EPA 8270C	0.1	0.1			
2017/18-3	Lab	LCS dup, rec	3/27/2018	Organic	Phenanthrene	n/a	=	76	%	EPA 8270C	-88	-88	21	131	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-3	Lab	LCS, RPD	3/27/2018	Organic	Phenanthrene	n/a	=	9	%	EPA 8270C	-88	-88	0	30	
2017/18-3	Lab	method blank	3/22/2018	Organic	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1			
2017/18-3	Lab	LCS	3/22/2018	Organic	Phenol	n/a	=	6.86	µg/L	EPA 625	0.16	1			
2017/18-3	Lab	LCS, rec	3/22/2018	Organic	Phenol	n/a	=	27	%	EPA 625	-88	-88	5	112	
2017/18-3	Lab	LCS dup	3/22/2018	Organic	Phenol	n/a	=	7.36	µg/L	EPA 625	0.16	1			
2017/18-3	Lab	LCS dup, rec	3/22/2018	Organic	Phenol	n/a	=	29	%	EPA 625	-88	-88	5	112	
2017/18-3	Lab	LCS, RPD	3/22/2018	Organic	Phenol	n/a	=	7	%	EPA 625	-88	-88	0	30	
2017/18-3	Lab	method blank	3/23/2018	Organic	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1			
2017/18-3	Lab	LCS	3/23/2018	Organic	Phenol	n/a	=	2.79	µg/L	EPA 8270C	0.35	1			
2017/18-3	Lab	LCS, rec	3/23/2018	Organic	Phenol	n/a	=	28	%	EPA 8270C	-88	-88	6	43	
2017/18-3	Lab	LCS dup	3/23/2018	Organic	Phenol	n/a	=	2.31	µg/L	EPA 8270C	0.35	1			
2017/18-3	Lab	LCS dup, rec	3/23/2018	Organic	Phenol	n/a	=	23	%	EPA 8270C	-88	-88	6	43	
2017/18-3	Lab	LCS, RPD	3/23/2018	Organic	Phenol	n/a	=	19	%	EPA 8270C	-88	-88	0	30	
2017/18-3	Lab	srgt method blank	3/22/2018	Organic	Phenol-d5	n/a	=	18.6	µg/L	EPA 625	-88	-88			
2017/18-3	Lab	srgt method blank, rec	3/22/2018	Organic	Phenol-d5	n/a	=	37	%	EPA 625	-88	-88	0.1	53	
2017/18-3	Lab	srgt LCS	3/22/2018	Organic	Phenol-d5	n/a	=	15	µg/L	EPA 625	-88	-88			
2017/18-3	Lab	srgt LCS, rec	3/22/2018	Organic	Phenol-d5	n/a	=	30	%	EPA 625	-88	-88	0.1	53	
2017/18-3	Lab	srgt LCS dup	3/22/2018	Organic	Phenol-d5	n/a	=	16.1	µg/L	EPA 625	-88	-88			
2017/18-3	Lab	srgt LCS dup, rec	3/22/2018	Organic	Phenol-d5	n/a	=	32	%	EPA 625	-88	-88	0.1	53	
2017/18-3	Lab	srgt method blank	3/23/2018	Organic	Phenol-d5	n/a	=	1.62	µg/L	EPA 8270C	-88	-88			
2017/18-3	Lab	srgt method blank, rec	3/23/2018	Organic	Phenol-d5	n/a	=	16	%	EPA 8270C	-88	-88	5	46	
2017/18-3	Lab	srgt LCS	3/23/2018	Organic	Phenol-d5	n/a	=	2.21	µg/L	EPA 8270C	-88	-88			
2017/18-3	Lab	srgt LCS, rec	3/23/2018	Organic	Phenol-d5	n/a	=	22	%	EPA 8270C	-88	-88	5	46	
2017/18-3	Lab	srgt LCS dup	3/23/2018	Organic	Phenol-d5	n/a	=	1.79	µg/L	EPA 8270C	-88	-88			
2017/18-3	Lab	srgt LCS dup, rec	3/23/2018	Organic	Phenol-d5	n/a	=	18	%	EPA 8270C	-88	-88	5	46	
2017/18-3	ME-CC	srgt environ	3/22/2018	Organic	Phenol-d5	n/a	=	16.1	µg/L	EPA 625	-88	-88			
2017/18-3	ME-CC	srgt environ, rec	3/22/2018	Organic	Phenol-d5	n/a	=	32	%	EPA 625	-88	-88	0.1	53	
2017/18-3	ME-CC	srgt environ	3/23/2018	Organic	Phenol-d5	n/a	=	1.52	µg/L	EPA 8270C	-88	-88			
2017/18-3	ME-CC	srgt environ, rec	3/23/2018	Organic	Phenol-d5	n/a	=	15	%	EPA 8270C	-88	-88	5	46	
2017/18-3	ME-SCR	srgt environ	3/22/2018	Organic	Phenol-d5	n/a	=	42.7	µg/L	EPA 625	-88	-88			
2017/18-3	ME-SCR	srgt environ, rec	3/22/2018	Organic	Phenol-d5	n/a	=	34	%	EPA 625	-88	-88	0.1	53	
2017/18-3	ME-SCR	srgt environ	3/23/2018	Organic	Phenol-d5	n/a	=	1.62	µg/L	EPA 8270C	-88	-88			
2017/18-3	ME-SCR	srgt environ, rec	3/23/2018	Organic	Phenol-d5	n/a	=	16	%	EPA 8270C	-88	-88	5	46	
2017/18-3	ME-VR2	srgt environ	3/22/2018	Organic	Phenol-d5	n/a	=	16	µg/L	EPA 625	-88	-88			
2017/18-3	ME-VR2	srgt environ, rec	3/22/2018	Organic	Phenol-d5	n/a	=	32	%	EPA 625	-88	-88	0.1	53	
2017/18-3	ME-VR2	srgt environ	3/23/2018	Organic	Phenol-d5	n/a	=	1.71	µg/L	EPA 8270C	-88	-88			
2017/18-3	ME-VR2	srgt environ, rec	3/23/2018	Organic	Phenol-d5	n/a	=	17	%	EPA 8270C	-88	-88	5	46	
2017/18-3	MO-CAM	srgt environ	3/22/2018	Organic	Phenol-d5	n/a	=	14.9	µg/L	EPA 625	-88	-88			
2017/18-3	MO-CAM	srgt environ, rec	3/22/2018	Organic	Phenol-d5	n/a	=	30	%	EPA 625	-88	-88	0.1	53	
2017/18-3	MO-CAM	srgt environ	3/23/2018	Organic	Phenol-d5	n/a	=	0.955	µg/L	EPA 8270C	-88	-88			
2017/18-3	MO-CAM	srgt environ, rec	3/23/2018	Organic	Phenol-d5	n/a	=	10	%	EPA 8270C	-88	-88	5	46	
2017/18-3	MO-FIL	srgt environ	3/22/2018	Organic	Phenol-d5	n/a	=	14.4	µg/L	EPA 625	-88	-88			
2017/18-3	MO-FIL	srgt environ, rec	3/22/2018	Organic	Phenol-d5	n/a	=	29	%	EPA 625	-88	-88	0.1	53	
2017/18-3	MO-FIL	srgt environ	3/23/2018	Organic	Phenol-d5	n/a	=	1.82	µg/L	EPA 8270C	-88	-88			
2017/18-3	MO-FIL	srgt environ, rec	3/23/2018	Organic	Phenol-d5	n/a	=	18	%	EPA 8270C	-88	-88	5	46	
2017/18-3	MO-HUE	srgt environ	3/22/2018	Organic	Phenol-d5	n/a	=	15.4	µg/L	EPA 625	-88	-88			
2017/18-3	MO-HUE	srgt environ, rec	3/22/2018	Organic	Phenol-d5	n/a	=	31	%	EPA 625	-88	-88	0.1	53	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-3	MO-HUE	srgt environ	3/23/2018	Organic	Phenol-d5	n/a	=	1.12	µg/L	EPA 8270C	-88	-88			
2017/18-3	MO-HUE	srgt environ, rec	3/23/2018	Organic	Phenol-d5	n/a	=	11	%	EPA 8270C	-88	-88	5	46	
2017/18-3	MO-MEI	srgt environ	3/22/2018	Organic	Phenol-d5	n/a	=	15.2	µg/L	EPA 625	-88	-88			
2017/18-3	MO-MEI	srgt environ, rec	3/22/2018	Organic	Phenol-d5	n/a	=	30	%	EPA 625	-88	-88	0.1	53	
2017/18-3	MO-MEI	srgt environ	3/23/2018	Organic	Phenol-d5	n/a	=	0.879	µg/L	EPA 8270C	-88	-88			
2017/18-3	MO-MEI	srgt environ, rec	3/23/2018	Organic	Phenol-d5	n/a	=	9	%	EPA 8270C	-88	-88	5	46	
2017/18-3	MO-MPK	srgt environ	3/22/2018	Organic	Phenol-d5	n/a	=	14	µg/L	EPA 625	-88	-88			
2017/18-3	MO-MPK	srgt environ, rec	3/22/2018	Organic	Phenol-d5	n/a	=	28	%	EPA 625	-88	-88	0.1	53	
2017/18-3	MO-MPK	srgt environ	3/23/2018	Organic	Phenol-d5	n/a	=	0.712	µg/L	EPA 8270C	-88	-88			
2017/18-3	MO-MPK	srgt environ, rec	3/23/2018	Organic	Phenol-d5	n/a	=	7	%	EPA 8270C	-88	-88	5	46	
2017/18-3	MO-OJA	srgt environ	3/22/2018	Organic	Phenol-d5	n/a	=	14.3	µg/L	EPA 625	-88	-88			
2017/18-3	MO-OJA	srgt environ, rec	3/22/2018	Organic	Phenol-d5	n/a	=	29	%	EPA 625	-88	-88	0.1	53	
2017/18-3	MO-OJA	srgt environ	3/23/2018	Organic	Phenol-d5	n/a	=	0.905	µg/L	EPA 8270C	-88	-88			
2017/18-3	MO-OJA	srgt environ, rec	3/23/2018	Organic	Phenol-d5	n/a	=	9	%	EPA 8270C	-88	-88	5	46	
2017/18-3	MO-OXN	srgt environ	3/22/2018	Organic	Phenol-d5	n/a	=	13.8	µg/L	EPA 625	-88	-88			
2017/18-3	MO-OXN	srgt environ, rec	3/22/2018	Organic	Phenol-d5	n/a	=	28	%	EPA 625	-88	-88	0.1	53	
2017/18-3	MO-OXN	srgt environ	3/23/2018	Organic	Phenol-d5	n/a	=	0.212	µg/L	EPA 8270C	-88	-88			GN
2017/18-3	MO-OXN	srgt environ, rec	3/23/2018	Organic	Phenol-d5	n/a	=	2	%	EPA 8270C	-88	-88	5	46	GN
2017/18-3	MO-SIM	srgt environ	3/22/2018	Organic	Phenol-d5	n/a	=	14.1	µg/L	EPA 625	-88	-88			
2017/18-3	MO-SIM	srgt environ, rec	3/22/2018	Organic	Phenol-d5	n/a	=	28	%	EPA 625	-88	-88	0.1	53	
2017/18-3	MO-SIM	srgt environ	3/23/2018	Organic	Phenol-d5	n/a	=	0.77	µg/L	EPA 8270C	-88	-88			
2017/18-3	MO-SIM	srgt environ, rec	3/23/2018	Organic	Phenol-d5	n/a	=	8	%	EPA 8270C	-88	-88	5	46	
2017/18-3	MO-SPA	srgt environ	3/22/2018	Organic	Phenol-d5	n/a	=	16.3	µg/L	EPA 625	-88	-88			
2017/18-3	MO-SPA	srgt environ, rec	3/22/2018	Organic	Phenol-d5	n/a	=	33	%	EPA 625	-88	-88	0.1	53	
2017/18-3	MO-SPA	srgt environ	3/23/2018	Organic	Phenol-d5	n/a	=	0.148	µg/L	EPA 8270C	-88	-88			GN
2017/18-3	MO-SPA	srgt environ, rec	3/23/2018	Organic	Phenol-d5	n/a	=	1	%	EPA 8270C	-88	-88	5	46	GN
2017/18-3	MO-THO	srgt environ	3/22/2018	Organic	Phenol-d5	n/a	=	14.5	µg/L	EPA 625	-88	-88			
2017/18-3	MO-THO	srgt environ, rec	3/22/2018	Organic	Phenol-d5	n/a	=	29	%	EPA 625	-88	-88	0.1	53	
2017/18-3	MO-THO	srgt environ	3/23/2018	Organic	Phenol-d5	n/a	=	1.7	µg/L	EPA 8270C	-88	-88			
2017/18-3	MO-THO	srgt environ, rec	3/23/2018	Organic	Phenol-d5	n/a	=	17	%	EPA 8270C	-88	-88	5	46	
2017/18-3	MO-VEN	srgt environ	3/22/2018	Organic	Phenol-d5	n/a	=	15.4	µg/L	EPA 625	-88	-88			
2017/18-3	MO-VEN	srgt environ, rec	3/22/2018	Organic	Phenol-d5	n/a	=	31	%	EPA 625	-88	-88	0.1	53	
2017/18-3	MO-VEN	srgt environ	3/23/2018	Organic	Phenol-d5	n/a	=	0.269	µg/L	EPA 8270C	-88	-88			GN
2017/18-3	MO-VEN	srgt environ, rec	3/23/2018	Organic	Phenol-d5	n/a	=	3	%	EPA 8270C	-88	-88	5	46	GN
2017/18-3	Lab	srgt method blank	3/22/2018	Organic	p-Terphenyl-d14	n/a	=	15.3	µg/L	EPA 625	-88	-88			
2017/18-3	Lab	srgt method blank, rec	3/22/2018	Organic	p-Terphenyl-d14	n/a	=	61	%	EPA 625	-88	-88	28	113	
2017/18-3	Lab	srgt LCS	3/22/2018	Organic	p-Terphenyl-d14	n/a	=	20.5	µg/L	EPA 625	-88	-88			
2017/18-3	Lab	srgt LCS, rec	3/22/2018	Organic	p-Terphenyl-d14	n/a	=	82	%	EPA 625	-88	-88	28	113	
2017/18-3	Lab	srgt LCS dup	3/22/2018	Organic	p-Terphenyl-d14	n/a	=	18.7	µg/L	EPA 625	-88	-88			
2017/18-3	Lab	srgt LCS dup, rec	3/22/2018	Organic	p-Terphenyl-d14	n/a	=	75	%	EPA 625	-88	-88	28	113	
2017/18-3	Lab	srgt method blank	3/27/2018	Organic	p-Terphenyl-d14	n/a	=	3.56	µg/L	EPA 8270C	-88	-88			
2017/18-3	Lab	srgt method blank, rec	3/27/2018	Organic	p-Terphenyl-d14	n/a	=	71	%	EPA 8270C	-88	-88	19	134	
2017/18-3	Lab	srgt LCS	3/27/2018	Organic	p-Terphenyl-d14	n/a	=	4.16	µg/L	EPA 8270C	-88	-88			
2017/18-3	Lab	srgt LCS, rec	3/27/2018	Organic	p-Terphenyl-d14	n/a	=	83	%	EPA 8270C	-88	-88	19	134	
2017/18-3	Lab	srgt LCS dup	3/27/2018	Organic	p-Terphenyl-d14	n/a	=	4.18	µg/L	EPA 8270C	-88	-88			
2017/18-3	Lab	srgt LCS dup, rec	3/27/2018	Organic	p-Terphenyl-d14	n/a	=	84	%	EPA 8270C	-88	-88	19	134	
2017/18-3	ME-CC	srgt environ	3/22/2018	Organic	p-Terphenyl-d14	n/a	=	18.6	µg/L	EPA 625	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-3	ME-CC	srgt environ, rec	3/22/2018	Organic	p-Terphenyl-d14	n/a	=	74	%	EPA 625	-88	-88	28	113	
2017/18-3	ME-CC	srgt environ	3/27/2018	Organic	p-Terphenyl-d14	n/a	=	3.25	µg/L	EPA 8270C	-88	-88			
2017/18-3	ME-CC	srgt environ, rec	3/27/2018	Organic	p-Terphenyl-d14	n/a	=	65	%	EPA 8270C	-88	-88	19	134	
2017/18-3	ME-SCR	srgt environ	3/22/2018	Organic	p-Terphenyl-d14	n/a	=	49.8	µg/L	EPA 625	-88	-88			
2017/18-3	ME-SCR	srgt environ, rec	3/22/2018	Organic	p-Terphenyl-d14	n/a	=	80	%	EPA 625	-88	-88	28	113	
2017/18-3	ME-SCR	srgt environ	3/27/2018	Organic	p-Terphenyl-d14	n/a	=	3.93	µg/L	EPA 8270C	-88	-88			
2017/18-3	ME-SCR	srgt environ, rec	3/27/2018	Organic	p-Terphenyl-d14	n/a	=	79	%	EPA 8270C	-88	-88	19	134	
2017/18-3	ME-VR2	srgt environ	3/22/2018	Organic	p-Terphenyl-d14	n/a	=	18.1	µg/L	EPA 625	-88	-88			
2017/18-3	ME-VR2	srgt environ, rec	3/22/2018	Organic	p-Terphenyl-d14	n/a	=	72	%	EPA 625	-88	-88	28	113	
2017/18-3	ME-VR2	srgt environ	3/27/2018	Organic	p-Terphenyl-d14	n/a	=	4.04	µg/L	EPA 8270C	-88	-88			
2017/18-3	ME-VR2	srgt environ, rec	3/27/2018	Organic	p-Terphenyl-d14	n/a	=	81	%	EPA 8270C	-88	-88	19	134	
2017/18-3	MO-CAM	srgt environ	3/22/2018	Organic	p-Terphenyl-d14	n/a	=	17.5	µg/L	EPA 625	-88	-88			
2017/18-3	MO-CAM	srgt environ, rec	3/22/2018	Organic	p-Terphenyl-d14	n/a	=	70	%	EPA 625	-88	-88	28	113	
2017/18-3	MO-CAM	srgt environ	3/27/2018	Organic	p-Terphenyl-d14	n/a	=	3.96	µg/L	EPA 8270C	-88	-88			
2017/18-3	MO-CAM	srgt environ, rec	3/27/2018	Organic	p-Terphenyl-d14	n/a	=	79	%	EPA 8270C	-88	-88	19	134	
2017/18-3	MO-FIL	srgt environ	3/22/2018	Organic	p-Terphenyl-d14	n/a	=	21.6	µg/L	EPA 625	-88	-88			
2017/18-3	MO-FIL	srgt environ, rec	3/22/2018	Organic	p-Terphenyl-d14	n/a	=	86	%	EPA 625	-88	-88	28	113	
2017/18-3	MO-FIL	srgt environ	3/27/2018	Organic	p-Terphenyl-d14	n/a	=	3.89	µg/L	EPA 8270C	-88	-88			
2017/18-3	MO-FIL	srgt environ, rec	3/27/2018	Organic	p-Terphenyl-d14	n/a	=	78	%	EPA 8270C	-88	-88	19	134	
2017/18-3	MO-HUE	srgt environ	3/22/2018	Organic	p-Terphenyl-d14	n/a	=	18.5	µg/L	EPA 625	-88	-88			
2017/18-3	MO-HUE	srgt environ, rec	3/22/2018	Organic	p-Terphenyl-d14	n/a	=	74	%	EPA 625	-88	-88	28	113	
2017/18-3	MO-HUE	srgt environ	3/27/2018	Organic	p-Terphenyl-d14	n/a	=	3.99	µg/L	EPA 8270C	-88	-88			
2017/18-3	MO-HUE	srgt environ, rec	3/27/2018	Organic	p-Terphenyl-d14	n/a	=	80	%	EPA 8270C	-88	-88	19	134	
2017/18-3	MO-MEI	srgt environ	3/22/2018	Organic	p-Terphenyl-d14	n/a	=	20	µg/L	EPA 625	-88	-88			
2017/18-3	MO-MEI	srgt environ, rec	3/22/2018	Organic	p-Terphenyl-d14	n/a	=	80	%	EPA 625	-88	-88	28	113	
2017/18-3	MO-MEI	srgt environ	3/27/2018	Organic	p-Terphenyl-d14	n/a	=	3.55	µg/L	EPA 8270C	-88	-88			
2017/18-3	MO-MEI	srgt environ, rec	3/27/2018	Organic	p-Terphenyl-d14	n/a	=	71	%	EPA 8270C	-88	-88	19	134	
2017/18-3	MO-MPK	srgt environ	3/22/2018	Organic	p-Terphenyl-d14	n/a	=	17.7	µg/L	EPA 625	-88	-88			
2017/18-3	MO-MPK	srgt environ, rec	3/22/2018	Organic	p-Terphenyl-d14	n/a	=	71	%	EPA 625	-88	-88	28	113	
2017/18-3	MO-MPK	srgt environ	3/27/2018	Organic	p-Terphenyl-d14	n/a	=	3.89	µg/L	EPA 8270C	-88	-88			
2017/18-3	MO-MPK	srgt environ, rec	3/27/2018	Organic	p-Terphenyl-d14	n/a	=	78	%	EPA 8270C	-88	-88	19	134	
2017/18-3	MO-OJA	srgt environ	3/22/2018	Organic	p-Terphenyl-d14	n/a	=	19.4	µg/L	EPA 625	-88	-88			
2017/18-3	MO-OJA	srgt environ, rec	3/22/2018	Organic	p-Terphenyl-d14	n/a	=	78	%	EPA 625	-88	-88	28	113	
2017/18-3	MO-OJA	srgt environ	3/27/2018	Organic	p-Terphenyl-d14	n/a	=	3.71	µg/L	EPA 8270C	-88	-88			
2017/18-3	MO-OJA	srgt environ, rec	3/27/2018	Organic	p-Terphenyl-d14	n/a	=	74	%	EPA 8270C	-88	-88	19	134	
2017/18-3	MO-OXN	srgt environ	3/22/2018	Organic	p-Terphenyl-d14	n/a	=	17.1	µg/L	EPA 625	-88	-88			
2017/18-3	MO-OXN	srgt environ, rec	3/22/2018	Organic	p-Terphenyl-d14	n/a	=	69	%	EPA 625	-88	-88	28	113	
2017/18-3	MO-OXN	srgt environ	3/27/2018	Organic	p-Terphenyl-d14	n/a	=	4.21	µg/L	EPA 8270C	-88	-88			
2017/18-3	MO-OXN	srgt environ, rec	3/27/2018	Organic	p-Terphenyl-d14	n/a	=	84	%	EPA 8270C	-88	-88	19	134	
2017/18-3	MO-SIM	srgt environ	3/22/2018	Organic	p-Terphenyl-d14	n/a	=	18.9	µg/L	EPA 625	-88	-88			
2017/18-3	MO-SIM	srgt environ, rec	3/22/2018	Organic	p-Terphenyl-d14	n/a	=	76	%	EPA 625	-88	-88	28	113	
2017/18-3	MO-SIM	srgt environ	3/27/2018	Organic	p-Terphenyl-d14	n/a	=	3.85	µg/L	EPA 8270C	-88	-88			
2017/18-3	MO-SIM	srgt environ, rec	3/27/2018	Organic	p-Terphenyl-d14	n/a	=	77	%	EPA 8270C	-88	-88	19	134	
2017/18-3	MO-SPA	srgt environ	3/22/2018	Organic	p-Terphenyl-d14	n/a	=	19	µg/L	EPA 625	-88	-88			
2017/18-3	MO-SPA	srgt environ, rec	3/22/2018	Organic	p-Terphenyl-d14	n/a	=	76	%	EPA 625	-88	-88	28	113	
2017/18-3	MO-SPA	srgt environ	3/27/2018	Organic	p-Terphenyl-d14	n/a	=	4.01	µg/L	EPA 8270C	-88	-88			
2017/18-3	MO-SPA	srgt environ, rec	3/27/2018	Organic	p-Terphenyl-d14	n/a	=	80	%	EPA 8270C	-88	-88	19	134	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-3	MO-THO	srgt environ	3/22/2018	Organic	p-Terphenyl-d14	n/a	=	20.6	µg/L	EPA 625	-88	-88			
2017/18-3	MO-THO	srgt environ, rec	3/22/2018	Organic	p-Terphenyl-d14	n/a	=	82	%	EPA 625	-88	-88	28	113	
2017/18-3	MO-THO	srgt environ	3/27/2018	Organic	p-Terphenyl-d14	n/a	=	4.11	µg/L	EPA 8270C	-88	-88			
2017/18-3	MO-THO	srgt environ, rec	3/27/2018	Organic	p-Terphenyl-d14	n/a	=	82	%	EPA 8270C	-88	-88	19	134	
2017/18-3	MO-VEN	srgt environ	3/22/2018	Organic	p-Terphenyl-d14	n/a	=	17	µg/L	EPA 625	-88	-88			
2017/18-3	MO-VEN	srgt environ, rec	3/22/2018	Organic	p-Terphenyl-d14	n/a	=	68	%	EPA 625	-88	-88	28	113	
2017/18-3	MO-VEN	srgt environ	3/27/2018	Organic	p-Terphenyl-d14	n/a	=	4.21	µg/L	EPA 8270C	-88	-88			
2017/18-3	MO-VEN	srgt environ, rec	3/27/2018	Organic	p-Terphenyl-d14	n/a	=	84	%	EPA 8270C	-88	-88	19	134	
2017/18-3	Lab	method blank	3/22/2018	Organic	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2017/18-3	Lab	LCS	3/22/2018	Organic	Pyrene	n/a	=	20.7	µg/L	EPA 625	0.25	1			
2017/18-3	Lab	LCS, rec	3/22/2018	Organic	Pyrene	n/a	=	83	%	EPA 625	-88	-88	52	115	
2017/18-3	Lab	LCS dup	3/22/2018	Organic	Pyrene	n/a	=	19	µg/L	EPA 625	0.25	1			
2017/18-3	Lab	LCS dup, rec	3/22/2018	Organic	Pyrene	n/a	=	76	%	EPA 625	-88	-88	52	115	
2017/18-3	Lab	LCS, RPD	3/22/2018	Organic	Pyrene	n/a	=	9	%	EPA 625	-88	-88	0	30	
2017/18-3	Lab	method blank	3/27/2018	Organic	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-3	Lab	LCS	3/27/2018	Organic	Pyrene	n/a	=	8.36	µg/L	EPA 8270C	0.1	0.1			
2017/18-3	Lab	LCS, rec	3/27/2018	Organic	Pyrene	n/a	=	84	%	EPA 8270C	-88	-88	26	128	
2017/18-3	Lab	LCS dup	3/27/2018	Organic	Pyrene	n/a	=	8.06	µg/L	EPA 8270C	0.1	0.1			
2017/18-3	Lab	LCS dup, rec	3/27/2018	Organic	Pyrene	n/a	=	81	%	EPA 8270C	-88	-88	26	128	
2017/18-3	Lab	LCS, RPD	3/27/2018	Organic	Pyrene	n/a	=	4	%	EPA 8270C	-88	-88	0	30	
2017/18-3	Lab	srgt method blank	3/24/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0853	µg/L	EPA 608	-88	-88			
2017/18-3	Lab	srgt method blank, rec	3/24/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	85	%	EPA 608	-88	-88	35	111	
2017/18-3	Lab	srgt LCS	3/24/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0719	µg/L	EPA 608	-88	-88			
2017/18-3	Lab	srgt LCS, rec	3/24/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	72	%	EPA 608	-88	-88	35	111	
2017/18-3	Lab	srgt LCS dup	3/24/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0615	µg/L	EPA 608	-88	-88			
2017/18-3	Lab	srgt LCS dup, rec	3/24/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	62	%	EPA 608	-88	-88	35	111	
2017/18-3	ME-CC	srgt environ	3/24/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0741	µg/L	EPA 608	-88	-88			
2017/18-3	ME-CC	srgt environ, rec	3/24/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	74	%	EPA 608	-88	-88	35	111	
2017/18-3	ME-SCR	srgt environ	3/24/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0594	µg/L	EPA 608	-88	-88			
2017/18-3	ME-SCR	srgt environ, rec	3/24/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	59	%	EPA 608	-88	-88	35	111	
2017/18-3	ME-VR2	srgt environ	3/24/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0734	µg/L	EPA 608	-88	-88			
2017/18-3	ME-VR2	srgt environ, rec	3/24/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	73	%	EPA 608	-88	-88	35	111	
2017/18-3	MO-CAM	srgt environ	3/24/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0699	µg/L	EPA 608	-88	-88			
2017/18-3	MO-CAM	srgt environ, rec	3/24/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	70	%	EPA 608	-88	-88	35	111	
2017/18-3	MO-FIL	srgt environ	3/24/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.052	µg/L	EPA 608	-88	-88			
2017/18-3	MO-FIL	srgt environ, rec	3/24/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	52	%	EPA 608	-88	-88	35	111	
2017/18-3	MO-HUE	srgt environ	3/25/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0575	µg/L	EPA 608	-88	-88			
2017/18-3	MO-HUE	srgt environ, rec	3/25/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	58	%	EPA 608	-88	-88	35	111	
2017/18-3	MO-MEI	srgt environ	3/25/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.061	µg/L	EPA 608	-88	-88			
2017/18-3	MO-MEI	srgt environ, rec	3/25/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	61	%	EPA 608	-88	-88	35	111	
2017/18-3	MO-MPK	srgt environ	3/24/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0666	µg/L	EPA 608	-88	-88			
2017/18-3	MO-MPK	srgt environ, rec	3/24/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	67	%	EPA 608	-88	-88	35	111	
2017/18-3	MO-OJA	srgt environ	3/25/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0785	µg/L	EPA 608	-88	-88			
2017/18-3	MO-OJA	srgt environ, rec	3/25/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	78	%	EPA 608	-88	-88	35	111	
2017/18-3	MO-OXN	srgt environ	3/24/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.064	µg/L	EPA 608	-88	-88			
2017/18-3	MO-OXN	srgt environ, rec	3/24/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	64	%	EPA 608	-88	-88	35	111	
2017/18-3	MO-SIM	srgt environ	3/24/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0725	µg/L	EPA 608	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-3	MO-SIM	srgt environ, rec	3/24/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	72	%	EPA 608	-88	-88	35	111	
2017/18-3	MO-SPA	srgt environ	3/25/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0683	µg/L	EPA 608	-88	-88			
2017/18-3	MO-SPA	srgt environ, rec	3/25/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	68	%	EPA 608	-88	-88	35	111	
2017/18-3	MO-THO	srgt environ	3/24/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0676	µg/L	EPA 608	-88	-88			
2017/18-3	MO-THO	srgt environ, rec	3/24/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	68	%	EPA 608	-88	-88	35	111	
2017/18-3	MO-VEN	srgt environ	3/24/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0777	µg/L	EPA 608	-88	-88			
2017/18-3	MO-VEN	srgt environ, rec	3/24/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	78	%	EPA 608	-88	-88	35	111	
2017/18-3	Lab	srgt LCS	3/13/2018	Organic	Toluene-d8	n/a	=	52.3	µg/L	EPA 624	-88	-88			
2017/18-3	Lab	srgt LCS, rec	3/13/2018	Organic	Toluene-d8	n/a	=	105	%	EPA 624	-88	-88	92	112	
2017/18-3	Lab	srgt LCS dup	3/13/2018	Organic	Toluene-d8	n/a	=	52.8	µg/L	EPA 624	-88	-88			
2017/18-3	Lab	srgt LCS dup, rec	3/13/2018	Organic	Toluene-d8	n/a	=	106	%	EPA 624	-88	-88	92	112	
2017/18-3	Lab	srgt method blank	3/13/2018	Organic	Toluene-d8	n/a	=	52.2	µg/L	EPA 624	-88	-88			
2017/18-3	Lab	srgt method blank, rec	3/13/2018	Organic	Toluene-d8	n/a	=	104	%	EPA 624	-88	-88	92	112	
2017/18-3	ME-CC	srgt environ	3/13/2018	Organic	Toluene-d8	n/a	=	51.9	µg/L	EPA 624	-88	-88			
2017/18-3	ME-CC	srgt environ, rec	3/13/2018	Organic	Toluene-d8	n/a	=	104	%	EPA 624	-88	-88	92	112	
2017/18-3	ME-CC	srgt field duplicate	3/13/2018	Organic	Toluene-d8	n/a	=	52.4	µg/L	EPA 624	-88	-88			
2017/18-3	ME-CC	srgt field duplicate, rec	3/13/2018	Organic	Toluene-d8	n/a	=	105	%	EPA 624	-88	-88	92	112	
2017/18-3	ME-SCR	srgt environ	3/13/2018	Organic	Toluene-d8	n/a	=	52.5	µg/L	EPA 624	-88	-88			
2017/18-3	ME-SCR	srgt environ, rec	3/13/2018	Organic	Toluene-d8	n/a	=	105	%	EPA 624	-88	-88	92	112	
2017/18-3	ME-VR2	srgt environ	3/13/2018	Organic	Toluene-d8	n/a	=	52.2	µg/L	EPA 624	-88	-88			
2017/18-3	ME-VR2	srgt environ, rec	3/13/2018	Organic	Toluene-d8	n/a	=	104	%	EPA 624	-88	-88	92	112	
2017/18-3	MO-CAM	srgt environ	3/13/2018	Organic	Toluene-d8	n/a	=	52.3	µg/L	EPA 624	-88	-88			
2017/18-3	MO-CAM	srgt environ, rec	3/13/2018	Organic	Toluene-d8	n/a	=	105	%	EPA 624	-88	-88	92	112	
2017/18-3	MO-FIL	srgt environ	3/13/2018	Organic	Toluene-d8	n/a	=	52	µg/L	EPA 624	-88	-88			
2017/18-3	MO-FIL	srgt environ, rec	3/13/2018	Organic	Toluene-d8	n/a	=	104	%	EPA 624	-88	-88	92	112	
2017/18-3	MO-HUE	srgt environ	3/13/2018	Organic	Toluene-d8	n/a	=	52.4	µg/L	EPA 624	-88	-88			
2017/18-3	MO-HUE	srgt environ, rec	3/13/2018	Organic	Toluene-d8	n/a	=	105	%	EPA 624	-88	-88	92	112	
2017/18-3	MO-MEI	srgt environ	3/13/2018	Organic	Toluene-d8	n/a	=	52	µg/L	EPA 624	-88	-88			
2017/18-3	MO-MEI	srgt environ, rec	3/13/2018	Organic	Toluene-d8	n/a	=	104	%	EPA 624	-88	-88	92	112	
2017/18-3	MO-MPK	srgt environ	3/13/2018	Organic	Toluene-d8	n/a	=	51.9	µg/L	EPA 624	-88	-88			
2017/18-3	MO-MPK	srgt environ, rec	3/13/2018	Organic	Toluene-d8	n/a	=	104	%	EPA 624	-88	-88	92	112	
2017/18-3	MO-MPK	srgt matrix spike	3/13/2018	Organic	Toluene-d8	n/a	=	52.6	µg/L	EPA 624	-88	-88			
2017/18-3	MO-MPK	srgt matrix spike, rec	3/13/2018	Organic	Toluene-d8	n/a	=	105	%	EPA 624	-88	-88	92	112	
2017/18-3	MO-MPK	srgt matrix spike dup	3/13/2018	Organic	Toluene-d8	n/a	=	52.4	µg/L	EPA 624	-88	-88			
2017/18-3	MO-MPK	srgt matrix spike dup, rec	3/13/2018	Organic	Toluene-d8	n/a	=	105	%	EPA 624	-88	-88	92	112	
2017/18-3	MO-OJA	srgt environ	3/13/2018	Organic	Toluene-d8	n/a	=	52.3	µg/L	EPA 624	-88	-88			
2017/18-3	MO-OJA	srgt environ, rec	3/13/2018	Organic	Toluene-d8	n/a	=	105	%	EPA 624	-88	-88	92	112	
2017/18-3	MO-OXN	srgt environ	3/13/2018	Organic	Toluene-d8	n/a	=	52.4	µg/L	EPA 624	-88	-88			
2017/18-3	MO-OXN	srgt environ, rec	3/13/2018	Organic	Toluene-d8	n/a	=	105	%	EPA 624	-88	-88	92	112	
2017/18-3	MO-SIM	srgt environ	3/13/2018	Organic	Toluene-d8	n/a	=	52.6	µg/L	EPA 624	-88	-88			
2017/18-3	MO-SIM	srgt environ, rec	3/13/2018	Organic	Toluene-d8	n/a	=	105	%	EPA 624	-88	-88	92	112	
2017/18-3	MO-SPA	srgt environ	3/13/2018	Organic	Toluene-d8	n/a	=	52.3	µg/L	EPA 624	-88	-88			
2017/18-3	MO-SPA	srgt environ, rec	3/13/2018	Organic	Toluene-d8	n/a	=	105	%	EPA 624	-88	-88	92	112	
2017/18-3	MO-THO	srgt environ	3/13/2018	Organic	Toluene-d8	n/a	=	52.1	µg/L	EPA 624	-88	-88			
2017/18-3	MO-THO	srgt environ, rec	3/13/2018	Organic	Toluene-d8	n/a	=	104	%	EPA 624	-88	-88	92	112	
2017/18-3	MO-VEN	srgt environ	3/13/2018	Organic	Toluene-d8	n/a	=	52.1	µg/L	EPA 624	-88	-88			
2017/18-3	MO-VEN	srgt environ, rec	3/13/2018	Organic	Toluene-d8	n/a	=	104	%	EPA 624	-88	-88	92	112	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-3	000NONPJ	srgt matrix spike	3/19/2018	Organic	Triphenylphosphate	n/a	=	0.663	µg/L	EPA 525.2m	-88	-88			
2017/18-3	000NONPJ	srgt matrix spike, rec	3/19/2018	Organic	Triphenylphosphate	n/a	=	133	%	EPA 525.2m	-88	-88	40	163	
2017/18-3	000NONPJ	srgt matrix spike dup	3/19/2018	Organic	Triphenylphosphate	n/a	=	0.613	µg/L	EPA 525.2m	-88	-88			
2017/18-3	000NONPJ	srgt matrix spike dup, rec	3/19/2018	Organic	Triphenylphosphate	n/a	=	123	%	EPA 525.2m	-88	-88	40	163	
2017/18-3	Lab	srgt method blank	3/19/2018	Organic	Triphenylphosphate	n/a	=	0.55	µg/L	EPA 525.2m	-88	-88			
2017/18-3	Lab	srgt method blank, rec	3/19/2018	Organic	Triphenylphosphate	n/a	=	110	%	EPA 525.2m	-88	-88	40	163	
2017/18-3	Lab	srgt LCS	3/19/2018	Organic	Triphenylphosphate	n/a	=	0.457	µg/L	EPA 525.2m	-88	-88			
2017/18-3	Lab	srgt LCS, rec	3/19/2018	Organic	Triphenylphosphate	n/a	=	91	%	EPA 525.2m	-88	-88	40	163	
2017/18-3	Lab	srgt method blank	3/21/2018	Organic	Triphenylphosphate	n/a	=	0.657	µg/L	EPA 525.2m	-88	-88			
2017/18-3	Lab	srgt method blank, rec	3/21/2018	Organic	Triphenylphosphate	n/a	=	131	%	EPA 525.2m	-88	-88	40	163	
2017/18-3	Lab	srgt LCS	3/21/2018	Organic	Triphenylphosphate	n/a	=	0.531	µg/L	EPA 525.2m	-88	-88			
2017/18-3	Lab	srgt LCS, rec	3/21/2018	Organic	Triphenylphosphate	n/a	=	106	%	EPA 525.2m	-88	-88	40	163	
2017/18-3	Lab	srgt method blank	3/22/2018	Organic	Triphenylphosphate	n/a	=	4.59	µg/L	EPA 525.2	-88	-88			
2017/18-3	Lab	srgt method blank, rec	3/22/2018	Organic	Triphenylphosphate	n/a	=	92	%	EPA 525.2	-88	-88	70	130	
2017/18-3	Lab	srgt LCS	3/22/2018	Organic	Triphenylphosphate	n/a	=	5.25	µg/L	EPA 525.2	-88	-88			
2017/18-3	Lab	srgt LCS, rec	3/22/2018	Organic	Triphenylphosphate	n/a	=	105	%	EPA 525.2	-88	-88	70	130	
2017/18-3	Lab	srgt LCS dup	3/22/2018	Organic	Triphenylphosphate	n/a	=	5.41	µg/L	EPA 525.2	-88	-88			
2017/18-3	Lab	srgt LCS dup, rec	3/22/2018	Organic	Triphenylphosphate	n/a	=	108	%	EPA 525.2	-88	-88	70	130	
2017/18-3	ME-CC	srgt environ	3/19/2018	Organic	Triphenylphosphate	n/a	=	3.9	µg/L	EPA 525.2m	-88	-88			
2017/18-3	ME-CC	srgt environ, rec	3/19/2018	Organic	Triphenylphosphate	n/a	=	156	%	EPA 525.2m	-88	-88	40	163	
2017/18-3	ME-CC	srgt environ	3/22/2018	Organic	Triphenylphosphate	n/a	=	28	µg/L	EPA 525.2	-88	-88			
2017/18-3	ME-CC	srgt environ, rec	3/22/2018	Organic	Triphenylphosphate	n/a	=	112	%	EPA 525.2	-88	-88	70	130	
2017/18-3	ME-SCR	srgt environ	3/19/2018	Organic	Triphenylphosphate	n/a	=	3.2	µg/L	EPA 525.2m	-88	-88			
2017/18-3	ME-SCR	srgt environ, rec	3/19/2018	Organic	Triphenylphosphate	n/a	=	128	%	EPA 525.2m	-88	-88	40	163	
2017/18-3	ME-SCR	srgt environ	3/22/2018	Organic	Triphenylphosphate	n/a	=	26.5	µg/L	EPA 525.2	-88	-88			
2017/18-3	ME-SCR	srgt environ, rec	3/22/2018	Organic	Triphenylphosphate	n/a	=	106	%	EPA 525.2	-88	-88	70	130	
2017/18-3	ME-VR2	srgt environ	3/19/2018	Organic	Triphenylphosphate	n/a	=	3.14	µg/L	EPA 525.2m	-88	-88			
2017/18-3	ME-VR2	srgt environ, rec	3/19/2018	Organic	Triphenylphosphate	n/a	=	125	%	EPA 525.2m	-88	-88	40	163	
2017/18-3	ME-VR2	srgt environ	3/22/2018	Organic	Triphenylphosphate	n/a	=	28.2	µg/L	EPA 525.2	-88	-88			
2017/18-3	ME-VR2	srgt environ, rec	3/22/2018	Organic	Triphenylphosphate	n/a	=	113	%	EPA 525.2	-88	-88	70	130	
2017/18-3	MO-CAM	srgt environ	3/19/2018	Organic	Triphenylphosphate	n/a	=	3.37	µg/L	EPA 525.2m	-88	-88			
2017/18-3	MO-CAM	srgt environ, rec	3/19/2018	Organic	Triphenylphosphate	n/a	=	135	%	EPA 525.2m	-88	-88	40	163	
2017/18-3	MO-CAM	srgt environ	3/22/2018	Organic	Triphenylphosphate	n/a	=	29	µg/L	EPA 525.2	-88	-88			
2017/18-3	MO-CAM	srgt environ, rec	3/22/2018	Organic	Triphenylphosphate	n/a	=	116	%	EPA 525.2	-88	-88	70	130	
2017/18-3	MO-FIL	srgt environ	3/19/2018	Organic	Triphenylphosphate	n/a	=	3.09	µg/L	EPA 525.2m	-88	-88			
2017/18-3	MO-FIL	srgt environ, rec	3/19/2018	Organic	Triphenylphosphate	n/a	=	123	%	EPA 525.2m	-88	-88	40	163	
2017/18-3	MO-FIL	srgt environ	3/22/2018	Organic	Triphenylphosphate	n/a	=	28.3	µg/L	EPA 525.2	-88	-88			
2017/18-3	MO-FIL	srgt environ, rec	3/22/2018	Organic	Triphenylphosphate	n/a	=	113	%	EPA 525.2	-88	-88	70	130	
2017/18-3	MO-HUE	srgt environ	3/21/2018	Organic	Triphenylphosphate	n/a	=	3.89	µg/L	EPA 525.2m	-88	-88			
2017/18-3	MO-HUE	srgt environ, rec	3/21/2018	Organic	Triphenylphosphate	n/a	=	156	%	EPA 525.2m	-88	-88	40	163	
2017/18-3	MO-HUE	srgt environ	3/22/2018	Organic	Triphenylphosphate	n/a	=	29.6	µg/L	EPA 525.2	-88	-88			
2017/18-3	MO-HUE	srgt environ, rec	3/22/2018	Organic	Triphenylphosphate	n/a	=	119	%	EPA 525.2	-88	-88	70	130	
2017/18-3	MO-MEI	srgt environ	3/21/2018	Organic	Triphenylphosphate	n/a	=	4	µg/L	EPA 525.2m	-88	-88			
2017/18-3	MO-MEI	srgt environ, rec	3/21/2018	Organic	Triphenylphosphate	n/a	=	160	%	EPA 525.2m	-88	-88	40	163	
2017/18-3	MO-MEI	srgt environ	3/22/2018	Organic	Triphenylphosphate	n/a	=	28.8	µg/L	EPA 525.2	-88	-88			
2017/18-3	MO-MEI	srgt environ, rec	3/22/2018	Organic	Triphenylphosphate	n/a	=	115	%	EPA 525.2	-88	-88	70	130	
2017/18-3	MO-MPK	srgt matrix spike	3/21/2018	Organic	Triphenylphosphate	n/a	=	3.43	µg/L	EPA 525.2m	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-3	MO-MPK	srgt matrix spike, rec	3/21/2018	Organic	Triphenylphosphate	n/a	=	137	%	EPA 525.2m	-88	-88	40	163	
2017/18-3	MO-MPK	srgt matrix spike dup	3/21/2018	Organic	Triphenylphosphate	n/a	=	2.84	µg/L	EPA 525.2m	-88	-88			
2017/18-3	MO-MPK	srgt matrix spike dup, rec	3/21/2018	Organic	Triphenylphosphate	n/a	=	113	%	EPA 525.2m	-88	-88	40	163	
2017/18-3	MO-MPK	srgt environ	3/21/2018	Organic	Triphenylphosphate	n/a	=	3.19	µg/L	EPA 525.2m	-88	-88			
2017/18-3	MO-MPK	srgt environ, rec	3/21/2018	Organic	Triphenylphosphate	n/a	=	128	%	EPA 525.2m	-88	-88	40	163	
2017/18-3	MO-MPK	srgt environ	3/22/2018	Organic	Triphenylphosphate	n/a	=	28.6	µg/L	EPA 525.2	-88	-88			
2017/18-3	MO-MPK	srgt environ, rec	3/22/2018	Organic	Triphenylphosphate	n/a	=	114	%	EPA 525.2	-88	-88	70	130	
2017/18-3	MO-OJA	srgt environ	3/21/2018	Organic	Triphenylphosphate	n/a	=	3.24	µg/L	EPA 525.2m	-88	-88			
2017/18-3	MO-OJA	srgt environ, rec	3/21/2018	Organic	Triphenylphosphate	n/a	=	130	%	EPA 525.2m	-88	-88	40	163	
2017/18-3	MO-OJA	srgt environ	3/22/2018	Organic	Triphenylphosphate	n/a	=	28.3	µg/L	EPA 525.2	-88	-88			
2017/18-3	MO-OJA	srgt environ, rec	3/22/2018	Organic	Triphenylphosphate	n/a	=	113	%	EPA 525.2	-88	-88	70	130	
2017/18-3	MO-OXN	srgt environ	3/21/2018	Organic	Triphenylphosphate	n/a	=	2.71	µg/L	EPA 525.2m	-88	-88			
2017/18-3	MO-OXN	srgt environ, rec	3/21/2018	Organic	Triphenylphosphate	n/a	=	109	%	EPA 525.2m	-88	-88	40	163	
2017/18-3	MO-OXN	srgt environ	3/22/2018	Organic	Triphenylphosphate	n/a	=	30.1	µg/L	EPA 525.2	-88	-88			
2017/18-3	MO-OXN	srgt environ, rec	3/22/2018	Organic	Triphenylphosphate	n/a	=	120	%	EPA 525.2	-88	-88	70	130	
2017/18-3	MO-SIM	srgt environ	3/19/2018	Organic	Triphenylphosphate	n/a	=	3.07	µg/L	EPA 525.2m	-88	-88			
2017/18-3	MO-SIM	srgt environ, rec	3/19/2018	Organic	Triphenylphosphate	n/a	=	123	%	EPA 525.2m	-88	-88	40	163	
2017/18-3	MO-SIM	srgt environ	3/22/2018	Organic	Triphenylphosphate	n/a	=	30	µg/L	EPA 525.2	-88	-88			
2017/18-3	MO-SIM	srgt environ, rec	3/22/2018	Organic	Triphenylphosphate	n/a	=	120	%	EPA 525.2	-88	-88	70	130	
2017/18-3	MO-SPA	srgt environ	3/21/2018	Organic	Triphenylphosphate	n/a	=	3.1	µg/L	EPA 525.2m	-88	-88			
2017/18-3	MO-SPA	srgt environ, rec	3/21/2018	Organic	Triphenylphosphate	n/a	=	124	%	EPA 525.2m	-88	-88	40	163	
2017/18-3	MO-SPA	srgt environ	3/22/2018	Organic	Triphenylphosphate	n/a	=	30	µg/L	EPA 525.2	-88	-88			
2017/18-3	MO-SPA	srgt environ, rec	3/22/2018	Organic	Triphenylphosphate	n/a	=	120	%	EPA 525.2	-88	-88	70	130	
2017/18-3	MO-THO	srgt environ	3/21/2018	Organic	Triphenylphosphate	n/a	=	3.94	µg/L	EPA 525.2m	-88	-88			
2017/18-3	MO-THO	srgt environ, rec	3/21/2018	Organic	Triphenylphosphate	n/a	=	157	%	EPA 525.2m	-88	-88	40	163	
2017/18-3	MO-THO	srgt environ	3/22/2018	Organic	Triphenylphosphate	n/a	=	28.1	µg/L	EPA 525.2	-88	-88			
2017/18-3	MO-THO	srgt environ, rec	3/22/2018	Organic	Triphenylphosphate	n/a	=	112	%	EPA 525.2	-88	-88	70	130	
2017/18-3	MO-VEN	srgt environ	3/19/2018	Organic	Triphenylphosphate	n/a	=	2.54	µg/L	EPA 525.2m	-88	-88			
2017/18-3	MO-VEN	srgt environ, rec	3/19/2018	Organic	Triphenylphosphate	n/a	=	102	%	EPA 525.2m	-88	-88	40	163	
2017/18-3	MO-VEN	srgt environ	3/22/2018	Organic	Triphenylphosphate	n/a	=	29.1	µg/L	EPA 525.2	-88	-88			
2017/18-3	MO-VEN	srgt environ, rec	3/22/2018	Organic	Triphenylphosphate	n/a	=	116	%	EPA 525.2	-88	-88	70	130	
2017/18-3	Lab	srgt method blank	3/24/2018	PCB	PCB 209	n/a	=	0.0875	µg/L	EPA 608	-88	-88			
2017/18-3	Lab	srgt method blank, rec	3/24/2018	PCB	PCB 209	n/a	=	88	%	EPA 608	-88	-88	34	125	
2017/18-3	Lab	srgt LCS	3/24/2018	PCB	PCB 209	n/a	=	0.0811	µg/L	EPA 608	-88	-88			
2017/18-3	Lab	srgt LCS, rec	3/24/2018	PCB	PCB 209	n/a	=	81	%	EPA 608	-88	-88	34	125	
2017/18-3	Lab	srgt LCS dup	3/24/2018	PCB	PCB 209	n/a	=	0.0836	µg/L	EPA 608	-88	-88			
2017/18-3	Lab	srgt LCS dup, rec	3/24/2018	PCB	PCB 209	n/a	=	84	%	EPA 608	-88	-88	34	125	
2017/18-3	ME-CC	srgt environ	3/24/2018	PCB	PCB 209	n/a	=	0.0644	µg/L	EPA 608	-88	-88			
2017/18-3	ME-CC	srgt environ, rec	3/24/2018	PCB	PCB 209	n/a	=	64	%	EPA 608	-88	-88	34	125	
2017/18-3	ME-SCR	srgt environ	3/24/2018	PCB	PCB 209	n/a	=	0.0625	µg/L	EPA 608	-88	-88			
2017/18-3	ME-SCR	srgt environ, rec	3/24/2018	PCB	PCB 209	n/a	=	63	%	EPA 608	-88	-88	34	125	
2017/18-3	ME-VR2	srgt environ	3/24/2018	PCB	PCB 209	n/a	=	0.0716	µg/L	EPA 608	-88	-88			
2017/18-3	ME-VR2	srgt environ, rec	3/24/2018	PCB	PCB 209	n/a	=	72	%	EPA 608	-88	-88	34	125	
2017/18-3	MO-CAM	srgt environ	3/24/2018	PCB	PCB 209	n/a	=	0.0457	µg/L	EPA 608	-88	-88			
2017/18-3	MO-CAM	srgt environ, rec	3/24/2018	PCB	PCB 209	n/a	=	46	%	EPA 608	-88	-88	34	125	
2017/18-3	MO-FIL	srgt environ	3/24/2018	PCB	PCB 209	n/a	=	0.0512	µg/L	EPA 608	-88	-88			
2017/18-3	MO-FIL	srgt environ, rec	3/24/2018	PCB	PCB 209	n/a	=	51	%	EPA 608	-88	-88	34	125	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-3	MO-HUE	srgt environ	3/25/2018	PCB	PCB 209	n/a	=	0.0743	µg/L	EPA 608	-88	-88			
2017/18-3	MO-HUE	srgt environ, rec	3/25/2018	PCB	PCB 209	n/a	=	74	%	EPA 608	-88	-88	34	125	
2017/18-3	MO-MEI	srgt environ	3/25/2018	PCB	PCB 209	n/a	=	0.063	µg/L	EPA 608	-88	-88			
2017/18-3	MO-MEI	srgt environ, rec	3/25/2018	PCB	PCB 209	n/a	=	63	%	EPA 608	-88	-88	34	125	
2017/18-3	MO-MPK	srgt environ	3/24/2018	PCB	PCB 209	n/a	=	0.0481	µg/L	EPA 608	-88	-88			
2017/18-3	MO-MPK	srgt environ, rec	3/24/2018	PCB	PCB 209	n/a	=	48	%	EPA 608	-88	-88	34	125	
2017/18-3	MO-OJA	srgt environ	3/25/2018	PCB	PCB 209	n/a	=	0.0592	µg/L	EPA 608	-88	-88			
2017/18-3	MO-OJA	srgt environ, rec	3/25/2018	PCB	PCB 209	n/a	=	59	%	EPA 608	-88	-88	34	125	
2017/18-3	MO-OXN	srgt environ	3/24/2018	PCB	PCB 209	n/a	=	0.0473	µg/L	EPA 608	-88	-88			
2017/18-3	MO-OXN	srgt environ, rec	3/24/2018	PCB	PCB 209	n/a	=	47	%	EPA 608	-88	-88	34	125	
2017/18-3	MO-SIM	srgt environ	3/24/2018	PCB	PCB 209	n/a	=	0.065	µg/L	EPA 608	-88	-88			
2017/18-3	MO-SIM	srgt environ, rec	3/24/2018	PCB	PCB 209	n/a	=	65	%	EPA 608	-88	-88	34	125	
2017/18-3	MO-SPA	srgt environ	3/25/2018	PCB	PCB 209	n/a	=	0.0624	µg/L	EPA 608	-88	-88			
2017/18-3	MO-SPA	srgt environ, rec	3/25/2018	PCB	PCB 209	n/a	=	62	%	EPA 608	-88	-88	34	125	
2017/18-3	MO-THO	srgt environ	3/24/2018	PCB	PCB 209	n/a	=	0.0684	µg/L	EPA 608	-88	-88			
2017/18-3	MO-THO	srgt environ, rec	3/24/2018	PCB	PCB 209	n/a	=	68	%	EPA 608	-88	-88	34	125	
2017/18-3	MO-VEN	srgt environ	3/24/2018	PCB	PCB 209	n/a	=	0.0566	µg/L	EPA 608	-88	-88			
2017/18-3	MO-VEN	srgt environ, rec	3/24/2018	PCB	PCB 209	n/a	=	57	%	EPA 608	-88	-88	34	125	
2017/18-3	000NONPJ	matrix spike	3/16/2018	Pesticide	2,4,5-T	n/a	=	4.72	µg/L	EPA 515.3	0.07	0.2			
2017/18-3	000NONPJ	matrix spike, rec	3/16/2018	Pesticide	2,4,5-T	n/a	=	118	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike dup	3/16/2018	Pesticide	2,4,5-T	n/a	=	4.5	µg/L	EPA 515.3	0.07	0.2			
2017/18-3	000NONPJ	matrix spike dup, rec	3/16/2018	Pesticide	2,4,5-T	n/a	=	112	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike, RPD	3/16/2018	Pesticide	2,4,5-T	n/a	=	5	%	EPA 515.3	-88	-88	0	30	
2017/18-3	000NONPJ	matrix spike	3/16/2018	Pesticide	2,4,5-T	n/a	=	3.17	µg/L	EPA 515.3	0.07	0.2			
2017/18-3	000NONPJ	matrix spike, rec	3/16/2018	Pesticide	2,4,5-T	n/a	=	79	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike dup	3/16/2018	Pesticide	2,4,5-T	n/a	=	3	µg/L	EPA 515.3	0.07	0.2			
2017/18-3	000NONPJ	matrix spike dup, rec	3/16/2018	Pesticide	2,4,5-T	n/a	=	75	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike, RPD	3/16/2018	Pesticide	2,4,5-T	n/a	=	6	%	EPA 515.3	-88	-88	0	30	
2017/18-3	000NONPJ	matrix spike	3/21/2018	Pesticide	2,4,5-T	n/a	=	4.26	µg/L	EPA 515.3	0.07	0.2			
2017/18-3	000NONPJ	matrix spike, rec	3/21/2018	Pesticide	2,4,5-T	n/a	=	106	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike dup	3/21/2018	Pesticide	2,4,5-T	n/a	=	4.6	µg/L	EPA 515.3	0.07	0.2			
2017/18-3	000NONPJ	matrix spike dup, rec	3/21/2018	Pesticide	2,4,5-T	n/a	=	115	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike, RPD	3/21/2018	Pesticide	2,4,5-T	n/a	=	8	%	EPA 515.3	-88	-88	0	30	
2017/18-3	Lab	method blank	3/16/2018	Pesticide	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2			
2017/18-3	Lab	LCS	3/16/2018	Pesticide	2,4,5-T	n/a	=	4.51	µg/L	EPA 515.3	0.07	0.2			
2017/18-3	Lab	LCS, rec	3/16/2018	Pesticide	2,4,5-T	n/a	=	113	%	EPA 515.3	-88	-88	70	130	
2017/18-3	Lab	method blank	3/21/2018	Pesticide	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2			
2017/18-3	Lab	LCS	3/21/2018	Pesticide	2,4,5-T	n/a	=	4.08	µg/L	EPA 515.3	0.07	0.2			
2017/18-3	Lab	LCS, rec	3/21/2018	Pesticide	2,4,5-T	n/a	=	102	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike	3/16/2018	Pesticide	2,4,5-TP	n/a	=	16.2	µg/L	EPA 515.3	0.09	0.2			GB
2017/18-3	000NONPJ	matrix spike, rec	3/16/2018	Pesticide	2,4,5-TP	n/a	=	405	%	EPA 515.3	-88	-88	70	130	GB
2017/18-3	000NONPJ	matrix spike dup	3/16/2018	Pesticide	2,4,5-TP	n/a	=	16.1	µg/L	EPA 515.3	0.09	0.2			GB
2017/18-3	000NONPJ	matrix spike dup, rec	3/16/2018	Pesticide	2,4,5-TP	n/a	=	403	%	EPA 515.3	-88	-88	70	130	GB
2017/18-3	000NONPJ	matrix spike, RPD	3/16/2018	Pesticide	2,4,5-TP	n/a	=	0.7	%	EPA 515.3	-88	-88	0	30	
2017/18-3	000NONPJ	matrix spike	3/16/2018	Pesticide	2,4,5-TP	n/a	=	3.87	µg/L	EPA 515.3	0.09	0.2			
2017/18-3	000NONPJ	matrix spike, rec	3/16/2018	Pesticide	2,4,5-TP	n/a	=	97	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike dup	3/16/2018	Pesticide	2,4,5-TP	n/a	=	3.41	µg/L	EPA 515.3	0.09	0.2			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-3	000NONPJ	matrix spike dup, rec	3/16/2018	Pesticide	2,4,5-TP	n/a	=	85	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike, RPD	3/16/2018	Pesticide	2,4,5-TP	n/a	=	13	%	EPA 515.3	-88	-88	0	30	
2017/18-3	000NONPJ	matrix spike	3/21/2018	Pesticide	2,4,5-TP	n/a	=	4.46	µg/L	EPA 515.3	0.09	0.2			
2017/18-3	000NONPJ	matrix spike, rec	3/21/2018	Pesticide	2,4,5-TP	n/a	=	112	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike dup	3/21/2018	Pesticide	2,4,5-TP	n/a	=	4.24	µg/L	EPA 515.3	0.09	0.2			
2017/18-3	000NONPJ	matrix spike dup, rec	3/21/2018	Pesticide	2,4,5-TP	n/a	=	106	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike, RPD	3/21/2018	Pesticide	2,4,5-TP	n/a	=	5	%	EPA 515.3	-88	-88	0	30	
2017/18-3	Lab	method blank	3/16/2018	Pesticide	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2			
2017/18-3	Lab	LCS	3/16/2018	Pesticide	2,4,5-TP	n/a	=	4.31	µg/L	EPA 515.3	0.09	0.2			
2017/18-3	Lab	LCS, rec	3/16/2018	Pesticide	2,4,5-TP	n/a	=	108	%	EPA 515.3	-88	-88	70	130	
2017/18-3	Lab	method blank	3/21/2018	Pesticide	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2			
2017/18-3	Lab	LCS	3/21/2018	Pesticide	2,4,5-TP	n/a	=	3.77	µg/L	EPA 515.3	0.09	0.2			
2017/18-3	Lab	LCS, rec	3/21/2018	Pesticide	2,4,5-TP	n/a	=	94	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike	3/16/2018	Pesticide	2,4-D	n/a	=	9.02	µg/L	EPA 515.3	0.07	0.4			
2017/18-3	000NONPJ	matrix spike, rec	3/16/2018	Pesticide	2,4-D	n/a	=	113	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike dup	3/16/2018	Pesticide	2,4-D	n/a	=	9.19	µg/L	EPA 515.3	0.07	0.4			
2017/18-3	000NONPJ	matrix spike dup, rec	3/16/2018	Pesticide	2,4-D	n/a	=	115	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike, RPD	3/16/2018	Pesticide	2,4-D	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2017/18-3	000NONPJ	matrix spike	3/16/2018	Pesticide	2,4-D	n/a	=	8.81	µg/L	EPA 515.3	0.07	0.4			
2017/18-3	000NONPJ	matrix spike, rec	3/16/2018	Pesticide	2,4-D	n/a	=	110	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike dup	3/16/2018	Pesticide	2,4-D	n/a	=	7.81	µg/L	EPA 515.3	0.07	0.4			
2017/18-3	000NONPJ	matrix spike dup, rec	3/16/2018	Pesticide	2,4-D	n/a	=	98	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike, RPD	3/16/2018	Pesticide	2,4-D	n/a	=	12	%	EPA 515.3	-88	-88	0	30	
2017/18-3	000NONPJ	matrix spike	3/21/2018	Pesticide	2,4-D	n/a	=	8.6	µg/L	EPA 515.3	0.07	0.4			
2017/18-3	000NONPJ	matrix spike, rec	3/21/2018	Pesticide	2,4-D	n/a	=	107	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike dup	3/21/2018	Pesticide	2,4-D	n/a	=	8.85	µg/L	EPA 515.3	0.07	0.4			
2017/18-3	000NONPJ	matrix spike dup, rec	3/21/2018	Pesticide	2,4-D	n/a	=	111	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike, RPD	3/21/2018	Pesticide	2,4-D	n/a	=	3	%	EPA 515.3	-88	-88	0	30	
2017/18-3	Lab	method blank	3/16/2018	Pesticide	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4			
2017/18-3	Lab	LCS	3/16/2018	Pesticide	2,4-D	n/a	=	10.2	µg/L	EPA 515.3	0.07	0.4			
2017/18-3	Lab	LCS, rec	3/16/2018	Pesticide	2,4-D	n/a	=	127	%	EPA 515.3	-88	-88	70	130	
2017/18-3	Lab	method blank	3/21/2018	Pesticide	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4			
2017/18-3	Lab	LCS	3/21/2018	Pesticide	2,4-D	n/a	=	8.11	µg/L	EPA 515.3	0.07	0.4			
2017/18-3	Lab	LCS, rec	3/21/2018	Pesticide	2,4-D	n/a	=	101	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike	3/16/2018	Pesticide	2,4-DB	n/a	=	20.7	µg/L	EPA 515.3	0.07	2			
2017/18-3	000NONPJ	matrix spike, rec	3/16/2018	Pesticide	2,4-DB	n/a	=	129	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike dup	3/16/2018	Pesticide	2,4-DB	n/a	=	18.9	µg/L	EPA 515.3	0.07	2			
2017/18-3	000NONPJ	matrix spike dup, rec	3/16/2018	Pesticide	2,4-DB	n/a	=	118	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike, RPD	3/16/2018	Pesticide	2,4-DB	n/a	=	9	%	EPA 515.3	-88	-88	0	30	
2017/18-3	000NONPJ	matrix spike	3/16/2018	Pesticide	2,4-DB	n/a	=	14	µg/L	EPA 515.3	0.07	2			
2017/18-3	000NONPJ	matrix spike, rec	3/16/2018	Pesticide	2,4-DB	n/a	=	88	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike dup	3/16/2018	Pesticide	2,4-DB	n/a	=	14.7	µg/L	EPA 515.3	0.07	2			
2017/18-3	000NONPJ	matrix spike dup, rec	3/16/2018	Pesticide	2,4-DB	n/a	=	92	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike, RPD	3/16/2018	Pesticide	2,4-DB	n/a	=	5	%	EPA 515.3	-88	-88	0	30	
2017/18-3	000NONPJ	matrix spike	3/21/2018	Pesticide	2,4-DB	n/a	=	11.4	µg/L	EPA 515.3	0.07	2			
2017/18-3	000NONPJ	matrix spike, rec	3/21/2018	Pesticide	2,4-DB	n/a	=	71	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike dup	3/21/2018	Pesticide	2,4-DB	n/a	=	17.2	µg/L	EPA 515.3	0.07	2			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-3	000NONPJ	matrix spike dup, rec	3/21/2018	Pesticide	2,4-DB	n/a	=	107	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike, RPD	3/21/2018	Pesticide	2,4-DB	n/a	=	41	%	EPA 515.3	-88	-88	0	30	IL
2017/18-3	Lab	method blank	3/16/2018	Pesticide	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2			
2017/18-3	Lab	LCS	3/16/2018	Pesticide	2,4-DB	n/a	=	19.1	µg/L	EPA 515.3	0.07	2			
2017/18-3	Lab	LCS, rec	3/16/2018	Pesticide	2,4-DB	n/a	=	119	%	EPA 515.3	-88	-88	70	130	
2017/18-3	Lab	method blank	3/21/2018	Pesticide	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2			
2017/18-3	Lab	LCS	3/21/2018	Pesticide	2,4-DB	n/a	=	15.2	µg/L	EPA 515.3	0.07	2			
2017/18-3	Lab	LCS, rec	3/21/2018	Pesticide	2,4-DB	n/a	=	95	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike	3/16/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	9.93	µg/L	EPA 515.3	0.09	1			
2017/18-3	000NONPJ	matrix spike, rec	3/16/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	124	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike dup	3/16/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	9.54	µg/L	EPA 515.3	0.09	1			
2017/18-3	000NONPJ	matrix spike dup, rec	3/16/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	119	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike, RPD	3/16/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	4	%	EPA 515.3	-88	-88	0	30	
2017/18-3	000NONPJ	matrix spike	3/16/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	9.06	µg/L	EPA 515.3	0.09	1			
2017/18-3	000NONPJ	matrix spike, rec	3/16/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	113	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike dup	3/16/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	8.32	µg/L	EPA 515.3	0.09	1			
2017/18-3	000NONPJ	matrix spike dup, rec	3/16/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	104	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike, RPD	3/16/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	9	%	EPA 515.3	-88	-88	0	30	
2017/18-3	000NONPJ	matrix spike	3/21/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	8.61	µg/L	EPA 515.3	0.09	1			
2017/18-3	000NONPJ	matrix spike, rec	3/21/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	108	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike dup	3/21/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	8.43	µg/L	EPA 515.3	0.09	1			
2017/18-3	000NONPJ	matrix spike dup, rec	3/21/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	105	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike, RPD	3/21/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2017/18-3	Lab	method blank	3/16/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1			
2017/18-3	Lab	LCS	3/16/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	10.4	µg/L	EPA 515.3	0.09	1			
2017/18-3	Lab	LCS, rec	3/16/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	130	%	EPA 515.3	-88	-88	70	130	
2017/18-3	Lab	method blank	3/21/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1			
2017/18-3	Lab	LCS	3/21/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	7.66	µg/L	EPA 515.3	0.09	1			
2017/18-3	Lab	LCS, rec	3/21/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	96	%	EPA 515.3	-88	-88	70	130	
2017/18-3	Lab	method blank	3/24/2018	Pesticide	4,4'-DDD	n/a	<	0.003	µg/L	EPA 608	0.003	0.05			
2017/18-3	Lab	LCS	3/24/2018	Pesticide	4,4'-DDD	n/a	=	0.0863	µg/L	EPA 608	0.003	0.05			
2017/18-3	Lab	LCS, rec	3/24/2018	Pesticide	4,4'-DDD	n/a	=	86	%	EPA 608	-88	-88	42	133	
2017/18-3	Lab	LCS dup	3/24/2018	Pesticide	4,4'-DDD	n/a	=	0.0871	µg/L	EPA 608	0.003	0.05			
2017/18-3	Lab	LCS dup, rec	3/24/2018	Pesticide	4,4'-DDD	n/a	=	87	%	EPA 608	-88	-88	42	133	
2017/18-3	Lab	LCS, RPD	3/24/2018	Pesticide	4,4'-DDD	n/a	=	1	%	EPA 608	-88	-88	0	30	
2017/18-3	Lab	method blank	3/24/2018	Pesticide	4,4'-DDE	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.05			
2017/18-3	Lab	LCS	3/24/2018	Pesticide	4,4'-DDE	n/a	=	0.0726	µg/L	EPA 608	0.0025	0.05			
2017/18-3	Lab	LCS, rec	3/24/2018	Pesticide	4,4'-DDE	n/a	=	73	%	EPA 608	-88	-88	33	126	
2017/18-3	Lab	LCS dup	3/24/2018	Pesticide	4,4'-DDE	n/a	=	0.0719	µg/L	EPA 608	0.0025	0.05			
2017/18-3	Lab	LCS dup, rec	3/24/2018	Pesticide	4,4'-DDE	n/a	=	72	%	EPA 608	-88	-88	33	126	
2017/18-3	Lab	LCS, RPD	3/24/2018	Pesticide	4,4'-DDE	n/a	=	1	%	EPA 608	-88	-88	0	30	
2017/18-3	Lab	method blank	3/24/2018	Pesticide	4,4'-DDT	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.01			
2017/18-3	Lab	LCS	3/24/2018	Pesticide	4,4'-DDT	n/a	=	0.0808	µg/L	EPA 608	0.0031	0.01			
2017/18-3	Lab	LCS, rec	3/24/2018	Pesticide	4,4'-DDT	n/a	=	81	%	EPA 608	-88	-88	35	147	
2017/18-3	Lab	LCS dup	3/24/2018	Pesticide	4,4'-DDT	n/a	=	0.0799	µg/L	EPA 608	0.0031	0.01			
2017/18-3	Lab	LCS dup, rec	3/24/2018	Pesticide	4,4'-DDT	n/a	=	80	%	EPA 608	-88	-88	35	147	
2017/18-3	Lab	LCS, RPD	3/24/2018	Pesticide	4,4'-DDT	n/a	=	1	%	EPA 608	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-3	000NONPJ	matrix spike	3/16/2018	Pesticide	Acifluorfen	n/a	=	4.51	µg/L	EPA 515.3	0.06	0.4			
2017/18-3	000NONPJ	matrix spike, rec	3/16/2018	Pesticide	Acifluorfen	n/a	=	113	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike dup	3/16/2018	Pesticide	Acifluorfen	n/a	=	4.31	µg/L	EPA 515.3	0.06	0.4			
2017/18-3	000NONPJ	matrix spike dup, rec	3/16/2018	Pesticide	Acifluorfen	n/a	=	108	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike, RPD	3/16/2018	Pesticide	Acifluorfen	n/a	=	5	%	EPA 515.3	-88	-88	0	30	
2017/18-3	000NONPJ	matrix spike	3/16/2018	Pesticide	Acifluorfen	n/a	=	3.43	µg/L	EPA 515.3	0.06	0.4			
2017/18-3	000NONPJ	matrix spike, rec	3/16/2018	Pesticide	Acifluorfen	n/a	=	86	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike dup	3/16/2018	Pesticide	Acifluorfen	n/a	=	3.53	µg/L	EPA 515.3	0.06	0.4			
2017/18-3	000NONPJ	matrix spike dup, rec	3/16/2018	Pesticide	Acifluorfen	n/a	=	88	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike, RPD	3/16/2018	Pesticide	Acifluorfen	n/a	=	3	%	EPA 515.3	-88	-88	0	30	
2017/18-3	000NONPJ	matrix spike	3/21/2018	Pesticide	Acifluorfen	n/a	=	4.25	µg/L	EPA 515.3	0.06	0.4			
2017/18-3	000NONPJ	matrix spike, rec	3/21/2018	Pesticide	Acifluorfen	n/a	=	106	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike dup	3/21/2018	Pesticide	Acifluorfen	n/a	=	4.57	µg/L	EPA 515.3	0.06	0.4			
2017/18-3	000NONPJ	matrix spike dup, rec	3/21/2018	Pesticide	Acifluorfen	n/a	=	114	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike, RPD	3/21/2018	Pesticide	Acifluorfen	n/a	=	7	%	EPA 515.3	-88	-88	0	30	
2017/18-3	Lab	method blank	3/16/2018	Pesticide	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4			
2017/18-3	Lab	LCS	3/16/2018	Pesticide	Acifluorfen	n/a	=	4.15	µg/L	EPA 515.3	0.06	0.4			
2017/18-3	Lab	LCS, rec	3/16/2018	Pesticide	Acifluorfen	n/a	=	104	%	EPA 515.3	-88	-88	70	130	
2017/18-3	Lab	method blank	3/21/2018	Pesticide	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4			
2017/18-3	Lab	LCS	3/21/2018	Pesticide	Acifluorfen	n/a	=	3.88	µg/L	EPA 515.3	0.06	0.4			
2017/18-3	Lab	LCS, rec	3/21/2018	Pesticide	Acifluorfen	n/a	=	97	%	EPA 515.3	-88	-88	70	130	
2017/18-3	Lab	method blank	3/22/2018	Pesticide	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1			
2017/18-3	Lab	LCS	3/22/2018	Pesticide	Alachlor	n/a	=	4.87	µg/L	EPA 525.2	0.022	0.1			
2017/18-3	Lab	LCS, rec	3/22/2018	Pesticide	Alachlor	n/a	=	97	%	EPA 525.2	-88	-88	70	130	
2017/18-3	Lab	LCS dup	3/22/2018	Pesticide	Alachlor	n/a	=	4.98	µg/L	EPA 525.2	0.022	0.1			
2017/18-3	Lab	LCS dup, rec	3/22/2018	Pesticide	Alachlor	n/a	=	100	%	EPA 525.2	-88	-88	70	130	
2017/18-3	Lab	LCS, RPD	3/22/2018	Pesticide	Alachlor	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2017/18-3	Lab	method blank	3/24/2018	Pesticide	Aldrin	n/a	<	0.0015	µg/L	EPA 608	0.0015	0.005			
2017/18-3	Lab	LCS	3/24/2018	Pesticide	Aldrin	n/a	=	0.075	µg/L	EPA 608	0.0015	0.005			
2017/18-3	Lab	LCS, rec	3/24/2018	Pesticide	Aldrin	n/a	=	75	%	EPA 608	-88	-88	18	117	
2017/18-3	Lab	LCS dup	3/24/2018	Pesticide	Aldrin	n/a	=	0.07	µg/L	EPA 608	0.0015	0.005			
2017/18-3	Lab	LCS dup, rec	3/24/2018	Pesticide	Aldrin	n/a	=	70	%	EPA 608	-88	-88	18	117	
2017/18-3	Lab	LCS, RPD	3/24/2018	Pesticide	Aldrin	n/a	=	7	%	EPA 608	-88	-88	0	30	
2017/18-3	Lab	method blank	3/24/2018	Pesticide	alpha-BHC	n/a	<	0.0018	µg/L	EPA 608	0.0018	0.01			
2017/18-3	Lab	LCS	3/24/2018	Pesticide	alpha-BHC	n/a	=	0.0752	µg/L	EPA 608	0.0018	0.01			
2017/18-3	Lab	LCS, rec	3/24/2018	Pesticide	alpha-BHC	n/a	=	75	%	EPA 608	-88	-88	47	119	
2017/18-3	Lab	LCS dup	3/24/2018	Pesticide	alpha-BHC	n/a	=	0.063	µg/L	EPA 608	0.0018	0.01			
2017/18-3	Lab	LCS dup, rec	3/24/2018	Pesticide	alpha-BHC	n/a	=	63	%	EPA 608	-88	-88	47	119	
2017/18-3	Lab	LCS, RPD	3/24/2018	Pesticide	alpha-BHC	n/a	=	18	%	EPA 608	-88	-88	0	30	
2017/18-3	Lab	method blank	3/22/2018	Pesticide	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1			
2017/18-3	Lab	LCS	3/22/2018	Pesticide	Atrazine	n/a	=	4.93	µg/L	EPA 525.2	0.034	0.1			
2017/18-3	Lab	LCS, rec	3/22/2018	Pesticide	Atrazine	n/a	=	99	%	EPA 525.2	-88	-88	70	130	
2017/18-3	Lab	LCS dup	3/22/2018	Pesticide	Atrazine	n/a	=	5.07	µg/L	EPA 525.2	0.034	0.1			
2017/18-3	Lab	LCS dup, rec	3/22/2018	Pesticide	Atrazine	n/a	=	101	%	EPA 525.2	-88	-88	70	130	
2017/18-3	Lab	LCS, RPD	3/22/2018	Pesticide	Atrazine	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2017/18-3	000NONPJ	matrix spike	3/19/2018	Pesticide	Azinphos methyl	n/a	=	0.0509	µg/L	EPA 525.2m	0.0055	0.01			
2017/18-3	000NONPJ	matrix spike, rec	3/19/2018	Pesticide	Azinphos methyl	n/a	=	102	%	EPA 525.2m	-88	-88	0.1	154	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-3	000NONPJ	matrix spike dup	3/19/2018	Pesticide	Azinphos methyl	n/a	=	0.0372	µg/L	EPA 525.2m	0.0055	0.01			
2017/18-3	000NONPJ	matrix spike dup, rec	3/19/2018	Pesticide	Azinphos methyl	n/a	=	74	%	EPA 525.2m	-88	-88	0.1	154	
2017/18-3	000NONPJ	matrix spike, RPD	3/19/2018	Pesticide	Azinphos methyl	n/a	=	31	%	EPA 525.2m	-88	-88	0	30	IL
2017/18-3	Lab	method blank	3/19/2018	Pesticide	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01			
2017/18-3	Lab	LCS	3/19/2018	Pesticide	Azinphos methyl	n/a	=	0.0539	µg/L	EPA 525.2m	0.0055	0.01			
2017/18-3	Lab	LCS, rec	3/19/2018	Pesticide	Azinphos methyl	n/a	=	108	%	EPA 525.2m	-88	-88	0.1	188	
2017/18-3	Lab	method blank	3/21/2018	Pesticide	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01			
2017/18-3	Lab	LCS	3/21/2018	Pesticide	Azinphos methyl	n/a	=	0.0486	µg/L	EPA 525.2m	0.0055	0.01			
2017/18-3	Lab	LCS, rec	3/21/2018	Pesticide	Azinphos methyl	n/a	=	97	%	EPA 525.2m	-88	-88	0.1	188	
2017/18-3	MO-MPK	matrix spike	3/21/2018	Pesticide	Azinphos methyl	n/a	=	0.234	µg/L	EPA 525.2m	0.028	0.05			
2017/18-3	MO-MPK	matrix spike, rec	3/21/2018	Pesticide	Azinphos methyl	n/a	=	94	%	EPA 525.2m	-88	-88	0.1	154	
2017/18-3	MO-MPK	matrix spike dup	3/21/2018	Pesticide	Azinphos methyl	n/a	=	0.257	µg/L	EPA 525.2m	0.028	0.05			
2017/18-3	MO-MPK	matrix spike dup, rec	3/21/2018	Pesticide	Azinphos methyl	n/a	=	103	%	EPA 525.2m	-88	-88	0.1	154	
2017/18-3	MO-MPK	matrix spike, RPD	3/21/2018	Pesticide	Azinphos methyl	n/a	=	9	%	EPA 525.2m	-88	-88	0	30	
2017/18-3	000NONPJ	matrix spike	3/16/2018	Pesticide	Bentazon	n/a	=	2.1	µg/L	EPA 515.3	0.11	2			GB
2017/18-3	000NONPJ	matrix spike, rec	3/16/2018	Pesticide	Bentazon	n/a	=	13	%	EPA 515.3	-88	-88	70	130	GB
2017/18-3	000NONPJ	matrix spike dup	3/16/2018	Pesticide	Bentazon	n/a	DNQ	1.4	µg/L	EPA 515.3	0.11	2			GB
2017/18-3	000NONPJ	matrix spike dup, rec	3/16/2018	Pesticide	Bentazon	n/a	=	9	%	EPA 515.3	-88	-88	70	130	GB
2017/18-3	000NONPJ	matrix spike, RPD	3/16/2018	Pesticide	Bentazon	n/a	=	40	%	EPA 515.3	-88	-88	0	30	IL
2017/18-3	000NONPJ	matrix spike	3/16/2018	Pesticide	Bentazon	n/a	=	15.8	µg/L	EPA 515.3	0.11	2			
2017/18-3	000NONPJ	matrix spike, rec	3/16/2018	Pesticide	Bentazon	n/a	=	99	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike dup	3/16/2018	Pesticide	Bentazon	n/a	=	15.8	µg/L	EPA 515.3	0.11	2			
2017/18-3	000NONPJ	matrix spike dup, rec	3/16/2018	Pesticide	Bentazon	n/a	=	99	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike, RPD	3/16/2018	Pesticide	Bentazon	n/a	=	0.2	%	EPA 515.3	-88	-88	0	30	
2017/18-3	000NONPJ	matrix spike	3/21/2018	Pesticide	Bentazon	n/a	=	16.3	µg/L	EPA 515.3	0.11	2			
2017/18-3	000NONPJ	matrix spike, rec	3/21/2018	Pesticide	Bentazon	n/a	=	102	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike dup	3/21/2018	Pesticide	Bentazon	n/a	=	17.4	µg/L	EPA 515.3	0.11	2			
2017/18-3	000NONPJ	matrix spike dup, rec	3/21/2018	Pesticide	Bentazon	n/a	=	109	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike, RPD	3/21/2018	Pesticide	Bentazon	n/a	=	6	%	EPA 515.3	-88	-88	0	30	
2017/18-3	Lab	method blank	3/16/2018	Pesticide	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2			
2017/18-3	Lab	LCS	3/16/2018	Pesticide	Bentazon	n/a	=	20.8	µg/L	EPA 515.3	0.11	2			
2017/18-3	Lab	LCS, rec	3/16/2018	Pesticide	Bentazon	n/a	=	130	%	EPA 515.3	-88	-88	70	130	
2017/18-3	Lab	method blank	3/21/2018	Pesticide	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2			
2017/18-3	Lab	LCS	3/21/2018	Pesticide	Bentazon	n/a	=	14.4	µg/L	EPA 515.3	0.11	2			
2017/18-3	Lab	LCS, rec	3/21/2018	Pesticide	Bentazon	n/a	=	90	%	EPA 515.3	-88	-88	70	130	
2017/18-3	Lab	method blank	3/24/2018	Pesticide	beta-BHC	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.005			
2017/18-3	Lab	LCS	3/24/2018	Pesticide	beta-BHC	n/a	=	0.0876	µg/L	EPA 608	0.0031	0.005			
2017/18-3	Lab	LCS, rec	3/24/2018	Pesticide	beta-BHC	n/a	=	88	%	EPA 608	-88	-88	53	123	
2017/18-3	Lab	LCS dup	3/24/2018	Pesticide	beta-BHC	n/a	=	0.0776	µg/L	EPA 608	0.0031	0.005			
2017/18-3	Lab	LCS dup, rec	3/24/2018	Pesticide	beta-BHC	n/a	=	78	%	EPA 608	-88	-88	53	123	
2017/18-3	Lab	LCS, RPD	3/24/2018	Pesticide	beta-BHC	n/a	=	12	%	EPA 608	-88	-88	0	30	
2017/18-3	000NONPJ	matrix spike	3/19/2018	Pesticide	Bolstar	n/a	=	0.0412	µg/L	EPA 525.2m	0.0046	0.01			
2017/18-3	000NONPJ	matrix spike, rec	3/19/2018	Pesticide	Bolstar	n/a	=	82	%	EPA 525.2m	-88	-88	4	184	
2017/18-3	000NONPJ	matrix spike dup	3/19/2018	Pesticide	Bolstar	n/a	=	0.0351	µg/L	EPA 525.2m	0.0046	0.01			
2017/18-3	000NONPJ	matrix spike dup, rec	3/19/2018	Pesticide	Bolstar	n/a	=	70	%	EPA 525.2m	-88	-88	4	184	
2017/18-3	000NONPJ	matrix spike, RPD	3/19/2018	Pesticide	Bolstar	n/a	=	16	%	EPA 525.2m	-88	-88	0	30	
2017/18-3	Lab	method blank	3/19/2018	Pesticide	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-3	Lab	LCS	3/19/2018	Pesticide	Bolstar	n/a	=	0.0253	µg/L	EPA 525.2m	0.0046	0.01			
2017/18-3	Lab	LCS, rec	3/19/2018	Pesticide	Bolstar	n/a	=	51	%	EPA 525.2m	-88	-88	11	166	
2017/18-3	Lab	method blank	3/21/2018	Pesticide	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01			
2017/18-3	Lab	LCS	3/21/2018	Pesticide	Bolstar	n/a	=	0.0346	µg/L	EPA 525.2m	0.0046	0.01			
2017/18-3	Lab	LCS, rec	3/21/2018	Pesticide	Bolstar	n/a	=	69	%	EPA 525.2m	-88	-88	11	166	
2017/18-3	MO-MPK	matrix spike	3/21/2018	Pesticide	Bolstar	n/a	=	0.195	µg/L	EPA 525.2m	0.023	0.05			
2017/18-3	MO-MPK	matrix spike, rec	3/21/2018	Pesticide	Bolstar	n/a	=	78	%	EPA 525.2m	-88	-88	4	184	
2017/18-3	MO-MPK	matrix spike dup	3/21/2018	Pesticide	Bolstar	n/a	=	0.152	µg/L	EPA 525.2m	0.023	0.05			
2017/18-3	MO-MPK	matrix spike dup, rec	3/21/2018	Pesticide	Bolstar	n/a	=	61	%	EPA 525.2m	-88	-88	4	184	
2017/18-3	MO-MPK	matrix spike, RPD	3/21/2018	Pesticide	Bolstar	n/a	=	25	%	EPA 525.2m	-88	-88	0	30	
2017/18-3	Lab	method blank	3/22/2018	Pesticide	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1			
2017/18-3	Lab	LCS	3/22/2018	Pesticide	Bromacil	n/a	=	4.69	µg/L	EPA 525.2	0.038	1			
2017/18-3	Lab	LCS, rec	3/22/2018	Pesticide	Bromacil	n/a	=	94	%	EPA 525.2	-88	-88	70	130	
2017/18-3	Lab	LCS dup	3/22/2018	Pesticide	Bromacil	n/a	=	5.01	µg/L	EPA 525.2	0.038	1			
2017/18-3	Lab	LCS dup, rec	3/22/2018	Pesticide	Bromacil	n/a	=	100	%	EPA 525.2	-88	-88	70	130	
2017/18-3	Lab	LCS, RPD	3/22/2018	Pesticide	Bromacil	n/a	=	7	%	EPA 525.2	-88	-88	0	30	
2017/18-3	Lab	method blank	3/22/2018	Pesticide	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2			
2017/18-3	Lab	LCS	3/22/2018	Pesticide	Butachlor	n/a	=	4.86	µg/L	EPA 525.2	0.017	0.2			
2017/18-3	Lab	LCS, rec	3/22/2018	Pesticide	Butachlor	n/a	=	97	%	EPA 525.2	-88	-88	70	130	
2017/18-3	Lab	LCS dup	3/22/2018	Pesticide	Butachlor	n/a	=	4.77	µg/L	EPA 525.2	0.017	0.2			
2017/18-3	Lab	LCS dup, rec	3/22/2018	Pesticide	Butachlor	n/a	=	95	%	EPA 525.2	-88	-88	70	130	
2017/18-3	Lab	LCS, RPD	3/22/2018	Pesticide	Butachlor	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2017/18-3	Lab	method blank	3/22/2018	Pesticide	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1			
2017/18-3	Lab	LCS	3/22/2018	Pesticide	Captan	n/a	=	4.61	µg/L	EPA 525.2	0.86	1			
2017/18-3	Lab	LCS, rec	3/22/2018	Pesticide	Captan	n/a	=	92	%	EPA 525.2	-88	-88	70	130	
2017/18-3	Lab	LCS dup	3/22/2018	Pesticide	Captan	n/a	=	4.98	µg/L	EPA 525.2	0.86	1			
2017/18-3	Lab	LCS dup, rec	3/22/2018	Pesticide	Captan	n/a	=	100	%	EPA 525.2	-88	-88	70	130	
2017/18-3	Lab	LCS, RPD	3/22/2018	Pesticide	Captan	n/a	=	8	%	EPA 525.2	-88	-88	0	30	
2017/18-3	Lab	method blank	3/22/2018	Pesticide	Chloropropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1			
2017/18-3	Lab	LCS	3/22/2018	Pesticide	Chloropropham	n/a	=	4.99	µg/L	EPA 525.2	0.01	0.1			
2017/18-3	Lab	LCS, rec	3/22/2018	Pesticide	Chloropropham	n/a	=	100	%	EPA 525.2	-88	-88	70	130	
2017/18-3	Lab	LCS dup	3/22/2018	Pesticide	Chloropropham	n/a	=	5.27	µg/L	EPA 525.2	0.01	0.1			
2017/18-3	Lab	LCS dup, rec	3/22/2018	Pesticide	Chloropropham	n/a	=	105	%	EPA 525.2	-88	-88	70	130	
2017/18-3	Lab	LCS, RPD	3/22/2018	Pesticide	Chloropropham	n/a	=	5	%	EPA 525.2	-88	-88	0	30	
2017/18-3	000NONPJ	matrix spike	3/19/2018	Pesticide	Chlorpyrifos	n/a	=	0.0389	µg/L	EPA 525.2m	0.0069	0.01			
2017/18-3	000NONPJ	matrix spike, rec	3/19/2018	Pesticide	Chlorpyrifos	n/a	=	78	%	EPA 525.2m	-88	-88	37	168	
2017/18-3	000NONPJ	matrix spike dup	3/19/2018	Pesticide	Chlorpyrifos	n/a	=	0.048	µg/L	EPA 525.2m	0.0069	0.01			
2017/18-3	000NONPJ	matrix spike dup, rec	3/19/2018	Pesticide	Chlorpyrifos	n/a	=	96	%	EPA 525.2m	-88	-88	37	168	
2017/18-3	000NONPJ	matrix spike, RPD	3/19/2018	Pesticide	Chlorpyrifos	n/a	=	21	%	EPA 525.2m	-88	-88	0	30	
2017/18-3	Lab	method blank	3/19/2018	Pesticide	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01			
2017/18-3	Lab	LCS	3/19/2018	Pesticide	Chlorpyrifos	n/a	=	0.027	µg/L	EPA 525.2m	0.0069	0.01			
2017/18-3	Lab	LCS, rec	3/19/2018	Pesticide	Chlorpyrifos	n/a	=	54	%	EPA 525.2m	-88	-88	37	169	
2017/18-3	Lab	method blank	3/21/2018	Pesticide	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01			
2017/18-3	Lab	LCS	3/21/2018	Pesticide	Chlorpyrifos	n/a	=	0.0275	µg/L	EPA 525.2m	0.0069	0.01			
2017/18-3	Lab	LCS, rec	3/21/2018	Pesticide	Chlorpyrifos	n/a	=	55	%	EPA 525.2m	-88	-88	37	169	
2017/18-3	MO-MPK	matrix spike	3/21/2018	Pesticide	Chlorpyrifos	n/a	=	0.252	µg/L	EPA 525.2m	0.034	0.05			
2017/18-3	MO-MPK	matrix spike, rec	3/21/2018	Pesticide	Chlorpyrifos	n/a	=	101	%	EPA 525.2m	-88	-88	37	168	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-3	MO-MPK	matrix spike dup	3/21/2018	Pesticide	Chlorpyrifos	n/a	=	0.174	µg/L	EPA 525.2m	0.034	0.05			
2017/18-3	MO-MPK	matrix spike dup, rec	3/21/2018	Pesticide	Chlorpyrifos	n/a	=	69	%	EPA 525.2m	-88	-88	37	168	
2017/18-3	MO-MPK	matrix spike, RPD	3/21/2018	Pesticide	Chlorpyrifos	n/a	=	37	%	EPA 525.2m	-88	-88	0	30	IL
2017/18-3	000NONPJ	matrix spike	3/19/2018	Pesticide	Coumaphos	n/a	=	0.0557	µg/L	EPA 525.2m	0.0051	0.01			
2017/18-3	000NONPJ	matrix spike, rec	3/19/2018	Pesticide	Coumaphos	n/a	=	111	%	EPA 525.2m	-88	-88	0.1	203	
2017/18-3	000NONPJ	matrix spike dup	3/19/2018	Pesticide	Coumaphos	n/a	=	0.0386	µg/L	EPA 525.2m	0.0051	0.01			
2017/18-3	000NONPJ	matrix spike dup, rec	3/19/2018	Pesticide	Coumaphos	n/a	=	77	%	EPA 525.2m	-88	-88	0.1	203	
2017/18-3	000NONPJ	matrix spike, RPD	3/19/2018	Pesticide	Coumaphos	n/a	=	36	%	EPA 525.2m	-88	-88	0	30	IL
2017/18-3	Lab	method blank	3/19/2018	Pesticide	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01			
2017/18-3	Lab	LCS	3/19/2018	Pesticide	Coumaphos	n/a	=	0.0688	µg/L	EPA 525.2m	0.0051	0.01			
2017/18-3	Lab	LCS, rec	3/19/2018	Pesticide	Coumaphos	n/a	=	138	%	EPA 525.2m	-88	-88	0.1	225	
2017/18-3	Lab	method blank	3/21/2018	Pesticide	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01			
2017/18-3	Lab	LCS	3/21/2018	Pesticide	Coumaphos	n/a	=	0.0582	µg/L	EPA 525.2m	0.0051	0.01			
2017/18-3	Lab	LCS, rec	3/21/2018	Pesticide	Coumaphos	n/a	=	116	%	EPA 525.2m	-88	-88	0.1	225	
2017/18-3	MO-MPK	matrix spike	3/21/2018	Pesticide	Coumaphos	n/a	=	0.218	µg/L	EPA 525.2m	0.026	0.05			
2017/18-3	MO-MPK	matrix spike, rec	3/21/2018	Pesticide	Coumaphos	n/a	=	87	%	EPA 525.2m	-88	-88	0.1	203	
2017/18-3	MO-MPK	matrix spike dup	3/21/2018	Pesticide	Coumaphos	n/a	=	0.288	µg/L	EPA 525.2m	0.026	0.05			
2017/18-3	MO-MPK	matrix spike dup, rec	3/21/2018	Pesticide	Coumaphos	n/a	=	115	%	EPA 525.2m	-88	-88	0.1	203	
2017/18-3	MO-MPK	matrix spike, RPD	3/21/2018	Pesticide	Coumaphos	n/a	=	28	%	EPA 525.2m	-88	-88	0	30	
2017/18-3	Lab	method blank	3/22/2018	Pesticide	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2017/18-3	Lab	LCS	3/22/2018	Pesticide	Cyanazine	n/a	=	5.19	µg/L	EPA 525.2	0.024	0.1			
2017/18-3	Lab	LCS, rec	3/22/2018	Pesticide	Cyanazine	n/a	=	104	%	EPA 525.2	-88	-88	70	130	
2017/18-3	Lab	LCS dup	3/22/2018	Pesticide	Cyanazine	n/a	=	5.25	µg/L	EPA 525.2	0.024	0.1			
2017/18-3	Lab	LCS dup, rec	3/22/2018	Pesticide	Cyanazine	n/a	=	105	%	EPA 525.2	-88	-88	70	130	
2017/18-3	Lab	LCS, RPD	3/22/2018	Pesticide	Cyanazine	n/a	=	1	%	EPA 525.2	-88	-88	0	30	
2017/18-3	000NONPJ	matrix spike	3/16/2018	Pesticide	Dalapon	n/a	=	10.4	µg/L	EPA 515.3	0.1	0.4			
2017/18-3	000NONPJ	matrix spike, rec	3/16/2018	Pesticide	Dalapon	n/a	=	130	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike dup	3/16/2018	Pesticide	Dalapon	n/a	=	9.47	µg/L	EPA 515.3	0.1	0.4			
2017/18-3	000NONPJ	matrix spike dup, rec	3/16/2018	Pesticide	Dalapon	n/a	=	118	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike, RPD	3/16/2018	Pesticide	Dalapon	n/a	=	9	%	EPA 515.3	-88	-88	0	30	
2017/18-3	000NONPJ	matrix spike	3/16/2018	Pesticide	Dalapon	n/a	=	8.3	µg/L	EPA 515.3	0.1	0.4			
2017/18-3	000NONPJ	matrix spike, rec	3/16/2018	Pesticide	Dalapon	n/a	=	104	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike dup	3/16/2018	Pesticide	Dalapon	n/a	=	8.92	µg/L	EPA 515.3	0.1	0.4			
2017/18-3	000NONPJ	matrix spike dup, rec	3/16/2018	Pesticide	Dalapon	n/a	=	111	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike, RPD	3/16/2018	Pesticide	Dalapon	n/a	=	7	%	EPA 515.3	-88	-88	0	30	
2017/18-3	000NONPJ	matrix spike	3/21/2018	Pesticide	Dalapon	n/a	=	8.27	µg/L	EPA 515.3	0.1	0.4			
2017/18-3	000NONPJ	matrix spike, rec	3/21/2018	Pesticide	Dalapon	n/a	=	103	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike dup	3/21/2018	Pesticide	Dalapon	n/a	=	8.76	µg/L	EPA 515.3	0.1	0.4			
2017/18-3	000NONPJ	matrix spike dup, rec	3/21/2018	Pesticide	Dalapon	n/a	=	110	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike, RPD	3/21/2018	Pesticide	Dalapon	n/a	=	6	%	EPA 515.3	-88	-88	0	30	
2017/18-3	Lab	method blank	3/16/2018	Pesticide	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4			
2017/18-3	Lab	LCS	3/16/2018	Pesticide	Dalapon	n/a	=	10.3	µg/L	EPA 515.3	0.1	0.4			
2017/18-3	Lab	LCS, rec	3/16/2018	Pesticide	Dalapon	n/a	=	129	%	EPA 515.3	-88	-88	70	130	
2017/18-3	Lab	method blank	3/21/2018	Pesticide	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4			
2017/18-3	Lab	LCS	3/21/2018	Pesticide	Dalapon	n/a	=	7.69	µg/L	EPA 515.3	0.1	0.4			
2017/18-3	Lab	LCS, rec	3/21/2018	Pesticide	Dalapon	n/a	=	96	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike	3/16/2018	Pesticide	DCPA (Dacthal)	n/a	=	5.32	µg/L	EPA 515.3	0.07	0.1			GB

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-3	000NONPJ	matrix spike, rec	3/16/2018	Pesticide	DCPA (Dacthal)	n/a	=	133	%	EPA 515.3	-88	-88	70	130	GB
2017/18-3	000NONPJ	matrix spike dup	3/16/2018	Pesticide	DCPA (Dacthal)	n/a	=	5.83	µg/L	EPA 515.3	0.07	0.1			GB
2017/18-3	000NONPJ	matrix spike dup, rec	3/16/2018	Pesticide	DCPA (Dacthal)	n/a	=	146	%	EPA 515.3	-88	-88	70	130	GB
2017/18-3	000NONPJ	matrix spike, RPD	3/16/2018	Pesticide	DCPA (Dacthal)	n/a	=	9	%	EPA 515.3	-88	-88	0	30	
2017/18-3	000NONPJ	matrix spike	3/16/2018	Pesticide	DCPA (Dacthal)	n/a	=	3.68	µg/L	EPA 515.3	0.07	0.1			
2017/18-3	000NONPJ	matrix spike, rec	3/16/2018	Pesticide	DCPA (Dacthal)	n/a	=	92	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike dup	3/16/2018	Pesticide	DCPA (Dacthal)	n/a	=	3.39	µg/L	EPA 515.3	0.07	0.1			
2017/18-3	000NONPJ	matrix spike dup, rec	3/16/2018	Pesticide	DCPA (Dacthal)	n/a	=	85	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike, RPD	3/16/2018	Pesticide	DCPA (Dacthal)	n/a	=	8	%	EPA 515.3	-88	-88	0	30	
2017/18-3	000NONPJ	matrix spike	3/21/2018	Pesticide	DCPA (Dacthal)	n/a	=	4.15	µg/L	EPA 515.3	0.07	0.1			
2017/18-3	000NONPJ	matrix spike, rec	3/21/2018	Pesticide	DCPA (Dacthal)	n/a	=	104	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike dup	3/21/2018	Pesticide	DCPA (Dacthal)	n/a	=	4.45	µg/L	EPA 515.3	0.07	0.1			
2017/18-3	000NONPJ	matrix spike dup, rec	3/21/2018	Pesticide	DCPA (Dacthal)	n/a	=	111	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike, RPD	3/21/2018	Pesticide	DCPA (Dacthal)	n/a	=	7	%	EPA 515.3	-88	-88	0	30	
2017/18-3	Lab	method blank	3/16/2018	Pesticide	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1			
2017/18-3	Lab	LCS	3/16/2018	Pesticide	DCPA (Dacthal)	n/a	=	4.5	µg/L	EPA 515.3	0.07	0.1			
2017/18-3	Lab	LCS, rec	3/16/2018	Pesticide	DCPA (Dacthal)	n/a	=	113	%	EPA 515.3	-88	-88	70	130	
2017/18-3	Lab	method blank	3/21/2018	Pesticide	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1			
2017/18-3	Lab	LCS	3/21/2018	Pesticide	DCPA (Dacthal)	n/a	=	3.83	µg/L	EPA 515.3	0.07	0.1			
2017/18-3	Lab	LCS, rec	3/21/2018	Pesticide	DCPA (Dacthal)	n/a	=	96	%	EPA 515.3	-88	-88	70	130	
2017/18-3	Lab	method blank	3/24/2018	Pesticide	delta-BHC	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.005			
2017/18-3	Lab	LCS	3/24/2018	Pesticide	delta-BHC	n/a	=	0.0839	µg/L	EPA 608	0.0025	0.005			
2017/18-3	Lab	LCS, rec	3/24/2018	Pesticide	delta-BHC	n/a	=	84	%	EPA 608	-88	-88	51	123	
2017/18-3	Lab	LCS dup	3/24/2018	Pesticide	delta-BHC	n/a	=	0.0682	µg/L	EPA 608	0.0025	0.005			
2017/18-3	Lab	LCS dup, rec	3/24/2018	Pesticide	delta-BHC	n/a	=	68	%	EPA 608	-88	-88	51	123	
2017/18-3	Lab	LCS, RPD	3/24/2018	Pesticide	delta-BHC	n/a	=	21	%	EPA 608	-88	-88	0	30	
2017/18-3	000NONPJ	matrix spike	3/19/2018	Pesticide	Demeton-O	n/a	=	0.051	µg/L	EPA 525.2m	0.01	0.01			
2017/18-3	000NONPJ	matrix spike, rec	3/19/2018	Pesticide	Demeton-O	n/a	=	102	%	EPA 525.2m	-88	-88	0.1	208	
2017/18-3	000NONPJ	matrix spike dup	3/19/2018	Pesticide	Demeton-O	n/a	=	0.0496	µg/L	EPA 525.2m	0.01	0.01			
2017/18-3	000NONPJ	matrix spike dup, rec	3/19/2018	Pesticide	Demeton-O	n/a	=	99	%	EPA 525.2m	-88	-88	0.1	208	
2017/18-3	000NONPJ	matrix spike, RPD	3/19/2018	Pesticide	Demeton-O	n/a	=	3	%	EPA 525.2m	-88	-88	0	30	
2017/18-3	Lab	method blank	3/19/2018	Pesticide	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2017/18-3	Lab	LCS	3/19/2018	Pesticide	Demeton-O	n/a	=	0.0185	µg/L	EPA 525.2m	0.01	0.01			
2017/18-3	Lab	LCS, rec	3/19/2018	Pesticide	Demeton-O	n/a	=	37	%	EPA 525.2m	-88	-88	0.1	211	
2017/18-3	Lab	method blank	3/21/2018	Pesticide	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2017/18-3	Lab	LCS	3/21/2018	Pesticide	Demeton-O	n/a	=	0.0326	µg/L	EPA 525.2m	0.01	0.01			
2017/18-3	Lab	LCS, rec	3/21/2018	Pesticide	Demeton-O	n/a	=	65	%	EPA 525.2m	-88	-88	0.1	211	
2017/18-3	MO-MPK	matrix spike	3/21/2018	Pesticide	Demeton-O	n/a	=	0.21	µg/L	EPA 525.2m	0.05	0.05			
2017/18-3	MO-MPK	matrix spike, rec	3/21/2018	Pesticide	Demeton-O	n/a	=	84	%	EPA 525.2m	-88	-88	0.1	208	
2017/18-3	MO-MPK	matrix spike dup	3/21/2018	Pesticide	Demeton-O	n/a	=	0.246	µg/L	EPA 525.2m	0.05	0.05			
2017/18-3	MO-MPK	matrix spike dup, rec	3/21/2018	Pesticide	Demeton-O	n/a	=	98	%	EPA 525.2m	-88	-88	0.1	208	
2017/18-3	MO-MPK	matrix spike, RPD	3/21/2018	Pesticide	Demeton-O	n/a	=	15	%	EPA 525.2m	-88	-88	0	30	
2017/18-3	000NONPJ	matrix spike	3/19/2018	Pesticide	Demeton-S	n/a	=	0.0539	µg/L	EPA 525.2m	0.01	0.01			
2017/18-3	000NONPJ	matrix spike, rec	3/19/2018	Pesticide	Demeton-S	n/a	=	108	%	EPA 525.2m	-88	-88	0.1	207	
2017/18-3	000NONPJ	matrix spike dup	3/19/2018	Pesticide	Demeton-S	n/a	=	0.0643	µg/L	EPA 525.2m	0.01	0.01			
2017/18-3	000NONPJ	matrix spike dup, rec	3/19/2018	Pesticide	Demeton-S	n/a	=	129	%	EPA 525.2m	-88	-88	0.1	207	
2017/18-3	000NONPJ	matrix spike, RPD	3/19/2018	Pesticide	Demeton-S	n/a	=	18	%	EPA 525.2m	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-3	Lab	method blank	3/19/2018	Pesticide	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2017/18-3	Lab	LCS	3/19/2018	Pesticide	Demeton-S	n/a	=	0.0303	µg/L	EPA 525.2m	0.01	0.01			
2017/18-3	Lab	LCS, rec	3/19/2018	Pesticide	Demeton-S	n/a	=	61	%	EPA 525.2m	-88	-88	0.1	213	
2017/18-3	Lab	method blank	3/21/2018	Pesticide	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2017/18-3	Lab	LCS	3/21/2018	Pesticide	Demeton-S	n/a	=	0.0367	µg/L	EPA 525.2m	0.01	0.01			
2017/18-3	Lab	LCS, rec	3/21/2018	Pesticide	Demeton-S	n/a	=	73	%	EPA 525.2m	-88	-88	0.1	213	
2017/18-3	MO-MPK	matrix spike	3/21/2018	Pesticide	Demeton-S	n/a	=	0.326	µg/L	EPA 525.2m	0.05	0.05			
2017/18-3	MO-MPK	matrix spike, rec	3/21/2018	Pesticide	Demeton-S	n/a	=	131	%	EPA 525.2m	-88	-88	0.1	207	
2017/18-3	MO-MPK	matrix spike dup	3/21/2018	Pesticide	Demeton-S	n/a	=	0.265	µg/L	EPA 525.2m	0.05	0.05			
2017/18-3	MO-MPK	matrix spike dup, rec	3/21/2018	Pesticide	Demeton-S	n/a	=	106	%	EPA 525.2m	-88	-88	0.1	207	
2017/18-3	MO-MPK	matrix spike, RPD	3/21/2018	Pesticide	Demeton-S	n/a	=	21	%	EPA 525.2m	-88	-88	0	30	
2017/18-3	000NONPJ	matrix spike	3/19/2018	Pesticide	Diazinon	n/a	=	0.0481	µg/L	EPA 525.2m	0.0052	0.01			
2017/18-3	000NONPJ	matrix spike, rec	3/19/2018	Pesticide	Diazinon	n/a	=	96	%	EPA 525.2m	-88	-88	36	153	
2017/18-3	000NONPJ	matrix spike dup	3/19/2018	Pesticide	Diazinon	n/a	=	0.0666	µg/L	EPA 525.2m	0.0052	0.01			
2017/18-3	000NONPJ	matrix spike dup, rec	3/19/2018	Pesticide	Diazinon	n/a	=	133	%	EPA 525.2m	-88	-88	36	153	
2017/18-3	000NONPJ	matrix spike, RPD	3/19/2018	Pesticide	Diazinon	n/a	=	32	%	EPA 525.2m	-88	-88	0	30	IL
2017/18-3	Lab	method blank	3/19/2018	Pesticide	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01			
2017/18-3	Lab	LCS	3/19/2018	Pesticide	Diazinon	n/a	=	0.0218	µg/L	EPA 525.2m	0.0052	0.01			
2017/18-3	Lab	LCS, rec	3/19/2018	Pesticide	Diazinon	n/a	=	44	%	EPA 525.2m	-88	-88	43	152	
2017/18-3	Lab	method blank	3/21/2018	Pesticide	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01			
2017/18-3	Lab	LCS	3/21/2018	Pesticide	Diazinon	n/a	=	0.0287	µg/L	EPA 525.2m	0.0052	0.01			
2017/18-3	Lab	LCS, rec	3/21/2018	Pesticide	Diazinon	n/a	=	57	%	EPA 525.2m	-88	-88	43	152	
2017/18-3	Lab	method blank	3/22/2018	Pesticide	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1			
2017/18-3	Lab	LCS	3/22/2018	Pesticide	Diazinon	n/a	=	4.32	µg/L	EPA 525.2	0.096	0.1			
2017/18-3	Lab	LCS, rec	3/22/2018	Pesticide	Diazinon	n/a	=	86	%	EPA 525.2	-88	-88	50	120	
2017/18-3	Lab	LCS dup	3/22/2018	Pesticide	Diazinon	n/a	=	4.2	µg/L	EPA 525.2	0.096	0.1			
2017/18-3	Lab	LCS dup, rec	3/22/2018	Pesticide	Diazinon	n/a	=	84	%	EPA 525.2	-88	-88	50	120	
2017/18-3	Lab	LCS, RPD	3/22/2018	Pesticide	Diazinon	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2017/18-3	MO-MPK	matrix spike	3/21/2018	Pesticide	Diazinon	n/a	=	0.233	µg/L	EPA 525.2m	0.026	0.05			
2017/18-3	MO-MPK	matrix spike, rec	3/21/2018	Pesticide	Diazinon	n/a	=	93	%	EPA 525.2m	-88	-88	36	153	
2017/18-3	MO-MPK	matrix spike dup	3/21/2018	Pesticide	Diazinon	n/a	=	0.179	µg/L	EPA 525.2m	0.026	0.05			
2017/18-3	MO-MPK	matrix spike dup, rec	3/21/2018	Pesticide	Diazinon	n/a	=	72	%	EPA 525.2m	-88	-88	36	153	
2017/18-3	MO-MPK	matrix spike, RPD	3/21/2018	Pesticide	Diazinon	n/a	=	26	%	EPA 525.2m	-88	-88	0	30	
2017/18-3	000NONPJ	matrix spike	3/16/2018	Pesticide	Dicamba	n/a	=	9.01	µg/L	EPA 515.3	0.12	0.6			
2017/18-3	000NONPJ	matrix spike, rec	3/16/2018	Pesticide	Dicamba	n/a	=	113	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike dup	3/16/2018	Pesticide	Dicamba	n/a	=	8.83	µg/L	EPA 515.3	0.12	0.6			
2017/18-3	000NONPJ	matrix spike dup, rec	3/16/2018	Pesticide	Dicamba	n/a	=	110	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike, RPD	3/16/2018	Pesticide	Dicamba	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2017/18-3	000NONPJ	matrix spike	3/16/2018	Pesticide	Dicamba	n/a	=	7.99	µg/L	EPA 515.3	0.12	0.6			
2017/18-3	000NONPJ	matrix spike, rec	3/16/2018	Pesticide	Dicamba	n/a	=	100	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike dup	3/16/2018	Pesticide	Dicamba	n/a	=	7.35	µg/L	EPA 515.3	0.12	0.6			
2017/18-3	000NONPJ	matrix spike dup, rec	3/16/2018	Pesticide	Dicamba	n/a	=	92	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike, RPD	3/16/2018	Pesticide	Dicamba	n/a	=	8	%	EPA 515.3	-88	-88	0	30	
2017/18-3	000NONPJ	matrix spike	3/21/2018	Pesticide	Dicamba	n/a	=	8.31	µg/L	EPA 515.3	0.12	0.6			
2017/18-3	000NONPJ	matrix spike, rec	3/21/2018	Pesticide	Dicamba	n/a	=	104	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike dup	3/21/2018	Pesticide	Dicamba	n/a	=	8.68	µg/L	EPA 515.3	0.12	0.6			
2017/18-3	000NONPJ	matrix spike dup, rec	3/21/2018	Pesticide	Dicamba	n/a	=	108	%	EPA 515.3	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-3	000NONPJ	matrix spike, RPD	3/21/2018	Pesticide	Dicamba	n/a	=	4	%	EPA 515.3	-88	-88	0	30	
2017/18-3	Lab	method blank	3/16/2018	Pesticide	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6			
2017/18-3	Lab	LCS	3/16/2018	Pesticide	Dicamba	n/a	=	9.28	µg/L	EPA 515.3	0.12	0.6			
2017/18-3	Lab	LCS, rec	3/16/2018	Pesticide	Dicamba	n/a	=	116	%	EPA 515.3	-88	-88	70	130	
2017/18-3	Lab	method blank	3/21/2018	Pesticide	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6			
2017/18-3	Lab	LCS	3/21/2018	Pesticide	Dicamba	n/a	=	7.74	µg/L	EPA 515.3	0.12	0.6			
2017/18-3	Lab	LCS, rec	3/21/2018	Pesticide	Dicamba	n/a	=	97	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike	3/16/2018	Pesticide	Dichlorprop	n/a	=	9.25	µg/L	EPA 515.3	0.08	0.3			
2017/18-3	000NONPJ	matrix spike, rec	3/16/2018	Pesticide	Dichlorprop	n/a	=	116	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike dup	3/16/2018	Pesticide	Dichlorprop	n/a	=	9.09	µg/L	EPA 515.3	0.08	0.3			
2017/18-3	000NONPJ	matrix spike dup, rec	3/16/2018	Pesticide	Dichlorprop	n/a	=	114	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike, RPD	3/16/2018	Pesticide	Dichlorprop	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2017/18-3	000NONPJ	matrix spike	3/16/2018	Pesticide	Dichlorprop	n/a	=	9.16	µg/L	EPA 515.3	0.08	0.3			
2017/18-3	000NONPJ	matrix spike, rec	3/16/2018	Pesticide	Dichlorprop	n/a	=	114	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike dup	3/16/2018	Pesticide	Dichlorprop	n/a	=	7.59	µg/L	EPA 515.3	0.08	0.3			
2017/18-3	000NONPJ	matrix spike dup, rec	3/16/2018	Pesticide	Dichlorprop	n/a	=	95	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike, RPD	3/16/2018	Pesticide	Dichlorprop	n/a	=	19	%	EPA 515.3	-88	-88	0	30	
2017/18-3	000NONPJ	matrix spike	3/21/2018	Pesticide	Dichlorprop	n/a	=	8.94	µg/L	EPA 515.3	0.08	0.3			
2017/18-3	000NONPJ	matrix spike, rec	3/21/2018	Pesticide	Dichlorprop	n/a	=	112	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike dup	3/21/2018	Pesticide	Dichlorprop	n/a	=	8.94	µg/L	EPA 515.3	0.08	0.3			
2017/18-3	000NONPJ	matrix spike dup, rec	3/21/2018	Pesticide	Dichlorprop	n/a	=	112	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike, RPD	3/21/2018	Pesticide	Dichlorprop	n/a	=	0.03	%	EPA 515.3	-88	-88	0	30	
2017/18-3	Lab	method blank	3/16/2018	Pesticide	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3			
2017/18-3	Lab	LCS	3/16/2018	Pesticide	Dichlorprop	n/a	=	10.1	µg/L	EPA 515.3	0.08	0.3			
2017/18-3	Lab	LCS, rec	3/16/2018	Pesticide	Dichlorprop	n/a	=	126	%	EPA 515.3	-88	-88	70	130	
2017/18-3	Lab	method blank	3/21/2018	Pesticide	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3			
2017/18-3	Lab	LCS	3/21/2018	Pesticide	Dichlorprop	n/a	=	8.03	µg/L	EPA 515.3	0.08	0.3			
2017/18-3	Lab	LCS, rec	3/21/2018	Pesticide	Dichlorprop	n/a	=	100	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike	3/19/2018	Pesticide	Dichlorvos	n/a	=	0.0538	µg/L	EPA 525.2m	0.0029	0.01			
2017/18-3	000NONPJ	matrix spike, rec	3/19/2018	Pesticide	Dichlorvos	n/a	=	108	%	EPA 525.2m	-88	-88	42	137	
2017/18-3	000NONPJ	matrix spike dup	3/19/2018	Pesticide	Dichlorvos	n/a	=	0.0432	µg/L	EPA 525.2m	0.0029	0.01			
2017/18-3	000NONPJ	matrix spike dup, rec	3/19/2018	Pesticide	Dichlorvos	n/a	=	86	%	EPA 525.2m	-88	-88	42	137	
2017/18-3	000NONPJ	matrix spike, RPD	3/19/2018	Pesticide	Dichlorvos	n/a	=	22	%	EPA 525.2m	-88	-88	0	30	
2017/18-3	Lab	method blank	3/19/2018	Pesticide	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01			
2017/18-3	Lab	LCS	3/19/2018	Pesticide	Dichlorvos	n/a	=	0.0439	µg/L	EPA 525.2m	0.0029	0.01			
2017/18-3	Lab	LCS, rec	3/19/2018	Pesticide	Dichlorvos	n/a	=	88	%	EPA 525.2m	-88	-88	46	133	
2017/18-3	Lab	method blank	3/21/2018	Pesticide	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01			
2017/18-3	Lab	LCS	3/21/2018	Pesticide	Dichlorvos	n/a	=	0.0443	µg/L	EPA 525.2m	0.0029	0.01			
2017/18-3	Lab	LCS, rec	3/21/2018	Pesticide	Dichlorvos	n/a	=	89	%	EPA 525.2m	-88	-88	46	133	
2017/18-3	MO-MPK	matrix spike	3/21/2018	Pesticide	Dichlorvos	n/a	=	0.232	µg/L	EPA 525.2m	0.014	0.05			
2017/18-3	MO-MPK	matrix spike, rec	3/21/2018	Pesticide	Dichlorvos	n/a	=	86	%	EPA 525.2m	-88	-88	42	137	
2017/18-3	MO-MPK	matrix spike dup	3/21/2018	Pesticide	Dichlorvos	n/a	=	0.264	µg/L	EPA 525.2m	0.014	0.05			
2017/18-3	MO-MPK	matrix spike dup, rec	3/21/2018	Pesticide	Dichlorvos	n/a	=	99	%	EPA 525.2m	-88	-88	42	137	
2017/18-3	MO-MPK	matrix spike, RPD	3/21/2018	Pesticide	Dichlorvos	n/a	=	13	%	EPA 525.2m	-88	-88	0	30	
2017/18-3	Lab	method blank	3/24/2018	Pesticide	Dieldrin	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.01			
2017/18-3	Lab	LCS	3/24/2018	Pesticide	Dieldrin	n/a	=	0.0805	µg/L	EPA 608	0.0021	0.01			
2017/18-3	Lab	LCS, rec	3/24/2018	Pesticide	Dieldrin	n/a	=	81	%	EPA 608	-88	-88	48	123	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-3	Lab	LCS dup	3/24/2018	Pesticide	Dieldrin	n/a	=	0.0717	µg/L	EPA 608	0.0021	0.01			
2017/18-3	Lab	LCS dup, rec	3/24/2018	Pesticide	Dieldrin	n/a	=	72	%	EPA 608	-88	-88	48	123	
2017/18-3	Lab	LCS, RPD	3/24/2018	Pesticide	Dieldrin	n/a	=	12	%	EPA 608	-88	-88	0	30	
2017/18-3	000NONPJ	matrix spike	3/19/2018	Pesticide	Dimethoate	n/a	=	0.0458	µg/L	EPA 525.2m	0.0062	0.01			
2017/18-3	000NONPJ	matrix spike, rec	3/19/2018	Pesticide	Dimethoate	n/a	=	92	%	EPA 525.2m	-88	-88	4	222	
2017/18-3	000NONPJ	matrix spike dup	3/19/2018	Pesticide	Dimethoate	n/a	=	0.0517	µg/L	EPA 525.2m	0.0062	0.01			
2017/18-3	000NONPJ	matrix spike dup, rec	3/19/2018	Pesticide	Dimethoate	n/a	=	103	%	EPA 525.2m	-88	-88	4	222	
2017/18-3	000NONPJ	matrix spike, RPD	3/19/2018	Pesticide	Dimethoate	n/a	=	12	%	EPA 525.2m	-88	-88	0	30	
2017/18-3	Lab	method blank	3/19/2018	Pesticide	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01			
2017/18-3	Lab	LCS	3/19/2018	Pesticide	Dimethoate	n/a	=	0.0148	µg/L	EPA 525.2m	0.0062	0.01			
2017/18-3	Lab	LCS, rec	3/19/2018	Pesticide	Dimethoate	n/a	=	30	%	EPA 525.2m	-88	-88	10	234	
2017/18-3	Lab	method blank	3/21/2018	Pesticide	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01			
2017/18-3	Lab	LCS	3/21/2018	Pesticide	Dimethoate	n/a	=	0.0214	µg/L	EPA 525.2m	0.0062	0.01			
2017/18-3	Lab	LCS, rec	3/21/2018	Pesticide	Dimethoate	n/a	=	43	%	EPA 525.2m	-88	-88	10	234	
2017/18-3	Lab	method blank	3/22/2018	Pesticide	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2017/18-3	Lab	LCS	3/22/2018	Pesticide	Dimethoate	n/a	=	3.5	µg/L	EPA 525.2	0.024	0.2			
2017/18-3	Lab	LCS, rec	3/22/2018	Pesticide	Dimethoate	n/a	=	70	%	EPA 525.2	-88	-88	50	120	
2017/18-3	Lab	LCS dup	3/22/2018	Pesticide	Dimethoate	n/a	=	3.77	µg/L	EPA 525.2	0.024	0.2			
2017/18-3	Lab	LCS dup, rec	3/22/2018	Pesticide	Dimethoate	n/a	=	75	%	EPA 525.2	-88	-88	50	120	
2017/18-3	Lab	LCS, RPD	3/22/2018	Pesticide	Dimethoate	n/a	=	8	%	EPA 525.2	-88	-88	0	30	
2017/18-3	MO-MPK	matrix spike	3/21/2018	Pesticide	Dimethoate	n/a	=	0.307	µg/L	EPA 525.2m	0.031	0.05			
2017/18-3	MO-MPK	matrix spike, rec	3/21/2018	Pesticide	Dimethoate	n/a	=	123	%	EPA 525.2m	-88	-88	4	222	
2017/18-3	MO-MPK	matrix spike dup	3/21/2018	Pesticide	Dimethoate	n/a	=	0.193	µg/L	EPA 525.2m	0.031	0.05			
2017/18-3	MO-MPK	matrix spike dup, rec	3/21/2018	Pesticide	Dimethoate	n/a	=	77	%	EPA 525.2m	-88	-88	4	222	
2017/18-3	MO-MPK	matrix spike, RPD	3/21/2018	Pesticide	Dimethoate	n/a	=	46	%	EPA 525.2m	-88	-88	0	30	IL
2017/18-3	000NONPJ	matrix spike	3/16/2018	Pesticide	Dinoseb	n/a	=	4.51	µg/L	EPA 515.3	0.14	0.4			
2017/18-3	000NONPJ	matrix spike, rec	3/16/2018	Pesticide	Dinoseb	n/a	=	113	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike dup	3/16/2018	Pesticide	Dinoseb	n/a	=	4.48	µg/L	EPA 515.3	0.14	0.4			
2017/18-3	000NONPJ	matrix spike dup, rec	3/16/2018	Pesticide	Dinoseb	n/a	=	112	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike, RPD	3/16/2018	Pesticide	Dinoseb	n/a	=	0.8	%	EPA 515.3	-88	-88	0	30	
2017/18-3	000NONPJ	matrix spike	3/16/2018	Pesticide	Dinoseb	n/a	=	3.35	µg/L	EPA 515.3	0.14	0.4			
2017/18-3	000NONPJ	matrix spike, rec	3/16/2018	Pesticide	Dinoseb	n/a	=	84	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike dup	3/16/2018	Pesticide	Dinoseb	n/a	=	3.5	µg/L	EPA 515.3	0.14	0.4			
2017/18-3	000NONPJ	matrix spike dup, rec	3/16/2018	Pesticide	Dinoseb	n/a	=	88	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike, RPD	3/16/2018	Pesticide	Dinoseb	n/a	=	5	%	EPA 515.3	-88	-88	0	30	
2017/18-3	000NONPJ	matrix spike	3/21/2018	Pesticide	Dinoseb	n/a	=	3.97	µg/L	EPA 515.3	0.14	0.4			
2017/18-3	000NONPJ	matrix spike, rec	3/21/2018	Pesticide	Dinoseb	n/a	=	99	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike dup	3/21/2018	Pesticide	Dinoseb	n/a	=	4.42	µg/L	EPA 515.3	0.14	0.4			
2017/18-3	000NONPJ	matrix spike dup, rec	3/21/2018	Pesticide	Dinoseb	n/a	=	110	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike, RPD	3/21/2018	Pesticide	Dinoseb	n/a	=	11	%	EPA 515.3	-88	-88	0	30	
2017/18-3	Lab	method blank	3/16/2018	Pesticide	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4			
2017/18-3	Lab	LCS	3/16/2018	Pesticide	Dinoseb	n/a	=	4.58	µg/L	EPA 515.3	0.14	0.4			
2017/18-3	Lab	LCS, rec	3/16/2018	Pesticide	Dinoseb	n/a	=	115	%	EPA 515.3	-88	-88	70	130	
2017/18-3	Lab	method blank	3/21/2018	Pesticide	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4			
2017/18-3	Lab	LCS	3/21/2018	Pesticide	Dinoseb	n/a	=	3.94	µg/L	EPA 515.3	0.14	0.4			
2017/18-3	Lab	LCS, rec	3/21/2018	Pesticide	Dinoseb	n/a	=	99	%	EPA 515.3	-88	-88	70	130	
2017/18-3	Lab	method blank	3/22/2018	Pesticide	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-3	Lab	LCS	3/22/2018	Pesticide	Diphenamid	n/a	=	5.19	µg/L	EPA 525.2	0.024	0.1			
2017/18-3	Lab	LCS, rec	3/22/2018	Pesticide	Diphenamid	n/a	=	104	%	EPA 525.2	-88	-88	70	130	
2017/18-3	Lab	LCS dup	3/22/2018	Pesticide	Diphenamid	n/a	=	5.5	µg/L	EPA 525.2	0.024	0.1			
2017/18-3	Lab	LCS dup, rec	3/22/2018	Pesticide	Diphenamid	n/a	=	110	%	EPA 525.2	-88	-88	70	130	
2017/18-3	Lab	LCS, RPD	3/22/2018	Pesticide	Diphenamid	n/a	=	6	%	EPA 525.2	-88	-88	0	30	
2017/18-3	000NONPJ	matrix spike	3/19/2018	Pesticide	Disulfoton	n/a	=	0.0369	µg/L	EPA 525.2m	0.01	0.01			
2017/18-3	000NONPJ	matrix spike, rec	3/19/2018	Pesticide	Disulfoton	n/a	=	37	%	EPA 525.2m	-88	-88	12	199	
2017/18-3	000NONPJ	matrix spike dup	3/19/2018	Pesticide	Disulfoton	n/a	=	0.0416	µg/L	EPA 525.2m	0.01	0.01			
2017/18-3	000NONPJ	matrix spike dup, rec	3/19/2018	Pesticide	Disulfoton	n/a	=	47	%	EPA 525.2m	-88	-88	12	199	
2017/18-3	000NONPJ	matrix spike, RPD	3/19/2018	Pesticide	Disulfoton	n/a	=	12	%	EPA 525.2m	-88	-88	0	30	
2017/18-3	Lab	method blank	3/19/2018	Pesticide	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2017/18-3	Lab	LCS	3/19/2018	Pesticide	Disulfoton	n/a	=	0.0202	µg/L	EPA 525.2m	0.01	0.01			
2017/18-3	Lab	LCS, rec	3/19/2018	Pesticide	Disulfoton	n/a	=	40	%	EPA 525.2m	-88	-88	0.1	212	
2017/18-3	Lab	method blank	3/21/2018	Pesticide	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2017/18-3	Lab	LCS	3/21/2018	Pesticide	Disulfoton	n/a	=	0.0243	µg/L	EPA 525.2m	0.01	0.01			
2017/18-3	Lab	LCS, rec	3/21/2018	Pesticide	Disulfoton	n/a	=	49	%	EPA 525.2m	-88	-88	0.1	212	
2017/18-3	Lab	method blank	3/22/2018	Pesticide	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1			
2017/18-3	Lab	LCS	3/22/2018	Pesticide	Disulfoton	n/a	=	7.51	µg/L	EPA 525.2	0.031	0.1			EUM
2017/18-3	Lab	LCS, rec	3/22/2018	Pesticide	Disulfoton	n/a	=	150	%	EPA 525.2	-88	-88	50	120	EUM
2017/18-3	Lab	LCS dup	3/22/2018	Pesticide	Disulfoton	n/a	=	6.76	µg/L	EPA 525.2	0.031	0.1			EUM
2017/18-3	Lab	LCS dup, rec	3/22/2018	Pesticide	Disulfoton	n/a	=	135	%	EPA 525.2	-88	-88	50	120	EUM
2017/18-3	Lab	LCS, RPD	3/22/2018	Pesticide	Disulfoton	n/a	=	10	%	EPA 525.2	-88	-88	0	30	
2017/18-3	MO-MPK	matrix spike	3/21/2018	Pesticide	Disulfoton	n/a	=	0.18	µg/L	EPA 525.2m	0.05	0.05			
2017/18-3	MO-MPK	matrix spike, rec	3/21/2018	Pesticide	Disulfoton	n/a	=	72	%	EPA 525.2m	-88	-88	12	199	
2017/18-3	MO-MPK	matrix spike dup	3/21/2018	Pesticide	Disulfoton	n/a	=	0.141	µg/L	EPA 525.2m	0.05	0.05			
2017/18-3	MO-MPK	matrix spike dup, rec	3/21/2018	Pesticide	Disulfoton	n/a	=	57	%	EPA 525.2m	-88	-88	12	199	
2017/18-3	MO-MPK	matrix spike, RPD	3/21/2018	Pesticide	Disulfoton	n/a	=	24	%	EPA 525.2m	-88	-88	0	30	
2017/18-3	Lab	method blank	3/24/2018	Pesticide	Endosulfan I	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.02			
2017/18-3	Lab	LCS	3/24/2018	Pesticide	Endosulfan I	n/a	=	0.0744	µg/L	EPA 608	0.0017	0.02			
2017/18-3	Lab	LCS, rec	3/24/2018	Pesticide	Endosulfan I	n/a	=	74	%	EPA 608	-88	-88	14	131	
2017/18-3	Lab	LCS dup	3/24/2018	Pesticide	Endosulfan I	n/a	=	0.0729	µg/L	EPA 608	0.0017	0.02			
2017/18-3	Lab	LCS dup, rec	3/24/2018	Pesticide	Endosulfan I	n/a	=	73	%	EPA 608	-88	-88	14	131	
2017/18-3	Lab	LCS, RPD	3/24/2018	Pesticide	Endosulfan I	n/a	=	2	%	EPA 608	-88	-88	0	30	
2017/18-3	Lab	method blank	3/24/2018	Pesticide	Endosulfan II	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01			
2017/18-3	Lab	LCS	3/24/2018	Pesticide	Endosulfan II	n/a	=	0.0803	µg/L	EPA 608	0.0019	0.01			
2017/18-3	Lab	LCS, rec	3/24/2018	Pesticide	Endosulfan II	n/a	=	80	%	EPA 608	-88	-88	40	121	
2017/18-3	Lab	LCS dup	3/24/2018	Pesticide	Endosulfan II	n/a	=	0.0808	µg/L	EPA 608	0.0019	0.01			
2017/18-3	Lab	LCS dup, rec	3/24/2018	Pesticide	Endosulfan II	n/a	=	81	%	EPA 608	-88	-88	40	121	
2017/18-3	Lab	LCS, RPD	3/24/2018	Pesticide	Endosulfan II	n/a	=	0.7	%	EPA 608	-88	-88	0	30	
2017/18-3	Lab	method blank	3/24/2018	Pesticide	Endosulfan sulfate	n/a	<	0.008	µg/L	EPA 608	0.008	0.05			
2017/18-3	Lab	LCS	3/24/2018	Pesticide	Endosulfan sulfate	n/a	=	0.0816	µg/L	EPA 608	0.008	0.05			
2017/18-3	Lab	LCS, rec	3/24/2018	Pesticide	Endosulfan sulfate	n/a	=	82	%	EPA 608	-88	-88	44	140	
2017/18-3	Lab	LCS dup	3/24/2018	Pesticide	Endosulfan sulfate	n/a	=	0.0685	µg/L	EPA 608	0.008	0.05			
2017/18-3	Lab	LCS dup, rec	3/24/2018	Pesticide	Endosulfan sulfate	n/a	=	68	%	EPA 608	-88	-88	44	140	
2017/18-3	Lab	LCS, RPD	3/24/2018	Pesticide	Endosulfan sulfate	n/a	=	18	%	EPA 608	-88	-88	0	30	
2017/18-3	Lab	method blank	3/24/2018	Pesticide	Endrin	n/a	<	0.0028	µg/L	EPA 608	0.0028	0.01			
2017/18-3	Lab	LCS	3/24/2018	Pesticide	Endrin	n/a	=	0.0926	µg/L	EPA 608	0.0028	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-3	Lab	LCS, rec	3/24/2018	Pesticide	Endrin	n/a	=	93	%	EPA 608	-88	-88	40	143	
2017/18-3	Lab	LCS dup	3/24/2018	Pesticide	Endrin	n/a	=	0.0908	µg/L	EPA 608	0.0028	0.01			
2017/18-3	Lab	LCS dup, rec	3/24/2018	Pesticide	Endrin	n/a	=	91	%	EPA 608	-88	-88	40	143	
2017/18-3	Lab	LCS, RPD	3/24/2018	Pesticide	Endrin	n/a	=	2	%	EPA 608	-88	-88	0	30	
2017/18-3	Lab	method blank	3/24/2018	Pesticide	Endrin aldehyde	n/a	<	0.003	µg/L	EPA 608	0.003	0.01			
2017/18-3	Lab	LCS	3/24/2018	Pesticide	Endrin aldehyde	n/a	=	0.0922	µg/L	EPA 608	0.003	0.01			
2017/18-3	Lab	LCS, rec	3/24/2018	Pesticide	Endrin aldehyde	n/a	=	92	%	EPA 608	-88	-88	18	136	
2017/18-3	Lab	LCS dup	3/24/2018	Pesticide	Endrin aldehyde	n/a	=	0.0929	µg/L	EPA 608	0.003	0.01			
2017/18-3	Lab	LCS dup, rec	3/24/2018	Pesticide	Endrin aldehyde	n/a	=	93	%	EPA 608	-88	-88	18	136	
2017/18-3	Lab	LCS, RPD	3/24/2018	Pesticide	Endrin aldehyde	n/a	=	0.8	%	EPA 608	-88	-88	0	30	
2017/18-3	Lab	method blank	3/22/2018	Pesticide	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1			
2017/18-3	Lab	LCS	3/22/2018	Pesticide	EPTC	n/a	=	4.82	µg/L	EPA 525.2	0.017	1			
2017/18-3	Lab	LCS, rec	3/22/2018	Pesticide	EPTC	n/a	=	96	%	EPA 525.2	-88	-88	70	130	
2017/18-3	Lab	LCS dup	3/22/2018	Pesticide	EPTC	n/a	=	5.07	µg/L	EPA 525.2	0.017	1			
2017/18-3	Lab	LCS dup, rec	3/22/2018	Pesticide	EPTC	n/a	=	101	%	EPA 525.2	-88	-88	70	130	
2017/18-3	Lab	LCS, RPD	3/22/2018	Pesticide	EPTC	n/a	=	5	%	EPA 525.2	-88	-88	0	30	
2017/18-3	000NONPJ	matrix spike	3/19/2018	Pesticide	Ethoprop	n/a	=	0.0475	µg/L	EPA 525.2m	0.0067	0.01			
2017/18-3	000NONPJ	matrix spike, rec	3/19/2018	Pesticide	Ethoprop	n/a	=	95	%	EPA 525.2m	-88	-88	51	167	
2017/18-3	000NONPJ	matrix spike dup	3/19/2018	Pesticide	Ethoprop	n/a	=	0.0479	µg/L	EPA 525.2m	0.0067	0.01			
2017/18-3	000NONPJ	matrix spike dup, rec	3/19/2018	Pesticide	Ethoprop	n/a	=	96	%	EPA 525.2m	-88	-88	51	167	
2017/18-3	000NONPJ	matrix spike, RPD	3/19/2018	Pesticide	Ethoprop	n/a	=	0.8	%	EPA 525.2m	-88	-88	0	30	
2017/18-3	Lab	method blank	3/19/2018	Pesticide	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01			
2017/18-3	Lab	LCS	3/19/2018	Pesticide	Ethoprop	n/a	=	0.0322	µg/L	EPA 525.2m	0.0067	0.01			
2017/18-3	Lab	LCS, rec	3/19/2018	Pesticide	Ethoprop	n/a	=	64	%	EPA 525.2m	-88	-88	53	163	
2017/18-3	Lab	method blank	3/21/2018	Pesticide	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01			
2017/18-3	Lab	LCS	3/21/2018	Pesticide	Ethoprop	n/a	=	0.0305	µg/L	EPA 525.2m	0.0067	0.01			
2017/18-3	Lab	LCS, rec	3/21/2018	Pesticide	Ethoprop	n/a	=	61	%	EPA 525.2m	-88	-88	53	163	
2017/18-3	MO-MPK	matrix spike	3/21/2018	Pesticide	Ethoprop	n/a	=	0.228	µg/L	EPA 525.2m	0.034	0.05			
2017/18-3	MO-MPK	matrix spike, rec	3/21/2018	Pesticide	Ethoprop	n/a	=	91	%	EPA 525.2m	-88	-88	51	167	
2017/18-3	MO-MPK	matrix spike dup	3/21/2018	Pesticide	Ethoprop	n/a	=	0.196	µg/L	EPA 525.2m	0.034	0.05			
2017/18-3	MO-MPK	matrix spike dup, rec	3/21/2018	Pesticide	Ethoprop	n/a	=	78	%	EPA 525.2m	-88	-88	51	167	
2017/18-3	MO-MPK	matrix spike, RPD	3/21/2018	Pesticide	Ethoprop	n/a	=	15	%	EPA 525.2m	-88	-88	0	30	
2017/18-3	000NONPJ	matrix spike	3/19/2018	Pesticide	Ethyl parathion	n/a	=	0.0316	µg/L	EPA 525.2m	0.0054	0.01			
2017/18-3	000NONPJ	matrix spike, rec	3/19/2018	Pesticide	Ethyl parathion	n/a	=	63	%	EPA 525.2m	-88	-88	5	229	
2017/18-3	000NONPJ	matrix spike dup	3/19/2018	Pesticide	Ethyl parathion	n/a	=	0.0361	µg/L	EPA 525.2m	0.0054	0.01			
2017/18-3	000NONPJ	matrix spike dup, rec	3/19/2018	Pesticide	Ethyl parathion	n/a	=	72	%	EPA 525.2m	-88	-88	5	229	
2017/18-3	000NONPJ	matrix spike, RPD	3/19/2018	Pesticide	Ethyl parathion	n/a	=	13	%	EPA 525.2m	-88	-88	0	30	
2017/18-3	Lab	method blank	3/19/2018	Pesticide	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01			
2017/18-3	Lab	LCS	3/19/2018	Pesticide	Ethyl parathion	n/a	=	0.0221	µg/L	EPA 525.2m	0.0054	0.01			
2017/18-3	Lab	LCS, rec	3/19/2018	Pesticide	Ethyl parathion	n/a	=	44	%	EPA 525.2m	-88	-88	7	230	
2017/18-3	Lab	method blank	3/21/2018	Pesticide	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01			
2017/18-3	Lab	LCS	3/21/2018	Pesticide	Ethyl parathion	n/a	=	0.0227	µg/L	EPA 525.2m	0.0054	0.01			
2017/18-3	Lab	LCS, rec	3/21/2018	Pesticide	Ethyl parathion	n/a	=	45	%	EPA 525.2m	-88	-88	7	230	
2017/18-3	MO-MPK	matrix spike	3/21/2018	Pesticide	Ethyl parathion	n/a	=	0.236	µg/L	EPA 525.2m	0.027	0.05			
2017/18-3	MO-MPK	matrix spike, rec	3/21/2018	Pesticide	Ethyl parathion	n/a	=	95	%	EPA 525.2m	-88	-88	5	229	
2017/18-3	MO-MPK	matrix spike dup	3/21/2018	Pesticide	Ethyl parathion	n/a	=	0.16	µg/L	EPA 525.2m	0.027	0.05			
2017/18-3	MO-MPK	matrix spike dup, rec	3/21/2018	Pesticide	Ethyl parathion	n/a	=	64	%	EPA 525.2m	-88	-88	5	229	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-3	MO-MPK	matrix spike, RPD	3/21/2018	Pesticide	Ethyl parathion	n/a	=	39	%	EPA 525.2m	-88	-88	0	30	IL
2017/18-3	000NONPJ	matrix spike	3/19/2018	Pesticide	Fensulfothion	n/a	=	0.0328	µg/L	EPA 525.2m	0.0029	0.01			
2017/18-3	000NONPJ	matrix spike, rec	3/19/2018	Pesticide	Fensulfothion	n/a	=	66	%	EPA 525.2m	-88	-88	0.1	316	
2017/18-3	000NONPJ	matrix spike dup	3/19/2018	Pesticide	Fensulfothion	n/a	=	0.0241	µg/L	EPA 525.2m	0.0029	0.01			
2017/18-3	000NONPJ	matrix spike dup, rec	3/19/2018	Pesticide	Fensulfothion	n/a	=	48	%	EPA 525.2m	-88	-88	0.1	316	
2017/18-3	000NONPJ	matrix spike, RPD	3/19/2018	Pesticide	Fensulfothion	n/a	=	31	%	EPA 525.2m	-88	-88	0	30	IL
2017/18-3	Lab	method blank	3/19/2018	Pesticide	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01			
2017/18-3	Lab	LCS	3/19/2018	Pesticide	Fensulfothion	n/a	=	0.0271	µg/L	EPA 525.2m	0.0029	0.01			
2017/18-3	Lab	LCS, rec	3/19/2018	Pesticide	Fensulfothion	n/a	=	54	%	EPA 525.2m	-88	-88	0.1	265	
2017/18-3	Lab	method blank	3/21/2018	Pesticide	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01			
2017/18-3	Lab	LCS	3/21/2018	Pesticide	Fensulfothion	n/a	=	0.0307	µg/L	EPA 525.2m	0.0029	0.01			
2017/18-3	Lab	LCS, rec	3/21/2018	Pesticide	Fensulfothion	n/a	=	61	%	EPA 525.2m	-88	-88	0.1	265	
2017/18-3	MO-MPK	matrix spike	3/21/2018	Pesticide	Fensulfothion	n/a	=	0.192	µg/L	EPA 525.2m	0.014	0.05			
2017/18-3	MO-MPK	matrix spike, rec	3/21/2018	Pesticide	Fensulfothion	n/a	=	77	%	EPA 525.2m	-88	-88	0.1	316	
2017/18-3	MO-MPK	matrix spike dup	3/21/2018	Pesticide	Fensulfothion	n/a	=	0.152	µg/L	EPA 525.2m	0.014	0.05			
2017/18-3	MO-MPK	matrix spike dup, rec	3/21/2018	Pesticide	Fensulfothion	n/a	=	61	%	EPA 525.2m	-88	-88	0.1	316	
2017/18-3	MO-MPK	matrix spike, RPD	3/21/2018	Pesticide	Fensulfothion	n/a	=	23	%	EPA 525.2m	-88	-88	0	30	
2017/18-3	000NONPJ	matrix spike	3/19/2018	Pesticide	Fenthion	n/a	=	0.0441	µg/L	EPA 525.2m	0.0038	0.01			
2017/18-3	000NONPJ	matrix spike, rec	3/19/2018	Pesticide	Fenthion	n/a	=	88	%	EPA 525.2m	-88	-88	23	169	
2017/18-3	000NONPJ	matrix spike dup	3/19/2018	Pesticide	Fenthion	n/a	=	0.0586	µg/L	EPA 525.2m	0.0038	0.01			
2017/18-3	000NONPJ	matrix spike dup, rec	3/19/2018	Pesticide	Fenthion	n/a	=	117	%	EPA 525.2m	-88	-88	23	169	
2017/18-3	000NONPJ	matrix spike, RPD	3/19/2018	Pesticide	Fenthion	n/a	=	28	%	EPA 525.2m	-88	-88	0	30	
2017/18-3	Lab	method blank	3/19/2018	Pesticide	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01			
2017/18-3	Lab	LCS	3/19/2018	Pesticide	Fenthion	n/a	=	0.0164	µg/L	EPA 525.2m	0.0038	0.01			
2017/18-3	Lab	LCS, rec	3/19/2018	Pesticide	Fenthion	n/a	=	33	%	EPA 525.2m	-88	-88	20	177	
2017/18-3	Lab	method blank	3/21/2018	Pesticide	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01			
2017/18-3	Lab	LCS	3/21/2018	Pesticide	Fenthion	n/a	=	0.0269	µg/L	EPA 525.2m	0.0038	0.01			
2017/18-3	Lab	LCS, rec	3/21/2018	Pesticide	Fenthion	n/a	=	54	%	EPA 525.2m	-88	-88	20	177	
2017/18-3	MO-MPK	matrix spike	3/21/2018	Pesticide	Fenthion	n/a	=	0.301	µg/L	EPA 525.2m	0.019	0.05			
2017/18-3	MO-MPK	matrix spike, rec	3/21/2018	Pesticide	Fenthion	n/a	=	120	%	EPA 525.2m	-88	-88	23	169	
2017/18-3	MO-MPK	matrix spike dup	3/21/2018	Pesticide	Fenthion	n/a	=	0.197	µg/L	EPA 525.2m	0.019	0.05			
2017/18-3	MO-MPK	matrix spike dup, rec	3/21/2018	Pesticide	Fenthion	n/a	=	79	%	EPA 525.2m	-88	-88	23	169	
2017/18-3	MO-MPK	matrix spike, RPD	3/21/2018	Pesticide	Fenthion	n/a	=	42	%	EPA 525.2m	-88	-88	0	30	IL
2017/18-3	Lab	method blank	3/24/2018	Pesticide	gamma-BHC (Lindane)	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.02			
2017/18-3	Lab	LCS	3/24/2018	Pesticide	gamma-BHC (Lindane)	n/a	=	0.0736	µg/L	EPA 608	0.0021	0.02			
2017/18-3	Lab	LCS, rec	3/24/2018	Pesticide	gamma-BHC (Lindane)	n/a	=	74	%	EPA 608	-88	-88	49	117	
2017/18-3	Lab	LCS dup	3/24/2018	Pesticide	gamma-BHC (Lindane)	n/a	=	0.0614	µg/L	EPA 608	0.0021	0.02			
2017/18-3	Lab	LCS dup, rec	3/24/2018	Pesticide	gamma-BHC (Lindane)	n/a	=	61	%	EPA 608	-88	-88	49	117	
2017/18-3	Lab	LCS, RPD	3/24/2018	Pesticide	gamma-BHC (Lindane)	n/a	=	18	%	EPA 608	-88	-88	0	30	
2017/18-3	000NONPJ	matrix spike	3/22/2018	Pesticide	Glyphosate	n/a	=	28.8	µg/L	EPA 547	1.8	5			
2017/18-3	000NONPJ	matrix spike, rec	3/22/2018	Pesticide	Glyphosate	n/a	=	105	%	EPA 547	-88	-88	41	149	
2017/18-3	000NONPJ	matrix spike dup	3/22/2018	Pesticide	Glyphosate	n/a	=	28.9	µg/L	EPA 547	1.8	5			
2017/18-3	000NONPJ	matrix spike dup, rec	3/22/2018	Pesticide	Glyphosate	n/a	=	106	%	EPA 547	-88	-88	41	149	
2017/18-3	000NONPJ	matrix spike, RPD	3/22/2018	Pesticide	Glyphosate	n/a	=	0.5	%	EPA 547	-88	-88	0	30	
2017/18-3	000NONPJ	matrix spike	3/22/2018	Pesticide	Glyphosate	n/a	=	35.4	µg/L	EPA 547	1.8	5			
2017/18-3	000NONPJ	matrix spike, rec	3/22/2018	Pesticide	Glyphosate	n/a	=	141	%	EPA 547	-88	-88	41	149	
2017/18-3	000NONPJ	matrix spike dup	3/22/2018	Pesticide	Glyphosate	n/a	=	37.3	µg/L	EPA 547	1.8	5			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-3	000NONPJ	matrix spike dup, rec	3/22/2018	Pesticide	Glyphosate	n/a	=	149	%	EPA 547	-88	-88	41	149	
2017/18-3	000NONPJ	matrix spike, RPD	3/22/2018	Pesticide	Glyphosate	n/a	=	5	%	EPA 547	-88	-88	0	30	
2017/18-3	Lab	method blank	3/22/2018	Pesticide	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5			
2017/18-3	Lab	LCS	3/22/2018	Pesticide	Glyphosate	n/a	=	26.5	µg/L	EPA 547	1.8	5			
2017/18-3	Lab	LCS, rec	3/22/2018	Pesticide	Glyphosate	n/a	=	106	%	EPA 547	-88	-88	70	130	
2017/18-3	Lab	method blank	3/26/2018	Pesticide	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5			
2017/18-3	Lab	LCS	3/26/2018	Pesticide	Glyphosate	n/a	=	17.6	µg/L	EPA 547	1.8	5			
2017/18-3	Lab	LCS, rec	3/26/2018	Pesticide	Glyphosate	n/a	=	71	%	EPA 547	-88	-88	70	130	
2017/18-3	Lab	method blank	3/24/2018	Pesticide	Heptachlor	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.01			
2017/18-3	Lab	LCS	3/24/2018	Pesticide	Heptachlor	n/a	=	0.0735	µg/L	EPA 608	0.0017	0.01			
2017/18-3	Lab	LCS, rec	3/24/2018	Pesticide	Heptachlor	n/a	=	74	%	EPA 608	-88	-88	31	130	
2017/18-3	Lab	LCS dup	3/24/2018	Pesticide	Heptachlor	n/a	=	0.0712	µg/L	EPA 608	0.0017	0.01			
2017/18-3	Lab	LCS dup, rec	3/24/2018	Pesticide	Heptachlor	n/a	=	71	%	EPA 608	-88	-88	31	130	
2017/18-3	Lab	LCS, RPD	3/24/2018	Pesticide	Heptachlor	n/a	=	3	%	EPA 608	-88	-88	0	30	
2017/18-3	Lab	method blank	3/24/2018	Pesticide	Heptachlor epoxide	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01			
2017/18-3	Lab	LCS	3/24/2018	Pesticide	Heptachlor epoxide	n/a	=	0.0788	µg/L	EPA 608	0.0019	0.01			
2017/18-3	Lab	LCS, rec	3/24/2018	Pesticide	Heptachlor epoxide	n/a	=	79	%	EPA 608	-88	-88	49	122	
2017/18-3	Lab	LCS dup	3/24/2018	Pesticide	Heptachlor epoxide	n/a	=	0.0757	µg/L	EPA 608	0.0019	0.01			
2017/18-3	Lab	LCS dup, rec	3/24/2018	Pesticide	Heptachlor epoxide	n/a	=	76	%	EPA 608	-88	-88	49	122	
2017/18-3	Lab	LCS, RPD	3/24/2018	Pesticide	Heptachlor epoxide	n/a	=	4	%	EPA 608	-88	-88	0	30	
2017/18-3	000NONPJ	matrix spike	3/19/2018	Pesticide	Malathion	n/a	=	0.0385	µg/L	EPA 525.2m	0.0076	0.01			
2017/18-3	000NONPJ	matrix spike, rec	3/19/2018	Pesticide	Malathion	n/a	=	77	%	EPA 525.2m	-88	-88	6	184	
2017/18-3	000NONPJ	matrix spike dup	3/19/2018	Pesticide	Malathion	n/a	=	0.0482	µg/L	EPA 525.2m	0.0076	0.01			
2017/18-3	000NONPJ	matrix spike dup, rec	3/19/2018	Pesticide	Malathion	n/a	=	96	%	EPA 525.2m	-88	-88	6	184	
2017/18-3	000NONPJ	matrix spike, RPD	3/19/2018	Pesticide	Malathion	n/a	=	22	%	EPA 525.2m	-88	-88	0	30	
2017/18-3	Lab	method blank	3/19/2018	Pesticide	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01			
2017/18-3	Lab	LCS	3/19/2018	Pesticide	Malathion	n/a	=	0.0225	µg/L	EPA 525.2m	0.0076	0.01			
2017/18-3	Lab	LCS, rec	3/19/2018	Pesticide	Malathion	n/a	=	45	%	EPA 525.2m	-88	-88	14	175	
2017/18-3	Lab	method blank	3/21/2018	Pesticide	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01			
2017/18-3	Lab	LCS	3/21/2018	Pesticide	Malathion	n/a	=	0.0234	µg/L	EPA 525.2m	0.0076	0.01			
2017/18-3	Lab	LCS, rec	3/21/2018	Pesticide	Malathion	n/a	=	47	%	EPA 525.2m	-88	-88	14	175	
2017/18-3	MO-MPK	matrix spike	3/21/2018	Pesticide	Malathion	n/a	=	0.26	µg/L	EPA 525.2m	0.038	0.05			
2017/18-3	MO-MPK	matrix spike, rec	3/21/2018	Pesticide	Malathion	n/a	=	104	%	EPA 525.2m	-88	-88	6	184	
2017/18-3	MO-MPK	matrix spike dup	3/21/2018	Pesticide	Malathion	n/a	=	0.17	µg/L	EPA 525.2m	0.038	0.05			
2017/18-3	MO-MPK	matrix spike dup, rec	3/21/2018	Pesticide	Malathion	n/a	=	68	%	EPA 525.2m	-88	-88	6	184	
2017/18-3	MO-MPK	matrix spike, RPD	3/21/2018	Pesticide	Malathion	n/a	=	42	%	EPA 525.2m	-88	-88	0	30	IL
2017/18-3	000NONPJ	matrix spike	3/19/2018	Pesticide	Merphos	n/a	=	0.0306	µg/L	EPA 525.2m	0.0058	0.01			
2017/18-3	000NONPJ	matrix spike, rec	3/19/2018	Pesticide	Merphos	n/a	=	61	%	EPA 525.2m	-88	-88	3	210	
2017/18-3	000NONPJ	matrix spike dup	3/19/2018	Pesticide	Merphos	n/a	=	0.023	µg/L	EPA 525.2m	0.0058	0.01			
2017/18-3	000NONPJ	matrix spike dup, rec	3/19/2018	Pesticide	Merphos	n/a	=	46	%	EPA 525.2m	-88	-88	3	210	
2017/18-3	000NONPJ	matrix spike, RPD	3/19/2018	Pesticide	Merphos	n/a	=	28	%	EPA 525.2m	-88	-88	0	30	
2017/18-3	Lab	method blank	3/19/2018	Pesticide	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01			
2017/18-3	Lab	LCS	3/19/2018	Pesticide	Merphos	n/a	=	0.0386	µg/L	EPA 525.2m	0.0058	0.01			
2017/18-3	Lab	LCS, rec	3/19/2018	Pesticide	Merphos	n/a	=	77	%	EPA 525.2m	-88	-88	28	181	
2017/18-3	Lab	method blank	3/21/2018	Pesticide	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01			
2017/18-3	Lab	LCS	3/21/2018	Pesticide	Merphos	n/a	=	0.038	µg/L	EPA 525.2m	0.0058	0.01			
2017/18-3	Lab	LCS, rec	3/21/2018	Pesticide	Merphos	n/a	=	76	%	EPA 525.2m	-88	-88	28	181	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-3	MO-MPK	matrix spike	3/21/2018	Pesticide	Merphos	n/a	=	0.182	µg/L	EPA 525.2m	0.029	0.05			
2017/18-3	MO-MPK	matrix spike, rec	3/21/2018	Pesticide	Merphos	n/a	=	73	%	EPA 525.2m	-88	-88	3	210	
2017/18-3	MO-MPK	matrix spike dup	3/21/2018	Pesticide	Merphos	n/a	=	0.152	µg/L	EPA 525.2m	0.029	0.05			
2017/18-3	MO-MPK	matrix spike dup, rec	3/21/2018	Pesticide	Merphos	n/a	=	61	%	EPA 525.2m	-88	-88	3	210	
2017/18-3	MO-MPK	matrix spike, RPD	3/21/2018	Pesticide	Merphos	n/a	=	18	%	EPA 525.2m	-88	-88	0	30	
2017/18-3	000NONPJ	matrix spike	3/19/2018	Pesticide	Methyl parathion	n/a	=	0.0343	µg/L	EPA 525.2m	0.0063	0.01			
2017/18-3	000NONPJ	matrix spike, rec	3/19/2018	Pesticide	Methyl parathion	n/a	=	69	%	EPA 525.2m	-88	-88	0.1	249	
2017/18-3	000NONPJ	matrix spike dup	3/19/2018	Pesticide	Methyl parathion	n/a	=	0.0454	µg/L	EPA 525.2m	0.0063	0.01			
2017/18-3	000NONPJ	matrix spike dup, rec	3/19/2018	Pesticide	Methyl parathion	n/a	=	91	%	EPA 525.2m	-88	-88	0.1	249	
2017/18-3	000NONPJ	matrix spike, RPD	3/19/2018	Pesticide	Methyl parathion	n/a	=	28	%	EPA 525.2m	-88	-88	0	30	
2017/18-3	Lab	method blank	3/19/2018	Pesticide	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01			
2017/18-3	Lab	LCS	3/19/2018	Pesticide	Methyl parathion	n/a	=	0.0251	µg/L	EPA 525.2m	0.0063	0.01			
2017/18-3	Lab	LCS, rec	3/19/2018	Pesticide	Methyl parathion	n/a	=	50	%	EPA 525.2m	-88	-88	0.1	252	
2017/18-3	Lab	method blank	3/21/2018	Pesticide	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01			
2017/18-3	Lab	LCS	3/21/2018	Pesticide	Methyl parathion	n/a	=	0.0246	µg/L	EPA 525.2m	0.0063	0.01			
2017/18-3	Lab	LCS, rec	3/21/2018	Pesticide	Methyl parathion	n/a	=	49	%	EPA 525.2m	-88	-88	0.1	252	
2017/18-3	MO-MPK	matrix spike	3/21/2018	Pesticide	Methyl parathion	n/a	=	0.236	µg/L	EPA 525.2m	0.032	0.05			
2017/18-3	MO-MPK	matrix spike, rec	3/21/2018	Pesticide	Methyl parathion	n/a	=	94	%	EPA 525.2m	-88	-88	0.1	249	
2017/18-3	MO-MPK	matrix spike dup	3/21/2018	Pesticide	Methyl parathion	n/a	=	0.166	µg/L	EPA 525.2m	0.032	0.05			
2017/18-3	MO-MPK	matrix spike dup, rec	3/21/2018	Pesticide	Methyl parathion	n/a	=	66	%	EPA 525.2m	-88	-88	0.1	249	
2017/18-3	MO-MPK	matrix spike, RPD	3/21/2018	Pesticide	Methyl parathion	n/a	=	35	%	EPA 525.2m	-88	-88	0	30	IL
2017/18-3	Lab	method blank	3/22/2018	Pesticide	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2017/18-3	Lab	LCS	3/22/2018	Pesticide	Metolachlor	n/a	=	4.93	µg/L	EPA 525.2	0.012	0.1			
2017/18-3	Lab	LCS, rec	3/22/2018	Pesticide	Metolachlor	n/a	=	99	%	EPA 525.2	-88	-88	60	130	
2017/18-3	Lab	LCS dup	3/22/2018	Pesticide	Metolachlor	n/a	=	5.09	µg/L	EPA 525.2	0.012	0.1			
2017/18-3	Lab	LCS dup, rec	3/22/2018	Pesticide	Metolachlor	n/a	=	102	%	EPA 525.2	-88	-88	60	130	
2017/18-3	Lab	LCS, RPD	3/22/2018	Pesticide	Metolachlor	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2017/18-3	Lab	method blank	3/22/2018	Pesticide	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2017/18-3	Lab	LCS	3/22/2018	Pesticide	Metribuzin	n/a	=	4.59	µg/L	EPA 525.2	0.015	0.1			
2017/18-3	Lab	LCS, rec	3/22/2018	Pesticide	Metribuzin	n/a	=	92	%	EPA 525.2	-88	-88	50	120	
2017/18-3	Lab	LCS dup	3/22/2018	Pesticide	Metribuzin	n/a	=	4.75	µg/L	EPA 525.2	0.015	0.1			
2017/18-3	Lab	LCS dup, rec	3/22/2018	Pesticide	Metribuzin	n/a	=	95	%	EPA 525.2	-88	-88	50	120	
2017/18-3	Lab	LCS, RPD	3/22/2018	Pesticide	Metribuzin	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2017/18-3	000NONPJ	matrix spike	3/19/2018	Pesticide	Mevinphos	n/a	=	0.071	µg/L	EPA 525.2m	0.0042	0.01			
2017/18-3	000NONPJ	matrix spike, rec	3/19/2018	Pesticide	Mevinphos	n/a	=	142	%	EPA 525.2m	-88	-88	25	189	
2017/18-3	000NONPJ	matrix spike dup	3/19/2018	Pesticide	Mevinphos	n/a	=	0.0633	µg/L	EPA 525.2m	0.0042	0.01			
2017/18-3	000NONPJ	matrix spike dup, rec	3/19/2018	Pesticide	Mevinphos	n/a	=	127	%	EPA 525.2m	-88	-88	25	189	
2017/18-3	000NONPJ	matrix spike, RPD	3/19/2018	Pesticide	Mevinphos	n/a	=	11	%	EPA 525.2m	-88	-88	0	30	
2017/18-3	Lab	method blank	3/19/2018	Pesticide	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01			
2017/18-3	Lab	LCS	3/19/2018	Pesticide	Mevinphos	n/a	=	0.0299	µg/L	EPA 525.2m	0.0042	0.01			
2017/18-3	Lab	LCS, rec	3/19/2018	Pesticide	Mevinphos	n/a	=	60	%	EPA 525.2m	-88	-88	14	202	
2017/18-3	Lab	method blank	3/21/2018	Pesticide	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01			
2017/18-3	Lab	LCS	3/21/2018	Pesticide	Mevinphos	n/a	=	0.034	µg/L	EPA 525.2m	0.0042	0.01			
2017/18-3	Lab	LCS, rec	3/21/2018	Pesticide	Mevinphos	n/a	=	68	%	EPA 525.2m	-88	-88	14	202	
2017/18-3	MO-MPK	matrix spike	3/21/2018	Pesticide	Mevinphos	n/a	=	0.27	µg/L	EPA 525.2m	0.021	0.05			
2017/18-3	MO-MPK	matrix spike, rec	3/21/2018	Pesticide	Mevinphos	n/a	=	108	%	EPA 525.2m	-88	-88	25	189	
2017/18-3	MO-MPK	matrix spike dup	3/21/2018	Pesticide	Mevinphos	n/a	=	0.222	µg/L	EPA 525.2m	0.021	0.05			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-3	MO-MPK	matrix spike dup, rec	3/21/2018	Pesticide	Mevinphos	n/a	=	89	%	EPA 525.2m	-88	-88	25	189	
2017/18-3	MO-MPK	matrix spike, RPD	3/21/2018	Pesticide	Mevinphos	n/a	=	19	%	EPA 525.2m	-88	-88	0	30	
2017/18-3	Lab	method blank	3/22/2018	Pesticide	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1			
2017/18-3	Lab	LCS	3/22/2018	Pesticide	Molinate	n/a	=	4.83	µg/L	EPA 525.2	0.039	0.1			
2017/18-3	Lab	LCS, rec	3/22/2018	Pesticide	Molinate	n/a	=	97	%	EPA 525.2	-88	-88	70	130	
2017/18-3	Lab	LCS dup	3/22/2018	Pesticide	Molinate	n/a	=	5	µg/L	EPA 525.2	0.039	0.1			
2017/18-3	Lab	LCS dup, rec	3/22/2018	Pesticide	Molinate	n/a	=	100	%	EPA 525.2	-88	-88	70	130	
2017/18-3	Lab	LCS, RPD	3/22/2018	Pesticide	Molinate	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2017/18-3	000NONPJ	matrix spike	3/19/2018	Pesticide	Naled	n/a	=	0.0194	µg/L	EPA 525.2m	0.0076	0.01			
2017/18-3	000NONPJ	matrix spike, rec	3/19/2018	Pesticide	Naled	n/a	=	39	%	EPA 525.2m	-88	-88	0.1	242	
2017/18-3	000NONPJ	matrix spike dup	3/19/2018	Pesticide	Naled	n/a	=	0.0202	µg/L	EPA 525.2m	0.0076	0.01			
2017/18-3	000NONPJ	matrix spike dup, rec	3/19/2018	Pesticide	Naled	n/a	=	40	%	EPA 525.2m	-88	-88	0.1	242	
2017/18-3	000NONPJ	matrix spike, RPD	3/19/2018	Pesticide	Naled	n/a	=	4	%	EPA 525.2m	-88	-88	0	30	
2017/18-3	Lab	method blank	3/19/2018	Pesticide	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01			
2017/18-3	Lab	LCS	3/19/2018	Pesticide	Naled	n/a	=	0.0115	µg/L	EPA 525.2m	0.0076	0.01			
2017/18-3	Lab	LCS, rec	3/19/2018	Pesticide	Naled	n/a	=	23	%	EPA 525.2m	-88	-88	0.1	240	
2017/18-3	Lab	method blank	3/21/2018	Pesticide	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01			
2017/18-3	Lab	LCS	3/21/2018	Pesticide	Naled	n/a	DNQ	0.003	µg/L	EPA 525.2m	0	0.01			
2017/18-3	Lab	LCS, rec	3/21/2018	Pesticide	Naled	n/a	=	6	%	EPA 525.2m	-88	-88	0.1	240	
2017/18-3	MO-MPK	matrix spike	3/21/2018	Pesticide	Naled	n/a	=	0.0694	µg/L	EPA 525.2m	0.038	0.05			
2017/18-3	MO-MPK	matrix spike, rec	3/21/2018	Pesticide	Naled	n/a	=	28	%	EPA 525.2m	-88	-88	0.1	242	
2017/18-3	MO-MPK	matrix spike dup	3/21/2018	Pesticide	Naled	n/a	=	0.0606	µg/L	EPA 525.2m	0.038	0.05			
2017/18-3	MO-MPK	matrix spike dup, rec	3/21/2018	Pesticide	Naled	n/a	=	24	%	EPA 525.2m	-88	-88	0.1	242	
2017/18-3	MO-MPK	matrix spike, RPD	3/21/2018	Pesticide	Naled	n/a	=	14	%	EPA 525.2m	-88	-88	0	30	
2017/18-3	000NONPJ	matrix spike	3/16/2018	Pesticide	Pentachlorophenol	n/a	=	3.49	µg/L	EPA 515.3	0.04	0.2			
2017/18-3	000NONPJ	matrix spike, rec	3/16/2018	Pesticide	Pentachlorophenol	n/a	=	87	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike dup	3/16/2018	Pesticide	Pentachlorophenol	n/a	=	3.42	µg/L	EPA 515.3	0.04	0.2			
2017/18-3	000NONPJ	matrix spike dup, rec	3/16/2018	Pesticide	Pentachlorophenol	n/a	=	85	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike, RPD	3/16/2018	Pesticide	Pentachlorophenol	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2017/18-3	000NONPJ	matrix spike	3/16/2018	Pesticide	Pentachlorophenol	n/a	=	3.57	µg/L	EPA 515.3	0.04	0.2			
2017/18-3	000NONPJ	matrix spike, rec	3/16/2018	Pesticide	Pentachlorophenol	n/a	=	84	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike dup	3/16/2018	Pesticide	Pentachlorophenol	n/a	=	3.24	µg/L	EPA 515.3	0.04	0.2			
2017/18-3	000NONPJ	matrix spike dup, rec	3/16/2018	Pesticide	Pentachlorophenol	n/a	=	76	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike, RPD	3/16/2018	Pesticide	Pentachlorophenol	n/a	=	10	%	EPA 515.3	-88	-88	0	30	
2017/18-3	000NONPJ	matrix spike	3/21/2018	Pesticide	Pentachlorophenol	n/a	=	3.73	µg/L	EPA 515.3	0.04	0.2			
2017/18-3	000NONPJ	matrix spike, rec	3/21/2018	Pesticide	Pentachlorophenol	n/a	=	93	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike dup	3/21/2018	Pesticide	Pentachlorophenol	n/a	=	4.2	µg/L	EPA 515.3	0.04	0.2			
2017/18-3	000NONPJ	matrix spike dup, rec	3/21/2018	Pesticide	Pentachlorophenol	n/a	=	105	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike, RPD	3/21/2018	Pesticide	Pentachlorophenol	n/a	=	12	%	EPA 515.3	-88	-88	0	30	
2017/18-3	Lab	method blank	3/16/2018	Pesticide	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2			
2017/18-3	Lab	LCS	3/16/2018	Pesticide	Pentachlorophenol	n/a	=	4.15	µg/L	EPA 515.3	0.04	0.2			
2017/18-3	Lab	LCS, rec	3/16/2018	Pesticide	Pentachlorophenol	n/a	=	104	%	EPA 515.3	-88	-88	70	130	
2017/18-3	Lab	method blank	3/21/2018	Pesticide	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2			
2017/18-3	Lab	LCS	3/21/2018	Pesticide	Pentachlorophenol	n/a	=	3.63	µg/L	EPA 515.3	0.04	0.2			
2017/18-3	Lab	LCS, rec	3/21/2018	Pesticide	Pentachlorophenol	n/a	=	91	%	EPA 515.3	-88	-88	70	130	
2017/18-3	Lab	method blank	3/22/2018	Pesticide	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2017/18-3	Lab	LCS	3/22/2018	Pesticide	Pentachlorophenol	n/a	=	13.4	µg/L	EPA 625	0.19	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-3	Lab	LCS, rec	3/22/2018	Pesticide	Pentachlorophenol	n/a	=	54	%	EPA 625	-88	-88	14	176	
2017/18-3	Lab	LCS dup	3/22/2018	Pesticide	Pentachlorophenol	n/a	=	13.2	µg/L	EPA 625	0.19	1			
2017/18-3	Lab	LCS dup, rec	3/22/2018	Pesticide	Pentachlorophenol	n/a	=	53	%	EPA 625	-88	-88	14	176	
2017/18-3	Lab	LCS, RPD	3/22/2018	Pesticide	Pentachlorophenol	n/a	=	2	%	EPA 625	-88	-88	0	30	
2017/18-3	Lab	method blank	3/23/2018	Pesticide	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1			
2017/18-3	Lab	LCS	3/23/2018	Pesticide	Pentachlorophenol	n/a	=	8.79	µg/L	EPA 8270C	0.15	1			
2017/18-3	Lab	LCS, rec	3/23/2018	Pesticide	Pentachlorophenol	n/a	=	88	%	EPA 8270C	-88	-88	29	106	
2017/18-3	Lab	LCS dup	3/23/2018	Pesticide	Pentachlorophenol	n/a	=	4.49	µg/L	EPA 8270C	0.15	1			
2017/18-3	Lab	LCS dup, rec	3/23/2018	Pesticide	Pentachlorophenol	n/a	=	45	%	EPA 8270C	-88	-88	29	106	
2017/18-3	Lab	LCS, RPD	3/23/2018	Pesticide	Pentachlorophenol	n/a	=	65	%	EPA 8270C	-88	-88	0	30	IL
2017/18-3	000NONPJ	matrix spike	3/19/2018	Pesticide	Phorate	n/a	=	0.0501	µg/L	EPA 525.2m	0.003	0.01			
2017/18-3	000NONPJ	matrix spike, rec	3/19/2018	Pesticide	Phorate	n/a	=	100	%	EPA 525.2m	-88	-88	31	181	
2017/18-3	000NONPJ	matrix spike dup	3/19/2018	Pesticide	Phorate	n/a	=	0.0494	µg/L	EPA 525.2m	0.003	0.01			
2017/18-3	000NONPJ	matrix spike dup, rec	3/19/2018	Pesticide	Phorate	n/a	=	99	%	EPA 525.2m	-88	-88	31	181	
2017/18-3	000NONPJ	matrix spike, RPD	3/19/2018	Pesticide	Phorate	n/a	=	1	%	EPA 525.2m	-88	-88	0	30	
2017/18-3	Lab	method blank	3/19/2018	Pesticide	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01			
2017/18-3	Lab	LCS	3/19/2018	Pesticide	Phorate	n/a	=	0.0368	µg/L	EPA 525.2m	0.003	0.01			
2017/18-3	Lab	LCS, rec	3/19/2018	Pesticide	Phorate	n/a	=	74	%	EPA 525.2m	-88	-88	26	180	
2017/18-3	Lab	method blank	3/21/2018	Pesticide	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01			
2017/18-3	Lab	LCS	3/21/2018	Pesticide	Phorate	n/a	=	0.0345	µg/L	EPA 525.2m	0.003	0.01			
2017/18-3	Lab	LCS, rec	3/21/2018	Pesticide	Phorate	n/a	=	69	%	EPA 525.2m	-88	-88	26	180	
2017/18-3	MO-MPK	matrix spike	3/21/2018	Pesticide	Phorate	n/a	=	0.224	µg/L	EPA 525.2m	0.015	0.05			
2017/18-3	MO-MPK	matrix spike, rec	3/21/2018	Pesticide	Phorate	n/a	=	90	%	EPA 525.2m	-88	-88	31	181	
2017/18-3	MO-MPK	matrix spike dup	3/21/2018	Pesticide	Phorate	n/a	=	0.188	µg/L	EPA 525.2m	0.015	0.05			
2017/18-3	MO-MPK	matrix spike dup, rec	3/21/2018	Pesticide	Phorate	n/a	=	75	%	EPA 525.2m	-88	-88	31	181	
2017/18-3	MO-MPK	matrix spike, RPD	3/21/2018	Pesticide	Phorate	n/a	=	17	%	EPA 525.2m	-88	-88	0	30	
2017/18-3	000NONPJ	matrix spike	3/16/2018	Pesticide	Picloram	n/a	=	4.54	µg/L	EPA 515.3	0.05	0.6			
2017/18-3	000NONPJ	matrix spike, rec	3/16/2018	Pesticide	Picloram	n/a	=	114	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike dup	3/16/2018	Pesticide	Picloram	n/a	=	4.58	µg/L	EPA 515.3	0.05	0.6			
2017/18-3	000NONPJ	matrix spike dup, rec	3/16/2018	Pesticide	Picloram	n/a	=	115	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike, RPD	3/16/2018	Pesticide	Picloram	n/a	=	0.9	%	EPA 515.3	-88	-88	0	30	
2017/18-3	000NONPJ	matrix spike	3/16/2018	Pesticide	Picloram	n/a	=	3.58	µg/L	EPA 515.3	0.05	0.6			
2017/18-3	000NONPJ	matrix spike, rec	3/16/2018	Pesticide	Picloram	n/a	=	90	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike dup	3/16/2018	Pesticide	Picloram	n/a	=	3.39	µg/L	EPA 515.3	0.05	0.6			
2017/18-3	000NONPJ	matrix spike dup, rec	3/16/2018	Pesticide	Picloram	n/a	=	85	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike, RPD	3/16/2018	Pesticide	Picloram	n/a	=	6	%	EPA 515.3	-88	-88	0	30	
2017/18-3	000NONPJ	matrix spike	3/21/2018	Pesticide	Picloram	n/a	=	4.2	µg/L	EPA 515.3	0.05	0.6			
2017/18-3	000NONPJ	matrix spike, rec	3/21/2018	Pesticide	Picloram	n/a	=	105	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike dup	3/21/2018	Pesticide	Picloram	n/a	=	4.45	µg/L	EPA 515.3	0.05	0.6			
2017/18-3	000NONPJ	matrix spike dup, rec	3/21/2018	Pesticide	Picloram	n/a	=	111	%	EPA 515.3	-88	-88	70	130	
2017/18-3	000NONPJ	matrix spike, RPD	3/21/2018	Pesticide	Picloram	n/a	=	6	%	EPA 515.3	-88	-88	0	30	
2017/18-3	Lab	method blank	3/16/2018	Pesticide	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6			
2017/18-3	Lab	LCS	3/16/2018	Pesticide	Picloram	n/a	=	4.14	µg/L	EPA 515.3	0.05	0.6			
2017/18-3	Lab	LCS, rec	3/16/2018	Pesticide	Picloram	n/a	=	104	%	EPA 515.3	-88	-88	70	130	
2017/18-3	Lab	method blank	3/21/2018	Pesticide	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6			
2017/18-3	Lab	LCS	3/21/2018	Pesticide	Picloram	n/a	=	3.62	µg/L	EPA 515.3	0.05	0.6			
2017/18-3	Lab	LCS, rec	3/21/2018	Pesticide	Picloram	n/a	=	91	%	EPA 515.3	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-3	Lab	method blank	3/22/2018	Pesticide	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2017/18-3	Lab	LCS	3/22/2018	Pesticide	Prometon	n/a	=	2.15	µg/L	EPA 525.2	0.024	0.2			
2017/18-3	Lab	LCS, rec	3/22/2018	Pesticide	Prometon	n/a	=	43	%	EPA 525.2	-88	-88	15	120	
2017/18-3	Lab	LCS dup	3/22/2018	Pesticide	Prometon	n/a	=	1.15	µg/L	EPA 525.2	0.024	0.2			
2017/18-3	Lab	LCS dup, rec	3/22/2018	Pesticide	Prometon	n/a	=	23	%	EPA 525.2	-88	-88	15	120	
2017/18-3	Lab	LCS, RPD	3/22/2018	Pesticide	Prometon	n/a	=	60	%	EPA 525.2	-88	-88	0	30	IL
2017/18-3	Lab	method blank	3/22/2018	Pesticide	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1			
2017/18-3	Lab	LCS	3/22/2018	Pesticide	Prometryn	n/a	=	3.77	µg/L	EPA 525.2	0.036	0.1			
2017/18-3	Lab	LCS, rec	3/22/2018	Pesticide	Prometryn	n/a	=	75	%	EPA 525.2	-88	-88	30	120	
2017/18-3	Lab	LCS dup	3/22/2018	Pesticide	Prometryn	n/a	=	3.15	µg/L	EPA 525.2	0.036	0.1			
2017/18-3	Lab	LCS dup, rec	3/22/2018	Pesticide	Prometryn	n/a	=	63	%	EPA 525.2	-88	-88	30	120	
2017/18-3	Lab	LCS, RPD	3/22/2018	Pesticide	Prometryn	n/a	=	18	%	EPA 525.2	-88	-88	0	30	
2017/18-3	000NONPJ	matrix spike	3/19/2018	Pesticide	Ronnel (Fenchlorphos)	n/a	=	0.0425	µg/L	EPA 525.2m	0.0041	0.01			
2017/18-3	000NONPJ	matrix spike, rec	3/19/2018	Pesticide	Ronnel (Fenchlorphos)	n/a	=	85	%	EPA 525.2m	-88	-88	29	153	
2017/18-3	000NONPJ	matrix spike dup	3/19/2018	Pesticide	Ronnel (Fenchlorphos)	n/a	=	0.0516	µg/L	EPA 525.2m	0.0041	0.01			
2017/18-3	000NONPJ	matrix spike dup, rec	3/19/2018	Pesticide	Ronnel (Fenchlorphos)	n/a	=	103	%	EPA 525.2m	-88	-88	29	153	
2017/18-3	000NONPJ	matrix spike, RPD	3/19/2018	Pesticide	Ronnel (Fenchlorphos)	n/a	=	19	%	EPA 525.2m	-88	-88	0	30	
2017/18-3	Lab	method blank	3/19/2018	Pesticide	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01			
2017/18-3	Lab	LCS	3/19/2018	Pesticide	Ronnel (Fenchlorphos)	n/a	=	0.0299	µg/L	EPA 525.2m	0.0041	0.01			
2017/18-3	Lab	LCS, rec	3/19/2018	Pesticide	Ronnel (Fenchlorphos)	n/a	=	60	%	EPA 525.2m	-88	-88	34	154	
2017/18-3	Lab	method blank	3/21/2018	Pesticide	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01			
2017/18-3	Lab	LCS	3/21/2018	Pesticide	Ronnel (Fenchlorphos)	n/a	=	0.0317	µg/L	EPA 525.2m	0.0041	0.01			
2017/18-3	Lab	LCS, rec	3/21/2018	Pesticide	Ronnel (Fenchlorphos)	n/a	=	63	%	EPA 525.2m	-88	-88	34	154	
2017/18-3	MO-MPK	matrix spike	3/21/2018	Pesticide	Ronnel (Fenchlorphos)	n/a	=	0.275	µg/L	EPA 525.2m	0.02	0.05			
2017/18-3	MO-MPK	matrix spike, rec	3/21/2018	Pesticide	Ronnel (Fenchlorphos)	n/a	=	110	%	EPA 525.2m	-88	-88	29	153	
2017/18-3	MO-MPK	matrix spike dup	3/21/2018	Pesticide	Ronnel (Fenchlorphos)	n/a	=	0.202	µg/L	EPA 525.2m	0.02	0.05			
2017/18-3	MO-MPK	matrix spike dup, rec	3/21/2018	Pesticide	Ronnel (Fenchlorphos)	n/a	=	81	%	EPA 525.2m	-88	-88	29	153	
2017/18-3	MO-MPK	matrix spike, RPD	3/21/2018	Pesticide	Ronnel (Fenchlorphos)	n/a	=	31	%	EPA 525.2m	-88	-88	0	30	IL
2017/18-3	Lab	method blank	3/22/2018	Pesticide	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2017/18-3	Lab	LCS	3/22/2018	Pesticide	Simazine	n/a	=	4.4	µg/L	EPA 525.2	0.015	0.1			
2017/18-3	Lab	LCS, rec	3/22/2018	Pesticide	Simazine	n/a	=	88	%	EPA 525.2	-88	-88	60	130	
2017/18-3	Lab	LCS dup	3/22/2018	Pesticide	Simazine	n/a	=	5	µg/L	EPA 525.2	0.015	0.1			
2017/18-3	Lab	LCS dup, rec	3/22/2018	Pesticide	Simazine	n/a	=	100	%	EPA 525.2	-88	-88	60	130	
2017/18-3	Lab	LCS, RPD	3/22/2018	Pesticide	Simazine	n/a	=	13	%	EPA 525.2	-88	-88	0	30	
2017/18-3	000NONPJ	matrix spike	3/19/2018	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0364	µg/L	EPA 525.2m	0.0031	0.01			
2017/18-3	000NONPJ	matrix spike, rec	3/19/2018	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	73	%	EPA 525.2m	-88	-88	0.1	167	
2017/18-3	000NONPJ	matrix spike dup	3/19/2018	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0491	µg/L	EPA 525.2m	0.0031	0.01			
2017/18-3	000NONPJ	matrix spike dup, rec	3/19/2018	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	98	%	EPA 525.2m	-88	-88	0.1	167	
2017/18-3	000NONPJ	matrix spike, RPD	3/19/2018	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	30	%	EPA 525.2m	-88	-88	0	30	
2017/18-3	Lab	method blank	3/19/2018	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01			
2017/18-3	Lab	LCS	3/19/2018	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0201	µg/L	EPA 525.2m	0.0031	0.01			
2017/18-3	Lab	LCS, rec	3/19/2018	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	40	%	EPA 525.2m	-88	-88	0.1	188	
2017/18-3	Lab	method blank	3/21/2018	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01			
2017/18-3	Lab	LCS	3/21/2018	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0244	µg/L	EPA 525.2m	0.0031	0.01			
2017/18-3	Lab	LCS, rec	3/21/2018	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	49	%	EPA 525.2m	-88	-88	0.1	188	
2017/18-3	MO-MPK	matrix spike	3/21/2018	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.344	µg/L	EPA 525.2m	0.016	0.05			
2017/18-3	MO-MPK	matrix spike, rec	3/21/2018	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	138	%	EPA 525.2m	-88	-88	0.1	167	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-3	MO-MPK	matrix spike dup	3/21/2018	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.206	µg/L	EPA 525.2m	0.016	0.05			
2017/18-3	MO-MPK	matrix spike dup, rec	3/21/2018	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	82	%	EPA 525.2m	-88	-88	0.1	167	
2017/18-3	MO-MPK	matrix spike, RPD	3/21/2018	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	50	%	EPA 525.2m	-88	-88	0	30	IL
2017/18-3	Lab	method blank	3/22/2018	Pesticide	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2			
2017/18-3	Lab	LCS	3/22/2018	Pesticide	Terbacil	n/a	=	5.08	µg/L	EPA 525.2	0.55	2			
2017/18-3	Lab	LCS, rec	3/22/2018	Pesticide	Terbacil	n/a	=	102	%	EPA 525.2	-88	-88	70	130	
2017/18-3	Lab	LCS dup	3/22/2018	Pesticide	Terbacil	n/a	=	5.58	µg/L	EPA 525.2	0.55	2			
2017/18-3	Lab	LCS dup, rec	3/22/2018	Pesticide	Terbacil	n/a	=	112	%	EPA 525.2	-88	-88	70	130	
2017/18-3	Lab	LCS, RPD	3/22/2018	Pesticide	Terbacil	n/a	=	9	%	EPA 525.2	-88	-88	0	30	
2017/18-3	Lab	method blank	3/22/2018	Pesticide	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2			
2017/18-3	Lab	LCS	3/22/2018	Pesticide	Thiobencarb	n/a	=	4.75	µg/L	EPA 525.2	0.025	0.2			
2017/18-3	Lab	LCS, rec	3/22/2018	Pesticide	Thiobencarb	n/a	=	95	%	EPA 525.2	-88	-88	70	130	
2017/18-3	Lab	LCS dup	3/22/2018	Pesticide	Thiobencarb	n/a	=	4.87	µg/L	EPA 525.2	0.025	0.2			
2017/18-3	Lab	LCS dup, rec	3/22/2018	Pesticide	Thiobencarb	n/a	=	97	%	EPA 525.2	-88	-88	70	130	
2017/18-3	Lab	LCS, RPD	3/22/2018	Pesticide	Thiobencarb	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2017/18-3	000NONPJ	matrix spike	3/19/2018	Pesticide	Tokuthion	n/a	=	0.0481	µg/L	EPA 525.2m	0.0078	0.01			
2017/18-3	000NONPJ	matrix spike, rec	3/19/2018	Pesticide	Tokuthion	n/a	=	96	%	EPA 525.2m	-88	-88	27	160	
2017/18-3	000NONPJ	matrix spike dup	3/19/2018	Pesticide	Tokuthion	n/a	=	0.0401	µg/L	EPA 525.2m	0.0078	0.01			
2017/18-3	000NONPJ	matrix spike dup, rec	3/19/2018	Pesticide	Tokuthion	n/a	=	80	%	EPA 525.2m	-88	-88	27	160	
2017/18-3	000NONPJ	matrix spike, RPD	3/19/2018	Pesticide	Tokuthion	n/a	=	18	%	EPA 525.2m	-88	-88	0	30	
2017/18-3	Lab	method blank	3/19/2018	Pesticide	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01			
2017/18-3	Lab	LCS	3/19/2018	Pesticide	Tokuthion	n/a	=	0.0481	µg/L	EPA 525.2m	0.0078	0.01			
2017/18-3	Lab	LCS, rec	3/19/2018	Pesticide	Tokuthion	n/a	=	96	%	EPA 525.2m	-88	-88	23	159	
2017/18-3	Lab	method blank	3/21/2018	Pesticide	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01			
2017/18-3	Lab	LCS	3/21/2018	Pesticide	Tokuthion	n/a	=	0.0442	µg/L	EPA 525.2m	0.0078	0.01			
2017/18-3	Lab	LCS, rec	3/21/2018	Pesticide	Tokuthion	n/a	=	88	%	EPA 525.2m	-88	-88	23	159	
2017/18-3	MO-MPK	matrix spike	3/21/2018	Pesticide	Tokuthion	n/a	=	0.181	µg/L	EPA 525.2m	0.039	0.05			
2017/18-3	MO-MPK	matrix spike, rec	3/21/2018	Pesticide	Tokuthion	n/a	=	72	%	EPA 525.2m	-88	-88	27	160	
2017/18-3	MO-MPK	matrix spike dup	3/21/2018	Pesticide	Tokuthion	n/a	=	0.159	µg/L	EPA 525.2m	0.039	0.05			
2017/18-3	MO-MPK	matrix spike dup, rec	3/21/2018	Pesticide	Tokuthion	n/a	=	64	%	EPA 525.2m	-88	-88	27	160	
2017/18-3	MO-MPK	matrix spike, RPD	3/21/2018	Pesticide	Tokuthion	n/a	=	12	%	EPA 525.2m	-88	-88	0	30	
2017/18-3	000NONPJ	matrix spike	3/19/2018	Pesticide	Trichloronate	n/a	=	0.041	µg/L	EPA 525.2m	0.0067	0.01			
2017/18-3	000NONPJ	matrix spike, rec	3/19/2018	Pesticide	Trichloronate	n/a	=	82	%	EPA 525.2m	-88	-88	40	150	
2017/18-3	000NONPJ	matrix spike dup	3/19/2018	Pesticide	Trichloronate	n/a	=	0.0509	µg/L	EPA 525.2m	0.0067	0.01			
2017/18-3	000NONPJ	matrix spike dup, rec	3/19/2018	Pesticide	Trichloronate	n/a	=	102	%	EPA 525.2m	-88	-88	40	150	
2017/18-3	000NONPJ	matrix spike, RPD	3/19/2018	Pesticide	Trichloronate	n/a	=	22	%	EPA 525.2m	-88	-88	0	30	
2017/18-3	Lab	method blank	3/19/2018	Pesticide	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01			
2017/18-3	Lab	LCS	3/19/2018	Pesticide	Trichloronate	n/a	=	0.0293	µg/L	EPA 525.2m	0.0067	0.01			
2017/18-3	Lab	LCS, rec	3/19/2018	Pesticide	Trichloronate	n/a	=	59	%	EPA 525.2m	-88	-88	34	153	
2017/18-3	Lab	method blank	3/21/2018	Pesticide	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01			
2017/18-3	Lab	LCS	3/21/2018	Pesticide	Trichloronate	n/a	=	0.0325	µg/L	EPA 525.2m	0.0067	0.01			
2017/18-3	Lab	LCS, rec	3/21/2018	Pesticide	Trichloronate	n/a	=	65	%	EPA 525.2m	-88	-88	34	153	
2017/18-3	MO-MPK	matrix spike	3/21/2018	Pesticide	Trichloronate	n/a	=	0.275	µg/L	EPA 525.2m	0.034	0.05			
2017/18-3	MO-MPK	matrix spike, rec	3/21/2018	Pesticide	Trichloronate	n/a	=	110	%	EPA 525.2m	-88	-88	40	150	
2017/18-3	MO-MPK	matrix spike dup	3/21/2018	Pesticide	Trichloronate	n/a	=	0.19	µg/L	EPA 525.2m	0.034	0.05			
2017/18-3	MO-MPK	matrix spike dup, rec	3/21/2018	Pesticide	Trichloronate	n/a	=	76	%	EPA 525.2m	-88	-88	40	150	
2017/18-3	MO-MPK	matrix spike, RPD	3/21/2018	Pesticide	Trichloronate	n/a	=	37	%	EPA 525.2m	-88	-88	0	30	IL

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-3	Lab	method blank	3/22/2018	Pesticide	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2017/18-3	Lab	LCS	3/22/2018	Pesticide	Trithion	n/a	=	4.81	µg/L	EPA 525.2	0.012	0.1			
2017/18-3	Lab	LCS, rec	3/22/2018	Pesticide	Trithion	n/a	=	96	%	EPA 525.2	-88	-88	70	130	
2017/18-3	Lab	LCS dup	3/22/2018	Pesticide	Trithion	n/a	=	4.48	µg/L	EPA 525.2	0.012	0.1			
2017/18-3	Lab	LCS dup, rec	3/22/2018	Pesticide	Trithion	n/a	=	90	%	EPA 525.2	-88	-88	70	130	
2017/18-3	Lab	LCS, RPD	3/22/2018	Pesticide	Trithion	n/a	=	7	%	EPA 525.2	-88	-88	0	30	
2017/18-4	000NONPJ	matrix spike	3/25/2018	Anion	Chloride	n/a	=	124	mg/L	EPA 300.0	1	5			
2017/18-4	000NONPJ	matrix spike	3/25/2018	Anion	Chloride	n/a	=	123	mg/L	EPA 300.0	1	5			
2017/18-4	000NONPJ	matrix spike dup	3/25/2018	Anion	Chloride	n/a	=	123	mg/L	EPA 300.0	1	5			
2017/18-4	000NONPJ	matrix spike dup	3/25/2018	Anion	Chloride	n/a	=	124	mg/L	EPA 300.0	1	5			
2017/18-4	000NONPJ	matrix spike dup, rec	3/25/2018	Anion	Chloride	n/a	=	101	%	EPA 300.0	-88	-88	76	118	
2017/18-4	000NONPJ	matrix spike dup, rec	3/25/2018	Anion	Chloride	n/a	=	101	%	EPA 300.0	-88	-88	76	118	
2017/18-4	000NONPJ	matrix spike, rec	3/25/2018	Anion	Chloride	n/a	=	101	%	EPA 300.0	-88	-88	76	118	
2017/18-4	000NONPJ	matrix spike, rec	3/25/2018	Anion	Chloride	n/a	=	101	%	EPA 300.0	-88	-88	76	118	
2017/18-4	000NONPJ	matrix spike, RPD	3/25/2018	Anion	Chloride	n/a	=	0.09	%	EPA 300.0	-88	-88	0	20	
2017/18-4	000NONPJ	matrix spike, RPD	3/25/2018	Anion	Chloride	n/a	=	0.2	%	EPA 300.0	-88	-88	0	20	
2017/18-4	Lab	LCS	3/25/2018	Anion	Chloride	n/a	=	9.98	mg/L	EPA 300.0	0.1	0.5			
2017/18-4	Lab	LCS, rec	3/25/2018	Anion	Chloride	n/a	=	100	%	EPA 300.0	-88	-88	90	110	
2017/18-4	Lab	method blank	3/25/2018	Anion	Chloride	n/a	<	0.1	mg/L	EPA 300.0	0.1	0.5			
2017/18-4	000NONPJ	matrix spike	3/25/2018	Anion	Fluoride	n/a	=	10.3	mg/L	EPA 300.0	0.2	1			
2017/18-4	000NONPJ	matrix spike	3/25/2018	Anion	Fluoride	n/a	=	10.3	mg/L	EPA 300.0	0.2	1			
2017/18-4	000NONPJ	matrix spike dup	3/25/2018	Anion	Fluoride	n/a	=	10.3	mg/L	EPA 300.0	0.2	1			
2017/18-4	000NONPJ	matrix spike dup	3/25/2018	Anion	Fluoride	n/a	=	10.3	mg/L	EPA 300.0	0.2	1			
2017/18-4	000NONPJ	matrix spike dup, rec	3/25/2018	Anion	Fluoride	n/a	=	99	%	EPA 300.0	-88	-88	86	107	
2017/18-4	000NONPJ	matrix spike dup, rec	3/25/2018	Anion	Fluoride	n/a	=	99	%	EPA 300.0	-88	-88	86	107	
2017/18-4	000NONPJ	matrix spike, rec	3/25/2018	Anion	Fluoride	n/a	=	99	%	EPA 300.0	-88	-88	86	107	
2017/18-4	000NONPJ	matrix spike, rec	3/25/2018	Anion	Fluoride	n/a	=	99	%	EPA 300.0	-88	-88	86	107	
2017/18-4	000NONPJ	matrix spike, RPD	3/25/2018	Anion	Fluoride	n/a	=	0.3	%	EPA 300.0	-88	-88	0	20	
2017/18-4	000NONPJ	matrix spike, RPD	3/25/2018	Anion	Fluoride	n/a	=	0.3	%	EPA 300.0	-88	-88	0	20	
2017/18-4	Lab	LCS	3/25/2018	Anion	Fluoride	n/a	=	0.991	mg/L	EPA 300.0	0.02	0.1			
2017/18-4	Lab	LCS, rec	3/25/2018	Anion	Fluoride	n/a	=	99	%	EPA 300.0	-88	-88	90	110	
2017/18-4	Lab	method blank	3/25/2018	Anion	Fluoride	n/a	<	0.02	mg/L	EPA 300.0	0.02	0.1			
2017/18-4	000NONPJ	matrix spike	3/27/2018	Anion	Perchlorate	n/a	=	12.4	µg/L	EPA 314.0	0.95	2			
2017/18-4	000NONPJ	matrix spike, rec	3/27/2018	Anion	Perchlorate	n/a	=	97	%	EPA 314.0	-88	-88	80	120	
2017/18-4	000NONPJ	matrix spike dup	3/27/2018	Anion	Perchlorate	n/a	=	12.6	µg/L	EPA 314.0	0.95	2			
2017/18-4	000NONPJ	matrix spike dup, rec	3/27/2018	Anion	Perchlorate	n/a	=	99	%	EPA 314.0	-88	-88	80	120	
2017/18-4	000NONPJ	matrix spike, RPD	3/27/2018	Anion	Perchlorate	n/a	=	2	%	EPA 314.0	-88	-88	0	15	
2017/18-4	Lab	method blank	3/26/2018	Anion	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2			
2017/18-4	Lab	LCS	3/26/2018	Anion	Perchlorate	n/a	=	9.4	µg/L	EPA 314.0	0.95	2			
2017/18-4	Lab	LCS, rec	3/26/2018	Anion	Perchlorate	n/a	=	94	%	EPA 314.0	-88	-88	85	115	
2017/18-4	000NONPJ	matrix spike	3/25/2018	Anion	Sulfate	Total	=	189	mg/L	EPA 300.0	1	5			GB
2017/18-4	000NONPJ	matrix spike	3/25/2018	Anion	Sulfate	Total	=	165	mg/L	EPA 300.0	1	5			
2017/18-4	000NONPJ	matrix spike dup	3/25/2018	Anion	Sulfate	Total	=	165	mg/L	EPA 300.0	1	5			
2017/18-4	000NONPJ	matrix spike dup	3/25/2018	Anion	Sulfate	Total	=	189	mg/L	EPA 300.0	1	5			GB
2017/18-4	000NONPJ	matrix spike dup, rec	3/25/2018	Anion	Sulfate	Total	=	109	%	EPA 300.0	-88	-88	78	111	
2017/18-4	000NONPJ	matrix spike dup, rec	3/25/2018	Anion	Sulfate	Total	=	112	%	EPA 300.0	-88	-88	78	111	GB
2017/18-4	000NONPJ	matrix spike, rec	3/25/2018	Anion	Sulfate	Total	=	109	%	EPA 300.0	-88	-88	78	111	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-4	000NONPJ	matrix spike, rec	3/25/2018	Anion	Sulfate	Total	=	112	%	EPA 300.0	-88	-88	78	111	GB
2017/18-4	000NONPJ	matrix spike, RPD	3/25/2018	Anion	Sulfate	Total	=	0.05	%	EPA 300.0	-88	-88	0	20	
2017/18-4	000NONPJ	matrix spike, RPD	3/25/2018	Anion	Sulfate	Total	=	0.2	%	EPA 300.0	-88	-88	0	20	
2017/18-4	Lab	LCS	3/25/2018	Anion	Sulfate	Total	=	10.5	mg/L	EPA 300.0	0.1	0.5			
2017/18-4	Lab	LCS, rec	3/25/2018	Anion	Sulfate	Total	=	105	%	EPA 300.0	-88	-88	90	110	
2017/18-4	Lab	method blank	3/25/2018	Anion	Sulfate	Total	<	0.1	mg/L	EPA 300.0	0.1	0.5			
2017/18-4	MO-HUE	field duplicate	3/22/2018	Bacteriological	E. Coli	n/a	=	17329	MPN/100 mL	MMO-MUG	10	10	-88	-88	
2017/18-4	MO-HUE	field duplicate	3/25/2018	Bacteriological	Fecal Coliform	n/a	=	92000	MPN/100 mL	SM 9221 E	2	2	-88	-88	
2017/18-4	MO-HUE	field duplicate	3/22/2018	Bacteriological	Total Coliform	n/a	=	155310	MPN/100 mL	MMO-MUG	100	100	-88	-88	
2017/18-4	000NONPJ	matrix spike	4/4/2018	Cation	Calcium	Total	=	59.1	mg/L	EPA 200.7	0.016	0.1			
2017/18-4	000NONPJ	matrix spike, rec	4/4/2018	Cation	Calcium	Total	=	89	%	EPA 200.7	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike dup	4/4/2018	Cation	Calcium	Total	=	58.4	mg/L	EPA 200.7	0.016	0.1			
2017/18-4	000NONPJ	matrix spike dup, rec	4/4/2018	Cation	Calcium	Total	=	88	%	EPA 200.7	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike, RPD	4/4/2018	Cation	Calcium	Total	=	1	%	EPA 200.7	-88	-88	0	30	
2017/18-4	000NONPJ	matrix spike	4/4/2018	Cation	Calcium	Total	=	61.6	mg/L	EPA 200.7	0.016	0.1			
2017/18-4	000NONPJ	matrix spike, rec	4/4/2018	Cation	Calcium	Total	=	89	%	EPA 200.7	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike dup	4/4/2018	Cation	Calcium	Total	=	61.6	mg/L	EPA 200.7	0.016	0.1			
2017/18-4	000NONPJ	matrix spike dup, rec	4/4/2018	Cation	Calcium	Total	=	89	%	EPA 200.7	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike, RPD	4/4/2018	Cation	Calcium	Total	=	0.02	%	EPA 200.7	-88	-88	0	30	
2017/18-4	Lab	method blank	4/3/2018	Cation	Calcium	Total	<	0.016	mg/L	EPA 200.7	0.016	0.1			
2017/18-4	Lab	LCS	4/3/2018	Cation	Calcium	Total	=	45.1	mg/L	EPA 200.7	0.016	0.1			
2017/18-4	Lab	LCS, rec	4/3/2018	Cation	Calcium	Total	=	90	%	EPA 200.7	-88	-88	85	115	
2017/18-4	000NONPJ	matrix spike	4/4/2018	Cation	Magnesium	Total	=	45.3	mg/L	EPA 200.7	0.012	0.1			
2017/18-4	000NONPJ	matrix spike, rec	4/4/2018	Cation	Magnesium	Total	=	87	%	EPA 200.7	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike dup	4/4/2018	Cation	Magnesium	Total	=	44.7	mg/L	EPA 200.7	0.012	0.1			
2017/18-4	000NONPJ	matrix spike dup, rec	4/4/2018	Cation	Magnesium	Total	=	86	%	EPA 200.7	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike, RPD	4/4/2018	Cation	Magnesium	Total	=	1	%	EPA 200.7	-88	-88	0	30	
2017/18-4	000NONPJ	matrix spike	4/4/2018	Cation	Magnesium	Total	=	45	mg/L	EPA 200.7	0.012	0.1			
2017/18-4	000NONPJ	matrix spike, rec	4/4/2018	Cation	Magnesium	Total	=	87	%	EPA 200.7	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike dup	4/4/2018	Cation	Magnesium	Total	=	45	mg/L	EPA 200.7	0.012	0.1			
2017/18-4	000NONPJ	matrix spike dup, rec	4/4/2018	Cation	Magnesium	Total	=	87	%	EPA 200.7	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike, RPD	4/4/2018	Cation	Magnesium	Total	=	0.2	%	EPA 200.7	-88	-88	0	30	
2017/18-4	Lab	method blank	4/3/2018	Cation	Magnesium	Total	<	0.012	mg/L	EPA 200.7	0.012	0.1			
2017/18-4	Lab	LCS	4/3/2018	Cation	Magnesium	Total	=	43.9	mg/L	EPA 200.7	0.012	0.1			
2017/18-4	Lab	LCS, rec	4/3/2018	Cation	Magnesium	Total	=	87	%	EPA 200.7	-88	-88	85	115	
2017/18-4	000NONPJ	matrix spike	4/4/2018	Cation	Potassium	Total	=	52.3	mg/L	EPA 200.7	0.081	0.1			
2017/18-4	000NONPJ	matrix spike, rec	4/4/2018	Cation	Potassium	Total	=	98	%	EPA 200.7	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike dup	4/4/2018	Cation	Potassium	Total	=	51.6	mg/L	EPA 200.7	0.081	0.1			
2017/18-4	000NONPJ	matrix spike dup, rec	4/4/2018	Cation	Potassium	Total	=	96	%	EPA 200.7	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike, RPD	4/4/2018	Cation	Potassium	Total	=	1	%	EPA 200.7	-88	-88	0	30	
2017/18-4	000NONPJ	matrix spike	4/4/2018	Cation	Potassium	Total	=	52.3	mg/L	EPA 200.7	0.081	0.1			
2017/18-4	000NONPJ	matrix spike, rec	4/4/2018	Cation	Potassium	Total	=	97	%	EPA 200.7	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike dup	4/4/2018	Cation	Potassium	Total	=	52.2	mg/L	EPA 200.7	0.081	0.1			
2017/18-4	000NONPJ	matrix spike dup, rec	4/4/2018	Cation	Potassium	Total	=	97	%	EPA 200.7	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike, RPD	4/4/2018	Cation	Potassium	Total	=	0.1	%	EPA 200.7	-88	-88	0	30	
2017/18-4	Lab	method blank	4/3/2018	Cation	Potassium	Total	DNQ	0.091	mg/L	EPA 200.7	0.081	0.1			IP
2017/18-4	Lab	LCS	4/3/2018	Cation	Potassium	Total	=	47.8	mg/L	EPA 200.7	0.081	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-4	Lab	LCS, rec	4/3/2018	Cation	Potassium	Total	=	95	%	EPA 200.7	-88	-88	85	115	
2017/18-4	000NONPJ	matrix spike	4/4/2018	Cation	Sodium	Total	=	51.7	mg/L	EPA 200.7	0.015	0.5			
2017/18-4	000NONPJ	matrix spike, rec	4/4/2018	Cation	Sodium	Total	=	90	%	EPA 200.7	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike dup	4/4/2018	Cation	Sodium	Total	=	51	mg/L	EPA 200.7	0.015	0.5			
2017/18-4	000NONPJ	matrix spike dup, rec	4/4/2018	Cation	Sodium	Total	=	89	%	EPA 200.7	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike, RPD	4/4/2018	Cation	Sodium	Total	=	1	%	EPA 200.7	-88	-88	0	30	
2017/18-4	000NONPJ	matrix spike	4/4/2018	Cation	Sodium	Total	=	52.3	mg/L	EPA 200.7	0.015	0.5			
2017/18-4	000NONPJ	matrix spike, rec	4/4/2018	Cation	Sodium	Total	=	90	%	EPA 200.7	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike dup	4/4/2018	Cation	Sodium	Total	=	52.3	mg/L	EPA 200.7	0.015	0.5			
2017/18-4	000NONPJ	matrix spike dup, rec	4/4/2018	Cation	Sodium	Total	=	90	%	EPA 200.7	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike, RPD	4/4/2018	Cation	Sodium	Total	=	0.05	%	EPA 200.7	-88	-88	0	30	
2017/18-4	Lab	method blank	4/3/2018	Cation	Sodium	Total	DNQ	0.108	mg/L	EPA 200.7	0.015	0.5			IP
2017/18-4	Lab	LCS	4/3/2018	Cation	Sodium	Total	=	45.3	mg/L	EPA 200.7	0.015	0.5			
2017/18-4	Lab	LCS, rec	4/3/2018	Cation	Sodium	Total	=	90	%	EPA 200.7	-88	-88	85	115	
2017/18-4	000NONPJ	lab duplicate	3/25/2018	Conventional	Alkalinity as CaCO3	n/a	=	22.8	mg/L	SM 2320 B	0.56	2		15	
2017/18-4	Lab	LCS	3/25/2018	Conventional	Alkalinity as CaCO3	n/a	=	247	mg/L	SM 2320 B	0.56	2			
2017/18-4	Lab	LCS, rec	3/25/2018	Conventional	Alkalinity as CaCO3	n/a	=	99	%	SM 2320 B	-88	-88	94	108	
2017/18-4	Lab	method blank	3/25/2018	Conventional	Alkalinity as CaCO3	n/a	<	0.56	mg/L	SM 2320 B	0.56	2			
2017/18-4	000NONPJ	lab duplicate	3/28/2018	Conventional	BOD	n/a	<	2	mg/L	SM 5210 B	2	2		20	
2017/18-4	Lab	LCS	3/28/2018	Conventional	BOD	n/a	=	182	mg/L	SM 5210 B	2	2			
2017/18-4	Lab	LCS, rec	3/28/2018	Conventional	BOD	n/a	=	92	%	SM 5210 B	-88	-88	85	115	
2017/18-4	Lab	method blank	3/28/2018	Conventional	BOD	n/a	<	2	mg/L	SM 5210 B	2	2			
2017/18-4	Lab	method blank	3/28/2018	Conventional	BOD	n/a	<	2	mg/L	SM 5210 B	2	2			
2017/18-4	000NONPJ	lab duplicate	4/3/2018	Conventional	COD	n/a	=	556	mg/L	EPA 410.4	1.5	10		15	
2017/18-4	000NONPJ	matrix spike	4/3/2018	Conventional	COD	n/a	=	232	mg/L	EPA 410.4	2.9	20			
2017/18-4	000NONPJ	matrix spike	4/3/2018	Conventional	COD	n/a	=	191	mg/L	EPA 410.4	2.9	20			
2017/18-4	000NONPJ	matrix spike dup	4/3/2018	Conventional	COD	n/a	=	234	mg/L	EPA 410.4	2.9	20			
2017/18-4	000NONPJ	matrix spike dup	4/3/2018	Conventional	COD	n/a	=	192	mg/L	EPA 410.4	2.9	20			
2017/18-4	000NONPJ	matrix spike dup, rec	4/3/2018	Conventional	COD	n/a	=	100	%	EPA 410.4	-88	-88	90	110	
2017/18-4	000NONPJ	matrix spike dup, rec	4/3/2018	Conventional	COD	n/a	=	96	%	EPA 410.4	-88	-88	90	110	
2017/18-4	000NONPJ	matrix spike, rec	4/3/2018	Conventional	COD	n/a	=	99	%	EPA 410.4	-88	-88	90	110	
2017/18-4	000NONPJ	matrix spike, rec	4/3/2018	Conventional	COD	n/a	=	95	%	EPA 410.4	-88	-88	90	110	
2017/18-4	000NONPJ	matrix spike, RPD	4/3/2018	Conventional	COD	n/a	=	0.8	%	EPA 410.4	-88	-88	0	15	
2017/18-4	000NONPJ	matrix spike, RPD	4/3/2018	Conventional	COD	n/a	=	1	%	EPA 410.4	-88	-88	0	15	
2017/18-4	Lab	LCS	4/3/2018	Conventional	COD	n/a	=	97.2	mg/L	EPA 410.4	0.73	5			
2017/18-4	Lab	LCS, rec	4/3/2018	Conventional	COD	n/a	=	97	%	EPA 410.4	-88	-88	90	110	
2017/18-4	Lab	method blank	4/3/2018	Conventional	COD	n/a	DNQ	0.81	mg/L	EPA 410.4	0.73	5			IP
2017/18-4	000NONPJ	matrix spike	3/30/2018	Conventional	Cyanide	Total	=	0.0579	mg/L	ASTM D7511	0.0005	0.002			
2017/18-4	000NONPJ	matrix spike	3/30/2018	Conventional	Cyanide	Total	=	0.0514	mg/L	ASTM D7511	0.0005	0.002			
2017/18-4	000NONPJ	matrix spike dup	3/30/2018	Conventional	Cyanide	Total	=	0.0519	mg/L	ASTM D7511	0.0005	0.002			
2017/18-4	000NONPJ	matrix spike dup	3/30/2018	Conventional	Cyanide	Total	=	0.0596	mg/L	ASTM D7511	0.0005	0.002			
2017/18-4	000NONPJ	matrix spike dup, rec	3/30/2018	Conventional	Cyanide	Total	=	102	%	ASTM D7511	-88	-88	64	136	
2017/18-4	000NONPJ	matrix spike dup, rec	3/30/2018	Conventional	Cyanide	Total	=	115	%	ASTM D7511	-88	-88	64	136	
2017/18-4	000NONPJ	matrix spike, rec	3/30/2018	Conventional	Cyanide	Total	=	112	%	ASTM D7511	-88	-88	64	136	
2017/18-4	000NONPJ	matrix spike, rec	3/30/2018	Conventional	Cyanide	Total	=	101	%	ASTM D7511	-88	-88	64	136	
2017/18-4	000NONPJ	matrix spike, RPD	3/30/2018	Conventional	Cyanide	Total	=	3	%	ASTM D7511	-88	-88	0	47	
2017/18-4	000NONPJ	matrix spike, RPD	3/30/2018	Conventional	Cyanide	Total	=	1	%	ASTM D7511	-88	-88	0	47	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-4	Lab	LCS	3/30/2018	Conventional	Cyanide	Total	=	0.0463	mg/L	ASTM D7511	0.0005	0.002			
2017/18-4	Lab	LCS, rec	3/30/2018	Conventional	Cyanide	Total	=	93	%	ASTM D7511	-88	-88	84	116	
2017/18-4	Lab	method blank	3/30/2018	Conventional	Cyanide	Total	<	0.0005	mg/L	ASTM D7511	0.0005	0.002			
2017/18-4	MO-HUE	field duplicate	3/30/2018	Conventional	Cyanide	Total	=	0.11	mg/L	ASTM D7511	0.0096	0.04			
2017/18-4	Lab	LCS	4/2/2018	Conventional	Dissolved Inorganic Carbon	Dissolved	=	9.96	mg/L	SM 5310 B	0.5	0.5			
2017/18-4	Lab	LCS dup	4/2/2018	Conventional	Dissolved Inorganic Carbon	Dissolved	=	9.99	mg/L	SM 5310 B	0.5	0.5			
2017/18-4	Lab	LCS dup, rec	4/2/2018	Conventional	Dissolved Inorganic Carbon	Dissolved	=	100	%	SM 5310 B	-88	-88	85	115	
2017/18-4	Lab	LCS, rec	4/2/2018	Conventional	Dissolved Inorganic Carbon	Dissolved	=	100	%	SM 5310 B	-88	-88	85	115	
2017/18-4	Lab	LCS, RPD	4/2/2018	Conventional	Dissolved Inorganic Carbon	Dissolved	=	0.3	%	SM 5310 B	-88	-88	0	20	
2017/18-4	Lab	method blank	4/2/2018	Conventional	Dissolved Inorganic Carbon	Dissolved	<	0.5	mg/L	SM 5310 B	0.5	0.5			
2017/18-4	Lab	LCS	4/2/2018	Conventional	Dissolved Organic Carbon	Dissolved	=	1.03	mg/L	SM 5310 B	0.016	0.1			
2017/18-4	Lab	LCS dup	4/2/2018	Conventional	Dissolved Organic Carbon	Dissolved	=	0.963	mg/L	SM 5310 B	0.016	0.1			
2017/18-4	Lab	LCS dup, rec	4/2/2018	Conventional	Dissolved Organic Carbon	Dissolved	=	96	%	SM 5310 B	-88	-88	85	115	
2017/18-4	Lab	LCS, rec	4/2/2018	Conventional	Dissolved Organic Carbon	Dissolved	=	103	%	SM 5310 B	-88	-88	85	115	
2017/18-4	Lab	LCS, RPD	4/2/2018	Conventional	Dissolved Organic Carbon	Dissolved	=	7	%	SM 5310 B	-88	-88	0	20	
2017/18-4	Lab	method blank	4/2/2018	Conventional	Dissolved Organic Carbon	Dissolved	<	0.016	mg/L	SM 5310 B	0.016	0.1			
2017/18-4	000NONPJ	matrix spike	3/22/2018	Conventional	MBAS	n/a	=	0.202	mg/L	SM 5540 C	0.019	0.05			
2017/18-4	000NONPJ	matrix spike dup	3/22/2018	Conventional	MBAS	n/a	=	0.206	mg/L	SM 5540 C	0.019	0.05			
2017/18-4	000NONPJ	matrix spike dup, rec	3/22/2018	Conventional	MBAS	n/a	=	103	%	SM 5540 C	-88	-88	74	123	
2017/18-4	000NONPJ	matrix spike, rec	3/22/2018	Conventional	MBAS	n/a	=	101	%	SM 5540 C	-88	-88	74	123	
2017/18-4	000NONPJ	matrix spike, RPD	3/22/2018	Conventional	MBAS	n/a	=	2	%	SM 5540 C	-88	-88	0	20	
2017/18-4	Lab	LCS	3/22/2018	Conventional	MBAS	n/a	=	0.2	mg/L	SM 5540 C	0.019	0.05			
2017/18-4	Lab	LCS, rec	3/22/2018	Conventional	MBAS	n/a	=	100	%	SM 5540 C	-88	-88	82	115	
2017/18-4	Lab	method blank	3/22/2018	Conventional	MBAS	n/a	<	0.019	mg/L	SM 5540 C	0.019	0.05			
2017/18-4	000NONPJ	matrix spike	4/4/2018	Conventional	Phenolics	n/a	=	0.268	mg/L	EPA 420.4	0.0042	0.01			
2017/18-4	000NONPJ	matrix spike, rec	4/4/2018	Conventional	Phenolics	n/a	=	99	%	EPA 420.4	-88	-88	90	110	
2017/18-4	000NONPJ	matrix spike dup	4/4/2018	Conventional	Phenolics	n/a	=	0.27	mg/L	EPA 420.4	0.0042	0.01			
2017/18-4	000NONPJ	matrix spike dup, rec	4/4/2018	Conventional	Phenolics	n/a	=	100	%	EPA 420.4	-88	-88	90	110	
2017/18-4	000NONPJ	matrix spike, RPD	4/4/2018	Conventional	Phenolics	n/a	=	0.8	%	EPA 420.4	-88	-88	0	20	
2017/18-4	Lab	method blank	4/4/2018	Conventional	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01			
2017/18-4	Lab	LCS	4/4/2018	Conventional	Phenolics	n/a	=	0.104	mg/L	EPA 420.4	0.0042	0.01			
2017/18-4	Lab	LCS, rec	4/4/2018	Conventional	Phenolics	n/a	=	104	%	EPA 420.4	-88	-88	90	110	
2017/18-4	000NONPJ	lab duplicate	3/27/2018	Conventional	Specific Conductance	n/a	=	43.3	µmhos/cm	SM 2510 B	0.23	2		4.28	
2017/18-4	Lab	LCS	3/27/2018	Conventional	Specific Conductance	n/a	=	194	µmhos/cm	SM 2510 B	0.23	2			
2017/18-4	Lab	LCS, rec	3/27/2018	Conventional	Specific Conductance	n/a	=	97	%	SM 2510 B	-88	-88	95	105	
2017/18-4	Lab	method blank	3/27/2018	Conventional	Specific Conductance	n/a	<	0.23	µmhos/cm	SM 2510 B	0.23	2			
2017/18-4	000NONPJ	lab duplicate	3/28/2018	Conventional	Total Dissolved Solids	n/a	=	2740	mg/L	SM 2540 C	4	10		10	
2017/18-4	Lab	LCS	3/28/2018	Conventional	Total Dissolved Solids	n/a	=	827	mg/L	SM 2540 C	4	10			
2017/18-4	Lab	LCS, rec	3/28/2018	Conventional	Total Dissolved Solids	n/a	=	100	%	SM 2540 C	-88	-88	96	102	
2017/18-4	Lab	method blank	3/28/2018	Conventional	Total Dissolved Solids	n/a	<	4	mg/L	SM 2540 C	4	10			
2017/18-4	MO-HUE	lab duplicate	3/28/2018	Conventional	Total Dissolved Solids	n/a	=	2180	mg/L	SM 2540 C	4	10		10	
2017/18-4	000NONPJ	matrix spike	3/29/2018	Conventional	Total Organic Carbon	n/a	=	9.6	mg/L	SM 5310 B	0.009	0.1			
2017/18-4	000NONPJ	matrix spike dup	3/29/2018	Conventional	Total Organic Carbon	n/a	=	9.99	mg/L	SM 5310 B	0.009	0.1			
2017/18-4	000NONPJ	matrix spike dup, rec	3/29/2018	Conventional	Total Organic Carbon	n/a	=	104	%	SM 5310 B	-88	-88	76	115	
2017/18-4	000NONPJ	matrix spike, rec	3/29/2018	Conventional	Total Organic Carbon	n/a	=	96	%	SM 5310 B	-88	-88	76	115	
2017/18-4	000NONPJ	matrix spike, RPD	3/29/2018	Conventional	Total Organic Carbon	n/a	=	4	%	SM 5310 B	-88	-88	0	20	
2017/18-4	Lab	LCS	3/29/2018	Conventional	Total Organic Carbon	n/a	=	1.01	mg/L	SM 5310 B	0.009	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-4	Lab	LCS, rec	3/29/2018	Conventional	Total Organic Carbon	n/a	=	101	%	SM 5310 B	-88	-88	85	115	
2017/18-4	Lab	method blank	3/29/2018	Conventional	Total Organic Carbon	n/a	DNQ	0.0482	mg/L	SM 5310 B	0.009	0.1			IP
2017/18-4	000NONPJ	lab duplicate	3/26/2018	Conventional	Total Suspended Solids	n/a	=	1170	mg/L	SM 2540 D	-88	5		20	
2017/18-4	000NONPJ	lab duplicate	3/26/2018	Conventional	Total Suspended Solids	n/a	=	22	mg/L	SM 2540 D	-88	5		20	
2017/18-4	Lab	LCS	3/26/2018	Conventional	Total Suspended Solids	n/a	=	59	mg/L	SM 2540 D	-88	5			
2017/18-4	Lab	LCS, rec	3/26/2018	Conventional	Total Suspended Solids	n/a	=	105	%	SM 2540 D	-88	-88	90	110	
2017/18-4	Lab	method blank	3/26/2018	Conventional	Total Suspended Solids	n/a	DNQ	1	mg/L	SM 2540 D	-88	5			IP
2017/18-4	000NONPJ	lab duplicate	3/23/2018	Conventional	Turbidity	n/a	<	0.024	NTU	EPA 180.1	0.024	0.1		10	
2017/18-4	Lab	LCS	3/23/2018	Conventional	Turbidity	n/a	=	6.95	NTU	EPA 180.1	0.024	0.1			
2017/18-4	Lab	LCS, rec	3/23/2018	Conventional	Turbidity	n/a	=	99	%	EPA 180.1	-88	-88	90	110	
2017/18-4	Lab	method blank	3/23/2018	Conventional	Turbidity	n/a	<	0.024	NTU	EPA 180.1	0.024	0.1			
2017/18-4	000NONPJ	lab duplicate	3/26/2018	Conventional	Volatile Suspended Solids	n/a	=	430	mg/L	EPA 160.4	3.1	5		15	
2017/18-4	000NONPJ	lab duplicate	3/26/2018	Conventional	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5		15	
2017/18-4	Lab	LCS	3/26/2018	Conventional	Volatile Suspended Solids	n/a	=	42	mg/L	EPA 160.4	3.1	5			
2017/18-4	Lab	LCS, rec	3/26/2018	Conventional	Volatile Suspended Solids	n/a	=	105	%	EPA 160.4	-88	-88	90	110	
2017/18-4	Lab	method blank	3/26/2018	Conventional	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5			
2017/18-4	Lab	method blank	4/2/2018	Hydrocarbon	Diesel Range Organics	n/a	DNQ	0.0384	mg/L	EPA 8015D	0.024	0.1			IP
2017/18-4	Lab	LCS	4/2/2018	Hydrocarbon	Diesel Range Organics	n/a	=	0.472	mg/L	EPA 8015D	0.024	0.1			
2017/18-4	Lab	LCS, rec	4/2/2018	Hydrocarbon	Diesel Range Organics	n/a	=	94	%	EPA 8015D	-88	-88	56	136	
2017/18-4	Lab	LCS dup	4/2/2018	Hydrocarbon	Diesel Range Organics	n/a	=	0.473	mg/L	EPA 8015D	0.024	0.1			
2017/18-4	Lab	LCS dup, rec	4/2/2018	Hydrocarbon	Diesel Range Organics	n/a	=	95	%	EPA 8015D	-88	-88	56	136	
2017/18-4	Lab	LCS, RPD	4/2/2018	Hydrocarbon	Diesel Range Organics	n/a	=	0.06	%	EPA 8015D	-88	-88	0	25	
2017/18-4	000NONPJ	matrix spike	3/23/2018	Hydrocarbon	Gasoline Range Organics	n/a	=	0.91	mg/L	EPA 8015D	0.044	0.1			
2017/18-4	000NONPJ	matrix spike, rec	3/23/2018	Hydrocarbon	Gasoline Range Organics	n/a	=	91	%	EPA 8015D	-88	-88	63	136	
2017/18-4	000NONPJ	matrix spike dup	3/23/2018	Hydrocarbon	Gasoline Range Organics	n/a	=	0.92	mg/L	EPA 8015D	0.044	0.1			
2017/18-4	000NONPJ	matrix spike dup, rec	3/23/2018	Hydrocarbon	Gasoline Range Organics	n/a	=	92	%	EPA 8015D	-88	-88	63	136	
2017/18-4	000NONPJ	matrix spike, RPD	3/23/2018	Hydrocarbon	Gasoline Range Organics	n/a	=	1	%	EPA 8015D	-88	-88	0	25	
2017/18-4	Lab	LCS	3/23/2018	Hydrocarbon	Gasoline Range Organics	n/a	=	0.93	mg/L	EPA 8015D	0.044	0.1			
2017/18-4	Lab	LCS, rec	3/23/2018	Hydrocarbon	Gasoline Range Organics	n/a	=	93	%	EPA 8015D	-88	-88	75	123	
2017/18-4	Lab	method blank	3/23/2018	Hydrocarbon	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1			
2017/18-4	MO-HUE	field duplicate	3/23/2018	Hydrocarbon	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1			
2017/18-4	Lab	srgt method blank	4/2/2018	Hydrocarbon	n-Tetracosane	n/a	=	0.233	mg/L	EPA 8015D	-88	-88			
2017/18-4	Lab	srgt method blank, rec	4/2/2018	Hydrocarbon	n-Tetracosane	n/a	=	93	%	EPA 8015D	-88	-88	64	155	
2017/18-4	Lab	srgt LCS	4/2/2018	Hydrocarbon	n-Tetracosane	n/a	=	0.243	mg/L	EPA 8015D	-88	-88			
2017/18-4	Lab	srgt LCS, rec	4/2/2018	Hydrocarbon	n-Tetracosane	n/a	=	97	%	EPA 8015D	-88	-88	64	155	
2017/18-4	Lab	srgt LCS dup	4/2/2018	Hydrocarbon	n-Tetracosane	n/a	=	0.242	mg/L	EPA 8015D	-88	-88			
2017/18-4	Lab	srgt LCS dup, rec	4/2/2018	Hydrocarbon	n-Tetracosane	n/a	=	97	%	EPA 8015D	-88	-88	64	155	
2017/18-4	MO-HUE	srgt environ	4/2/2018	Hydrocarbon	n-Tetracosane	n/a	=	0.227	mg/L	EPA 8015D	-88	-88			
2017/18-4	MO-HUE	srgt environ, rec	4/2/2018	Hydrocarbon	n-Tetracosane	n/a	=	91	%	EPA 8015D	-88	-88	64	155	
2017/18-4	000NONPJ	matrix spike	4/4/2018	Hydrocarbon	Oil and Grease	n/a	=	20.1	mg/L	EPA 1664A	1.3	5			
2017/18-4	000NONPJ	matrix spike, rec	4/4/2018	Hydrocarbon	Oil and Grease	n/a	=	85	%	EPA 1664A	-88	-88	78	114	
2017/18-4	Lab	LCS	4/4/2018	Hydrocarbon	Oil and Grease	n/a	=	17.4	mg/L	EPA 1664A	1.3	5			
2017/18-4	Lab	LCS	4/4/2018	Hydrocarbon	Oil and Grease	n/a	DNQ	4.1	mg/L	EPA 1664A	1.3	5			
2017/18-4	Lab	LCS dup	4/4/2018	Hydrocarbon	Oil and Grease	n/a	=	17.5	mg/L	EPA 1664A	1.3	5			
2017/18-4	Lab	LCS dup, rec	4/4/2018	Hydrocarbon	Oil and Grease	n/a	=	88	%	EPA 1664A	-88	-88	78	114	
2017/18-4	Lab	LCS, rec	4/4/2018	Hydrocarbon	Oil and Grease	n/a	=	82	%	EPA 1664A	-88	-88	78	114	
2017/18-4	Lab	LCS, rec	4/4/2018	Hydrocarbon	Oil and Grease	n/a	=	87	%	EPA 1664A	-88	-88	78	114	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-4	Lab	LCS, RPD	4/4/2018	Hydrocarbon	Oil and Grease	n/a	=	0.6	%	EPA 1664A	-88	-88	0	18	
2017/18-4	Lab	method blank	4/4/2018	Hydrocarbon	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5			
2017/18-4	MO-HUE	field duplicate	4/4/2018	Hydrocarbon	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5			
2017/18-4	Lab	method blank	4/2/2018	Hydrocarbon	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5			
2017/18-4	Lab	method blank	4/13/2018	Metal	Aluminum	Dissolved	DNQ	3.06	µg/L	EPA 200.8	1.3	5			IP
2017/18-4	Lab	LCS	4/13/2018	Metal	Aluminum	Dissolved	=	50.2	µg/L	EPA 200.8	1.3	5			
2017/18-4	Lab	LCS, rec	4/13/2018	Metal	Aluminum	Dissolved	=	100	%	EPA 200.8	-88	-88	85	115	
2017/18-4	000NONPJ	matrix spike	4/13/2018	Metal	Aluminum	Total	=	807	µg/L	EPA 200.8	1.3	5			GB
2017/18-4	000NONPJ	matrix spike, rec	4/13/2018	Metal	Aluminum	Total	=	285	%	EPA 200.8	-88	-88	70	130	GB
2017/18-4	000NONPJ	matrix spike dup	4/13/2018	Metal	Aluminum	Total	=	865	µg/L	EPA 200.8	1.3	5			GB
2017/18-4	000NONPJ	matrix spike dup, rec	4/13/2018	Metal	Aluminum	Total	=	402	%	EPA 200.8	-88	-88	70	130	GB
2017/18-4	000NONPJ	matrix spike, RPD	4/13/2018	Metal	Aluminum	Total	=	7	%	EPA 200.8	-88	-88	0	30	
2017/18-4	000NONPJ	matrix spike	4/13/2018	Metal	Aluminum	Total	=	2950	µg/L	EPA 200.8	1.3	5			GB
2017/18-4	000NONPJ	matrix spike, rec	4/13/2018	Metal	Aluminum	Total	=	608	%	EPA 200.8	-88	-88	70	130	GB
2017/18-4	000NONPJ	matrix spike dup	4/13/2018	Metal	Aluminum	Total	=	2940	µg/L	EPA 200.8	1.3	5			GB
2017/18-4	000NONPJ	matrix spike dup, rec	4/13/2018	Metal	Aluminum	Total	=	599	%	EPA 200.8	-88	-88	70	130	GB
2017/18-4	000NONPJ	matrix spike, RPD	4/13/2018	Metal	Aluminum	Total	=	0.2	%	EPA 200.8	-88	-88	0	30	
2017/18-4	Lab	method blank	4/13/2018	Metal	Aluminum	Total	DNQ	1.54	µg/L	EPA 200.8	1.3	5			IP
2017/18-4	Lab	LCS	4/13/2018	Metal	Aluminum	Total	=	50.2	µg/L	EPA 200.8	1.3	5			
2017/18-4	Lab	LCS, rec	4/13/2018	Metal	Aluminum	Total	=	100	%	EPA 200.8	-88	-88	85	115	
2017/18-4	Lab	method blank	4/13/2018	Metal	Antimony	Dissolved	DNQ	0.052	µg/L	EPA 200.8	0.045	0.5			IP
2017/18-4	Lab	LCS	4/13/2018	Metal	Antimony	Dissolved	=	49	µg/L	EPA 200.8	0.045	0.5			
2017/18-4	Lab	LCS, rec	4/13/2018	Metal	Antimony	Dissolved	=	98	%	EPA 200.8	-88	-88	85	115	
2017/18-4	000NONPJ	matrix spike	4/13/2018	Metal	Antimony	Total	=	50.9	µg/L	EPA 200.8	0.045	0.5			
2017/18-4	000NONPJ	matrix spike, rec	4/13/2018	Metal	Antimony	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike dup	4/13/2018	Metal	Antimony	Total	=	49.9	µg/L	EPA 200.8	0.045	0.5			
2017/18-4	000NONPJ	matrix spike dup, rec	4/13/2018	Metal	Antimony	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike, RPD	4/13/2018	Metal	Antimony	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2017/18-4	000NONPJ	matrix spike	4/13/2018	Metal	Antimony	Total	=	59.8	µg/L	EPA 200.8	0.045	0.5			
2017/18-4	000NONPJ	matrix spike, rec	4/13/2018	Metal	Antimony	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike dup	4/13/2018	Metal	Antimony	Total	=	60.3	µg/L	EPA 200.8	0.045	0.5			
2017/18-4	000NONPJ	matrix spike dup, rec	4/13/2018	Metal	Antimony	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike, RPD	4/13/2018	Metal	Antimony	Total	=	0.8	%	EPA 200.8	-88	-88	0	30	
2017/18-4	Lab	method blank	4/13/2018	Metal	Antimony	Total	<	0.045	µg/L	EPA 200.8	0.045	0.5			
2017/18-4	Lab	LCS	4/13/2018	Metal	Antimony	Total	=	49	µg/L	EPA 200.8	0.045	0.5			
2017/18-4	Lab	LCS, rec	4/13/2018	Metal	Antimony	Total	=	98	%	EPA 200.8	-88	-88	85	115	
2017/18-4	Lab	method blank	4/13/2018	Metal	Arsenic	Dissolved	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2017/18-4	Lab	LCS	4/13/2018	Metal	Arsenic	Dissolved	=	50.3	µg/L	EPA 200.8	0.074	0.4			
2017/18-4	Lab	LCS, rec	4/13/2018	Metal	Arsenic	Dissolved	=	101	%	EPA 200.8	-88	-88	85	115	
2017/18-4	000NONPJ	matrix spike	4/13/2018	Metal	Arsenic	Total	=	50.9	µg/L	EPA 200.8	0.074	0.4			
2017/18-4	000NONPJ	matrix spike, rec	4/13/2018	Metal	Arsenic	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike dup	4/13/2018	Metal	Arsenic	Total	=	53.1	µg/L	EPA 200.8	0.074	0.4			
2017/18-4	000NONPJ	matrix spike dup, rec	4/13/2018	Metal	Arsenic	Total	=	105	%	EPA 200.8	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike, RPD	4/13/2018	Metal	Arsenic	Total	=	4	%	EPA 200.8	-88	-88	0	30	
2017/18-4	000NONPJ	matrix spike	4/13/2018	Metal	Arsenic	Total	=	51	µg/L	EPA 200.8	0.074	0.4			
2017/18-4	000NONPJ	matrix spike, rec	4/13/2018	Metal	Arsenic	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike dup	4/13/2018	Metal	Arsenic	Total	=	51	µg/L	EPA 200.8	0.074	0.4			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-4	000NONPJ	matrix spike dup, rec	4/13/2018	Metal	Arsenic	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike, RPD	4/13/2018	Metal	Arsenic	Total	=	0.1	%	EPA 200.8	-88	-88	0	30	
2017/18-4	Lab	method blank	4/13/2018	Metal	Arsenic	Total	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2017/18-4	Lab	LCS	4/13/2018	Metal	Arsenic	Total	=	50.3	µg/L	EPA 200.8	0.074	0.4			
2017/18-4	Lab	LCS, rec	4/13/2018	Metal	Arsenic	Total	=	101	%	EPA 200.8	-88	-88	85	115	
2017/18-4	000NONPJ	matrix spike	4/13/2018	Metal	Barium	Total	=	67.1	µg/L	EPA 200.8	0.071	0.5			
2017/18-4	000NONPJ	matrix spike, rec	4/13/2018	Metal	Barium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike dup	4/13/2018	Metal	Barium	Total	=	67.2	µg/L	EPA 200.8	0.071	0.5			
2017/18-4	000NONPJ	matrix spike dup, rec	4/13/2018	Metal	Barium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike, RPD	4/13/2018	Metal	Barium	Total	=	0.2	%	EPA 200.8	-88	-88	0	30	
2017/18-4	000NONPJ	matrix spike	4/13/2018	Metal	Barium	Total	=	193	µg/L	EPA 200.8	0.071	0.5			
2017/18-4	000NONPJ	matrix spike, rec	4/13/2018	Metal	Barium	Total	=	121	%	EPA 200.8	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike dup	4/13/2018	Metal	Barium	Total	=	196	µg/L	EPA 200.8	0.071	0.5			
2017/18-4	000NONPJ	matrix spike dup, rec	4/13/2018	Metal	Barium	Total	=	125	%	EPA 200.8	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike, RPD	4/13/2018	Metal	Barium	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2017/18-4	Lab	method blank	4/13/2018	Metal	Barium	Total	<	0.071	µg/L	EPA 200.8	0.071	0.5			
2017/18-4	Lab	LCS	4/13/2018	Metal	Barium	Total	=	50.6	µg/L	EPA 200.8	0.071	0.5			
2017/18-4	Lab	LCS, rec	4/13/2018	Metal	Barium	Total	=	101	%	EPA 200.8	-88	-88	85	115	
2017/18-4	Lab	method blank	4/13/2018	Metal	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2017/18-4	Lab	LCS	4/13/2018	Metal	Beryllium	Dissolved	=	49.5	µg/L	EPA 200.8	0.033	0.1			
2017/18-4	Lab	LCS, rec	4/13/2018	Metal	Beryllium	Dissolved	=	99	%	EPA 200.8	-88	-88	85	115	
2017/18-4	000NONPJ	matrix spike	4/13/2018	Metal	Beryllium	Total	=	50.3	µg/L	EPA 200.8	0.033	0.1			
2017/18-4	000NONPJ	matrix spike, rec	4/13/2018	Metal	Beryllium	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike dup	4/13/2018	Metal	Beryllium	Total	=	48.1	µg/L	EPA 200.8	0.033	0.1			
2017/18-4	000NONPJ	matrix spike dup, rec	4/13/2018	Metal	Beryllium	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike, RPD	4/13/2018	Metal	Beryllium	Total	=	5	%	EPA 200.8	-88	-88	0	30	
2017/18-4	000NONPJ	matrix spike	4/13/2018	Metal	Beryllium	Total	=	50.1	µg/L	EPA 200.8	0.033	0.1			
2017/18-4	000NONPJ	matrix spike, rec	4/13/2018	Metal	Beryllium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike dup	4/13/2018	Metal	Beryllium	Total	=	51.6	µg/L	EPA 200.8	0.033	0.1			
2017/18-4	000NONPJ	matrix spike dup, rec	4/13/2018	Metal	Beryllium	Total	=	103	%	EPA 200.8	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike, RPD	4/13/2018	Metal	Beryllium	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2017/18-4	Lab	method blank	4/13/2018	Metal	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2017/18-4	Lab	LCS	4/13/2018	Metal	Beryllium	Total	=	49.5	µg/L	EPA 200.8	0.033	0.1			
2017/18-4	Lab	LCS, rec	4/13/2018	Metal	Beryllium	Total	=	99	%	EPA 200.8	-88	-88	85	115	
2017/18-4	Lab	method blank	4/13/2018	Metal	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2017/18-4	Lab	LCS	4/13/2018	Metal	Cadmium	Dissolved	=	49.6	µg/L	EPA 200.8	0.041	0.1			
2017/18-4	Lab	LCS, rec	4/13/2018	Metal	Cadmium	Dissolved	=	99	%	EPA 200.8	-88	-88	85	115	
2017/18-4	000NONPJ	matrix spike	4/13/2018	Metal	Cadmium	Total	=	51.2	µg/L	EPA 200.8	0.041	0.1			
2017/18-4	000NONPJ	matrix spike, rec	4/13/2018	Metal	Cadmium	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike dup	4/13/2018	Metal	Cadmium	Total	=	52.2	µg/L	EPA 200.8	0.041	0.1			
2017/18-4	000NONPJ	matrix spike dup, rec	4/13/2018	Metal	Cadmium	Total	=	103	%	EPA 200.8	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike, RPD	4/13/2018	Metal	Cadmium	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2017/18-4	000NONPJ	matrix spike	4/13/2018	Metal	Cadmium	Total	=	50.3	µg/L	EPA 200.8	0.041	0.1			
2017/18-4	000NONPJ	matrix spike, rec	4/13/2018	Metal	Cadmium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike dup	4/13/2018	Metal	Cadmium	Total	=	50.2	µg/L	EPA 200.8	0.041	0.1			
2017/18-4	000NONPJ	matrix spike dup, rec	4/13/2018	Metal	Cadmium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike, RPD	4/13/2018	Metal	Cadmium	Total	=	0.2	%	EPA 200.8	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-4	Lab	method blank	4/13/2018	Metal	Cadmium	Total	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2017/18-4	Lab	LCS	4/13/2018	Metal	Cadmium	Total	=	49.6	µg/L	EPA 200.8	0.041	0.1			
2017/18-4	Lab	LCS, rec	4/13/2018	Metal	Cadmium	Total	=	99	%	EPA 200.8	-88	-88	85	115	
2017/18-4	Lab	method blank	4/13/2018	Metal	Chromium	Dissolved	<	0.035	µg/L	EPA 200.8	0.035	0.2			
2017/18-4	Lab	LCS	4/13/2018	Metal	Chromium	Dissolved	=	49.9	µg/L	EPA 200.8	0.035	0.2			
2017/18-4	Lab	LCS, rec	4/13/2018	Metal	Chromium	Dissolved	=	100	%	EPA 200.8	-88	-88	85	115	
2017/18-4	000NONPJ	matrix spike	4/13/2018	Metal	Chromium	Total	=	51.6	µg/L	EPA 200.8	0.035	0.2			
2017/18-4	000NONPJ	matrix spike, rec	4/13/2018	Metal	Chromium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike dup	4/13/2018	Metal	Chromium	Total	=	55	µg/L	EPA 200.8	0.035	0.2			
2017/18-4	000NONPJ	matrix spike dup, rec	4/13/2018	Metal	Chromium	Total	=	107	%	EPA 200.8	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike, RPD	4/13/2018	Metal	Chromium	Total	=	6	%	EPA 200.8	-88	-88	0	30	
2017/18-4	000NONPJ	matrix spike	4/13/2018	Metal	Chromium	Total	=	60.2	µg/L	EPA 200.8	0.035	0.2			
2017/18-4	000NONPJ	matrix spike, rec	4/13/2018	Metal	Chromium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike dup	4/13/2018	Metal	Chromium	Total	=	59.7	µg/L	EPA 200.8	0.035	0.2			
2017/18-4	000NONPJ	matrix spike dup, rec	4/13/2018	Metal	Chromium	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike, RPD	4/13/2018	Metal	Chromium	Total	=	0.8	%	EPA 200.8	-88	-88	0	30	
2017/18-4	Lab	method blank	4/13/2018	Metal	Chromium	Total	<	0.035	µg/L	EPA 200.8	0.035	0.2			
2017/18-4	Lab	LCS	4/13/2018	Metal	Chromium	Total	=	49.9	µg/L	EPA 200.8	0.035	0.2			
2017/18-4	Lab	LCS, rec	4/13/2018	Metal	Chromium	Total	=	100	%	EPA 200.8	-88	-88	85	115	
2017/18-4	000NONPJ	matrix spike	3/27/2018	Metal	Chromium VI	n/a	=	4.99	µg/L	EPA 218.6	0.0048	0.02			
2017/18-4	000NONPJ	matrix spike, rec	3/27/2018	Metal	Chromium VI	n/a	=	99	%	EPA 218.6	-88	-88	88	112	
2017/18-4	000NONPJ	matrix spike dup	3/27/2018	Metal	Chromium VI	n/a	=	5.17	µg/L	EPA 218.6	0.0048	0.02			
2017/18-4	000NONPJ	matrix spike dup, rec	3/27/2018	Metal	Chromium VI	n/a	=	102	%	EPA 218.6	-88	-88	88	112	
2017/18-4	000NONPJ	matrix spike, RPD	3/27/2018	Metal	Chromium VI	n/a	=	3	%	EPA 218.6	-88	-88	0	10	
2017/18-4	000NONPJ	matrix spike	3/27/2018	Metal	Chromium VI	n/a	=	7.63	µg/L	EPA 218.6	0.0048	0.02			
2017/18-4	000NONPJ	matrix spike, rec	3/27/2018	Metal	Chromium VI	n/a	=	99	%	EPA 218.6	-88	-88	88	112	
2017/18-4	000NONPJ	matrix spike dup	3/27/2018	Metal	Chromium VI	n/a	=	7.74	µg/L	EPA 218.6	0.0048	0.02			
2017/18-4	000NONPJ	matrix spike dup, rec	3/27/2018	Metal	Chromium VI	n/a	=	101	%	EPA 218.6	-88	-88	88	112	
2017/18-4	000NONPJ	matrix spike, RPD	3/27/2018	Metal	Chromium VI	n/a	=	1	%	EPA 218.6	-88	-88	0	10	
2017/18-4	Lab	method blank	3/27/2018	Metal	Chromium VI	n/a	<	0.0048	µg/L	EPA 218.6	0.0048	0.02			
2017/18-4	Lab	LCS	3/27/2018	Metal	Chromium VI	n/a	=	5.15	µg/L	EPA 218.6	0.0048	0.02			
2017/18-4	Lab	LCS, rec	3/27/2018	Metal	Chromium VI	n/a	=	103	%	EPA 218.6	-88	-88	90	110	
2017/18-4	Lab	method blank	4/13/2018	Metal	Copper	Dissolved	<	0.13	µg/L	EPA 200.8	0.13	0.5			
2017/18-4	Lab	LCS	4/13/2018	Metal	Copper	Dissolved	=	51.1	µg/L	EPA 200.8	0.13	0.5			
2017/18-4	Lab	LCS, rec	4/13/2018	Metal	Copper	Dissolved	=	102	%	EPA 200.8	-88	-88	85	115	
2017/18-4	000NONPJ	matrix spike	4/13/2018	Metal	Copper	Total	=	62.7	µg/L	EPA 200.8	0.13	0.5			
2017/18-4	000NONPJ	matrix spike, rec	4/13/2018	Metal	Copper	Total	=	103	%	EPA 200.8	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike dup	4/13/2018	Metal	Copper	Total	=	65.6	µg/L	EPA 200.8	0.13	0.5			
2017/18-4	000NONPJ	matrix spike dup, rec	4/13/2018	Metal	Copper	Total	=	109	%	EPA 200.8	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike, RPD	4/13/2018	Metal	Copper	Total	=	5	%	EPA 200.8	-88	-88	0	30	
2017/18-4	000NONPJ	matrix spike	4/13/2018	Metal	Copper	Total	=	135	µg/L	EPA 200.8	0.13	0.5			
2017/18-4	000NONPJ	matrix spike, rec	4/13/2018	Metal	Copper	Total	=	103	%	EPA 200.8	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike dup	4/13/2018	Metal	Copper	Total	=	135	µg/L	EPA 200.8	0.13	0.5			
2017/18-4	000NONPJ	matrix spike dup, rec	4/13/2018	Metal	Copper	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike, RPD	4/13/2018	Metal	Copper	Total	=	0.5	%	EPA 200.8	-88	-88	0	30	
2017/18-4	Lab	method blank	4/13/2018	Metal	Copper	Total	<	0.13	µg/L	EPA 200.8	0.13	0.5			
2017/18-4	Lab	LCS	4/13/2018	Metal	Copper	Total	=	51.1	µg/L	EPA 200.8	0.13	0.5			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-4	Lab	LCS, rec	4/13/2018	Metal	Copper	Total	=	102	%	EPA 200.8	-88	-88	85	115	
2017/18-4	Lab	method blank	4/3/2018	Metal	Iron	Dissolved	<	1.1	µg/L	EPA 200.7	1.1	10			
2017/18-4	Lab	LCS	4/3/2018	Metal	Iron	Dissolved	=	170	µg/L	EPA 200.7	1.1	10			
2017/18-4	Lab	LCS, rec	4/3/2018	Metal	Iron	Dissolved	=	85	%	EPA 200.7	-88	-88	85	115	
2017/18-4	000NONPJ	matrix spike	4/4/2018	Metal	Iron	Total	=	3420	µg/L	EPA 200.7	1.1	10			GB
2017/18-4	000NONPJ	matrix spike, rec	4/4/2018	Metal	Iron	Total	=	47	%	EPA 200.7	-88	-88	70	130	GB
2017/18-4	000NONPJ	matrix spike dup	4/4/2018	Metal	Iron	Total	=	3390	µg/L	EPA 200.7	1.1	10			GB
2017/18-4	000NONPJ	matrix spike dup, rec	4/4/2018	Metal	Iron	Total	=	31	%	EPA 200.7	-88	-88	70	130	GB
2017/18-4	000NONPJ	matrix spike, RPD	4/4/2018	Metal	Iron	Total	=	1	%	EPA 200.7	-88	-88	0	30	
2017/18-4	000NONPJ	matrix spike	4/4/2018	Metal	Iron	Total	=	1880	µg/L	EPA 200.7	1.1	10			GB
2017/18-4	000NONPJ	matrix spike, rec	4/4/2018	Metal	Iron	Total	=	68	%	EPA 200.7	-88	-88	70	130	GB
2017/18-4	000NONPJ	matrix spike dup	4/4/2018	Metal	Iron	Total	=	1830	µg/L	EPA 200.7	1.1	10			GB
2017/18-4	000NONPJ	matrix spike dup, rec	4/4/2018	Metal	Iron	Total	=	43	%	EPA 200.7	-88	-88	70	130	GB
2017/18-4	000NONPJ	matrix spike, RPD	4/4/2018	Metal	Iron	Total	=	3	%	EPA 200.7	-88	-88	0	30	
2017/18-4	Lab	method blank	4/3/2018	Metal	Iron	Total	<	1.1	µg/L	EPA 200.7	1.1	10			
2017/18-4	Lab	LCS	4/3/2018	Metal	Iron	Total	=	170	µg/L	EPA 200.7	1.1	10			
2017/18-4	Lab	LCS, rec	4/3/2018	Metal	Iron	Total	=	85	%	EPA 200.7	-88	-88	85	115	
2017/18-4	Lab	method blank	4/13/2018	Metal	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2			
2017/18-4	Lab	LCS	4/13/2018	Metal	Lead	Dissolved	=	50.3	µg/L	EPA 200.8	0.031	0.2			
2017/18-4	Lab	LCS, rec	4/13/2018	Metal	Lead	Dissolved	=	101	%	EPA 200.8	-88	-88	85	115	
2017/18-4	000NONPJ	matrix spike	4/13/2018	Metal	Lead	Total	=	52.5	µg/L	EPA 200.8	0.031	0.2			
2017/18-4	000NONPJ	matrix spike, rec	4/13/2018	Metal	Lead	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike dup	4/13/2018	Metal	Lead	Total	=	51.9	µg/L	EPA 200.8	0.031	0.2			
2017/18-4	000NONPJ	matrix spike dup, rec	4/13/2018	Metal	Lead	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike, RPD	4/13/2018	Metal	Lead	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2017/18-4	000NONPJ	matrix spike	4/13/2018	Metal	Lead	Total	=	97	µg/L	EPA 200.8	0.031	0.2			
2017/18-4	000NONPJ	matrix spike, rec	4/13/2018	Metal	Lead	Total	=	104	%	EPA 200.8	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike dup	4/13/2018	Metal	Lead	Total	=	98.2	µg/L	EPA 200.8	0.031	0.2			
2017/18-4	000NONPJ	matrix spike dup, rec	4/13/2018	Metal	Lead	Total	=	107	%	EPA 200.8	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike, RPD	4/13/2018	Metal	Lead	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2017/18-4	Lab	method blank	4/13/2018	Metal	Lead	Total	<	0.031	µg/L	EPA 200.8	0.031	0.2			
2017/18-4	Lab	LCS	4/13/2018	Metal	Lead	Total	=	50.3	µg/L	EPA 200.8	0.031	0.2			
2017/18-4	Lab	LCS, rec	4/13/2018	Metal	Lead	Total	=	101	%	EPA 200.8	-88	-88	85	115	
2017/18-4	Lab	method blank	4/17/2018	Metal	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50			
2017/18-4	Lab	LCS	4/17/2018	Metal	Mercury	Dissolved	=	1030	ng/L	EPA 245.1	17	50			
2017/18-4	Lab	LCS, rec	4/17/2018	Metal	Mercury	Dissolved	=	103	%	EPA 245.1	-88	-88	85	115	
2017/18-4	000NONPJ	matrix spike	4/17/2018	Metal	Mercury	Total	=	1010	ng/L	EPA 245.1	17	50			
2017/18-4	000NONPJ	matrix spike, rec	4/17/2018	Metal	Mercury	Total	=	101	%	EPA 245.1	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike dup	4/17/2018	Metal	Mercury	Total	=	1000	ng/L	EPA 245.1	17	50			
2017/18-4	000NONPJ	matrix spike dup, rec	4/17/2018	Metal	Mercury	Total	=	100	%	EPA 245.1	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike, RPD	4/17/2018	Metal	Mercury	Total	=	0.6	%	EPA 245.1	-88	-88	0	20	
2017/18-4	000NONPJ	matrix spike	4/17/2018	Metal	Mercury	Total	=	1040	ng/L	EPA 245.1	17	50			
2017/18-4	000NONPJ	matrix spike, rec	4/17/2018	Metal	Mercury	Total	=	104	%	EPA 245.1	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike dup	4/17/2018	Metal	Mercury	Total	=	1040	ng/L	EPA 245.1	17	50			
2017/18-4	000NONPJ	matrix spike dup, rec	4/17/2018	Metal	Mercury	Total	=	104	%	EPA 245.1	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike, RPD	4/17/2018	Metal	Mercury	Total	=	0.07	%	EPA 245.1	-88	-88	0	20	
2017/18-4	Lab	method blank	4/17/2018	Metal	Mercury	Total	<	17	ng/L	EPA 245.1	17	50			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-4	Lab	LCS	4/17/2018	Metal	Mercury	Total	=	1030	ng/L	EPA 245.1	17	50			
2017/18-4	Lab	LCS, rec	4/17/2018	Metal	Mercury	Total	=	103	%	EPA 245.1	-88	-88	85	115	
2017/18-4	Lab	method blank	4/13/2018	Metal	Nickel	Dissolved	<	0.045	µg/L	EPA 200.8	0.045	0.8			
2017/18-4	Lab	LCS	4/13/2018	Metal	Nickel	Dissolved	=	50.3	µg/L	EPA 200.8	0.045	0.8			
2017/18-4	Lab	LCS, rec	4/13/2018	Metal	Nickel	Dissolved	=	101	%	EPA 200.8	-88	-88	85	115	
2017/18-4	000NONPJ	matrix spike	4/13/2018	Metal	Nickel	Total	=	51.7	µg/L	EPA 200.8	0.045	0.8			
2017/18-4	000NONPJ	matrix spike, rec	4/13/2018	Metal	Nickel	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike dup	4/13/2018	Metal	Nickel	Total	=	55.3	µg/L	EPA 200.8	0.045	0.8			
2017/18-4	000NONPJ	matrix spike dup, rec	4/13/2018	Metal	Nickel	Total	=	107	%	EPA 200.8	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike, RPD	4/13/2018	Metal	Nickel	Total	=	7	%	EPA 200.8	-88	-88	0	30	
2017/18-4	000NONPJ	matrix spike	4/13/2018	Metal	Nickel	Total	=	56.5	µg/L	EPA 200.8	0.045	0.8			
2017/18-4	000NONPJ	matrix spike, rec	4/13/2018	Metal	Nickel	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike dup	4/13/2018	Metal	Nickel	Total	=	56.1	µg/L	EPA 200.8	0.045	0.8			
2017/18-4	000NONPJ	matrix spike dup, rec	4/13/2018	Metal	Nickel	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike, RPD	4/13/2018	Metal	Nickel	Total	=	0.7	%	EPA 200.8	-88	-88	0	30	
2017/18-4	Lab	method blank	4/13/2018	Metal	Nickel	Total	<	0.045	µg/L	EPA 200.8	0.045	0.8			
2017/18-4	Lab	LCS	4/13/2018	Metal	Nickel	Total	=	50.3	µg/L	EPA 200.8	0.045	0.8			
2017/18-4	Lab	LCS, rec	4/13/2018	Metal	Nickel	Total	=	101	%	EPA 200.8	-88	-88	85	115	
2017/18-4	Lab	method blank	4/13/2018	Metal	Selenium	Dissolved	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2017/18-4	Lab	LCS	4/13/2018	Metal	Selenium	Dissolved	=	50.2	µg/L	EPA 200.8	0.14	0.4			
2017/18-4	Lab	LCS, rec	4/13/2018	Metal	Selenium	Dissolved	=	101	%	EPA 200.8	-88	-88	85	115	
2017/18-4	000NONPJ	matrix spike	4/13/2018	Metal	Selenium	Total	=	50.7	µg/L	EPA 200.8	0.14	0.4			
2017/18-4	000NONPJ	matrix spike, rec	4/13/2018	Metal	Selenium	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike dup	4/13/2018	Metal	Selenium	Total	=	49.8	µg/L	EPA 200.8	0.14	0.4			
2017/18-4	000NONPJ	matrix spike dup, rec	4/13/2018	Metal	Selenium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike, RPD	4/13/2018	Metal	Selenium	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2017/18-4	000NONPJ	matrix spike	4/13/2018	Metal	Selenium	Total	=	48.2	µg/L	EPA 200.8	0.14	0.4			
2017/18-4	000NONPJ	matrix spike, rec	4/13/2018	Metal	Selenium	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike dup	4/13/2018	Metal	Selenium	Total	=	49.2	µg/L	EPA 200.8	0.14	0.4			
2017/18-4	000NONPJ	matrix spike dup, rec	4/13/2018	Metal	Selenium	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike, RPD	4/13/2018	Metal	Selenium	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2017/18-4	Lab	method blank	4/13/2018	Metal	Selenium	Total	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2017/18-4	Lab	LCS	4/13/2018	Metal	Selenium	Total	=	50.2	µg/L	EPA 200.8	0.14	0.4			
2017/18-4	Lab	LCS, rec	4/13/2018	Metal	Selenium	Total	=	101	%	EPA 200.8	-88	-88	85	115	
2017/18-4	Lab	method blank	4/13/2018	Metal	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2			
2017/18-4	Lab	LCS	4/13/2018	Metal	Silver	Dissolved	=	49	µg/L	EPA 200.8	0.062	0.2			
2017/18-4	Lab	LCS, rec	4/13/2018	Metal	Silver	Dissolved	=	98	%	EPA 200.8	-88	-88	85	115	
2017/18-4	000NONPJ	matrix spike	4/13/2018	Metal	Silver	Total	=	49.2	µg/L	EPA 200.8	0.062	0.2			
2017/18-4	000NONPJ	matrix spike, rec	4/13/2018	Metal	Silver	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike dup	4/13/2018	Metal	Silver	Total	=	47.8	µg/L	EPA 200.8	0.062	0.2			
2017/18-4	000NONPJ	matrix spike dup, rec	4/13/2018	Metal	Silver	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike, RPD	4/13/2018	Metal	Silver	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2017/18-4	000NONPJ	matrix spike	4/13/2018	Metal	Silver	Total	=	47.6	µg/L	EPA 200.8	0.062	0.2			
2017/18-4	000NONPJ	matrix spike, rec	4/13/2018	Metal	Silver	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike dup	4/13/2018	Metal	Silver	Total	=	48.6	µg/L	EPA 200.8	0.062	0.2			
2017/18-4	000NONPJ	matrix spike dup, rec	4/13/2018	Metal	Silver	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike, RPD	4/13/2018	Metal	Silver	Total	=	2	%	EPA 200.8	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-4	Lab	method blank	4/13/2018	Metal	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2			
2017/18-4	Lab	LCS	4/13/2018	Metal	Silver	Total	=	49	µg/L	EPA 200.8	0.062	0.2			
2017/18-4	Lab	LCS, rec	4/13/2018	Metal	Silver	Total	=	98	%	EPA 200.8	-88	-88	85	115	
2017/18-4	Lab	method blank	4/13/2018	Metal	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2017/18-4	Lab	LCS	4/13/2018	Metal	Thallium	Dissolved	=	50.3	µg/L	EPA 200.8	0.014	0.2			
2017/18-4	Lab	LCS, rec	4/13/2018	Metal	Thallium	Dissolved	=	101	%	EPA 200.8	-88	-88	85	115	
2017/18-4	000NONPJ	matrix spike	4/13/2018	Metal	Thallium	Total	=	51	µg/L	EPA 200.8	0.014	0.2			
2017/18-4	000NONPJ	matrix spike, rec	4/13/2018	Metal	Thallium	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike dup	4/13/2018	Metal	Thallium	Total	=	51.2	µg/L	EPA 200.8	0.014	0.2			
2017/18-4	000NONPJ	matrix spike dup, rec	4/13/2018	Metal	Thallium	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike, RPD	4/13/2018	Metal	Thallium	Total	=	0.4	%	EPA 200.8	-88	-88	0	30	
2017/18-4	000NONPJ	matrix spike	4/13/2018	Metal	Thallium	Total	=	51.3	µg/L	EPA 200.8	0.014	0.2			
2017/18-4	000NONPJ	matrix spike, rec	4/13/2018	Metal	Thallium	Total	=	103	%	EPA 200.8	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike dup	4/13/2018	Metal	Thallium	Total	=	51.8	µg/L	EPA 200.8	0.014	0.2			
2017/18-4	000NONPJ	matrix spike dup, rec	4/13/2018	Metal	Thallium	Total	=	104	%	EPA 200.8	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike, RPD	4/13/2018	Metal	Thallium	Total	=	0.8	%	EPA 200.8	-88	-88	0	30	
2017/18-4	Lab	method blank	4/13/2018	Metal	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2017/18-4	Lab	LCS	4/13/2018	Metal	Thallium	Total	=	50.3	µg/L	EPA 200.8	0.014	0.2			
2017/18-4	Lab	LCS, rec	4/13/2018	Metal	Thallium	Total	=	101	%	EPA 200.8	-88	-88	85	115	
2017/18-4	Lab	method blank	4/13/2018	Metal	Zinc	Dissolved	<	0.94	µg/L	EPA 200.8	0.94	5			
2017/18-4	Lab	LCS	4/13/2018	Metal	Zinc	Dissolved	=	51.3	µg/L	EPA 200.8	0.94	5			
2017/18-4	Lab	LCS, rec	4/13/2018	Metal	Zinc	Dissolved	=	103	%	EPA 200.8	-88	-88	85	115	
2017/18-4	000NONPJ	matrix spike	4/13/2018	Metal	Zinc	Total	=	151	µg/L	EPA 200.8	0.94	5			
2017/18-4	000NONPJ	matrix spike, rec	4/13/2018	Metal	Zinc	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike dup	4/13/2018	Metal	Zinc	Total	=	162	µg/L	EPA 200.8	0.94	5			
2017/18-4	000NONPJ	matrix spike dup, rec	4/13/2018	Metal	Zinc	Total	=	124	%	EPA 200.8	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike, RPD	4/13/2018	Metal	Zinc	Total	=	7	%	EPA 200.8	-88	-88	0	30	
2017/18-4	000NONPJ	matrix spike	4/13/2018	Metal	Zinc	Total	=	264	µg/L	EPA 200.8	0.94	5			
2017/18-4	000NONPJ	matrix spike, rec	4/13/2018	Metal	Zinc	Total	=	103	%	EPA 200.8	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike dup	4/13/2018	Metal	Zinc	Total	=	263	µg/L	EPA 200.8	0.94	5			
2017/18-4	000NONPJ	matrix spike dup, rec	4/13/2018	Metal	Zinc	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike, RPD	4/13/2018	Metal	Zinc	Total	=	0.2	%	EPA 200.8	-88	-88	0	30	
2017/18-4	Lab	method blank	4/13/2018	Metal	Zinc	Total	<	0.94	µg/L	EPA 200.8	0.94	5			
2017/18-4	Lab	LCS	4/13/2018	Metal	Zinc	Total	=	51.3	µg/L	EPA 200.8	0.94	5			
2017/18-4	Lab	LCS, rec	4/13/2018	Metal	Zinc	Total	=	103	%	EPA 200.8	-88	-88	85	115	
2017/18-4	000NONPJ	matrix spike	3/29/2018	Nutrient	Ammonia as N	n/a	=	0.369	mg/L	EPA 350.1	0.048	0.1			
2017/18-4	000NONPJ	matrix spike	3/29/2018	Nutrient	Ammonia as N	n/a	=	0.365	mg/L	EPA 350.1	0.048	0.1			
2017/18-4	000NONPJ	matrix spike dup	3/29/2018	Nutrient	Ammonia as N	n/a	=	0.365	mg/L	EPA 350.1	0.048	0.1			
2017/18-4	000NONPJ	matrix spike dup	3/29/2018	Nutrient	Ammonia as N	n/a	=	0.371	mg/L	EPA 350.1	0.048	0.1			
2017/18-4	000NONPJ	matrix spike dup, rec	3/29/2018	Nutrient	Ammonia as N	n/a	=	103	%	EPA 350.1	-88	-88	90	110	
2017/18-4	000NONPJ	matrix spike dup, rec	3/29/2018	Nutrient	Ammonia as N	n/a	=	100	%	EPA 350.1	-88	-88	90	110	
2017/18-4	000NONPJ	matrix spike, rec	3/29/2018	Nutrient	Ammonia as N	n/a	=	100	%	EPA 350.1	-88	-88	90	110	
2017/18-4	000NONPJ	matrix spike, rec	3/29/2018	Nutrient	Ammonia as N	n/a	=	104	%	EPA 350.1	-88	-88	90	110	
2017/18-4	000NONPJ	matrix spike, RPD	3/29/2018	Nutrient	Ammonia as N	n/a	=	0.1	%	EPA 350.1	-88	-88	0	15	
2017/18-4	000NONPJ	matrix spike, RPD	3/29/2018	Nutrient	Ammonia as N	n/a	=	0.5	%	EPA 350.1	-88	-88	0	15	
2017/18-4	Lab	LCS	3/29/2018	Nutrient	Ammonia as N	n/a	=	0.246	mg/L	EPA 350.1	0.048	0.1			
2017/18-4	Lab	LCS	3/29/2018	Nutrient	Ammonia as N	n/a	=	0.246	mg/L	EPA 350.1	0.048	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-4	Lab	LCS, rec	3/29/2018	Nutrient	Ammonia as N	n/a	=	99	%	EPA 350.1	-88	-88	90	110	
2017/18-4	Lab	LCS, rec	3/29/2018	Nutrient	Ammonia as N	n/a	=	99	%	EPA 350.1	-88	-88	90	110	
2017/18-4	Lab	method blank	3/29/2018	Nutrient	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1			
2017/18-4	Lab	method blank	3/29/2018	Nutrient	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1			
2017/18-4	000NONPJ	matrix spike	3/25/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	2.63	mg/L	EPA 353.2	0.083	0.2			
2017/18-4	000NONPJ	matrix spike, rec	3/25/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	110	%	EPA 353.2	-88	-88	90	110	
2017/18-4	000NONPJ	matrix spike dup	3/25/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	2.62	mg/L	EPA 353.2	0.083	0.2			
2017/18-4	000NONPJ	matrix spike dup, rec	3/25/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	109	%	EPA 353.2	-88	-88	90	110	
2017/18-4	000NONPJ	matrix spike, RPD	3/25/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	0.4	%	EPA 353.2	-88	-88	0	20	
2017/18-4	000NONPJ	matrix spike	3/25/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	1.97	mg/L	EPA 353.2	0.083	0.2			
2017/18-4	000NONPJ	matrix spike, rec	3/25/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	98	%	EPA 353.2	-88	-88	90	110	
2017/18-4	000NONPJ	matrix spike dup	3/25/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	2.04	mg/L	EPA 353.2	0.083	0.2			
2017/18-4	000NONPJ	matrix spike dup, rec	3/25/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	102	%	EPA 353.2	-88	-88	90	110	
2017/18-4	000NONPJ	matrix spike, RPD	3/25/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	3	%	EPA 353.2	-88	-88	0	20	
2017/18-4	Lab	method blank	3/25/2018	Nutrient	Nitrate + Nitrite as N	n/a	<	0.083	mg/L	EPA 353.2	0.083	0.2			
2017/18-4	Lab	LCS	3/25/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	1.03	mg/L	EPA 353.2	0.083	0.2			
2017/18-4	Lab	LCS, rec	3/25/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	103	%	EPA 353.2	-88	-88	90	110	
2017/18-4	Lab	method blank	4/3/2018	Nutrient	Phosphorus as P	Dissolved	DNQ	0.0015	mg/L	EPA 365.1	0.0014	0.01			IP
2017/18-4	Lab	LCS	4/3/2018	Nutrient	Phosphorus as P	Dissolved	=	0.0501	mg/L	EPA 365.1	0.0014	0.01			
2017/18-4	Lab	LCS, rec	4/3/2018	Nutrient	Phosphorus as P	Dissolved	=	100	%	EPA 365.1	-88	-88	90	110	
2017/18-4	MO-HUE	matrix spike	4/3/2018	Nutrient	Phosphorus as P	Dissolved	=	0.193	mg/L	EPA 365.1	0.0028	0.02			
2017/18-4	MO-HUE	matrix spike, rec	4/3/2018	Nutrient	Phosphorus as P	Dissolved	=	99	%	EPA 365.1	-88	-88	90	110	
2017/18-4	MO-HUE	matrix spike dup	4/3/2018	Nutrient	Phosphorus as P	Dissolved	=	0.194	mg/L	EPA 365.1	0.0028	0.02			
2017/18-4	MO-HUE	matrix spike dup, rec	4/3/2018	Nutrient	Phosphorus as P	Dissolved	=	100	%	EPA 365.1	-88	-88	90	110	
2017/18-4	MO-HUE	matrix spike, RPD	4/3/2018	Nutrient	Phosphorus as P	Dissolved	=	0.2	%	EPA 365.1	-88	-88	0	20	
2017/18-4	000NONPJ	matrix spike	3/30/2018	Nutrient	Phosphorus as P	Total	=	0.472	mg/L	EPA 365.1	0.0056	0.04			GB
2017/18-4	000NONPJ	matrix spike, rec	3/30/2018	Nutrient	Phosphorus as P	Total	=	60	%	EPA 365.1	-88	-88	90	110	GB
2017/18-4	000NONPJ	matrix spike dup	3/30/2018	Nutrient	Phosphorus as P	Total	=	0.492	mg/L	EPA 365.1	0.0056	0.04			GB
2017/18-4	000NONPJ	matrix spike dup, rec	3/30/2018	Nutrient	Phosphorus as P	Total	=	70	%	EPA 365.1	-88	-88	90	110	GB
2017/18-4	000NONPJ	matrix spike, RPD	3/30/2018	Nutrient	Phosphorus as P	Total	=	4	%	EPA 365.1	-88	-88	0	20	
2017/18-4	Lab	method blank	3/30/2018	Nutrient	Phosphorus as P	Total	<	0.0014	mg/L	EPA 365.1	0.0014	0.01			
2017/18-4	Lab	LCS	3/30/2018	Nutrient	Phosphorus as P	Total	=	0.0527	mg/L	EPA 365.1	0.0014	0.01			
2017/18-4	Lab	LCS, rec	3/30/2018	Nutrient	Phosphorus as P	Total	=	105	%	EPA 365.1	-88	-88	90	110	
2017/18-4	MO-HUE	matrix spike	3/30/2018	Nutrient	Phosphorus as P	Total	=	0.336	mg/L	EPA 365.1	0.0056	0.04			GB
2017/18-4	MO-HUE	matrix spike, rec	3/30/2018	Nutrient	Phosphorus as P	Total	=	61	%	EPA 365.1	-88	-88	90	110	GB
2017/18-4	MO-HUE	matrix spike dup	3/30/2018	Nutrient	Phosphorus as P	Total	=	0.348	mg/L	EPA 365.1	0.0056	0.04			GB
2017/18-4	MO-HUE	matrix spike dup, rec	3/30/2018	Nutrient	Phosphorus as P	Total	=	67	%	EPA 365.1	-88	-88	90	110	GB
2017/18-4	MO-HUE	matrix spike, RPD	3/30/2018	Nutrient	Phosphorus as P	Total	=	3	%	EPA 365.1	-88	-88	0	20	
2017/18-4	000NONPJ	matrix spike	4/2/2018	Nutrient	TKN	n/a	=	1.21	mg/L	EPA 351.2	0.05	0.1			
2017/18-4	000NONPJ	matrix spike	4/2/2018	Nutrient	TKN	n/a	=	1.35	mg/L	EPA 351.2	0.05	0.1			
2017/18-4	000NONPJ	matrix spike dup	4/2/2018	Nutrient	TKN	n/a	=	1.24	mg/L	EPA 351.2	0.05	0.1			
2017/18-4	000NONPJ	matrix spike dup	4/2/2018	Nutrient	TKN	n/a	=	1.32	mg/L	EPA 351.2	0.05	0.1			
2017/18-4	000NONPJ	matrix spike dup, rec	4/2/2018	Nutrient	TKN	n/a	=	98	%	EPA 351.2	-88	-88	90	110	
2017/18-4	000NONPJ	matrix spike dup, rec	4/2/2018	Nutrient	TKN	n/a	=	96	%	EPA 351.2	-88	-88	90	110	
2017/18-4	000NONPJ	matrix spike, rec	4/2/2018	Nutrient	TKN	n/a	=	93	%	EPA 351.2	-88	-88	90	110	
2017/18-4	000NONPJ	matrix spike, rec	4/2/2018	Nutrient	TKN	n/a	=	101	%	EPA 351.2	-88	-88	90	110	
2017/18-4	000NONPJ	matrix spike, RPD	4/2/2018	Nutrient	TKN	n/a	=	2	%	EPA 351.2	-88	-88	0	10	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-4	000NONPJ	matrix spike, RPD	4/2/2018	Nutrient	TKN	n/a	=	2	%	EPA 351.2	-88	-88	0	10	
2017/18-4	Lab	LCS	4/2/2018	Nutrient	TKN	n/a	=	1.03	mg/L	EPA 351.2	0.05	0.1			
2017/18-4	Lab	LCS	4/2/2018	Nutrient	TKN	n/a	=	1.02	mg/L	EPA 351.2	0.05	0.1			
2017/18-4	Lab	LCS, rec	4/2/2018	Nutrient	TKN	n/a	=	103	%	EPA 351.2	-88	-88	90	110	
2017/18-4	Lab	LCS, rec	4/2/2018	Nutrient	TKN	n/a	=	102	%	EPA 351.2	-88	-88	90	110	
2017/18-4	Lab	method blank	4/2/2018	Nutrient	TKN	n/a	<	0.05	mg/L	EPA 351.2	0.05	0.1			
2017/18-4	Lab	method blank	4/2/2018	Nutrient	TKN	n/a	<	0.05	mg/L	EPA 351.2	0.05	0.1			
2017/18-4	Lab	method blank	4/5/2018	Organic	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1			
2017/18-4	Lab	LCS	4/5/2018	Organic	1,2,4-Trichlorobenzene	n/a	=	19.8	µg/L	EPA 625	0.55	1			
2017/18-4	Lab	LCS, rec	4/5/2018	Organic	1,2,4-Trichlorobenzene	n/a	=	79	%	EPA 625	-88	-88	44	142	
2017/18-4	Lab	LCS dup	4/5/2018	Organic	1,2,4-Trichlorobenzene	n/a	=	19.4	µg/L	EPA 625	0.55	1			
2017/18-4	Lab	LCS dup, rec	4/5/2018	Organic	1,2,4-Trichlorobenzene	n/a	=	78	%	EPA 625	-88	-88	44	142	
2017/18-4	Lab	LCS, RPD	4/5/2018	Organic	1,2,4-Trichlorobenzene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2017/18-4	Lab	method blank	4/5/2018	Organic	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1			
2017/18-4	Lab	LCS	4/5/2018	Organic	1,2-Dichlorobenzene	n/a	=	20.7	µg/L	EPA 625	0.57	1			
2017/18-4	Lab	LCS, rec	4/5/2018	Organic	1,2-Dichlorobenzene	n/a	=	83	%	EPA 625	-88	-88	32	129	
2017/18-4	Lab	LCS dup	4/5/2018	Organic	1,2-Dichlorobenzene	n/a	=	19.4	µg/L	EPA 625	0.57	1			
2017/18-4	Lab	LCS dup, rec	4/5/2018	Organic	1,2-Dichlorobenzene	n/a	=	78	%	EPA 625	-88	-88	32	129	
2017/18-4	Lab	LCS, RPD	4/5/2018	Organic	1,2-Dichlorobenzene	n/a	=	6	%	EPA 625	-88	-88	0	30	
2017/18-4	Lab	srgt LCS	3/23/2018	Organic	1,2-Dichloroethane-d4	n/a	=	52.4	µg/L	EPA 624	-88	-88			
2017/18-4	Lab	srgt LCS, rec	3/23/2018	Organic	1,2-Dichloroethane-d4	n/a	=	105	%	EPA 624	-88	-88	82	125	
2017/18-4	Lab	srgt LCS dup	3/23/2018	Organic	1,2-Dichloroethane-d4	n/a	=	49.4	µg/L	EPA 624	-88	-88			
2017/18-4	Lab	srgt LCS dup, rec	3/23/2018	Organic	1,2-Dichloroethane-d4	n/a	=	99	%	EPA 624	-88	-88	82	125	
2017/18-4	Lab	srgt method blank	3/23/2018	Organic	1,2-Dichloroethane-d4	n/a	=	48.6	µg/L	EPA 624	-88	-88			
2017/18-4	Lab	srgt method blank, rec	3/23/2018	Organic	1,2-Dichloroethane-d4	n/a	=	97	%	EPA 624	-88	-88	82	125	
2017/18-4	MO-HUE	srgt environ	3/23/2018	Organic	1,2-Dichloroethane-d4	n/a	=	48.7	µg/L	EPA 624	-88	-88			
2017/18-4	MO-HUE	srgt environ, rec	3/23/2018	Organic	1,2-Dichloroethane-d4	n/a	=	97	%	EPA 624	-88	-88	82	125	
2017/18-4	MO-HUE	srgt field duplicate	3/23/2018	Organic	1,2-Dichloroethane-d4	n/a	=	49.2	µg/L	EPA 624	-88	-88			
2017/18-4	MO-HUE	srgt field duplicate, rec	3/23/2018	Organic	1,2-Dichloroethane-d4	n/a	=	98	%	EPA 624	-88	-88	82	125	
2017/18-4	MO-HUE	srgt matrix spike	3/23/2018	Organic	1,2-Dichloroethane-d4	n/a	=	47.1	µg/L	EPA 624	-88	-88			
2017/18-4	MO-HUE	srgt matrix spike, rec	3/23/2018	Organic	1,2-Dichloroethane-d4	n/a	=	94	%	EPA 624	-88	-88	82	125	
2017/18-4	MO-HUE	srgt matrix spike dup	3/23/2018	Organic	1,2-Dichloroethane-d4	n/a	=	51.6	µg/L	EPA 624	-88	-88			
2017/18-4	MO-HUE	srgt matrix spike dup, rec	3/23/2018	Organic	1,2-Dichloroethane-d4	n/a	=	103	%	EPA 624	-88	-88	82	125	
2017/18-4	Lab	method blank	4/5/2018	Organic	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2017/18-4	Lab	method blank	4/5/2018	Organic	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1			
2017/18-4	Lab	LCS	4/5/2018	Organic	1,3-Dichlorobenzene	n/a	=	19.7	µg/L	EPA 625	0.53	1			
2017/18-4	Lab	LCS, rec	4/5/2018	Organic	1,3-Dichlorobenzene	n/a	=	79	%	EPA 625	-88	-88	0.1	172	
2017/18-4	Lab	LCS dup	4/5/2018	Organic	1,3-Dichlorobenzene	n/a	=	18.7	µg/L	EPA 625	0.53	1			
2017/18-4	Lab	LCS dup, rec	4/5/2018	Organic	1,3-Dichlorobenzene	n/a	=	75	%	EPA 625	-88	-88	0.1	172	
2017/18-4	Lab	LCS, RPD	4/5/2018	Organic	1,3-Dichlorobenzene	n/a	=	5	%	EPA 625	-88	-88	0	30	
2017/18-4	000NONPJ	srgt matrix spike	3/30/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.463	µg/L	EPA 525.2m	-88	-88			
2017/18-4	000NONPJ	srgt matrix spike, rec	3/30/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	93	%	EPA 525.2m	-88	-88	76	128	
2017/18-4	000NONPJ	srgt matrix spike dup	3/30/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.496	µg/L	EPA 525.2m	-88	-88			
2017/18-4	000NONPJ	srgt matrix spike dup, rec	3/30/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	99	%	EPA 525.2m	-88	-88	76	128	
2017/18-4	Lab	srgt method blank	3/30/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.339	µg/L	EPA 525.2m	-88	-88			GN
2017/18-4	Lab	srgt method blank, rec	3/30/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	68	%	EPA 525.2m	-88	-88	76	128	GN
2017/18-4	Lab	srgt LCS	3/30/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.357	µg/L	EPA 525.2m	-88	-88			GN

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-4	Lab	srgt LCS, rec	3/30/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	71	%	EPA 525.2m	-88	-88	76	128	GN
2017/18-4	Lab	srgt method blank	4/4/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.18	µg/L	EPA 525.2	-88	-88			
2017/18-4	Lab	srgt method blank, rec	4/4/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	104	%	EPA 525.2	-88	-88	70	130	
2017/18-4	Lab	srgt LCS	4/4/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.79	µg/L	EPA 525.2	-88	-88			
2017/18-4	Lab	srgt LCS, rec	4/4/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	96	%	EPA 525.2	-88	-88	70	130	
2017/18-4	Lab	srgt LCS dup	4/4/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5	µg/L	EPA 525.2	-88	-88			
2017/18-4	Lab	srgt LCS dup, rec	4/4/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	100	%	EPA 525.2	-88	-88	70	130	
2017/18-4	MO-HUE	srgt matrix spike	3/30/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.467	µg/L	EPA 525.2m	-88	-88			
2017/18-4	MO-HUE	srgt matrix spike, rec	3/30/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	93	%	EPA 525.2m	-88	-88	76	128	
2017/18-4	MO-HUE	srgt matrix spike dup	3/30/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.458	µg/L	EPA 525.2m	-88	-88			
2017/18-4	MO-HUE	srgt matrix spike dup, rec	3/30/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	92	%	EPA 525.2m	-88	-88	76	128	
2017/18-4	MO-HUE	srgt environ	3/30/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.775	µg/L	EPA 525.2m	-88	-88			GN
2017/18-4	MO-HUE	srgt environ, rec	3/30/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	155	%	EPA 525.2m	-88	-88	76	128	GN
2017/18-4	MO-HUE	srgt environ	4/4/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.65	µg/L	EPA 525.2	-88	-88			
2017/18-4	MO-HUE	srgt environ, rec	4/4/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	113	%	EPA 525.2	-88	-88	70	130	
2017/18-4	Lab	method blank	4/5/2018	Organic	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1			
2017/18-4	Lab	LCS	4/5/2018	Organic	1,4-Dichlorobenzene	n/a	=	19.7	µg/L	EPA 625	0.55	1			
2017/18-4	Lab	LCS, rec	4/5/2018	Organic	1,4-Dichlorobenzene	n/a	=	79	%	EPA 625	-88	-88	20	124	
2017/18-4	Lab	LCS dup	4/5/2018	Organic	1,4-Dichlorobenzene	n/a	=	19	µg/L	EPA 625	0.55	1			
2017/18-4	Lab	LCS dup, rec	4/5/2018	Organic	1,4-Dichlorobenzene	n/a	=	76	%	EPA 625	-88	-88	20	124	
2017/18-4	Lab	LCS, RPD	4/5/2018	Organic	1,4-Dichlorobenzene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2017/18-4	Lab	method blank	3/30/2018	Organic	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-4	Lab	method blank	3/30/2018	Organic	1-Methylphenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-4	Lab	method blank	4/10/2018	Organic	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1			
2017/18-4	Lab	srgt method blank	4/5/2018	Organic	2,4,6-Tribromophenol	n/a	=	33.8	µg/L	EPA 625	-88	-88			
2017/18-4	Lab	srgt method blank, rec	4/5/2018	Organic	2,4,6-Tribromophenol	n/a	=	68	%	EPA 625	-88	-88	25	102	
2017/18-4	Lab	srgt LCS	4/5/2018	Organic	2,4,6-Tribromophenol	n/a	=	38.7	µg/L	EPA 625	-88	-88			
2017/18-4	Lab	srgt LCS, rec	4/5/2018	Organic	2,4,6-Tribromophenol	n/a	=	77	%	EPA 625	-88	-88	25	102	
2017/18-4	Lab	srgt LCS dup	4/5/2018	Organic	2,4,6-Tribromophenol	n/a	=	39.7	µg/L	EPA 625	-88	-88			
2017/18-4	Lab	srgt LCS dup, rec	4/5/2018	Organic	2,4,6-Tribromophenol	n/a	=	79	%	EPA 625	-88	-88	25	102	
2017/18-4	Lab	srgt method blank	4/10/2018	Organic	2,4,6-Tribromophenol	n/a	=	2.57	µg/L	EPA 8270C	-88	-88			
2017/18-4	Lab	srgt method blank, rec	4/10/2018	Organic	2,4,6-Tribromophenol	n/a	=	26	%	EPA 8270C	-88	-88	26	117	
2017/18-4	Lab	srgt LCS	4/10/2018	Organic	2,4,6-Tribromophenol	n/a	=	5.12	µg/L	EPA 8270C	-88	-88			
2017/18-4	Lab	srgt LCS, rec	4/10/2018	Organic	2,4,6-Tribromophenol	n/a	=	51	%	EPA 8270C	-88	-88	26	117	
2017/18-4	Lab	srgt LCS dup	4/10/2018	Organic	2,4,6-Tribromophenol	n/a	=	5.49	µg/L	EPA 8270C	-88	-88			
2017/18-4	Lab	srgt LCS dup, rec	4/10/2018	Organic	2,4,6-Tribromophenol	n/a	=	55	%	EPA 8270C	-88	-88	26	117	
2017/18-4	MO-HUE	srgt environ	4/5/2018	Organic	2,4,6-Tribromophenol	n/a	=	35.9	µg/L	EPA 625	-88	-88			
2017/18-4	MO-HUE	srgt environ, rec	4/5/2018	Organic	2,4,6-Tribromophenol	n/a	=	72	%	EPA 625	-88	-88	25	102	
2017/18-4	MO-HUE	srgt environ	4/10/2018	Organic	2,4,6-Tribromophenol	n/a	=	8.31	µg/L	EPA 8270C	-88	-88			
2017/18-4	MO-HUE	srgt environ, rec	4/10/2018	Organic	2,4,6-Tribromophenol	n/a	=	83	%	EPA 8270C	-88	-88	26	117	
2017/18-4	Lab	method blank	4/5/2018	Organic	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2017/18-4	Lab	LCS	4/5/2018	Organic	2,4,6-Trichlorophenol	n/a	=	22.3	µg/L	EPA 625	0.22	1			
2017/18-4	Lab	LCS, rec	4/5/2018	Organic	2,4,6-Trichlorophenol	n/a	=	89	%	EPA 625	-88	-88	37	144	
2017/18-4	Lab	LCS dup	4/5/2018	Organic	2,4,6-Trichlorophenol	n/a	=	21.8	µg/L	EPA 625	0.22	1			
2017/18-4	Lab	LCS dup, rec	4/5/2018	Organic	2,4,6-Trichlorophenol	n/a	=	87	%	EPA 625	-88	-88	37	144	
2017/18-4	Lab	LCS, RPD	4/5/2018	Organic	2,4,6-Trichlorophenol	n/a	=	2	%	EPA 625	-88	-88	0	30	
2017/18-4	Lab	method blank	4/10/2018	Organic	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-4	Lab	LCS	4/10/2018	Organic	2,4,6-Trichlorophenol	n/a	=	6.6	µg/L	EPA 8270C	0.3	1			
2017/18-4	Lab	LCS, rec	4/10/2018	Organic	2,4,6-Trichlorophenol	n/a	=	66	%	EPA 8270C	-88	-88	30	115	
2017/18-4	Lab	LCS dup	4/10/2018	Organic	2,4,6-Trichlorophenol	n/a	=	7.06	µg/L	EPA 8270C	0.3	1			
2017/18-4	Lab	LCS dup, rec	4/10/2018	Organic	2,4,6-Trichlorophenol	n/a	=	71	%	EPA 8270C	-88	-88	30	115	
2017/18-4	Lab	LCS, RPD	4/10/2018	Organic	2,4,6-Trichlorophenol	n/a	=	7	%	EPA 8270C	-88	-88	0	30	
2017/18-4	Lab	method blank	4/5/2018	Organic	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2017/18-4	Lab	LCS	4/5/2018	Organic	2,4-Dichlorophenol	n/a	=	19.4	µg/L	EPA 625	0.26	1			
2017/18-4	Lab	LCS, rec	4/5/2018	Organic	2,4-Dichlorophenol	n/a	=	78	%	EPA 625	-88	-88	39	135	
2017/18-4	Lab	LCS dup	4/5/2018	Organic	2,4-Dichlorophenol	n/a	=	19.3	µg/L	EPA 625	0.26	1			
2017/18-4	Lab	LCS dup, rec	4/5/2018	Organic	2,4-Dichlorophenol	n/a	=	77	%	EPA 625	-88	-88	39	135	
2017/18-4	Lab	LCS, RPD	4/5/2018	Organic	2,4-Dichlorophenol	n/a	=	0.8	%	EPA 625	-88	-88	0	30	
2017/18-4	Lab	method blank	4/10/2018	Organic	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1			
2017/18-4	Lab	LCS	4/10/2018	Organic	2,4-Dichlorophenol	n/a	=	6.16	µg/L	EPA 8270C	0.51	1			
2017/18-4	Lab	LCS, rec	4/10/2018	Organic	2,4-Dichlorophenol	n/a	=	62	%	EPA 8270C	-88	-88	32	105	
2017/18-4	Lab	LCS dup	4/10/2018	Organic	2,4-Dichlorophenol	n/a	=	6.79	µg/L	EPA 8270C	0.51	1			
2017/18-4	Lab	LCS dup, rec	4/10/2018	Organic	2,4-Dichlorophenol	n/a	=	68	%	EPA 8270C	-88	-88	32	105	
2017/18-4	Lab	LCS, RPD	4/10/2018	Organic	2,4-Dichlorophenol	n/a	=	10	%	EPA 8270C	-88	-88	0	30	
2017/18-4	000NONPJ	srgt matrix spike	3/26/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	11.3	µg/L	EPA 515.3	-88	-88			
2017/18-4	000NONPJ	srgt matrix spike, rec	3/26/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	113	%	EPA 515.3	-88	-88	70	130	
2017/18-4	000NONPJ	srgt matrix spike dup	3/26/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	11	µg/L	EPA 515.3	-88	-88			
2017/18-4	000NONPJ	srgt matrix spike dup, rec	3/26/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	110	%	EPA 515.3	-88	-88	70	130	
2017/18-4	Lab	srgt method blank	3/26/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	11.3	µg/L	EPA 515.3	-88	-88			
2017/18-4	Lab	srgt method blank, rec	3/26/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	113	%	EPA 515.3	-88	-88	70	130	
2017/18-4	Lab	srgt LCS	3/26/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	12.7	µg/L	EPA 515.3	-88	-88			
2017/18-4	Lab	srgt LCS, rec	3/26/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	127	%	EPA 515.3	-88	-88	70	130	
2017/18-4	MO-HUE	srgt environ	3/27/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.8	µg/L	EPA 515.3	-88	-88			
2017/18-4	MO-HUE	srgt environ, rec	3/27/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	108	%	EPA 515.3	-88	-88	70	130	
2017/18-4	Lab	method blank	4/5/2018	Organic	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1			
2017/18-4	Lab	LCS	4/5/2018	Organic	2,4-Dimethylphenol	n/a	=	15.1	µg/L	EPA 625	0.3	1			
2017/18-4	Lab	LCS, rec	4/5/2018	Organic	2,4-Dimethylphenol	n/a	=	60	%	EPA 625	-88	-88	32	119	
2017/18-4	Lab	LCS dup	4/5/2018	Organic	2,4-Dimethylphenol	n/a	=	16.2	µg/L	EPA 625	0.3	1			
2017/18-4	Lab	LCS dup, rec	4/5/2018	Organic	2,4-Dimethylphenol	n/a	=	65	%	EPA 625	-88	-88	32	119	
2017/18-4	Lab	LCS, RPD	4/5/2018	Organic	2,4-Dimethylphenol	n/a	=	7	%	EPA 625	-88	-88	0	30	
2017/18-4	Lab	method blank	4/10/2018	Organic	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2			
2017/18-4	Lab	LCS	4/10/2018	Organic	2,4-Dimethylphenol	n/a	DNQ	1.42	µg/L	EPA 8270C	1	2			EUM
2017/18-4	Lab	LCS, rec	4/10/2018	Organic	2,4-Dimethylphenol	n/a	=	14	%	EPA 8270C	-88	-88	31	97	EUM
2017/18-4	Lab	LCS dup	4/10/2018	Organic	2,4-Dimethylphenol	n/a	=	2.15	µg/L	EPA 8270C	1	2			EUM
2017/18-4	Lab	LCS dup, rec	4/10/2018	Organic	2,4-Dimethylphenol	n/a	=	21	%	EPA 8270C	-88	-88	31	97	EUM
2017/18-4	Lab	LCS, RPD	4/10/2018	Organic	2,4-Dimethylphenol	n/a	=	41	%	EPA 8270C	-88	-88	0	30	IL
2017/18-4	Lab	method blank	4/5/2018	Organic	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10			
2017/18-4	Lab	LCS	4/5/2018	Organic	2,4-Dinitrophenol	n/a	=	21.1	µg/L	EPA 625	1.6	10			
2017/18-4	Lab	LCS, rec	4/5/2018	Organic	2,4-Dinitrophenol	n/a	=	85	%	EPA 625	-88	-88	0.1	191	
2017/18-4	Lab	LCS dup	4/5/2018	Organic	2,4-Dinitrophenol	n/a	=	22.7	µg/L	EPA 625	1.6	10			
2017/18-4	Lab	LCS dup, rec	4/5/2018	Organic	2,4-Dinitrophenol	n/a	=	91	%	EPA 625	-88	-88	0.1	191	
2017/18-4	Lab	LCS, RPD	4/5/2018	Organic	2,4-Dinitrophenol	n/a	=	7	%	EPA 625	-88	-88	0	30	
2017/18-4	Lab	method blank	4/10/2018	Organic	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2			
2017/18-4	Lab	LCS	4/10/2018	Organic	2,4-Dinitrophenol	n/a	=	5.84	µg/L	EPA 8270C	1	2			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-4	Lab	LCS, rec	4/10/2018	Organic	2,4-Dinitrophenol	n/a	=	58	%	EPA 8270C	-88	-88	7	155	
2017/18-4	Lab	LCS dup	4/10/2018	Organic	2,4-Dinitrophenol	n/a	=	6.03	µg/L	EPA 8270C	1	2			
2017/18-4	Lab	LCS dup, rec	4/10/2018	Organic	2,4-Dinitrophenol	n/a	=	60	%	EPA 8270C	-88	-88	7	155	
2017/18-4	Lab	LCS, RPD	4/10/2018	Organic	2,4-Dinitrophenol	n/a	=	3	%	EPA 8270C	-88	-88	0	30	
2017/18-4	Lab	method blank	4/5/2018	Organic	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2017/18-4	Lab	LCS	4/5/2018	Organic	2,4-Dinitrotoluene	n/a	=	20.4	µg/L	EPA 625	0.18	1			
2017/18-4	Lab	LCS, rec	4/5/2018	Organic	2,4-Dinitrotoluene	n/a	=	82	%	EPA 625	-88	-88	39	139	
2017/18-4	Lab	LCS dup	4/5/2018	Organic	2,4-Dinitrotoluene	n/a	=	21.3	µg/L	EPA 625	0.18	1			
2017/18-4	Lab	LCS dup, rec	4/5/2018	Organic	2,4-Dinitrotoluene	n/a	=	85	%	EPA 625	-88	-88	39	139	
2017/18-4	Lab	LCS, RPD	4/5/2018	Organic	2,4-Dinitrotoluene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2017/18-4	Lab	method blank	3/30/2018	Organic	2,6-Dimethylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-4	Lab	method blank	4/5/2018	Organic	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2017/18-4	Lab	LCS	4/5/2018	Organic	2,6-Dinitrotoluene	n/a	=	21.4	µg/L	EPA 625	0.27	1			
2017/18-4	Lab	LCS, rec	4/5/2018	Organic	2,6-Dinitrotoluene	n/a	=	86	%	EPA 625	-88	-88	50	158	
2017/18-4	Lab	LCS dup	4/5/2018	Organic	2,6-Dinitrotoluene	n/a	=	21	µg/L	EPA 625	0.27	1			
2017/18-4	Lab	LCS dup, rec	4/5/2018	Organic	2,6-Dinitrotoluene	n/a	=	84	%	EPA 625	-88	-88	50	158	
2017/18-4	Lab	LCS, RPD	4/5/2018	Organic	2,6-Dinitrotoluene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2017/18-4	Lab	LCS	3/23/2018	Organic	2-Chloroethyl vinyl ether	n/a	=	56.6	µg/L	EPA 624	0.28	1			
2017/18-4	Lab	LCS, rec	3/23/2018	Organic	2-Chloroethyl vinyl ether	n/a	=	113	%	EPA 624	-88	-88	0.1	305	
2017/18-4	Lab	LCS dup	3/23/2018	Organic	2-Chloroethyl vinyl ether	n/a	=	57.3	µg/L	EPA 624	0.28	1			
2017/18-4	Lab	LCS dup, rec	3/23/2018	Organic	2-Chloroethyl vinyl ether	n/a	=	115	%	EPA 624	-88	-88	0.1	305	
2017/18-4	Lab	LCS, RPD	3/23/2018	Organic	2-Chloroethyl vinyl ether	n/a	=	1	%	EPA 624	-88	-88	0	25	
2017/18-4	Lab	method blank	3/23/2018	Organic	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1			
2017/18-4	MO-HUE	field duplicate	3/23/2018	Organic	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1			
2017/18-4	MO-HUE	matrix spike	3/23/2018	Organic	2-Chloroethyl vinyl ether	n/a	=	46.2	µg/L	EPA 624	0.28	1			
2017/18-4	MO-HUE	matrix spike, rec	3/23/2018	Organic	2-Chloroethyl vinyl ether	n/a	=	92	%	EPA 624	-88	-88	0.1	305	
2017/18-4	MO-HUE	matrix spike dup	3/23/2018	Organic	2-Chloroethyl vinyl ether	n/a	=	51.3	µg/L	EPA 624	0.28	1			
2017/18-4	MO-HUE	matrix spike dup, rec	3/23/2018	Organic	2-Chloroethyl vinyl ether	n/a	=	103	%	EPA 624	-88	-88	0.1	305	
2017/18-4	MO-HUE	matrix spike, RPD	3/23/2018	Organic	2-Chloroethyl vinyl ether	n/a	=	11	%	EPA 624	-88	-88	0	25	
2017/18-4	Lab	method blank	4/5/2018	Organic	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1			
2017/18-4	Lab	LCS	4/5/2018	Organic	2-Chloronaphthalene	n/a	=	23.1	µg/L	EPA 625	0.45	1			
2017/18-4	Lab	LCS, rec	4/5/2018	Organic	2-Chloronaphthalene	n/a	=	92	%	EPA 625	-88	-88	60	118	
2017/18-4	Lab	LCS dup	4/5/2018	Organic	2-Chloronaphthalene	n/a	=	22.3	µg/L	EPA 625	0.45	1			
2017/18-4	Lab	LCS dup, rec	4/5/2018	Organic	2-Chloronaphthalene	n/a	=	89	%	EPA 625	-88	-88	60	118	
2017/18-4	Lab	LCS, RPD	4/5/2018	Organic	2-Chloronaphthalene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2017/18-4	Lab	method blank	4/5/2018	Organic	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1			
2017/18-4	Lab	LCS	4/5/2018	Organic	2-Chlorophenol	n/a	=	19.2	µg/L	EPA 625	0.28	1			
2017/18-4	Lab	LCS, rec	4/5/2018	Organic	2-Chlorophenol	n/a	=	77	%	EPA 625	-88	-88	23	134	
2017/18-4	Lab	LCS dup	4/5/2018	Organic	2-Chlorophenol	n/a	=	18.5	µg/L	EPA 625	0.28	1			
2017/18-4	Lab	LCS dup, rec	4/5/2018	Organic	2-Chlorophenol	n/a	=	74	%	EPA 625	-88	-88	23	134	
2017/18-4	Lab	LCS, RPD	4/5/2018	Organic	2-Chlorophenol	n/a	=	4	%	EPA 625	-88	-88	0	30	
2017/18-4	Lab	method blank	4/10/2018	Organic	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1			
2017/18-4	Lab	LCS	4/10/2018	Organic	2-Chlorophenol	n/a	=	5.66	µg/L	EPA 8270C	0.65	1			
2017/18-4	Lab	LCS, rec	4/10/2018	Organic	2-Chlorophenol	n/a	=	57	%	EPA 8270C	-88	-88	27	90	
2017/18-4	Lab	LCS dup	4/10/2018	Organic	2-Chlorophenol	n/a	=	6.37	µg/L	EPA 8270C	0.65	1			
2017/18-4	Lab	LCS dup, rec	4/10/2018	Organic	2-Chlorophenol	n/a	=	64	%	EPA 8270C	-88	-88	27	90	
2017/18-4	Lab	LCS, RPD	4/10/2018	Organic	2-Chlorophenol	n/a	=	12	%	EPA 8270C	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-4	Lab	srgt method blank	3/30/2018	Organic	2-Fluorobiphenyl	n/a	=	2.74	µg/L	EPA 8270C	-88	-88			
2017/18-4	Lab	srgt method blank, rec	3/30/2018	Organic	2-Fluorobiphenyl	n/a	=	55	%	EPA 8270C	-88	-88	51	139	
2017/18-4	Lab	srgt LCS	3/30/2018	Organic	2-Fluorobiphenyl	n/a	=	2.96	µg/L	EPA 8270C	-88	-88			
2017/18-4	Lab	srgt LCS, rec	3/30/2018	Organic	2-Fluorobiphenyl	n/a	=	59	%	EPA 8270C	-88	-88	51	139	
2017/18-4	Lab	srgt LCS dup	3/30/2018	Organic	2-Fluorobiphenyl	n/a	=	3.1	µg/L	EPA 8270C	-88	-88			
2017/18-4	Lab	srgt LCS dup, rec	3/30/2018	Organic	2-Fluorobiphenyl	n/a	=	62	%	EPA 8270C	-88	-88	51	139	
2017/18-4	Lab	srgt method blank	4/2/2018	Organic	2-Fluorobiphenyl	n/a	=	2.62	µg/L	EPA 8270C	-88	-88			
2017/18-4	Lab	srgt method blank, rec	4/2/2018	Organic	2-Fluorobiphenyl	n/a	=	52	%	EPA 8270C	-88	-88	51	139	
2017/18-4	Lab	srgt LCS	4/2/2018	Organic	2-Fluorobiphenyl	n/a	=	2.87	µg/L	EPA 8270C	-88	-88			
2017/18-4	Lab	srgt LCS, rec	4/2/2018	Organic	2-Fluorobiphenyl	n/a	=	57	%	EPA 8270C	-88	-88	51	139	
2017/18-4	Lab	srgt LCS dup	4/2/2018	Organic	2-Fluorobiphenyl	n/a	=	3	µg/L	EPA 8270C	-88	-88			
2017/18-4	Lab	srgt LCS dup, rec	4/2/2018	Organic	2-Fluorobiphenyl	n/a	=	60	%	EPA 8270C	-88	-88	51	139	
2017/18-4	Lab	srgt method blank	4/5/2018	Organic	2-Fluorobiphenyl	n/a	=	23.6	µg/L	EPA 625	-88	-88			
2017/18-4	Lab	srgt method blank, rec	4/5/2018	Organic	2-Fluorobiphenyl	n/a	=	94	%	EPA 625	-88	-88	22	107	
2017/18-4	Lab	srgt LCS	4/5/2018	Organic	2-Fluorobiphenyl	n/a	=	25.5	µg/L	EPA 625	-88	-88			
2017/18-4	Lab	srgt LCS, rec	4/5/2018	Organic	2-Fluorobiphenyl	n/a	=	102	%	EPA 625	-88	-88	22	107	
2017/18-4	Lab	srgt LCS dup	4/5/2018	Organic	2-Fluorobiphenyl	n/a	=	23.9	µg/L	EPA 625	-88	-88			
2017/18-4	Lab	srgt LCS dup, rec	4/5/2018	Organic	2-Fluorobiphenyl	n/a	=	96	%	EPA 625	-88	-88	22	107	
2017/18-4	MO-HUE	srgt environ	3/30/2018	Organic	2-Fluorobiphenyl	n/a	=	2.86	µg/L	EPA 8270C	-88	-88			
2017/18-4	MO-HUE	srgt environ, rec	3/30/2018	Organic	2-Fluorobiphenyl	n/a	=	57	%	EPA 8270C	-88	-88	51	139	
2017/18-4	MO-HUE	srgt environ	4/5/2018	Organic	2-Fluorobiphenyl	n/a	=	21.4	µg/L	EPA 625	-88	-88			
2017/18-4	MO-HUE	srgt environ, rec	4/5/2018	Organic	2-Fluorobiphenyl	n/a	=	86	%	EPA 625	-88	-88	22	107	
2017/18-4	Lab	srgt method blank	4/5/2018	Organic	2-Fluorophenol	n/a	=	30.9	µg/L	EPA 625	-88	-88			
2017/18-4	Lab	srgt method blank, rec	4/5/2018	Organic	2-Fluorophenol	n/a	=	62	%	EPA 625	-88	-88	3	74	
2017/18-4	Lab	srgt LCS	4/5/2018	Organic	2-Fluorophenol	n/a	=	30.3	µg/L	EPA 625	-88	-88			
2017/18-4	Lab	srgt LCS, rec	4/5/2018	Organic	2-Fluorophenol	n/a	=	61	%	EPA 625	-88	-88	3	74	
2017/18-4	Lab	srgt LCS dup	4/5/2018	Organic	2-Fluorophenol	n/a	=	28.8	µg/L	EPA 625	-88	-88			
2017/18-4	Lab	srgt LCS dup, rec	4/5/2018	Organic	2-Fluorophenol	n/a	=	58	%	EPA 625	-88	-88	3	74	
2017/18-4	Lab	srgt method blank	4/10/2018	Organic	2-Fluorophenol	n/a	=	2.59	µg/L	EPA 8270C	-88	-88			
2017/18-4	Lab	srgt method blank, rec	4/10/2018	Organic	2-Fluorophenol	n/a	=	26	%	EPA 8270C	-88	-88	11	62	
2017/18-4	Lab	srgt LCS	4/10/2018	Organic	2-Fluorophenol	n/a	=	2.91	µg/L	EPA 8270C	-88	-88			
2017/18-4	Lab	srgt LCS, rec	4/10/2018	Organic	2-Fluorophenol	n/a	=	29	%	EPA 8270C	-88	-88	11	62	
2017/18-4	Lab	srgt LCS dup	4/10/2018	Organic	2-Fluorophenol	n/a	=	3.58	µg/L	EPA 8270C	-88	-88			
2017/18-4	Lab	srgt LCS dup, rec	4/10/2018	Organic	2-Fluorophenol	n/a	=	36	%	EPA 8270C	-88	-88	11	62	
2017/18-4	MO-HUE	srgt environ	4/5/2018	Organic	2-Fluorophenol	n/a	=	27.7	µg/L	EPA 625	-88	-88			
2017/18-4	MO-HUE	srgt environ, rec	4/5/2018	Organic	2-Fluorophenol	n/a	=	55	%	EPA 625	-88	-88	3	74	
2017/18-4	MO-HUE	srgt environ	4/10/2018	Organic	2-Fluorophenol	n/a	=	3.13	µg/L	EPA 8270C	-88	-88			
2017/18-4	MO-HUE	srgt environ, rec	4/10/2018	Organic	2-Fluorophenol	n/a	=	31	%	EPA 8270C	-88	-88	11	62	
2017/18-4	Lab	method blank	3/30/2018	Organic	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-4	Lab	method blank	4/10/2018	Organic	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1			
2017/18-4	Lab	method blank	4/5/2018	Organic	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2017/18-4	Lab	LCS	4/5/2018	Organic	2-Nitrophenol	n/a	=	20.5	µg/L	EPA 625	0.26	1			
2017/18-4	Lab	LCS, rec	4/5/2018	Organic	2-Nitrophenol	n/a	=	82	%	EPA 625	-88	-88	29	182	
2017/18-4	Lab	LCS dup	4/5/2018	Organic	2-Nitrophenol	n/a	=	19.5	µg/L	EPA 625	0.26	1			
2017/18-4	Lab	LCS dup, rec	4/5/2018	Organic	2-Nitrophenol	n/a	=	78	%	EPA 625	-88	-88	29	182	
2017/18-4	Lab	LCS, RPD	4/5/2018	Organic	2-Nitrophenol	n/a	=	5	%	EPA 625	-88	-88	0	30	
2017/18-4	Lab	method blank	4/10/2018	Organic	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-4	Lab	LCS	4/10/2018	Organic	2-Nitrophenol	n/a	=	6.35	µg/L	EPA 8270C	0.71	1			
2017/18-4	Lab	LCS, rec	4/10/2018	Organic	2-Nitrophenol	n/a	=	63	%	EPA 8270C	-88	-88	33	103	
2017/18-4	Lab	LCS dup	4/10/2018	Organic	2-Nitrophenol	n/a	=	7.1	µg/L	EPA 8270C	0.71	1			
2017/18-4	Lab	LCS dup, rec	4/10/2018	Organic	2-Nitrophenol	n/a	=	71	%	EPA 8270C	-88	-88	33	103	
2017/18-4	Lab	LCS, RPD	4/10/2018	Organic	2-Nitrophenol	n/a	=	11	%	EPA 8270C	-88	-88	0	30	
2017/18-4	Lab	method blank	4/5/2018	Organic	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5			
2017/18-4	Lab	LCS	4/5/2018	Organic	3,3'-Dichlorobenzidine	n/a	=	18.4	µg/L	EPA 625	1.2	5			
2017/18-4	Lab	LCS, rec	4/5/2018	Organic	3,3'-Dichlorobenzidine	n/a	=	73	%	EPA 625	-88	-88	0.1	262	
2017/18-4	Lab	LCS dup	4/5/2018	Organic	3,3'-Dichlorobenzidine	n/a	=	15.8	µg/L	EPA 625	1.2	5			
2017/18-4	Lab	LCS dup, rec	4/5/2018	Organic	3,3'-Dichlorobenzidine	n/a	=	63	%	EPA 625	-88	-88	0.1	262	
2017/18-4	Lab	LCS, RPD	4/5/2018	Organic	3,3'-Dichlorobenzidine	n/a	=	15	%	EPA 625	-88	-88	0	30	
2017/18-4	Lab	method blank	4/10/2018	Organic	3-4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1			
2017/18-4	Lab	method blank	4/5/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5			
2017/18-4	Lab	LCS	4/5/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	=	20.8	µg/L	EPA 625	1.7	5			
2017/18-4	Lab	LCS, rec	4/5/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	=	83	%	EPA 625	-88	-88	0.1	181	
2017/18-4	Lab	LCS dup	4/5/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	=	21.8	µg/L	EPA 625	1.7	5			
2017/18-4	Lab	LCS dup, rec	4/5/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	=	87	%	EPA 625	-88	-88	0.1	181	
2017/18-4	Lab	LCS, RPD	4/5/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	=	5	%	EPA 625	-88	-88	0	30	
2017/18-4	Lab	method blank	4/10/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1			
2017/18-4	Lab	LCS	4/10/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	=	5.98	µg/L	EPA 8270C	0.14	1			
2017/18-4	Lab	LCS, rec	4/10/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	=	60	%	EPA 8270C	-88	-88	33	118	
2017/18-4	Lab	LCS dup	4/10/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	=	6.18	µg/L	EPA 8270C	0.14	1			
2017/18-4	Lab	LCS dup, rec	4/10/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	=	62	%	EPA 8270C	-88	-88	33	118	
2017/18-4	Lab	LCS, RPD	4/10/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	=	3	%	EPA 8270C	-88	-88	0	30	
2017/18-4	000NONPJ	srgt matrix spike	3/23/2018	Organic	4-Bromofluorobenzene	n/a	=	47.9	µg/L	EPA 8015D	-88	-88			
2017/18-4	000NONPJ	srgt matrix spike, rec	3/23/2018	Organic	4-Bromofluorobenzene	n/a	=	96	%	EPA 8015D	-88	-88	72	124	
2017/18-4	000NONPJ	srgt matrix spike dup	3/23/2018	Organic	4-Bromofluorobenzene	n/a	=	45.8	µg/L	EPA 8015D	-88	-88			
2017/18-4	000NONPJ	srgt matrix spike dup, rec	3/23/2018	Organic	4-Bromofluorobenzene	n/a	=	92	%	EPA 8015D	-88	-88	72	124	
2017/18-4	Lab	srgt LCS	3/23/2018	Organic	4-Bromofluorobenzene	n/a	=	51.1	µg/L	EPA 624	-88	-88			
2017/18-4	Lab	srgt LCS, rec	3/23/2018	Organic	4-Bromofluorobenzene	n/a	=	102	%	EPA 624	-88	-88	88	108	
2017/18-4	Lab	srgt LCS dup	3/23/2018	Organic	4-Bromofluorobenzene	n/a	=	51.2	µg/L	EPA 624	-88	-88			
2017/18-4	Lab	srgt LCS dup, rec	3/23/2018	Organic	4-Bromofluorobenzene	n/a	=	102	%	EPA 624	-88	-88	88	108	
2017/18-4	Lab	srgt method blank	3/23/2018	Organic	4-Bromofluorobenzene	n/a	=	50.7	µg/L	EPA 624	-88	-88			
2017/18-4	Lab	srgt method blank, rec	3/23/2018	Organic	4-Bromofluorobenzene	n/a	=	101	%	EPA 624	-88	-88	88	108	
2017/18-4	Lab	srgt LCS	3/23/2018	Organic	4-Bromofluorobenzene	n/a	=	49.7	µg/L	EPA 8015D	-88	-88			
2017/18-4	Lab	srgt LCS, rec	3/23/2018	Organic	4-Bromofluorobenzene	n/a	=	99	%	EPA 8015D	-88	-88	72	124	
2017/18-4	Lab	srgt method blank	3/23/2018	Organic	4-Bromofluorobenzene	n/a	=	44.4	µg/L	EPA 8015D	-88	-88			
2017/18-4	Lab	srgt method blank, rec	3/23/2018	Organic	4-Bromofluorobenzene	n/a	=	89	%	EPA 8015D	-88	-88	72	124	
2017/18-4	MO-HUE	srgt environ	3/23/2018	Organic	4-Bromofluorobenzene	n/a	=	50.5	µg/L	EPA 624	-88	-88			
2017/18-4	MO-HUE	srgt environ, rec	3/23/2018	Organic	4-Bromofluorobenzene	n/a	=	101	%	EPA 624	-88	-88	88	108	
2017/18-4	MO-HUE	srgt field duplicate	3/23/2018	Organic	4-Bromofluorobenzene	n/a	=	51	µg/L	EPA 624	-88	-88			
2017/18-4	MO-HUE	srgt field duplicate, rec	3/23/2018	Organic	4-Bromofluorobenzene	n/a	=	102	%	EPA 624	-88	-88	88	108	
2017/18-4	MO-HUE	srgt matrix spike	3/23/2018	Organic	4-Bromofluorobenzene	n/a	=	51.6	µg/L	EPA 624	-88	-88			
2017/18-4	MO-HUE	srgt matrix spike, rec	3/23/2018	Organic	4-Bromofluorobenzene	n/a	=	103	%	EPA 624	-88	-88	88	108	
2017/18-4	MO-HUE	srgt matrix spike dup	3/23/2018	Organic	4-Bromofluorobenzene	n/a	=	51	µg/L	EPA 624	-88	-88			
2017/18-4	MO-HUE	srgt matrix spike dup, rec	3/23/2018	Organic	4-Bromofluorobenzene	n/a	=	102	%	EPA 624	-88	-88	88	108	
2017/18-4	MO-HUE	srgt environ	3/23/2018	Organic	4-Bromofluorobenzene	n/a	=	45.7	µg/L	EPA 8015D	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-4	MO-HUE	srgt environ, rec	3/23/2018	Organic	4-Bromofluorobenzene	n/a	=	91	%	EPA 8015D	-88	-88	72	124	
2017/18-4	MO-HUE	srgt field duplicate	3/23/2018	Organic	4-Bromofluorobenzene	n/a	=	45.2	µg/L	EPA 8015D	-88	-88			
2017/18-4	MO-HUE	srgt field duplicate, rec	3/23/2018	Organic	4-Bromofluorobenzene	n/a	=	90	%	EPA 8015D	-88	-88	72	124	
2017/18-4	Lab	method blank	4/5/2018	Organic	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2017/18-4	Lab	LCS	4/5/2018	Organic	4-Bromophenyl phenyl ether	n/a	=	19.8	µg/L	EPA 625	0.36	1			
2017/18-4	Lab	LCS, rec	4/5/2018	Organic	4-Bromophenyl phenyl ether	n/a	=	79	%	EPA 625	-88	-88	53	127	
2017/18-4	Lab	LCS dup	4/5/2018	Organic	4-Bromophenyl phenyl ether	n/a	=	20	µg/L	EPA 625	0.36	1			
2017/18-4	Lab	LCS dup, rec	4/5/2018	Organic	4-Bromophenyl phenyl ether	n/a	=	80	%	EPA 625	-88	-88	53	127	
2017/18-4	Lab	LCS, RPD	4/5/2018	Organic	4-Bromophenyl phenyl ether	n/a	=	1	%	EPA 625	-88	-88	0	30	
2017/18-4	Lab	method blank	4/5/2018	Organic	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1			
2017/18-4	Lab	LCS	4/5/2018	Organic	4-Chloro-3-methylphenol	n/a	=	22.4	µg/L	EPA 625	0.23	1			
2017/18-4	Lab	LCS, rec	4/5/2018	Organic	4-Chloro-3-methylphenol	n/a	=	90	%	EPA 625	-88	-88	22	147	
2017/18-4	Lab	LCS dup	4/5/2018	Organic	4-Chloro-3-methylphenol	n/a	=	22	µg/L	EPA 625	0.23	1			
2017/18-4	Lab	LCS dup, rec	4/5/2018	Organic	4-Chloro-3-methylphenol	n/a	=	88	%	EPA 625	-88	-88	22	147	
2017/18-4	Lab	LCS, RPD	4/5/2018	Organic	4-Chloro-3-methylphenol	n/a	=	2	%	EPA 625	-88	-88	0	30	
2017/18-4	Lab	method blank	4/10/2018	Organic	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1			
2017/18-4	Lab	LCS	4/10/2018	Organic	4-Chloro-3-methylphenol	n/a	=	5.86	µg/L	EPA 8270C	0.37	1			
2017/18-4	Lab	LCS, rec	4/10/2018	Organic	4-Chloro-3-methylphenol	n/a	=	59	%	EPA 8270C	-88	-88	29	108	
2017/18-4	Lab	LCS dup	4/10/2018	Organic	4-Chloro-3-methylphenol	n/a	=	6.55	µg/L	EPA 8270C	0.37	1			
2017/18-4	Lab	LCS dup, rec	4/10/2018	Organic	4-Chloro-3-methylphenol	n/a	=	66	%	EPA 8270C	-88	-88	29	108	
2017/18-4	Lab	LCS, RPD	4/10/2018	Organic	4-Chloro-3-methylphenol	n/a	=	11	%	EPA 8270C	-88	-88	0	30	
2017/18-4	Lab	method blank	4/5/2018	Organic	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1			
2017/18-4	Lab	LCS	4/5/2018	Organic	4-Chlorophenyl phenyl ether	n/a	=	20.6	µg/L	EPA 625	0.41	1			
2017/18-4	Lab	LCS, rec	4/5/2018	Organic	4-Chlorophenyl phenyl ether	n/a	=	83	%	EPA 625	-88	-88	25	158	
2017/18-4	Lab	LCS dup	4/5/2018	Organic	4-Chlorophenyl phenyl ether	n/a	=	20.1	µg/L	EPA 625	0.41	1			
2017/18-4	Lab	LCS dup, rec	4/5/2018	Organic	4-Chlorophenyl phenyl ether	n/a	=	80	%	EPA 625	-88	-88	25	158	
2017/18-4	Lab	LCS, RPD	4/5/2018	Organic	4-Chlorophenyl phenyl ether	n/a	=	3	%	EPA 625	-88	-88	0	30	
2017/18-4	Lab	method blank	4/5/2018	Organic	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5			
2017/18-4	Lab	LCS	4/5/2018	Organic	4-Nitrophenol	n/a	=	7.05	µg/L	EPA 625	0.45	5			
2017/18-4	Lab	LCS, rec	4/5/2018	Organic	4-Nitrophenol	n/a	=	28	%	EPA 625	-88	-88	0.1	132	
2017/18-4	Lab	LCS dup	4/5/2018	Organic	4-Nitrophenol	n/a	=	7.75	µg/L	EPA 625	0.45	5			
2017/18-4	Lab	LCS dup, rec	4/5/2018	Organic	4-Nitrophenol	n/a	=	31	%	EPA 625	-88	-88	0.1	132	
2017/18-4	Lab	LCS, RPD	4/5/2018	Organic	4-Nitrophenol	n/a	=	9	%	EPA 625	-88	-88	0	30	
2017/18-4	Lab	method blank	4/10/2018	Organic	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2			
2017/18-4	Lab	LCS	4/10/2018	Organic	4-Nitrophenol	n/a	=	2.42	µg/L	EPA 8270C	1	2			
2017/18-4	Lab	LCS, rec	4/10/2018	Organic	4-Nitrophenol	n/a	=	24	%	EPA 8270C	-88	-88	6	46	
2017/18-4	Lab	LCS dup	4/10/2018	Organic	4-Nitrophenol	n/a	=	2.49	µg/L	EPA 8270C	1	2			
2017/18-4	Lab	LCS dup, rec	4/10/2018	Organic	4-Nitrophenol	n/a	=	25	%	EPA 8270C	-88	-88	6	46	
2017/18-4	Lab	LCS, RPD	4/10/2018	Organic	4-Nitrophenol	n/a	=	3	%	EPA 8270C	-88	-88	0	30	
2017/18-4	Lab	method blank	3/30/2018	Organic	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-4	Lab	LCS	3/30/2018	Organic	Acenaphthene	n/a	=	7.27	µg/L	EPA 8270C	0.1	0.1			
2017/18-4	Lab	LCS, rec	3/30/2018	Organic	Acenaphthene	n/a	=	73	%	EPA 8270C	-88	-88	11	122	
2017/18-4	Lab	LCS dup	3/30/2018	Organic	Acenaphthene	n/a	=	7.41	µg/L	EPA 8270C	0.1	0.1			
2017/18-4	Lab	LCS dup, rec	3/30/2018	Organic	Acenaphthene	n/a	=	74	%	EPA 8270C	-88	-88	11	122	
2017/18-4	Lab	LCS, RPD	3/30/2018	Organic	Acenaphthene	n/a	=	2	%	EPA 8270C	-88	-88	0	30	
2017/18-4	Lab	method blank	4/5/2018	Organic	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2017/18-4	Lab	LCS	4/5/2018	Organic	Acenaphthene	n/a	=	22.5	µg/L	EPA 625	0.38	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-4	Lab	LCS, rec	4/5/2018	Organic	Acenaphthene	n/a	=	90	%	EPA 625	-88	-88	47	145	
2017/18-4	Lab	LCS dup	4/5/2018	Organic	Acenaphthene	n/a	=	21.2	µg/L	EPA 625	0.38	1			
2017/18-4	Lab	LCS dup, rec	4/5/2018	Organic	Acenaphthene	n/a	=	85	%	EPA 625	-88	-88	47	145	
2017/18-4	Lab	LCS, RPD	4/5/2018	Organic	Acenaphthene	n/a	=	6	%	EPA 625	-88	-88	0	30	
2017/18-4	Lab	method blank	3/30/2018	Organic	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-4	Lab	LCS	3/30/2018	Organic	Acenaphthylene	n/a	=	7.06	µg/L	EPA 8270C	0.1	0.1			
2017/18-4	Lab	LCS, rec	3/30/2018	Organic	Acenaphthylene	n/a	=	71	%	EPA 8270C	-88	-88	4	135	
2017/18-4	Lab	LCS dup	3/30/2018	Organic	Acenaphthylene	n/a	=	7.25	µg/L	EPA 8270C	0.1	0.1			
2017/18-4	Lab	LCS dup, rec	3/30/2018	Organic	Acenaphthylene	n/a	=	72	%	EPA 8270C	-88	-88	4	135	
2017/18-4	Lab	LCS, RPD	3/30/2018	Organic	Acenaphthylene	n/a	=	3	%	EPA 8270C	-88	-88	0	30	
2017/18-4	Lab	method blank	4/5/2018	Organic	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1			
2017/18-4	Lab	LCS	4/5/2018	Organic	Acenaphthylene	n/a	=	24.4	µg/L	EPA 625	0.4	1			
2017/18-4	Lab	LCS, rec	4/5/2018	Organic	Acenaphthylene	n/a	=	97	%	EPA 625	-88	-88	33	145	
2017/18-4	Lab	LCS dup	4/5/2018	Organic	Acenaphthylene	n/a	=	24	µg/L	EPA 625	0.4	1			
2017/18-4	Lab	LCS dup, rec	4/5/2018	Organic	Acenaphthylene	n/a	=	96	%	EPA 625	-88	-88	33	145	
2017/18-4	Lab	LCS, RPD	4/5/2018	Organic	Acenaphthylene	n/a	=	1	%	EPA 625	-88	-88	0	30	
2017/18-4	Lab	method blank	3/30/2018	Organic	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-4	Lab	LCS	3/30/2018	Organic	Anthracene	n/a	=	7.49	µg/L	EPA 8270C	0.1	0.1			
2017/18-4	Lab	LCS, rec	3/30/2018	Organic	Anthracene	n/a	=	75	%	EPA 8270C	-88	-88	22	127	
2017/18-4	Lab	LCS dup	3/30/2018	Organic	Anthracene	n/a	=	7.53	µg/L	EPA 8270C	0.1	0.1			
2017/18-4	Lab	LCS dup, rec	3/30/2018	Organic	Anthracene	n/a	=	75	%	EPA 8270C	-88	-88	22	127	
2017/18-4	Lab	LCS, RPD	3/30/2018	Organic	Anthracene	n/a	=	0.6	%	EPA 8270C	-88	-88	0	30	
2017/18-4	Lab	method blank	4/5/2018	Organic	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1			
2017/18-4	Lab	LCS	4/5/2018	Organic	Anthracene	n/a	=	24.2	µg/L	EPA 625	0.34	1			
2017/18-4	Lab	LCS, rec	4/5/2018	Organic	Anthracene	n/a	=	97	%	EPA 625	-88	-88	27	133	
2017/18-4	Lab	LCS dup	4/5/2018	Organic	Anthracene	n/a	=	24.6	µg/L	EPA 625	0.34	1			
2017/18-4	Lab	LCS dup, rec	4/5/2018	Organic	Anthracene	n/a	=	98	%	EPA 625	-88	-88	27	133	
2017/18-4	Lab	LCS, RPD	4/5/2018	Organic	Anthracene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2017/18-4	Lab	method blank	3/30/2018	Organic	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-4	Lab	LCS	3/30/2018	Organic	Benz(a)anthracene	n/a	=	8.21	µg/L	EPA 8270C	0.1	0.1			
2017/18-4	Lab	LCS, rec	3/30/2018	Organic	Benz(a)anthracene	n/a	=	82	%	EPA 8270C	-88	-88	17	131	
2017/18-4	Lab	LCS dup	3/30/2018	Organic	Benz(a)anthracene	n/a	=	8.22	µg/L	EPA 8270C	0.1	0.1			
2017/18-4	Lab	LCS dup, rec	3/30/2018	Organic	Benz(a)anthracene	n/a	=	82	%	EPA 8270C	-88	-88	17	131	
2017/18-4	Lab	LCS, RPD	3/30/2018	Organic	Benz(a)anthracene	n/a	=	0.07	%	EPA 8270C	-88	-88	0	30	
2017/18-4	Lab	method blank	4/5/2018	Organic	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2017/18-4	Lab	LCS	4/5/2018	Organic	Benz(a)anthracene	n/a	=	18.9	µg/L	EPA 625	0.19	1			
2017/18-4	Lab	LCS, rec	4/5/2018	Organic	Benz(a)anthracene	n/a	=	76	%	EPA 625	-88	-88	33	143	
2017/18-4	Lab	LCS dup	4/5/2018	Organic	Benz(a)anthracene	n/a	=	16.3	µg/L	EPA 625	0.19	1			
2017/18-4	Lab	LCS dup, rec	4/5/2018	Organic	Benz(a)anthracene	n/a	=	65	%	EPA 625	-88	-88	33	143	
2017/18-4	Lab	LCS, RPD	4/5/2018	Organic	Benz(a)anthracene	n/a	=	14	%	EPA 625	-88	-88	0	30	
2017/18-4	Lab	method blank	4/5/2018	Organic	Benzydine	n/a	<	3.7	µg/L	EPA 625	3.7	10			
2017/18-4	Lab	method blank	3/30/2018	Organic	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-4	Lab	LCS	3/30/2018	Organic	Benzo(a)pyrene	n/a	=	7.47	µg/L	EPA 8270C	0.1	0.1			
2017/18-4	Lab	LCS, rec	3/30/2018	Organic	Benzo(a)pyrene	n/a	=	75	%	EPA 8270C	-88	-88	12	131	
2017/18-4	Lab	LCS dup	3/30/2018	Organic	Benzo(a)pyrene	n/a	=	7.28	µg/L	EPA 8270C	0.1	0.1			
2017/18-4	Lab	LCS dup, rec	3/30/2018	Organic	Benzo(a)pyrene	n/a	=	73	%	EPA 8270C	-88	-88	12	131	
2017/18-4	Lab	LCS, RPD	3/30/2018	Organic	Benzo(a)pyrene	n/a	=	3	%	EPA 8270C	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-4	Lab	method blank	4/4/2018	Organic	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1			
2017/18-4	Lab	LCS	4/4/2018	Organic	Benzo(a)pyrene	n/a	=	5.49	µg/L	EPA 525.2	0.07	0.1			
2017/18-4	Lab	LCS, rec	4/4/2018	Organic	Benzo(a)pyrene	n/a	=	110	%	EPA 525.2	-88	-88	60	130	
2017/18-4	Lab	LCS dup	4/4/2018	Organic	Benzo(a)pyrene	n/a	=	5.84	µg/L	EPA 525.2	0.07	0.1			
2017/18-4	Lab	LCS dup, rec	4/4/2018	Organic	Benzo(a)pyrene	n/a	=	117	%	EPA 525.2	-88	-88	60	130	
2017/18-4	Lab	LCS, RPD	4/4/2018	Organic	Benzo(a)pyrene	n/a	=	6	%	EPA 525.2	-88	-88	0	30	
2017/18-4	Lab	method blank	4/5/2018	Organic	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1			
2017/18-4	Lab	LCS	4/5/2018	Organic	Benzo(a)pyrene	n/a	=	19.6	µg/L	EPA 625	0.13	1			
2017/18-4	Lab	LCS, rec	4/5/2018	Organic	Benzo(a)pyrene	n/a	=	79	%	EPA 625	-88	-88	17	163	
2017/18-4	Lab	LCS dup	4/5/2018	Organic	Benzo(a)pyrene	n/a	=	19.3	µg/L	EPA 625	0.13	1			
2017/18-4	Lab	LCS dup, rec	4/5/2018	Organic	Benzo(a)pyrene	n/a	=	77	%	EPA 625	-88	-88	17	163	
2017/18-4	Lab	LCS, RPD	4/5/2018	Organic	Benzo(a)pyrene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2017/18-4	Lab	method blank	3/30/2018	Organic	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-4	Lab	LCS	3/30/2018	Organic	Benzo(b)fluoranthene	n/a	=	8.22	µg/L	EPA 8270C	0.1	0.1			
2017/18-4	Lab	LCS, rec	3/30/2018	Organic	Benzo(b)fluoranthene	n/a	=	82	%	EPA 8270C	-88	-88	19	129	
2017/18-4	Lab	LCS dup	3/30/2018	Organic	Benzo(b)fluoranthene	n/a	=	8.04	µg/L	EPA 8270C	0.1	0.1			
2017/18-4	Lab	LCS dup, rec	3/30/2018	Organic	Benzo(b)fluoranthene	n/a	=	80	%	EPA 8270C	-88	-88	19	129	
2017/18-4	Lab	LCS, RPD	3/30/2018	Organic	Benzo(b)fluoranthene	n/a	=	2	%	EPA 8270C	-88	-88	0	30	
2017/18-4	Lab	method blank	4/5/2018	Organic	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1			
2017/18-4	Lab	LCS	4/5/2018	Organic	Benzo(b)fluoranthene	n/a	=	20.7	µg/L	EPA 625	0.14	1			
2017/18-4	Lab	LCS, rec	4/5/2018	Organic	Benzo(b)fluoranthene	n/a	=	83	%	EPA 625	-88	-88	24	159	
2017/18-4	Lab	LCS dup	4/5/2018	Organic	Benzo(b)fluoranthene	n/a	=	20	µg/L	EPA 625	0.14	1			
2017/18-4	Lab	LCS dup, rec	4/5/2018	Organic	Benzo(b)fluoranthene	n/a	=	80	%	EPA 625	-88	-88	24	159	
2017/18-4	Lab	LCS, RPD	4/5/2018	Organic	Benzo(b)fluoranthene	n/a	=	3	%	EPA 625	-88	-88	0	30	
2017/18-4	Lab	method blank	3/30/2018	Organic	Benzo(e)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-4	Lab	method blank	3/30/2018	Organic	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-4	Lab	LCS	3/30/2018	Organic	Benzo(g,h,i)perylene	n/a	=	11.4	µg/L	EPA 8270C	0.1	0.1			
2017/18-4	Lab	LCS, rec	3/30/2018	Organic	Benzo(g,h,i)perylene	n/a	=	114	%	EPA 8270C	-88	-88	14	139	
2017/18-4	Lab	LCS dup	3/30/2018	Organic	Benzo(g,h,i)perylene	n/a	=	11.8	µg/L	EPA 8270C	0.1	0.1			
2017/18-4	Lab	LCS dup, rec	3/30/2018	Organic	Benzo(g,h,i)perylene	n/a	=	118	%	EPA 8270C	-88	-88	14	139	
2017/18-4	Lab	LCS, RPD	3/30/2018	Organic	Benzo(g,h,i)perylene	n/a	=	3	%	EPA 8270C	-88	-88	0	30	
2017/18-4	Lab	method blank	4/2/2018	Organic	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-4	Lab	LCS	4/2/2018	Organic	Benzo(g,h,i)perylene	n/a	=	10.4	µg/L	EPA 8270C	0.1	0.1			
2017/18-4	Lab	LCS, rec	4/2/2018	Organic	Benzo(g,h,i)perylene	n/a	=	104	%	EPA 8270C	-88	-88	14	139	
2017/18-4	Lab	LCS dup	4/2/2018	Organic	Benzo(g,h,i)perylene	n/a	=	11.5	µg/L	EPA 8270C	0.1	0.1			
2017/18-4	Lab	LCS dup, rec	4/2/2018	Organic	Benzo(g,h,i)perylene	n/a	=	115	%	EPA 8270C	-88	-88	14	139	
2017/18-4	Lab	LCS, RPD	4/2/2018	Organic	Benzo(g,h,i)perylene	n/a	=	10	%	EPA 8270C	-88	-88	0	30	
2017/18-4	Lab	method blank	4/5/2018	Organic	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2			
2017/18-4	Lab	LCS	4/5/2018	Organic	Benzo(g,h,i)perylene	n/a	=	17.7	µg/L	EPA 625	0.1	2			
2017/18-4	Lab	LCS, rec	4/5/2018	Organic	Benzo(g,h,i)perylene	n/a	=	71	%	EPA 625	-88	-88	0.1	219	
2017/18-4	Lab	LCS dup	4/5/2018	Organic	Benzo(g,h,i)perylene	n/a	=	18.1	µg/L	EPA 625	0.1	2			
2017/18-4	Lab	LCS dup, rec	4/5/2018	Organic	Benzo(g,h,i)perylene	n/a	=	73	%	EPA 625	-88	-88	0.1	219	
2017/18-4	Lab	LCS, RPD	4/5/2018	Organic	Benzo(g,h,i)perylene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2017/18-4	Lab	method blank	3/30/2018	Organic	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-4	Lab	LCS	3/30/2018	Organic	Benzo(k)fluoranthene	n/a	=	7.6	µg/L	EPA 8270C	0.1	0.1			
2017/18-4	Lab	LCS, rec	3/30/2018	Organic	Benzo(k)fluoranthene	n/a	=	76	%	EPA 8270C	-88	-88	22	127	
2017/18-4	Lab	LCS dup	3/30/2018	Organic	Benzo(k)fluoranthene	n/a	=	7.45	µg/L	EPA 8270C	0.1	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-4	Lab	LCS dup, rec	3/30/2018	Organic	Benzo(k)fluoranthene	n/a	=	75	%	EPA 8270C	-88	-88	22	127	
2017/18-4	Lab	LCS, RPD	3/30/2018	Organic	Benzo(k)fluoranthene	n/a	=	2	%	EPA 8270C	-88	-88	0	30	
2017/18-4	Lab	method blank	4/5/2018	Organic	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2017/18-4	Lab	LCS	4/5/2018	Organic	Benzo(k)fluoranthene	n/a	=	21.9	µg/L	EPA 625	0.22	1			
2017/18-4	Lab	LCS, rec	4/5/2018	Organic	Benzo(k)fluoranthene	n/a	=	88	%	EPA 625	-88	-88	11	162	
2017/18-4	Lab	LCS dup	4/5/2018	Organic	Benzo(k)fluoranthene	n/a	=	21.9	µg/L	EPA 625	0.22	1			
2017/18-4	Lab	LCS dup, rec	4/5/2018	Organic	Benzo(k)fluoranthene	n/a	=	88	%	EPA 625	-88	-88	11	162	
2017/18-4	Lab	LCS, RPD	4/5/2018	Organic	Benzo(k)fluoranthene	n/a	=	0.06	%	EPA 625	-88	-88	0	30	
2017/18-4	Lab	method blank	3/30/2018	Organic	Biphenyl	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-4	Lab	method blank	4/5/2018	Organic	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2017/18-4	Lab	LCS	4/5/2018	Organic	Bis(2-chloroethoxy)methane	n/a	=	20.8	µg/L	EPA 625	0.25	1			
2017/18-4	Lab	LCS, rec	4/5/2018	Organic	Bis(2-chloroethoxy)methane	n/a	=	83	%	EPA 625	-88	-88	33	184	
2017/18-4	Lab	LCS dup	4/5/2018	Organic	Bis(2-chloroethoxy)methane	n/a	=	20.1	µg/L	EPA 625	0.25	1			
2017/18-4	Lab	LCS dup, rec	4/5/2018	Organic	Bis(2-chloroethoxy)methane	n/a	=	80	%	EPA 625	-88	-88	33	184	
2017/18-4	Lab	LCS, RPD	4/5/2018	Organic	Bis(2-chloroethoxy)methane	n/a	=	3	%	EPA 625	-88	-88	0	30	
2017/18-4	Lab	method blank	4/5/2018	Organic	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2017/18-4	Lab	LCS	4/5/2018	Organic	Bis(2-chloroethyl)ether	n/a	=	22.4	µg/L	EPA 625	0.27	1			
2017/18-4	Lab	LCS, rec	4/5/2018	Organic	Bis(2-chloroethyl)ether	n/a	=	90	%	EPA 625	-88	-88	12	158	
2017/18-4	Lab	LCS dup	4/5/2018	Organic	Bis(2-chloroethyl)ether	n/a	=	21.5	µg/L	EPA 625	0.27	1			
2017/18-4	Lab	LCS dup, rec	4/5/2018	Organic	Bis(2-chloroethyl)ether	n/a	=	86	%	EPA 625	-88	-88	12	158	
2017/18-4	Lab	LCS, RPD	4/5/2018	Organic	Bis(2-chloroethyl)ether	n/a	=	4	%	EPA 625	-88	-88	0	30	
2017/18-4	Lab	method blank	4/5/2018	Organic	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2017/18-4	Lab	LCS	4/5/2018	Organic	Bis(2-chloroisopropyl)ether	n/a	=	26.3	µg/L	EPA 625	0.38	1			
2017/18-4	Lab	LCS, rec	4/5/2018	Organic	Bis(2-chloroisopropyl)ether	n/a	=	105	%	EPA 625	-88	-88	36	166	
2017/18-4	Lab	LCS dup	4/5/2018	Organic	Bis(2-chloroisopropyl)ether	n/a	=	25.3	µg/L	EPA 625	0.38	1			
2017/18-4	Lab	LCS dup, rec	4/5/2018	Organic	Bis(2-chloroisopropyl)ether	n/a	=	101	%	EPA 625	-88	-88	36	166	
2017/18-4	Lab	LCS, RPD	4/5/2018	Organic	Bis(2-chloroisopropyl)ether	n/a	=	4	%	EPA 625	-88	-88	0	30	
2017/18-4	Lab	method blank	4/4/2018	Organic	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5			
2017/18-4	Lab	LCS	4/4/2018	Organic	Bis(2-ethylhexyl)adipate	n/a	=	5.9	µg/L	EPA 525.2	0.1	5			
2017/18-4	Lab	LCS, rec	4/4/2018	Organic	Bis(2-ethylhexyl)adipate	n/a	=	118	%	EPA 525.2	-88	-88	70	130	
2017/18-4	Lab	LCS dup	4/4/2018	Organic	Bis(2-ethylhexyl)adipate	n/a	=	6.12	µg/L	EPA 525.2	0.1	5			
2017/18-4	Lab	LCS dup, rec	4/4/2018	Organic	Bis(2-ethylhexyl)adipate	n/a	=	122	%	EPA 525.2	-88	-88	70	130	
2017/18-4	Lab	LCS, RPD	4/4/2018	Organic	Bis(2-ethylhexyl)adipate	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2017/18-4	Lab	method blank	4/4/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3			
2017/18-4	Lab	LCS	4/4/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	6.15	µg/L	EPA 525.2	1.1	3			
2017/18-4	Lab	LCS, rec	4/4/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	123	%	EPA 525.2	-88	-88	70	130	
2017/18-4	Lab	LCS dup	4/4/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	6.44	µg/L	EPA 525.2	1.1	3			
2017/18-4	Lab	LCS dup, rec	4/4/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	129	%	EPA 525.2	-88	-88	70	130	
2017/18-4	Lab	LCS, RPD	4/4/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	5	%	EPA 525.2	-88	-88	0	30	
2017/18-4	Lab	method blank	4/5/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5			
2017/18-4	Lab	LCS	4/5/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	20.4	µg/L	EPA 625	2.3	5			
2017/18-4	Lab	LCS, rec	4/5/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	82	%	EPA 625	-88	-88	8	158	
2017/18-4	Lab	LCS dup	4/5/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	18.3	µg/L	EPA 625	2.3	5			
2017/18-4	Lab	LCS dup, rec	4/5/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	73	%	EPA 625	-88	-88	8	158	
2017/18-4	Lab	LCS, RPD	4/5/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	11	%	EPA 625	-88	-88	0	30	
2017/18-4	Lab	method blank	4/5/2018	Organic	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2017/18-4	Lab	LCS	4/5/2018	Organic	Butyl benzyl phthalate	n/a	=	22	µg/L	EPA 625	0.18	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-4	Lab	LCS, rec	4/5/2018	Organic	Butyl benzyl phthalate	n/a	=	88	%	EPA 625	-88	-88	0.1	152	
2017/18-4	Lab	LCS dup	4/5/2018	Organic	Butyl benzyl phthalate	n/a	=	19	µg/L	EPA 625	0.18	1			
2017/18-4	Lab	LCS dup, rec	4/5/2018	Organic	Butyl benzyl phthalate	n/a	=	76	%	EPA 625	-88	-88	0.1	152	
2017/18-4	Lab	LCS, RPD	4/5/2018	Organic	Butyl benzyl phthalate	n/a	=	15	%	EPA 625	-88	-88	0	30	
2017/18-4	Lab	method blank	3/30/2018	Organic	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-4	Lab	LCS	3/30/2018	Organic	Chrysene	n/a	=	7.94	µg/L	EPA 8270C	0.1	0.1			
2017/18-4	Lab	LCS, rec	3/30/2018	Organic	Chrysene	n/a	=	79	%	EPA 8270C	-88	-88	32	126	
2017/18-4	Lab	LCS dup	3/30/2018	Organic	Chrysene	n/a	=	7.92	µg/L	EPA 8270C	0.1	0.1			
2017/18-4	Lab	LCS dup, rec	3/30/2018	Organic	Chrysene	n/a	=	79	%	EPA 8270C	-88	-88	32	126	
2017/18-4	Lab	LCS, RPD	3/30/2018	Organic	Chrysene	n/a	=	0.2	%	EPA 8270C	-88	-88	0	30	
2017/18-4	Lab	method blank	4/5/2018	Organic	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2017/18-4	Lab	LCS	4/5/2018	Organic	Chrysene	n/a	=	24.7	µg/L	EPA 625	0.19	1			
2017/18-4	Lab	LCS, rec	4/5/2018	Organic	Chrysene	n/a	=	99	%	EPA 625	-88	-88	17	168	
2017/18-4	Lab	LCS dup	4/5/2018	Organic	Chrysene	n/a	=	24.7	µg/L	EPA 625	0.19	1			
2017/18-4	Lab	LCS dup, rec	4/5/2018	Organic	Chrysene	n/a	=	99	%	EPA 625	-88	-88	17	168	
2017/18-4	Lab	LCS, RPD	4/5/2018	Organic	Chrysene	n/a	=	0.2	%	EPA 625	-88	-88	0	30	
2017/18-4	Lab	method blank	3/30/2018	Organic	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-4	Lab	LCS	3/30/2018	Organic	Dibenz(a,h)anthracene	n/a	=	11.7	µg/L	EPA 8270C	0.1	0.1			
2017/18-4	Lab	LCS, rec	3/30/2018	Organic	Dibenz(a,h)anthracene	n/a	=	117	%	EPA 8270C	-88	-88	9	147	
2017/18-4	Lab	LCS dup	3/30/2018	Organic	Dibenz(a,h)anthracene	n/a	=	11.9	µg/L	EPA 8270C	0.1	0.1			
2017/18-4	Lab	LCS dup, rec	3/30/2018	Organic	Dibenz(a,h)anthracene	n/a	=	119	%	EPA 8270C	-88	-88	9	147	
2017/18-4	Lab	LCS, RPD	3/30/2018	Organic	Dibenz(a,h)anthracene	n/a	=	1	%	EPA 8270C	-88	-88	0	30	
2017/18-4	Lab	method blank	4/2/2018	Organic	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-4	Lab	LCS	4/2/2018	Organic	Dibenz(a,h)anthracene	n/a	=	10.2	µg/L	EPA 8270C	0.1	0.1			
2017/18-4	Lab	LCS, rec	4/2/2018	Organic	Dibenz(a,h)anthracene	n/a	=	102	%	EPA 8270C	-88	-88	9	147	
2017/18-4	Lab	LCS dup	4/2/2018	Organic	Dibenz(a,h)anthracene	n/a	=	11	µg/L	EPA 8270C	0.1	0.1			
2017/18-4	Lab	LCS dup, rec	4/2/2018	Organic	Dibenz(a,h)anthracene	n/a	=	110	%	EPA 8270C	-88	-88	9	147	
2017/18-4	Lab	LCS, RPD	4/2/2018	Organic	Dibenz(a,h)anthracene	n/a	=	7	%	EPA 8270C	-88	-88	0	30	
2017/18-4	Lab	method blank	4/5/2018	Organic	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2			
2017/18-4	Lab	LCS	4/5/2018	Organic	Dibenz(a,h)anthracene	n/a	=	18.5	µg/L	EPA 625	0.08	2			
2017/18-4	Lab	LCS, rec	4/5/2018	Organic	Dibenz(a,h)anthracene	n/a	=	74	%	EPA 625	-88	-88	0.1	227	
2017/18-4	Lab	LCS dup	4/5/2018	Organic	Dibenz(a,h)anthracene	n/a	=	18.9	µg/L	EPA 625	0.08	2			
2017/18-4	Lab	LCS dup, rec	4/5/2018	Organic	Dibenz(a,h)anthracene	n/a	=	76	%	EPA 625	-88	-88	0.1	227	
2017/18-4	Lab	LCS, RPD	4/5/2018	Organic	Dibenz(a,h)anthracene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2017/18-4	Lab	method blank	4/5/2018	Organic	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1			
2017/18-4	Lab	LCS	4/5/2018	Organic	Diethyl phthalate	n/a	=	20.3	µg/L	EPA 625	0.15	1			
2017/18-4	Lab	LCS, rec	4/5/2018	Organic	Diethyl phthalate	n/a	=	81	%	EPA 625	-88	-88	0.1	114	
2017/18-4	Lab	LCS dup	4/5/2018	Organic	Diethyl phthalate	n/a	=	20.1	µg/L	EPA 625	0.15	1			
2017/18-4	Lab	LCS dup, rec	4/5/2018	Organic	Diethyl phthalate	n/a	=	81	%	EPA 625	-88	-88	0.1	114	
2017/18-4	Lab	LCS, RPD	4/5/2018	Organic	Diethyl phthalate	n/a	=	0.7	%	EPA 625	-88	-88	0	30	
2017/18-4	Lab	method blank	4/5/2018	Organic	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2017/18-4	Lab	LCS	4/5/2018	Organic	Dimethyl phthalate	n/a	=	22	µg/L	EPA 625	0.18	1			
2017/18-4	Lab	LCS, rec	4/5/2018	Organic	Dimethyl phthalate	n/a	=	88	%	EPA 625	-88	-88	0.1	112	
2017/18-4	Lab	LCS dup	4/5/2018	Organic	Dimethyl phthalate	n/a	=	22.1	µg/L	EPA 625	0.18	1			
2017/18-4	Lab	LCS dup, rec	4/5/2018	Organic	Dimethyl phthalate	n/a	=	88	%	EPA 625	-88	-88	0.1	112	
2017/18-4	Lab	LCS, RPD	4/5/2018	Organic	Dimethyl phthalate	n/a	=	0.5	%	EPA 625	-88	-88	0	30	
2017/18-4	Lab	method blank	4/5/2018	Organic	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-4	Lab	LCS	4/5/2018	Organic	Di-n-butylphthalate	n/a	=	26.2	µg/L	EPA 625	0.24	1			
2017/18-4	Lab	LCS, rec	4/5/2018	Organic	Di-n-butylphthalate	n/a	=	105	%	EPA 625	-88	-88	1	118	
2017/18-4	Lab	LCS dup	4/5/2018	Organic	Di-n-butylphthalate	n/a	=	24.5	µg/L	EPA 625	0.24	1			
2017/18-4	Lab	LCS dup, rec	4/5/2018	Organic	Di-n-butylphthalate	n/a	=	98	%	EPA 625	-88	-88	1	118	
2017/18-4	Lab	LCS, RPD	4/5/2018	Organic	Di-n-butylphthalate	n/a	=	7	%	EPA 625	-88	-88	0	30	
2017/18-4	Lab	method blank	4/5/2018	Organic	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2017/18-4	Lab	LCS	4/5/2018	Organic	Di-n-octylphthalate	n/a	=	22	µg/L	EPA 625	0.19	1			
2017/18-4	Lab	LCS, rec	4/5/2018	Organic	Di-n-octylphthalate	n/a	=	88	%	EPA 625	-88	-88	4	146	
2017/18-4	Lab	LCS dup	4/5/2018	Organic	Di-n-octylphthalate	n/a	=	21	µg/L	EPA 625	0.19	1			
2017/18-4	Lab	LCS dup, rec	4/5/2018	Organic	Di-n-octylphthalate	n/a	=	84	%	EPA 625	-88	-88	4	146	
2017/18-4	Lab	LCS, RPD	4/5/2018	Organic	Di-n-octylphthalate	n/a	=	5	%	EPA 625	-88	-88	0	30	
2017/18-4	Lab	method blank	3/30/2018	Organic	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-4	Lab	LCS	3/30/2018	Organic	Fluoranthene	n/a	=	7.93	µg/L	EPA 8270C	0.1	0.1			
2017/18-4	Lab	LCS, rec	3/30/2018	Organic	Fluoranthene	n/a	=	79	%	EPA 8270C	-88	-88	22	131	
2017/18-4	Lab	LCS dup	3/30/2018	Organic	Fluoranthene	n/a	=	7.91	µg/L	EPA 8270C	0.1	0.1			
2017/18-4	Lab	LCS dup, rec	3/30/2018	Organic	Fluoranthene	n/a	=	79	%	EPA 8270C	-88	-88	22	131	
2017/18-4	Lab	LCS, RPD	3/30/2018	Organic	Fluoranthene	n/a	=	0.4	%	EPA 8270C	-88	-88	0	30	
2017/18-4	Lab	method blank	4/5/2018	Organic	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2017/18-4	Lab	LCS	4/5/2018	Organic	Fluoranthene	n/a	=	27.8	µg/L	EPA 625	0.22	1			
2017/18-4	Lab	LCS, rec	4/5/2018	Organic	Fluoranthene	n/a	=	111	%	EPA 625	-88	-88	26	137	
2017/18-4	Lab	LCS dup	4/5/2018	Organic	Fluoranthene	n/a	=	26.7	µg/L	EPA 625	0.22	1			
2017/18-4	Lab	LCS dup, rec	4/5/2018	Organic	Fluoranthene	n/a	=	107	%	EPA 625	-88	-88	26	137	
2017/18-4	Lab	LCS, RPD	4/5/2018	Organic	Fluoranthene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2017/18-4	Lab	method blank	3/30/2018	Organic	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-4	Lab	LCS	3/30/2018	Organic	Fluorene	n/a	=	7.12	µg/L	EPA 8270C	0.1	0.1			
2017/18-4	Lab	LCS, rec	3/30/2018	Organic	Fluorene	n/a	=	71	%	EPA 8270C	-88	-88	19	122	
2017/18-4	Lab	LCS dup	3/30/2018	Organic	Fluorene	n/a	=	7.24	µg/L	EPA 8270C	0.1	0.1			
2017/18-4	Lab	LCS dup, rec	3/30/2018	Organic	Fluorene	n/a	=	72	%	EPA 8270C	-88	-88	19	122	
2017/18-4	Lab	LCS, RPD	3/30/2018	Organic	Fluorene	n/a	=	2	%	EPA 8270C	-88	-88	0	30	
2017/18-4	Lab	method blank	4/5/2018	Organic	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1			
2017/18-4	Lab	LCS	4/5/2018	Organic	Fluorene	n/a	=	21.3	µg/L	EPA 625	0.35	1			
2017/18-4	Lab	LCS, rec	4/5/2018	Organic	Fluorene	n/a	=	85	%	EPA 625	-88	-88	59	121	
2017/18-4	Lab	LCS dup	4/5/2018	Organic	Fluorene	n/a	=	20.5	µg/L	EPA 625	0.35	1			
2017/18-4	Lab	LCS dup, rec	4/5/2018	Organic	Fluorene	n/a	=	82	%	EPA 625	-88	-88	59	121	
2017/18-4	Lab	LCS, RPD	4/5/2018	Organic	Fluorene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2017/18-4	Lab	method blank	4/5/2018	Organic	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1			
2017/18-4	Lab	LCS	4/5/2018	Organic	Hexachlorobenzene	n/a	=	18.8	µg/L	EPA 625	0.49	1			
2017/18-4	Lab	LCS, rec	4/5/2018	Organic	Hexachlorobenzene	n/a	=	75	%	EPA 625	-88	-88	0.1	152	
2017/18-4	Lab	LCS dup	4/5/2018	Organic	Hexachlorobenzene	n/a	=	19.4	µg/L	EPA 625	0.49	1			
2017/18-4	Lab	LCS dup, rec	4/5/2018	Organic	Hexachlorobenzene	n/a	=	77	%	EPA 625	-88	-88	0.1	152	
2017/18-4	Lab	LCS, RPD	4/5/2018	Organic	Hexachlorobenzene	n/a	=	3	%	EPA 625	-88	-88	0	30	
2017/18-4	Lab	method blank	4/5/2018	Organic	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1			
2017/18-4	Lab	LCS	4/5/2018	Organic	Hexachlorobutadiene	n/a	=	22.1	µg/L	EPA 625	0.47	1			
2017/18-4	Lab	LCS, rec	4/5/2018	Organic	Hexachlorobutadiene	n/a	=	89	%	EPA 625	-88	-88	24	116	
2017/18-4	Lab	LCS dup	4/5/2018	Organic	Hexachlorobutadiene	n/a	=	20.2	µg/L	EPA 625	0.47	1			
2017/18-4	Lab	LCS dup, rec	4/5/2018	Organic	Hexachlorobutadiene	n/a	=	81	%	EPA 625	-88	-88	24	116	
2017/18-4	Lab	LCS, RPD	4/5/2018	Organic	Hexachlorobutadiene	n/a	=	9	%	EPA 625	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-4	Lab	method blank	4/5/2018	Organic	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5			
2017/18-4	Lab	LCS	4/5/2018	Organic	Hexachlorocyclopentadiene	n/a	=	13.4	µg/L	EPA 625	1.5	5			
2017/18-4	Lab	LCS, rec	4/5/2018	Organic	Hexachlorocyclopentadiene	n/a	=	54	%	EPA 625	-88	-88	0.1	81	
2017/18-4	Lab	LCS dup	4/5/2018	Organic	Hexachlorocyclopentadiene	n/a	=	12.8	µg/L	EPA 625	1.5	5			
2017/18-4	Lab	LCS dup, rec	4/5/2018	Organic	Hexachlorocyclopentadiene	n/a	=	51	%	EPA 625	-88	-88	0.1	81	
2017/18-4	Lab	LCS, RPD	4/5/2018	Organic	Hexachlorocyclopentadiene	n/a	=	5	%	EPA 625	-88	-88	0	30	
2017/18-4	Lab	method blank	4/5/2018	Organic	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1			
2017/18-4	Lab	LCS	4/5/2018	Organic	Hexachloroethane	n/a	=	19.8	µg/L	EPA 625	0.52	1			
2017/18-4	Lab	LCS, rec	4/5/2018	Organic	Hexachloroethane	n/a	=	79	%	EPA 625	-88	-88	40	113	
2017/18-4	Lab	LCS dup	4/5/2018	Organic	Hexachloroethane	n/a	=	18.3	µg/L	EPA 625	0.52	1			
2017/18-4	Lab	LCS dup, rec	4/5/2018	Organic	Hexachloroethane	n/a	=	73	%	EPA 625	-88	-88	40	113	
2017/18-4	Lab	LCS, RPD	4/5/2018	Organic	Hexachloroethane	n/a	=	8	%	EPA 625	-88	-88	0	30	
2017/18-4	Lab	method blank	3/30/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-4	Lab	LCS	3/30/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	11.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-4	Lab	LCS, rec	3/30/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	111	%	EPA 8270C	-88	-88	12	136	
2017/18-4	Lab	LCS dup	3/30/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	11.3	µg/L	EPA 8270C	0.1	0.1			
2017/18-4	Lab	LCS dup, rec	3/30/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	113	%	EPA 8270C	-88	-88	12	136	
2017/18-4	Lab	LCS, RPD	3/30/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	2	%	EPA 8270C	-88	-88	0	30	
2017/18-4	Lab	method blank	4/2/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-4	Lab	LCS	4/2/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	9.91	µg/L	EPA 8270C	0.1	0.1			
2017/18-4	Lab	LCS, rec	4/2/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	99	%	EPA 8270C	-88	-88	12	136	
2017/18-4	Lab	LCS dup	4/2/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	10.7	µg/L	EPA 8270C	0.1	0.1			
2017/18-4	Lab	LCS dup, rec	4/2/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	107	%	EPA 8270C	-88	-88	12	136	
2017/18-4	Lab	LCS, RPD	4/2/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	8	%	EPA 8270C	-88	-88	0	30	
2017/18-4	Lab	method blank	4/5/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2			
2017/18-4	Lab	LCS	4/5/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	18.2	µg/L	EPA 625	0.12	2			
2017/18-4	Lab	LCS, rec	4/5/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	73	%	EPA 625	-88	-88	0.1	171	
2017/18-4	Lab	LCS dup	4/5/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	18.5	µg/L	EPA 625	0.12	2			
2017/18-4	Lab	LCS dup, rec	4/5/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	74	%	EPA 625	-88	-88	0.1	171	
2017/18-4	Lab	LCS, RPD	4/5/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	1	%	EPA 625	-88	-88	0	30	
2017/18-4	Lab	method blank	4/5/2018	Organic	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1			
2017/18-4	Lab	LCS	4/5/2018	Organic	Isophorone	n/a	=	19.7	µg/L	EPA 625	0.21	1			
2017/18-4	Lab	LCS, rec	4/5/2018	Organic	Isophorone	n/a	=	79	%	EPA 625	-88	-88	21	196	
2017/18-4	Lab	LCS dup	4/5/2018	Organic	Isophorone	n/a	=	18.7	µg/L	EPA 625	0.21	1			
2017/18-4	Lab	LCS dup, rec	4/5/2018	Organic	Isophorone	n/a	=	75	%	EPA 625	-88	-88	21	196	
2017/18-4	Lab	LCS, RPD	4/5/2018	Organic	Isophorone	n/a	=	5	%	EPA 625	-88	-88	0	30	
2017/18-4	Lab	LCS	3/23/2018	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	49.4	µg/L	EPA 624	0.25	1			
2017/18-4	Lab	LCS, rec	3/23/2018	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	99	%	EPA 624	-88	-88	80	128	
2017/18-4	Lab	LCS dup	3/23/2018	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	49.4	µg/L	EPA 624	0.25	1			
2017/18-4	Lab	LCS dup, rec	3/23/2018	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	99	%	EPA 624	-88	-88	80	128	
2017/18-4	Lab	LCS, RPD	3/23/2018	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	0.06	%	EPA 624	-88	-88	0	25	
2017/18-4	Lab	method blank	3/23/2018	Organic	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1			
2017/18-4	MO-HUE	field duplicate	3/23/2018	Organic	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1			
2017/18-4	Lab	method blank	3/30/2018	Organic	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-4	Lab	LCS	3/30/2018	Organic	Naphthalene	n/a	=	6.57	µg/L	EPA 8270C	0.1	0.1			
2017/18-4	Lab	LCS, rec	3/30/2018	Organic	Naphthalene	n/a	=	66	%	EPA 8270C	-88	-88	12	136	
2017/18-4	Lab	LCS dup	3/30/2018	Organic	Naphthalene	n/a	=	7.17	µg/L	EPA 8270C	0.1	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-4	Lab	LCS dup, rec	3/30/2018	Organic	Naphthalene	n/a	=	72	%	EPA 8270C	-88	-88	12	136	
2017/18-4	Lab	LCS, RPD	3/30/2018	Organic	Naphthalene	n/a	=	9	%	EPA 8270C	-88	-88	0	30	
2017/18-4	Lab	method blank	4/4/2018	Organic	Naphthalene	n/a	<	0.042	µg/L	EPA 525.2	0.042	-88			
2017/18-4	Lab	LCS	4/4/2018	Organic	Naphthalene	n/a	=	4.61	µg/L	EPA 525.2	0.042	-88			
2017/18-4	Lab	LCS, rec	4/4/2018	Organic	Naphthalene	n/a	=	92	%	EPA 525.2	-88	-88	75	116	
2017/18-4	Lab	LCS dup	4/4/2018	Organic	Naphthalene	n/a	=	4.8	µg/L	EPA 525.2	0.042	-88			
2017/18-4	Lab	LCS dup, rec	4/4/2018	Organic	Naphthalene	n/a	=	96	%	EPA 525.2	-88	-88	75	116	
2017/18-4	Lab	LCS, RPD	4/4/2018	Organic	Naphthalene	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2017/18-4	Lab	method blank	4/5/2018	Organic	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1			
2017/18-4	Lab	LCS	4/5/2018	Organic	Naphthalene	n/a	=	23.9	µg/L	EPA 625	0.49	1			
2017/18-4	Lab	LCS, rec	4/5/2018	Organic	Naphthalene	n/a	=	96	%	EPA 625	-88	-88	21	133	
2017/18-4	Lab	LCS dup	4/5/2018	Organic	Naphthalene	n/a	=	23.6	µg/L	EPA 625	0.49	1			
2017/18-4	Lab	LCS dup, rec	4/5/2018	Organic	Naphthalene	n/a	=	94	%	EPA 625	-88	-88	21	133	
2017/18-4	Lab	LCS, RPD	4/5/2018	Organic	Naphthalene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2017/18-4	Lab	method blank	4/5/2018	Organic	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2017/18-4	Lab	LCS	4/5/2018	Organic	Nitrobenzene	n/a	=	20.6	µg/L	EPA 625	0.36	1			
2017/18-4	Lab	LCS, rec	4/5/2018	Organic	Nitrobenzene	n/a	=	82	%	EPA 625	-88	-88	35	180	
2017/18-4	Lab	LCS dup	4/5/2018	Organic	Nitrobenzene	n/a	=	20	µg/L	EPA 625	0.36	1			
2017/18-4	Lab	LCS dup, rec	4/5/2018	Organic	Nitrobenzene	n/a	=	80	%	EPA 625	-88	-88	35	180	
2017/18-4	Lab	LCS, RPD	4/5/2018	Organic	Nitrobenzene	n/a	=	3	%	EPA 625	-88	-88	0	30	
2017/18-4	Lab	srgt method blank	3/30/2018	Organic	Nitrobenzene-d5	n/a	=	3.03	µg/L	EPA 8270C	-88	-88			
2017/18-4	Lab	srgt method blank, rec	3/30/2018	Organic	Nitrobenzene-d5	n/a	=	61	%	EPA 8270C	-88	-88	51	143	
2017/18-4	Lab	srgt LCS	3/30/2018	Organic	Nitrobenzene-d5	n/a	=	3.16	µg/L	EPA 8270C	-88	-88			
2017/18-4	Lab	srgt LCS, rec	3/30/2018	Organic	Nitrobenzene-d5	n/a	=	63	%	EPA 8270C	-88	-88	51	143	
2017/18-4	Lab	srgt LCS dup	3/30/2018	Organic	Nitrobenzene-d5	n/a	=	3.55	µg/L	EPA 8270C	-88	-88			
2017/18-4	Lab	srgt LCS dup, rec	3/30/2018	Organic	Nitrobenzene-d5	n/a	=	71	%	EPA 8270C	-88	-88	51	143	
2017/18-4	Lab	srgt method blank	4/2/2018	Organic	Nitrobenzene-d5	n/a	=	3.18	µg/L	EPA 8270C	-88	-88			
2017/18-4	Lab	srgt method blank, rec	4/2/2018	Organic	Nitrobenzene-d5	n/a	=	64	%	EPA 8270C	-88	-88	51	143	
2017/18-4	Lab	srgt LCS	4/2/2018	Organic	Nitrobenzene-d5	n/a	=	3.36	µg/L	EPA 8270C	-88	-88			
2017/18-4	Lab	srgt LCS, rec	4/2/2018	Organic	Nitrobenzene-d5	n/a	=	67	%	EPA 8270C	-88	-88	51	143	
2017/18-4	Lab	srgt LCS dup	4/2/2018	Organic	Nitrobenzene-d5	n/a	=	3.68	µg/L	EPA 8270C	-88	-88			
2017/18-4	Lab	srgt LCS dup, rec	4/2/2018	Organic	Nitrobenzene-d5	n/a	=	74	%	EPA 8270C	-88	-88	51	143	
2017/18-4	Lab	srgt method blank	4/5/2018	Organic	Nitrobenzene-d5	n/a	=	22.8	µg/L	EPA 625	-88	-88			
2017/18-4	Lab	srgt method blank, rec	4/5/2018	Organic	Nitrobenzene-d5	n/a	=	91	%	EPA 625	-88	-88	27	111	
2017/18-4	Lab	srgt LCS	4/5/2018	Organic	Nitrobenzene-d5	n/a	=	22.5	µg/L	EPA 625	-88	-88			
2017/18-4	Lab	srgt LCS, rec	4/5/2018	Organic	Nitrobenzene-d5	n/a	=	90	%	EPA 625	-88	-88	27	111	
2017/18-4	Lab	srgt LCS dup	4/5/2018	Organic	Nitrobenzene-d5	n/a	=	21.2	µg/L	EPA 625	-88	-88			
2017/18-4	Lab	srgt LCS dup, rec	4/5/2018	Organic	Nitrobenzene-d5	n/a	=	85	%	EPA 625	-88	-88	27	111	
2017/18-4	MO-HUE	srgt environ	3/30/2018	Organic	Nitrobenzene-d5	n/a	=	3.18	µg/L	EPA 8270C	-88	-88			
2017/18-4	MO-HUE	srgt environ, rec	3/30/2018	Organic	Nitrobenzene-d5	n/a	=	64	%	EPA 8270C	-88	-88	51	143	
2017/18-4	MO-HUE	srgt environ	4/5/2018	Organic	Nitrobenzene-d5	n/a	=	20.1	µg/L	EPA 625	-88	-88			
2017/18-4	MO-HUE	srgt environ, rec	4/5/2018	Organic	Nitrobenzene-d5	n/a	=	81	%	EPA 625	-88	-88	27	111	
2017/18-4	Lab	method blank	4/5/2018	Organic	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1			
2017/18-4	Lab	LCS	4/5/2018	Organic	N-Nitrosodimethylamine	n/a	=	16.7	µg/L	EPA 625	0.14	1			
2017/18-4	Lab	LCS, rec	4/5/2018	Organic	N-Nitrosodimethylamine	n/a	=	67	%	EPA 625	-88	-88	20	83	
2017/18-4	Lab	LCS dup	4/5/2018	Organic	N-Nitrosodimethylamine	n/a	=	16.4	µg/L	EPA 625	0.14	1			
2017/18-4	Lab	LCS dup, rec	4/5/2018	Organic	N-Nitrosodimethylamine	n/a	=	66	%	EPA 625	-88	-88	20	83	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-4	Lab	LCS, RPD	4/5/2018	Organic	N-Nitrosodimethylamine	n/a	=	2	%	EPA 625	-88	-88	0	30	
2017/18-4	Lab	method blank	4/5/2018	Organic	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2017/18-4	Lab	LCS	4/5/2018	Organic	N-Nitrosodi-N-propylamine	n/a	=	24.6	µg/L	EPA 625	0.26	1			
2017/18-4	Lab	LCS, rec	4/5/2018	Organic	N-Nitrosodi-N-propylamine	n/a	=	98	%	EPA 625	-88	-88	0.1	230	
2017/18-4	Lab	LCS dup	4/5/2018	Organic	N-Nitrosodi-N-propylamine	n/a	=	23.3	µg/L	EPA 625	0.26	1			
2017/18-4	Lab	LCS dup, rec	4/5/2018	Organic	N-Nitrosodi-N-propylamine	n/a	=	93	%	EPA 625	-88	-88	0.1	230	
2017/18-4	Lab	LCS, RPD	4/5/2018	Organic	N-Nitrosodi-N-propylamine	n/a	=	6	%	EPA 625	-88	-88	0	30	
2017/18-4	Lab	method blank	4/5/2018	Organic	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2017/18-4	Lab	LCS	4/5/2018	Organic	N-Nitrosodiphenylamine	n/a	=	16.5	µg/L	EPA 625	0.19	1			
2017/18-4	Lab	LCS, rec	4/5/2018	Organic	N-Nitrosodiphenylamine	n/a	=	66	%	EPA 625	-88	-88	42	90	
2017/18-4	Lab	LCS dup	4/5/2018	Organic	N-Nitrosodiphenylamine	n/a	=	16.4	µg/L	EPA 625	0.19	1			
2017/18-4	Lab	LCS dup, rec	4/5/2018	Organic	N-Nitrosodiphenylamine	n/a	=	66	%	EPA 625	-88	-88	42	90	
2017/18-4	Lab	LCS, RPD	4/5/2018	Organic	N-Nitrosodiphenylamine	n/a	=	0.8	%	EPA 625	-88	-88	0	30	
2017/18-4	Lab	method blank	3/30/2018	Organic	Perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-4	Lab	srgt method blank	4/4/2018	Organic	Perylene-d12	n/a	=	5.08	µg/L	EPA 525.2	-88	-88			
2017/18-4	Lab	srgt method blank, rec	4/4/2018	Organic	Perylene-d12	n/a	=	102	%	EPA 525.2	-88	-88	50	120	
2017/18-4	Lab	srgt LCS	4/4/2018	Organic	Perylene-d12	n/a	=	5.7	µg/L	EPA 525.2	-88	-88			
2017/18-4	Lab	srgt LCS, rec	4/4/2018	Organic	Perylene-d12	n/a	=	114	%	EPA 525.2	-88	-88	50	120	
2017/18-4	Lab	srgt LCS dup	4/4/2018	Organic	Perylene-d12	n/a	=	5.62	µg/L	EPA 525.2	-88	-88			
2017/18-4	Lab	srgt LCS dup, rec	4/4/2018	Organic	Perylene-d12	n/a	=	112	%	EPA 525.2	-88	-88	50	120	
2017/18-4	MO-HUE	srgt environ	4/4/2018	Organic	Perylene-d12	n/a	=	3.69	µg/L	EPA 525.2	-88	-88			
2017/18-4	MO-HUE	srgt environ, rec	4/4/2018	Organic	Perylene-d12	n/a	=	74	%	EPA 525.2	-88	-88	50	120	
2017/18-4	Lab	method blank	3/30/2018	Organic	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-4	Lab	LCS	3/30/2018	Organic	Phenanthrene	n/a	=	7.6	µg/L	EPA 8270C	0.1	0.1			
2017/18-4	Lab	LCS, rec	3/30/2018	Organic	Phenanthrene	n/a	=	76	%	EPA 8270C	-88	-88	21	131	
2017/18-4	Lab	LCS dup	3/30/2018	Organic	Phenanthrene	n/a	=	7.68	µg/L	EPA 8270C	0.1	0.1			
2017/18-4	Lab	LCS dup, rec	3/30/2018	Organic	Phenanthrene	n/a	=	77	%	EPA 8270C	-88	-88	21	131	
2017/18-4	Lab	LCS, RPD	3/30/2018	Organic	Phenanthrene	n/a	=	1	%	EPA 8270C	-88	-88	0	30	
2017/18-4	Lab	method blank	4/5/2018	Organic	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1			
2017/18-4	Lab	LCS	4/5/2018	Organic	Phenanthrene	n/a	=	25.8	µg/L	EPA 625	0.32	1			
2017/18-4	Lab	LCS, rec	4/5/2018	Organic	Phenanthrene	n/a	=	103	%	EPA 625	-88	-88	54	120	
2017/18-4	Lab	LCS dup	4/5/2018	Organic	Phenanthrene	n/a	=	24.3	µg/L	EPA 625	0.32	1			
2017/18-4	Lab	LCS dup, rec	4/5/2018	Organic	Phenanthrene	n/a	=	97	%	EPA 625	-88	-88	54	120	
2017/18-4	Lab	LCS, RPD	4/5/2018	Organic	Phenanthrene	n/a	=	6	%	EPA 625	-88	-88	0	30	
2017/18-4	Lab	method blank	4/5/2018	Organic	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1			
2017/18-4	Lab	LCS	4/5/2018	Organic	Phenol	n/a	=	8.44	µg/L	EPA 625	0.16	1			
2017/18-4	Lab	LCS, rec	4/5/2018	Organic	Phenol	n/a	=	34	%	EPA 625	-88	-88	5	112	
2017/18-4	Lab	LCS dup	4/5/2018	Organic	Phenol	n/a	=	8.43	µg/L	EPA 625	0.16	1			
2017/18-4	Lab	LCS dup, rec	4/5/2018	Organic	Phenol	n/a	=	34	%	EPA 625	-88	-88	5	112	
2017/18-4	Lab	LCS, RPD	4/5/2018	Organic	Phenol	n/a	=	0.2	%	EPA 625	-88	-88	0	30	
2017/18-4	Lab	method blank	4/10/2018	Organic	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1			
2017/18-4	Lab	LCS	4/10/2018	Organic	Phenol	n/a	=	2.45	µg/L	EPA 8270C	0.35	1			
2017/18-4	Lab	LCS, rec	4/10/2018	Organic	Phenol	n/a	=	24	%	EPA 8270C	-88	-88	6	43	
2017/18-4	Lab	LCS dup	4/10/2018	Organic	Phenol	n/a	=	2.91	µg/L	EPA 8270C	0.35	1			
2017/18-4	Lab	LCS dup, rec	4/10/2018	Organic	Phenol	n/a	=	29	%	EPA 8270C	-88	-88	6	43	
2017/18-4	Lab	LCS, RPD	4/10/2018	Organic	Phenol	n/a	=	17	%	EPA 8270C	-88	-88	0	30	
2017/18-4	Lab	srgt method blank	4/5/2018	Organic	Phenol-d5	n/a	=	19	µg/L	EPA 625	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-4	Lab	srgt method blank, rec	4/5/2018	Organic	Phenol-d5	n/a	=	38	%	EPA 625	-88	-88	0.1	53	
2017/18-4	Lab	srgt LCS	4/5/2018	Organic	Phenol-d5	n/a	=	18.5	µg/L	EPA 625	-88	-88			
2017/18-4	Lab	srgt LCS, rec	4/5/2018	Organic	Phenol-d5	n/a	=	37	%	EPA 625	-88	-88	0.1	53	
2017/18-4	Lab	srgt LCS dup	4/5/2018	Organic	Phenol-d5	n/a	=	18.2	µg/L	EPA 625	-88	-88			
2017/18-4	Lab	srgt LCS dup, rec	4/5/2018	Organic	Phenol-d5	n/a	=	36	%	EPA 625	-88	-88	0.1	53	
2017/18-4	Lab	srgt method blank	4/10/2018	Organic	Phenol-d5	n/a	=	1.6	µg/L	EPA 8270C	-88	-88			
2017/18-4	Lab	srgt method blank, rec	4/10/2018	Organic	Phenol-d5	n/a	=	16	%	EPA 8270C	-88	-88	5	46	
2017/18-4	Lab	srgt LCS	4/10/2018	Organic	Phenol-d5	n/a	=	1.81	µg/L	EPA 8270C	-88	-88			
2017/18-4	Lab	srgt LCS, rec	4/10/2018	Organic	Phenol-d5	n/a	=	18	%	EPA 8270C	-88	-88	5	46	
2017/18-4	Lab	srgt LCS dup	4/10/2018	Organic	Phenol-d5	n/a	=	2.25	µg/L	EPA 8270C	-88	-88			
2017/18-4	Lab	srgt LCS dup, rec	4/10/2018	Organic	Phenol-d5	n/a	=	22	%	EPA 8270C	-88	-88	5	46	
2017/18-4	MO-HUE	srgt environ	4/5/2018	Organic	Phenol-d5	n/a	=	16.8	µg/L	EPA 625	-88	-88			
2017/18-4	MO-HUE	srgt environ, rec	4/5/2018	Organic	Phenol-d5	n/a	=	34	%	EPA 625	-88	-88	0.1	53	
2017/18-4	MO-HUE	srgt environ	4/10/2018	Organic	Phenol-d5	n/a	=	1.9	µg/L	EPA 8270C	-88	-88			
2017/18-4	MO-HUE	srgt environ, rec	4/10/2018	Organic	Phenol-d5	n/a	=	19	%	EPA 8270C	-88	-88	5	46	
2017/18-4	Lab	srgt method blank	3/30/2018	Organic	p-Terphenyl-d14	n/a	=	3.64	µg/L	EPA 8270C	-88	-88			
2017/18-4	Lab	srgt method blank, rec	3/30/2018	Organic	p-Terphenyl-d14	n/a	=	73	%	EPA 8270C	-88	-88	19	134	
2017/18-4	Lab	srgt LCS	3/30/2018	Organic	p-Terphenyl-d14	n/a	=	3.93	µg/L	EPA 8270C	-88	-88			
2017/18-4	Lab	srgt LCS, rec	3/30/2018	Organic	p-Terphenyl-d14	n/a	=	79	%	EPA 8270C	-88	-88	19	134	
2017/18-4	Lab	srgt LCS dup	3/30/2018	Organic	p-Terphenyl-d14	n/a	=	3.99	µg/L	EPA 8270C	-88	-88			
2017/18-4	Lab	srgt LCS dup, rec	3/30/2018	Organic	p-Terphenyl-d14	n/a	=	80	%	EPA 8270C	-88	-88	19	134	
2017/18-4	Lab	srgt method blank	4/2/2018	Organic	p-Terphenyl-d14	n/a	=	3.01	µg/L	EPA 8270C	-88	-88			
2017/18-4	Lab	srgt method blank, rec	4/2/2018	Organic	p-Terphenyl-d14	n/a	=	60	%	EPA 8270C	-88	-88	19	134	
2017/18-4	Lab	srgt LCS	4/2/2018	Organic	p-Terphenyl-d14	n/a	=	3.11	µg/L	EPA 8270C	-88	-88			
2017/18-4	Lab	srgt LCS, rec	4/2/2018	Organic	p-Terphenyl-d14	n/a	=	62	%	EPA 8270C	-88	-88	19	134	
2017/18-4	Lab	srgt LCS dup	4/2/2018	Organic	p-Terphenyl-d14	n/a	=	2.97	µg/L	EPA 8270C	-88	-88			
2017/18-4	Lab	srgt LCS dup, rec	4/2/2018	Organic	p-Terphenyl-d14	n/a	=	59	%	EPA 8270C	-88	-88	19	134	
2017/18-4	Lab	srgt method blank	4/5/2018	Organic	p-Terphenyl-d14	n/a	=	24	µg/L	EPA 625	-88	-88			
2017/18-4	Lab	srgt method blank, rec	4/5/2018	Organic	p-Terphenyl-d14	n/a	=	96	%	EPA 625	-88	-88	28	113	
2017/18-4	Lab	srgt LCS	4/5/2018	Organic	p-Terphenyl-d14	n/a	=	22.7	µg/L	EPA 625	-88	-88			
2017/18-4	Lab	srgt LCS, rec	4/5/2018	Organic	p-Terphenyl-d14	n/a	=	91	%	EPA 625	-88	-88	28	113	
2017/18-4	Lab	srgt LCS dup	4/5/2018	Organic	p-Terphenyl-d14	n/a	=	20.5	µg/L	EPA 625	-88	-88			
2017/18-4	Lab	srgt LCS dup, rec	4/5/2018	Organic	p-Terphenyl-d14	n/a	=	82	%	EPA 625	-88	-88	28	113	
2017/18-4	MO-HUE	srgt environ	3/30/2018	Organic	p-Terphenyl-d14	n/a	=	3.81	µg/L	EPA 8270C	-88	-88			
2017/18-4	MO-HUE	srgt environ, rec	3/30/2018	Organic	p-Terphenyl-d14	n/a	=	76	%	EPA 8270C	-88	-88	19	134	
2017/18-4	MO-HUE	srgt environ	4/5/2018	Organic	p-Terphenyl-d14	n/a	=	22.2	µg/L	EPA 625	-88	-88			
2017/18-4	MO-HUE	srgt environ, rec	4/5/2018	Organic	p-Terphenyl-d14	n/a	=	89	%	EPA 625	-88	-88	28	113	
2017/18-4	Lab	method blank	3/30/2018	Organic	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-4	Lab	LCS	3/30/2018	Organic	Pyrene	n/a	=	7.95	µg/L	EPA 8270C	0.1	0.1			
2017/18-4	Lab	LCS, rec	3/30/2018	Organic	Pyrene	n/a	=	79	%	EPA 8270C	-88	-88	26	128	
2017/18-4	Lab	LCS dup	3/30/2018	Organic	Pyrene	n/a	=	7.89	µg/L	EPA 8270C	0.1	0.1			
2017/18-4	Lab	LCS dup, rec	3/30/2018	Organic	Pyrene	n/a	=	79	%	EPA 8270C	-88	-88	26	128	
2017/18-4	Lab	LCS, RPD	3/30/2018	Organic	Pyrene	n/a	=	0.7	%	EPA 8270C	-88	-88	0	30	
2017/18-4	Lab	method blank	4/5/2018	Organic	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2017/18-4	Lab	LCS	4/5/2018	Organic	Pyrene	n/a	=	23.1	µg/L	EPA 625	0.25	1			
2017/18-4	Lab	LCS, rec	4/5/2018	Organic	Pyrene	n/a	=	93	%	EPA 625	-88	-88	52	115	
2017/18-4	Lab	LCS dup	4/5/2018	Organic	Pyrene	n/a	=	21.1	µg/L	EPA 625	0.25	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-4	Lab	LCS dup, rec	4/5/2018	Organic	Pyrene	n/a	=	84	%	EPA 625	-88	-88	52	115	
2017/18-4	Lab	LCS, RPD	4/5/2018	Organic	Pyrene	n/a	=	9	%	EPA 625	-88	-88	0	30	
2017/18-4	000NONPJ	srgt matrix spike	4/2/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0506	µg/L	EPA 608	-88	-88			
2017/18-4	000NONPJ	srgt matrix spike, rec	4/2/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	51	%	EPA 608	-88	-88	35	111	
2017/18-4	000NONPJ	srgt matrix spike dup	4/2/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0554	µg/L	EPA 608	-88	-88			
2017/18-4	000NONPJ	srgt matrix spike dup, rec	4/2/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	55	%	EPA 608	-88	-88	35	111	
2017/18-4	Lab	srgt method blank	4/2/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0848	µg/L	EPA 608	-88	-88			
2017/18-4	Lab	srgt method blank, rec	4/2/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	85	%	EPA 608	-88	-88	35	111	
2017/18-4	Lab	srgt LCS	4/2/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0954	µg/L	EPA 608	-88	-88			
2017/18-4	Lab	srgt LCS, rec	4/2/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	95	%	EPA 608	-88	-88	35	111	
2017/18-4	Lab	srgt method blank	4/6/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0818	µg/L	EPA 608	-88	-88			
2017/18-4	Lab	srgt method blank, rec	4/6/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	82	%	EPA 608	-88	-88	35	111	
2017/18-4	Lab	srgt LCS	4/6/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0935	µg/L	EPA 608	-88	-88			
2017/18-4	Lab	srgt LCS, rec	4/6/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	93	%	EPA 608	-88	-88	35	111	
2017/18-4	MO-HUE	srgt matrix spike	4/2/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0458	µg/L	EPA 608	-88	-88			
2017/18-4	MO-HUE	srgt matrix spike, rec	4/2/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	46	%	EPA 608	-88	-88	35	111	
2017/18-4	MO-HUE	srgt matrix spike dup	4/2/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0417	µg/L	EPA 608	-88	-88			
2017/18-4	MO-HUE	srgt matrix spike dup, rec	4/2/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	42	%	EPA 608	-88	-88	35	111	
2017/18-4	MO-HUE	srgt environ	4/2/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0585	µg/L	EPA 608	-88	-88			
2017/18-4	MO-HUE	srgt environ, rec	4/2/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	58	%	EPA 608	-88	-88	35	111	
2017/18-4	Lab	srgt LCS	3/23/2018	Organic	Toluene-d8	n/a	=	51.2	µg/L	EPA 624	-88	-88			
2017/18-4	Lab	srgt LCS, rec	3/23/2018	Organic	Toluene-d8	n/a	=	102	%	EPA 624	-88	-88	92	112	
2017/18-4	Lab	srgt LCS dup	3/23/2018	Organic	Toluene-d8	n/a	=	51.9	µg/L	EPA 624	-88	-88			
2017/18-4	Lab	srgt LCS dup, rec	3/23/2018	Organic	Toluene-d8	n/a	=	104	%	EPA 624	-88	-88	92	112	
2017/18-4	Lab	srgt method blank	3/23/2018	Organic	Toluene-d8	n/a	=	50.9	µg/L	EPA 624	-88	-88			
2017/18-4	Lab	srgt method blank, rec	3/23/2018	Organic	Toluene-d8	n/a	=	102	%	EPA 624	-88	-88	92	112	
2017/18-4	MO-HUE	srgt environ	3/23/2018	Organic	Toluene-d8	n/a	=	51	µg/L	EPA 624	-88	-88			
2017/18-4	MO-HUE	srgt environ, rec	3/23/2018	Organic	Toluene-d8	n/a	=	102	%	EPA 624	-88	-88	92	112	
2017/18-4	MO-HUE	srgt field duplicate	3/23/2018	Organic	Toluene-d8	n/a	=	51.3	µg/L	EPA 624	-88	-88			
2017/18-4	MO-HUE	srgt field duplicate, rec	3/23/2018	Organic	Toluene-d8	n/a	=	103	%	EPA 624	-88	-88	92	112	
2017/18-4	MO-HUE	srgt matrix spike	3/23/2018	Organic	Toluene-d8	n/a	=	51.8	µg/L	EPA 624	-88	-88			
2017/18-4	MO-HUE	srgt matrix spike, rec	3/23/2018	Organic	Toluene-d8	n/a	=	104	%	EPA 624	-88	-88	92	112	
2017/18-4	MO-HUE	srgt matrix spike dup	3/23/2018	Organic	Toluene-d8	n/a	=	52.2	µg/L	EPA 624	-88	-88			
2017/18-4	MO-HUE	srgt matrix spike dup, rec	3/23/2018	Organic	Toluene-d8	n/a	=	104	%	EPA 624	-88	-88	92	112	
2017/18-4	000NONPJ	srgt matrix spike	3/30/2018	Organic	Triphenylphosphate	n/a	=	0.76	µg/L	EPA 525.2m	-88	-88			
2017/18-4	000NONPJ	srgt matrix spike, rec	3/30/2018	Organic	Triphenylphosphate	n/a	=	152	%	EPA 525.2m	-88	-88	40	163	
2017/18-4	000NONPJ	srgt matrix spike dup	3/30/2018	Organic	Triphenylphosphate	n/a	=	0.759	µg/L	EPA 525.2m	-88	-88			
2017/18-4	000NONPJ	srgt matrix spike dup, rec	3/30/2018	Organic	Triphenylphosphate	n/a	=	152	%	EPA 525.2m	-88	-88	40	163	
2017/18-4	Lab	srgt method blank	3/30/2018	Organic	Triphenylphosphate	n/a	=	0.506	µg/L	EPA 525.2m	-88	-88			
2017/18-4	Lab	srgt method blank, rec	3/30/2018	Organic	Triphenylphosphate	n/a	=	101	%	EPA 525.2m	-88	-88	40	163	
2017/18-4	Lab	srgt LCS	3/30/2018	Organic	Triphenylphosphate	n/a	=	0.499	µg/L	EPA 525.2m	-88	-88			
2017/18-4	Lab	srgt LCS, rec	3/30/2018	Organic	Triphenylphosphate	n/a	=	100	%	EPA 525.2m	-88	-88	40	163	
2017/18-4	Lab	srgt method blank	4/4/2018	Organic	Triphenylphosphate	n/a	=	5.07	µg/L	EPA 525.2	-88	-88			
2017/18-4	Lab	srgt method blank, rec	4/4/2018	Organic	Triphenylphosphate	n/a	=	101	%	EPA 525.2	-88	-88	70	130	
2017/18-4	Lab	srgt LCS	4/4/2018	Organic	Triphenylphosphate	n/a	=	5.51	µg/L	EPA 525.2	-88	-88			
2017/18-4	Lab	srgt LCS, rec	4/4/2018	Organic	Triphenylphosphate	n/a	=	110	%	EPA 525.2	-88	-88	70	130	
2017/18-4	Lab	srgt LCS dup	4/4/2018	Organic	Triphenylphosphate	n/a	=	5.54	µg/L	EPA 525.2	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-4	Lab	srgt LCS dup, rec	4/4/2018	Organic	Triphenylphosphate	n/a	=	111	%	EPA 525.2	-88	-88	70	130	
2017/18-4	MO-HUE	srgt matrix spike	3/30/2018	Organic	Triphenylphosphate	n/a	=	0.6	µg/L	EPA 525.2m	-88	-88			
2017/18-4	MO-HUE	srgt matrix spike, rec	3/30/2018	Organic	Triphenylphosphate	n/a	=	120	%	EPA 525.2m	-88	-88	40	163	
2017/18-4	MO-HUE	srgt matrix spike dup	3/30/2018	Organic	Triphenylphosphate	n/a	=	0.777	µg/L	EPA 525.2m	-88	-88			
2017/18-4	MO-HUE	srgt matrix spike dup, rec	3/30/2018	Organic	Triphenylphosphate	n/a	=	155	%	EPA 525.2m	-88	-88	40	163	
2017/18-4	MO-HUE	srgt environ	3/30/2018	Organic	Triphenylphosphate	n/a	=	0.762	µg/L	EPA 525.2m	-88	-88			
2017/18-4	MO-HUE	srgt environ, rec	3/30/2018	Organic	Triphenylphosphate	n/a	=	152	%	EPA 525.2m	-88	-88	40	163	
2017/18-4	MO-HUE	srgt environ	4/4/2018	Organic	Triphenylphosphate	n/a	=	5.72	µg/L	EPA 525.2	-88	-88			
2017/18-4	MO-HUE	srgt environ, rec	4/4/2018	Organic	Triphenylphosphate	n/a	=	114	%	EPA 525.2	-88	-88	70	130	
2017/18-4	000NONPJ	srgt matrix spike	4/2/2018	PCB	PCB 209	n/a	=	0.022	µg/L	EPA 608	-88	-88			GN
2017/18-4	000NONPJ	srgt matrix spike, rec	4/2/2018	PCB	PCB 209	n/a	=	22	%	EPA 608	-88	-88	34	125	GN
2017/18-4	000NONPJ	srgt matrix spike dup	4/2/2018	PCB	PCB 209	n/a	=	0.0273	µg/L	EPA 608	-88	-88			GN
2017/18-4	000NONPJ	srgt matrix spike dup, rec	4/2/2018	PCB	PCB 209	n/a	=	27	%	EPA 608	-88	-88	34	125	GN
2017/18-4	Lab	srgt method blank	4/2/2018	PCB	PCB 209	n/a	=	0.117	µg/L	EPA 608	-88	-88			
2017/18-4	Lab	srgt method blank, rec	4/2/2018	PCB	PCB 209	n/a	=	117	%	EPA 608	-88	-88	34	125	
2017/18-4	Lab	srgt LCS	4/2/2018	PCB	PCB 209	n/a	=	0.114	µg/L	EPA 608	-88	-88			
2017/18-4	Lab	srgt LCS, rec	4/2/2018	PCB	PCB 209	n/a	=	114	%	EPA 608	-88	-88	34	125	
2017/18-4	Lab	srgt method blank	4/6/2018	PCB	PCB 209	n/a	=	0.102	µg/L	EPA 608	-88	-88			
2017/18-4	Lab	srgt method blank, rec	4/6/2018	PCB	PCB 209	n/a	=	102	%	EPA 608	-88	-88	34	125	
2017/18-4	Lab	srgt LCS	4/6/2018	PCB	PCB 209	n/a	=	0.112	µg/L	EPA 608	-88	-88			
2017/18-4	Lab	srgt LCS, rec	4/6/2018	PCB	PCB 209	n/a	=	112	%	EPA 608	-88	-88	34	125	
2017/18-4	MO-HUE	srgt matrix spike	4/2/2018	PCB	PCB 209	n/a	=	0.0718	µg/L	EPA 608	-88	-88			
2017/18-4	MO-HUE	srgt matrix spike, rec	4/2/2018	PCB	PCB 209	n/a	=	72	%	EPA 608	-88	-88	34	125	
2017/18-4	MO-HUE	srgt matrix spike dup	4/2/2018	PCB	PCB 209	n/a	=	0.0671	µg/L	EPA 608	-88	-88			
2017/18-4	MO-HUE	srgt matrix spike dup, rec	4/2/2018	PCB	PCB 209	n/a	=	67	%	EPA 608	-88	-88	34	125	
2017/18-4	MO-HUE	srgt environ	4/2/2018	PCB	PCB 209	n/a	=	0.0667	µg/L	EPA 608	-88	-88			
2017/18-4	MO-HUE	srgt environ, rec	4/2/2018	PCB	PCB 209	n/a	=	67	%	EPA 608	-88	-88	34	125	
2017/18-4	000NONPJ	matrix spike	3/26/2018	Pesticide	2,4,5-T	n/a	=	4	µg/L	EPA 515.3	0.07	0.2			
2017/18-4	000NONPJ	matrix spike, rec	3/26/2018	Pesticide	2,4,5-T	n/a	=	100	%	EPA 515.3	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike dup	3/26/2018	Pesticide	2,4,5-T	n/a	=	3.68	µg/L	EPA 515.3	0.07	0.2			
2017/18-4	000NONPJ	matrix spike dup, rec	3/26/2018	Pesticide	2,4,5-T	n/a	=	92	%	EPA 515.3	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike, RPD	3/26/2018	Pesticide	2,4,5-T	n/a	=	8	%	EPA 515.3	-88	-88	0	30	
2017/18-4	Lab	method blank	3/26/2018	Pesticide	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2			
2017/18-4	Lab	LCS	3/26/2018	Pesticide	2,4,5-T	n/a	=	4.22	µg/L	EPA 515.3	0.07	0.2			
2017/18-4	Lab	LCS, rec	3/26/2018	Pesticide	2,4,5-T	n/a	=	105	%	EPA 515.3	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike	3/26/2018	Pesticide	2,4,5-TP	n/a	=	4.1	µg/L	EPA 515.3	0.09	0.2			
2017/18-4	000NONPJ	matrix spike, rec	3/26/2018	Pesticide	2,4,5-TP	n/a	=	102	%	EPA 515.3	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike dup	3/26/2018	Pesticide	2,4,5-TP	n/a	=	4.07	µg/L	EPA 515.3	0.09	0.2			
2017/18-4	000NONPJ	matrix spike dup, rec	3/26/2018	Pesticide	2,4,5-TP	n/a	=	102	%	EPA 515.3	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike, RPD	3/26/2018	Pesticide	2,4,5-TP	n/a	=	0.7	%	EPA 515.3	-88	-88	0	30	
2017/18-4	Lab	method blank	3/26/2018	Pesticide	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2			
2017/18-4	Lab	LCS	3/26/2018	Pesticide	2,4,5-TP	n/a	=	4.48	µg/L	EPA 515.3	0.09	0.2			
2017/18-4	Lab	LCS, rec	3/26/2018	Pesticide	2,4,5-TP	n/a	=	112	%	EPA 515.3	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike	3/26/2018	Pesticide	2,4-D	n/a	=	9.05	µg/L	EPA 515.3	0.07	0.4			
2017/18-4	000NONPJ	matrix spike, rec	3/26/2018	Pesticide	2,4-D	n/a	=	113	%	EPA 515.3	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike dup	3/26/2018	Pesticide	2,4-D	n/a	=	8.38	µg/L	EPA 515.3	0.07	0.4			
2017/18-4	000NONPJ	matrix spike dup, rec	3/26/2018	Pesticide	2,4-D	n/a	=	105	%	EPA 515.3	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-4	000NONPJ	matrix spike, RPD	3/26/2018	Pesticide	2,4-D	n/a	=	8	%	EPA 515.3	-88	-88	0	30	
2017/18-4	Lab	method blank	3/26/2018	Pesticide	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4			
2017/18-4	Lab	LCS	3/26/2018	Pesticide	2,4-D	n/a	=	10	µg/L	EPA 515.3	0.07	0.4			
2017/18-4	Lab	LCS, rec	3/26/2018	Pesticide	2,4-D	n/a	=	125	%	EPA 515.3	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike	3/26/2018	Pesticide	2,4-DB	n/a	=	16.6	µg/L	EPA 515.3	0.07	2			
2017/18-4	000NONPJ	matrix spike, rec	3/26/2018	Pesticide	2,4-DB	n/a	=	104	%	EPA 515.3	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike dup	3/26/2018	Pesticide	2,4-DB	n/a	=	14.7	µg/L	EPA 515.3	0.07	2			
2017/18-4	000NONPJ	matrix spike dup, rec	3/26/2018	Pesticide	2,4-DB	n/a	=	92	%	EPA 515.3	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike, RPD	3/26/2018	Pesticide	2,4-DB	n/a	=	12	%	EPA 515.3	-88	-88	0	30	
2017/18-4	Lab	method blank	3/26/2018	Pesticide	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2			
2017/18-4	Lab	LCS	3/26/2018	Pesticide	2,4-DB	n/a	=	19.2	µg/L	EPA 515.3	0.07	2			
2017/18-4	Lab	LCS, rec	3/26/2018	Pesticide	2,4-DB	n/a	=	120	%	EPA 515.3	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike	3/26/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	9.32	µg/L	EPA 515.3	0.09	1			
2017/18-4	000NONPJ	matrix spike, rec	3/26/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	116	%	EPA 515.3	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike dup	3/26/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	8.86	µg/L	EPA 515.3	0.09	1			
2017/18-4	000NONPJ	matrix spike dup, rec	3/26/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	111	%	EPA 515.3	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike, RPD	3/26/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	5	%	EPA 515.3	-88	-88	0	30	
2017/18-4	Lab	method blank	3/26/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1			
2017/18-4	Lab	LCS	3/26/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	10.1	µg/L	EPA 515.3	0.09	1			
2017/18-4	Lab	LCS, rec	3/26/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	126	%	EPA 515.3	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike	4/2/2018	Pesticide	4,4'-DDD	n/a	DNQ	0.0499	µg/L	EPA 608	0.006	0.1			
2017/18-4	000NONPJ	matrix spike, rec	4/2/2018	Pesticide	4,4'-DDD	n/a	=	50	%	EPA 608	-88	-88	23	124	
2017/18-4	000NONPJ	matrix spike dup	4/2/2018	Pesticide	4,4'-DDD	n/a	DNQ	0.0545	µg/L	EPA 608	0.006	0.1			
2017/18-4	000NONPJ	matrix spike dup, rec	4/2/2018	Pesticide	4,4'-DDD	n/a	=	54	%	EPA 608	-88	-88	23	124	
2017/18-4	000NONPJ	matrix spike, RPD	4/2/2018	Pesticide	4,4'-DDD	n/a	=	9	%	EPA 608	-88	-88	0	30	
2017/18-4	Lab	method blank	4/2/2018	Pesticide	4,4'-DDD	n/a	<	0.003	µg/L	EPA 608	0.003	0.05			
2017/18-4	Lab	LCS	4/2/2018	Pesticide	4,4'-DDD	n/a	=	0.107	µg/L	EPA 608	0.003	0.05			
2017/18-4	Lab	LCS, rec	4/2/2018	Pesticide	4,4'-DDD	n/a	=	107	%	EPA 608	-88	-88	42	133	
2017/18-4	Lab	method blank	4/6/2018	Pesticide	4,4'-DDD	n/a	<	0.003	µg/L	EPA 608	0.003	0.05			
2017/18-4	Lab	LCS	4/6/2018	Pesticide	4,4'-DDD	n/a	=	0.101	µg/L	EPA 608	0.003	0.05			
2017/18-4	Lab	LCS, rec	4/6/2018	Pesticide	4,4'-DDD	n/a	=	101	%	EPA 608	-88	-88	42	133	
2017/18-4	MO-HUE	matrix spike	4/2/2018	Pesticide	4,4'-DDD	n/a	DNQ	0.0687	µg/L	EPA 608	0.006	0.1			
2017/18-4	MO-HUE	matrix spike, rec	4/2/2018	Pesticide	4,4'-DDD	n/a	=	69	%	EPA 608	-88	-88	23	124	
2017/18-4	MO-HUE	matrix spike dup	4/2/2018	Pesticide	4,4'-DDD	n/a	DNQ	0.0694	µg/L	EPA 608	0.006	0.1			
2017/18-4	MO-HUE	matrix spike dup, rec	4/2/2018	Pesticide	4,4'-DDD	n/a	=	69	%	EPA 608	-88	-88	23	124	
2017/18-4	MO-HUE	matrix spike, RPD	4/2/2018	Pesticide	4,4'-DDD	n/a	=	1	%	EPA 608	-88	-88	0	30	
2017/18-4	000NONPJ	matrix spike	4/2/2018	Pesticide	4,4'-DDE	n/a	DNQ	0.0492	µg/L	EPA 608	0.005	0.1			
2017/18-4	000NONPJ	matrix spike, rec	4/2/2018	Pesticide	4,4'-DDE	n/a	=	49	%	EPA 608	-88	-88	30	114	
2017/18-4	000NONPJ	matrix spike dup	4/2/2018	Pesticide	4,4'-DDE	n/a	DNQ	0.0502	µg/L	EPA 608	0.005	0.1			
2017/18-4	000NONPJ	matrix spike dup, rec	4/2/2018	Pesticide	4,4'-DDE	n/a	=	50	%	EPA 608	-88	-88	30	114	
2017/18-4	000NONPJ	matrix spike, RPD	4/2/2018	Pesticide	4,4'-DDE	n/a	=	2	%	EPA 608	-88	-88	0	30	
2017/18-4	Lab	method blank	4/2/2018	Pesticide	4,4'-DDE	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.05			
2017/18-4	Lab	LCS	4/2/2018	Pesticide	4,4'-DDE	n/a	=	0.0992	µg/L	EPA 608	0.0025	0.05			
2017/18-4	Lab	LCS, rec	4/2/2018	Pesticide	4,4'-DDE	n/a	=	99	%	EPA 608	-88	-88	33	126	
2017/18-4	Lab	method blank	4/6/2018	Pesticide	4,4'-DDE	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.05			
2017/18-4	Lab	LCS	4/6/2018	Pesticide	4,4'-DDE	n/a	=	0.0937	µg/L	EPA 608	0.0025	0.05			
2017/18-4	Lab	LCS, rec	4/6/2018	Pesticide	4,4'-DDE	n/a	=	94	%	EPA 608	-88	-88	33	126	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-4	MO-HUE	matrix spike	4/2/2018	Pesticide	4,4'-DDE	n/a	DNQ	0.0583	µg/L	EPA 608	0.005	0.1			
2017/18-4	MO-HUE	matrix spike, rec	4/2/2018	Pesticide	4,4'-DDE	n/a	=	58	%	EPA 608	-88	-88	30	114	
2017/18-4	MO-HUE	matrix spike dup	4/2/2018	Pesticide	4,4'-DDE	n/a	DNQ	0.059	µg/L	EPA 608	0.005	0.1			
2017/18-4	MO-HUE	matrix spike dup, rec	4/2/2018	Pesticide	4,4'-DDE	n/a	=	59	%	EPA 608	-88	-88	30	114	
2017/18-4	MO-HUE	matrix spike, RPD	4/2/2018	Pesticide	4,4'-DDE	n/a	=	1	%	EPA 608	-88	-88	0	30	
2017/18-4	000NONPJ	matrix spike	4/2/2018	Pesticide	4,4'-DDT	n/a	=	0.0545	µg/L	EPA 608	0.0062	0.02			
2017/18-4	000NONPJ	matrix spike, rec	4/2/2018	Pesticide	4,4'-DDT	n/a	=	54	%	EPA 608	-88	-88	11	151	
2017/18-4	000NONPJ	matrix spike dup	4/2/2018	Pesticide	4,4'-DDT	n/a	=	0.0576	µg/L	EPA 608	0.0062	0.02			
2017/18-4	000NONPJ	matrix spike dup, rec	4/2/2018	Pesticide	4,4'-DDT	n/a	=	58	%	EPA 608	-88	-88	11	151	
2017/18-4	000NONPJ	matrix spike, RPD	4/2/2018	Pesticide	4,4'-DDT	n/a	=	6	%	EPA 608	-88	-88	0	30	
2017/18-4	Lab	method blank	4/2/2018	Pesticide	4,4'-DDT	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.01			
2017/18-4	Lab	LCS	4/2/2018	Pesticide	4,4'-DDT	n/a	=	0.116	µg/L	EPA 608	0.0031	0.01			
2017/18-4	Lab	LCS, rec	4/2/2018	Pesticide	4,4'-DDT	n/a	=	116	%	EPA 608	-88	-88	35	147	
2017/18-4	Lab	method blank	4/6/2018	Pesticide	4,4'-DDT	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.01			
2017/18-4	Lab	LCS	4/6/2018	Pesticide	4,4'-DDT	n/a	=	0.107	µg/L	EPA 608	0.0031	0.01			
2017/18-4	Lab	LCS, rec	4/6/2018	Pesticide	4,4'-DDT	n/a	=	107	%	EPA 608	-88	-88	35	147	
2017/18-4	MO-HUE	matrix spike	4/2/2018	Pesticide	4,4'-DDT	n/a	=	0.0574	µg/L	EPA 608	0.0062	0.02			
2017/18-4	MO-HUE	matrix spike, rec	4/2/2018	Pesticide	4,4'-DDT	n/a	=	57	%	EPA 608	-88	-88	11	151	
2017/18-4	MO-HUE	matrix spike dup	4/2/2018	Pesticide	4,4'-DDT	n/a	=	0.0518	µg/L	EPA 608	0.0062	0.02			
2017/18-4	MO-HUE	matrix spike dup, rec	4/2/2018	Pesticide	4,4'-DDT	n/a	=	52	%	EPA 608	-88	-88	11	151	
2017/18-4	MO-HUE	matrix spike, RPD	4/2/2018	Pesticide	4,4'-DDT	n/a	=	10	%	EPA 608	-88	-88	0	30	
2017/18-4	000NONPJ	matrix spike	3/26/2018	Pesticide	Acifluorfen	n/a	=	4.22	µg/L	EPA 515.3	0.06	0.4			
2017/18-4	000NONPJ	matrix spike, rec	3/26/2018	Pesticide	Acifluorfen	n/a	=	106	%	EPA 515.3	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike dup	3/26/2018	Pesticide	Acifluorfen	n/a	=	4.12	µg/L	EPA 515.3	0.06	0.4			
2017/18-4	000NONPJ	matrix spike dup, rec	3/26/2018	Pesticide	Acifluorfen	n/a	=	103	%	EPA 515.3	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike, RPD	3/26/2018	Pesticide	Acifluorfen	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2017/18-4	Lab	method blank	3/26/2018	Pesticide	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4			
2017/18-4	Lab	LCS	3/26/2018	Pesticide	Acifluorfen	n/a	=	4.76	µg/L	EPA 515.3	0.06	0.4			
2017/18-4	Lab	LCS, rec	3/26/2018	Pesticide	Acifluorfen	n/a	=	119	%	EPA 515.3	-88	-88	70	130	
2017/18-4	Lab	method blank	4/4/2018	Pesticide	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1			
2017/18-4	Lab	LCS	4/4/2018	Pesticide	Alachlor	n/a	=	5.03	µg/L	EPA 525.2	0.022	0.1			
2017/18-4	Lab	LCS, rec	4/4/2018	Pesticide	Alachlor	n/a	=	101	%	EPA 525.2	-88	-88	70	130	
2017/18-4	Lab	LCS dup	4/4/2018	Pesticide	Alachlor	n/a	=	5.22	µg/L	EPA 525.2	0.022	0.1			
2017/18-4	Lab	LCS dup, rec	4/4/2018	Pesticide	Alachlor	n/a	=	104	%	EPA 525.2	-88	-88	70	130	
2017/18-4	Lab	LCS, RPD	4/4/2018	Pesticide	Alachlor	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2017/18-4	000NONPJ	matrix spike	4/2/2018	Pesticide	Aldrin	n/a	=	0.0464	µg/L	EPA 608	0.003	0.01			
2017/18-4	000NONPJ	matrix spike, rec	4/2/2018	Pesticide	Aldrin	n/a	=	46	%	EPA 608	-88	-88	18	110	
2017/18-4	000NONPJ	matrix spike dup	4/2/2018	Pesticide	Aldrin	n/a	=	0.0486	µg/L	EPA 608	0.003	0.01			
2017/18-4	000NONPJ	matrix spike dup, rec	4/2/2018	Pesticide	Aldrin	n/a	=	49	%	EPA 608	-88	-88	18	110	
2017/18-4	000NONPJ	matrix spike, RPD	4/2/2018	Pesticide	Aldrin	n/a	=	5	%	EPA 608	-88	-88	0	30	
2017/18-4	Lab	method blank	4/2/2018	Pesticide	Aldrin	n/a	<	0.0015	µg/L	EPA 608	0.0015	0.005			
2017/18-4	Lab	LCS	4/2/2018	Pesticide	Aldrin	n/a	=	0.0905	µg/L	EPA 608	0.0015	0.005			
2017/18-4	Lab	LCS, rec	4/2/2018	Pesticide	Aldrin	n/a	=	90	%	EPA 608	-88	-88	18	117	
2017/18-4	Lab	method blank	4/6/2018	Pesticide	Aldrin	n/a	<	0.0015	µg/L	EPA 608	0.0015	0.005			
2017/18-4	Lab	LCS	4/6/2018	Pesticide	Aldrin	n/a	=	0.0887	µg/L	EPA 608	0.0015	0.005			
2017/18-4	Lab	LCS, rec	4/6/2018	Pesticide	Aldrin	n/a	=	89	%	EPA 608	-88	-88	18	117	
2017/18-4	MO-HUE	matrix spike	4/2/2018	Pesticide	Aldrin	n/a	=	0.056	µg/L	EPA 608	0.003	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-4	MO-HUE	matrix spike, rec	4/2/2018	Pesticide	Aldrin	n/a	=	56	%	EPA 608	-88	-88	18	110	
2017/18-4	MO-HUE	matrix spike dup	4/2/2018	Pesticide	Aldrin	n/a	=	0.0495	µg/L	EPA 608	0.003	0.01			
2017/18-4	MO-HUE	matrix spike dup, rec	4/2/2018	Pesticide	Aldrin	n/a	=	49	%	EPA 608	-88	-88	18	110	
2017/18-4	MO-HUE	matrix spike, RPD	4/2/2018	Pesticide	Aldrin	n/a	=	12	%	EPA 608	-88	-88	0	30	
2017/18-4	000NONPJ	matrix spike	4/2/2018	Pesticide	alpha-BHC	n/a	=	0.0486	µg/L	EPA 608	0.0036	0.02			
2017/18-4	000NONPJ	matrix spike, rec	4/2/2018	Pesticide	alpha-BHC	n/a	=	49	%	EPA 608	-88	-88	43	114	
2017/18-4	000NONPJ	matrix spike dup	4/2/2018	Pesticide	alpha-BHC	n/a	=	0.0476	µg/L	EPA 608	0.0036	0.02			
2017/18-4	000NONPJ	matrix spike dup, rec	4/2/2018	Pesticide	alpha-BHC	n/a	=	48	%	EPA 608	-88	-88	43	114	
2017/18-4	000NONPJ	matrix spike, RPD	4/2/2018	Pesticide	alpha-BHC	n/a	=	2	%	EPA 608	-88	-88	0	30	
2017/18-4	Lab	method blank	4/2/2018	Pesticide	alpha-BHC	n/a	<	0.0018	µg/L	EPA 608	0.0018	0.01			
2017/18-4	Lab	LCS	4/2/2018	Pesticide	alpha-BHC	n/a	=	0.093	µg/L	EPA 608	0.0018	0.01			
2017/18-4	Lab	LCS, rec	4/2/2018	Pesticide	alpha-BHC	n/a	=	93	%	EPA 608	-88	-88	47	119	
2017/18-4	Lab	method blank	4/6/2018	Pesticide	alpha-BHC	n/a	<	0.0018	µg/L	EPA 608	0.0018	0.01			
2017/18-4	Lab	LCS	4/6/2018	Pesticide	alpha-BHC	n/a	=	0.0936	µg/L	EPA 608	0.0018	0.01			
2017/18-4	Lab	LCS, rec	4/6/2018	Pesticide	alpha-BHC	n/a	=	94	%	EPA 608	-88	-88	47	119	
2017/18-4	MO-HUE	matrix spike	4/2/2018	Pesticide	alpha-BHC	n/a	=	0.057	µg/L	EPA 608	0.0036	0.02			
2017/18-4	MO-HUE	matrix spike, rec	4/2/2018	Pesticide	alpha-BHC	n/a	=	57	%	EPA 608	-88	-88	43	114	
2017/18-4	MO-HUE	matrix spike dup	4/2/2018	Pesticide	alpha-BHC	n/a	=	0.0565	µg/L	EPA 608	0.0036	0.02			
2017/18-4	MO-HUE	matrix spike dup, rec	4/2/2018	Pesticide	alpha-BHC	n/a	=	56	%	EPA 608	-88	-88	43	114	
2017/18-4	MO-HUE	matrix spike, RPD	4/2/2018	Pesticide	alpha-BHC	n/a	=	1	%	EPA 608	-88	-88	0	30	
2017/18-4	Lab	method blank	4/4/2018	Pesticide	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1			
2017/18-4	Lab	LCS	4/4/2018	Pesticide	Atrazine	n/a	=	5.12	µg/L	EPA 525.2	0.034	0.1			
2017/18-4	Lab	LCS, rec	4/4/2018	Pesticide	Atrazine	n/a	=	102	%	EPA 525.2	-88	-88	70	130	
2017/18-4	Lab	LCS dup	4/4/2018	Pesticide	Atrazine	n/a	=	5.3	µg/L	EPA 525.2	0.034	0.1			
2017/18-4	Lab	LCS dup, rec	4/4/2018	Pesticide	Atrazine	n/a	=	106	%	EPA 525.2	-88	-88	70	130	
2017/18-4	Lab	LCS, RPD	4/4/2018	Pesticide	Atrazine	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2017/18-4	000NONPJ	matrix spike	3/30/2018	Pesticide	Azinphos methyl	n/a	=	0.0944	µg/L	EPA 525.2m	0.0055	0.01			GB
2017/18-4	000NONPJ	matrix spike, rec	3/30/2018	Pesticide	Azinphos methyl	n/a	=	189	%	EPA 525.2m	-88	-88	0.1	154	GB
2017/18-4	000NONPJ	matrix spike dup	3/30/2018	Pesticide	Azinphos methyl	n/a	=	0.0876	µg/L	EPA 525.2m	0.0055	0.01			GB
2017/18-4	000NONPJ	matrix spike dup, rec	3/30/2018	Pesticide	Azinphos methyl	n/a	=	175	%	EPA 525.2m	-88	-88	0.1	154	GB
2017/18-4	000NONPJ	matrix spike, RPD	3/30/2018	Pesticide	Azinphos methyl	n/a	=	8	%	EPA 525.2m	-88	-88	0	30	
2017/18-4	Lab	method blank	3/30/2018	Pesticide	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01			
2017/18-4	Lab	LCS	3/30/2018	Pesticide	Azinphos methyl	n/a	=	0.0571	µg/L	EPA 525.2m	0.0055	0.01			
2017/18-4	Lab	LCS, rec	3/30/2018	Pesticide	Azinphos methyl	n/a	=	114	%	EPA 525.2m	-88	-88	0.1	188	
2017/18-4	MO-HUE	matrix spike	3/30/2018	Pesticide	Azinphos methyl	n/a	=	0.0785	µg/L	EPA 525.2m	0.0055	0.01			GB
2017/18-4	MO-HUE	matrix spike, rec	3/30/2018	Pesticide	Azinphos methyl	n/a	=	157	%	EPA 525.2m	-88	-88	0.1	154	GB
2017/18-4	MO-HUE	matrix spike dup	3/30/2018	Pesticide	Azinphos methyl	n/a	=	0.0801	µg/L	EPA 525.2m	0.0055	0.01			GB
2017/18-4	MO-HUE	matrix spike dup, rec	3/30/2018	Pesticide	Azinphos methyl	n/a	=	160	%	EPA 525.2m	-88	-88	0.1	154	GB
2017/18-4	MO-HUE	matrix spike, RPD	3/30/2018	Pesticide	Azinphos methyl	n/a	=	2	%	EPA 525.2m	-88	-88	0	30	
2017/18-4	000NONPJ	matrix spike	3/26/2018	Pesticide	Bentazon	n/a	=	17.2	µg/L	EPA 515.3	0.11	2			
2017/18-4	000NONPJ	matrix spike, rec	3/26/2018	Pesticide	Bentazon	n/a	=	108	%	EPA 515.3	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike dup	3/26/2018	Pesticide	Bentazon	n/a	=	16.1	µg/L	EPA 515.3	0.11	2			
2017/18-4	000NONPJ	matrix spike dup, rec	3/26/2018	Pesticide	Bentazon	n/a	=	101	%	EPA 515.3	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike, RPD	3/26/2018	Pesticide	Bentazon	n/a	=	7	%	EPA 515.3	-88	-88	0	30	
2017/18-4	Lab	method blank	3/26/2018	Pesticide	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2			
2017/18-4	Lab	LCS	3/26/2018	Pesticide	Bentazon	n/a	=	19	µg/L	EPA 515.3	0.11	2			
2017/18-4	Lab	LCS, rec	3/26/2018	Pesticide	Bentazon	n/a	=	119	%	EPA 515.3	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-4	000NONPJ	matrix spike	4/2/2018	Pesticide	beta-BHC	n/a	=	0.0452	µg/L	EPA 608	0.0062	0.01			
2017/18-4	000NONPJ	matrix spike, rec	4/2/2018	Pesticide	beta-BHC	n/a	=	45	%	EPA 608	-88	-88	24	135	
2017/18-4	000NONPJ	matrix spike dup	4/2/2018	Pesticide	beta-BHC	n/a	=	0.0487	µg/L	EPA 608	0.0062	0.01			
2017/18-4	000NONPJ	matrix spike dup, rec	4/2/2018	Pesticide	beta-BHC	n/a	=	49	%	EPA 608	-88	-88	24	135	
2017/18-4	000NONPJ	matrix spike, RPD	4/2/2018	Pesticide	beta-BHC	n/a	=	8	%	EPA 608	-88	-88	0	30	
2017/18-4	Lab	method blank	4/2/2018	Pesticide	beta-BHC	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.005			
2017/18-4	Lab	LCS	4/2/2018	Pesticide	beta-BHC	n/a	=	0.108	µg/L	EPA 608	0.0031	0.005			
2017/18-4	Lab	LCS, rec	4/2/2018	Pesticide	beta-BHC	n/a	=	108	%	EPA 608	-88	-88	53	123	
2017/18-4	Lab	method blank	4/6/2018	Pesticide	beta-BHC	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.005			
2017/18-4	Lab	LCS	4/6/2018	Pesticide	beta-BHC	n/a	=	0.104	µg/L	EPA 608	0.0031	0.005			
2017/18-4	Lab	LCS, rec	4/6/2018	Pesticide	beta-BHC	n/a	=	104	%	EPA 608	-88	-88	53	123	
2017/18-4	MO-HUE	matrix spike	4/2/2018	Pesticide	beta-BHC	n/a	=	0.0592	µg/L	EPA 608	0.0062	0.01			
2017/18-4	MO-HUE	matrix spike, rec	4/2/2018	Pesticide	beta-BHC	n/a	=	59	%	EPA 608	-88	-88	24	135	
2017/18-4	MO-HUE	matrix spike dup	4/2/2018	Pesticide	beta-BHC	n/a	=	0.0626	µg/L	EPA 608	0.0062	0.01			
2017/18-4	MO-HUE	matrix spike dup, rec	4/2/2018	Pesticide	beta-BHC	n/a	=	63	%	EPA 608	-88	-88	24	135	
2017/18-4	MO-HUE	matrix spike, RPD	4/2/2018	Pesticide	beta-BHC	n/a	=	6	%	EPA 608	-88	-88	0	30	
2017/18-4	000NONPJ	matrix spike	3/30/2018	Pesticide	Bolstar	n/a	=	0.0728	µg/L	EPA 525.2m	0.0046	0.01			
2017/18-4	000NONPJ	matrix spike, rec	3/30/2018	Pesticide	Bolstar	n/a	=	146	%	EPA 525.2m	-88	-88	4	184	
2017/18-4	000NONPJ	matrix spike dup	3/30/2018	Pesticide	Bolstar	n/a	=	0.0625	µg/L	EPA 525.2m	0.0046	0.01			
2017/18-4	000NONPJ	matrix spike dup, rec	3/30/2018	Pesticide	Bolstar	n/a	=	125	%	EPA 525.2m	-88	-88	4	184	
2017/18-4	000NONPJ	matrix spike, RPD	3/30/2018	Pesticide	Bolstar	n/a	=	15	%	EPA 525.2m	-88	-88	0	30	
2017/18-4	Lab	method blank	3/30/2018	Pesticide	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01			
2017/18-4	Lab	LCS	3/30/2018	Pesticide	Bolstar	n/a	=	0.0358	µg/L	EPA 525.2m	0.0046	0.01			
2017/18-4	Lab	LCS, rec	3/30/2018	Pesticide	Bolstar	n/a	=	72	%	EPA 525.2m	-88	-88	11	166	
2017/18-4	MO-HUE	matrix spike	3/30/2018	Pesticide	Bolstar	n/a	=	0.0433	µg/L	EPA 525.2m	0.0046	0.01			
2017/18-4	MO-HUE	matrix spike, rec	3/30/2018	Pesticide	Bolstar	n/a	=	87	%	EPA 525.2m	-88	-88	4	184	
2017/18-4	MO-HUE	matrix spike dup	3/30/2018	Pesticide	Bolstar	n/a	=	0.0452	µg/L	EPA 525.2m	0.0046	0.01			
2017/18-4	MO-HUE	matrix spike dup, rec	3/30/2018	Pesticide	Bolstar	n/a	=	90	%	EPA 525.2m	-88	-88	4	184	
2017/18-4	MO-HUE	matrix spike, RPD	3/30/2018	Pesticide	Bolstar	n/a	=	4	%	EPA 525.2m	-88	-88	0	30	
2017/18-4	Lab	method blank	4/4/2018	Pesticide	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1			
2017/18-4	Lab	LCS	4/4/2018	Pesticide	Bromacil	n/a	=	5.31	µg/L	EPA 525.2	0.038	1			
2017/18-4	Lab	LCS, rec	4/4/2018	Pesticide	Bromacil	n/a	=	106	%	EPA 525.2	-88	-88	70	130	
2017/18-4	Lab	LCS dup	4/4/2018	Pesticide	Bromacil	n/a	=	5.47	µg/L	EPA 525.2	0.038	1			
2017/18-4	Lab	LCS dup, rec	4/4/2018	Pesticide	Bromacil	n/a	=	109	%	EPA 525.2	-88	-88	70	130	
2017/18-4	Lab	LCS, RPD	4/4/2018	Pesticide	Bromacil	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2017/18-4	Lab	method blank	4/4/2018	Pesticide	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2			
2017/18-4	Lab	LCS	4/4/2018	Pesticide	Butachlor	n/a	=	5.15	µg/L	EPA 525.2	0.017	0.2			
2017/18-4	Lab	LCS, rec	4/4/2018	Pesticide	Butachlor	n/a	=	103	%	EPA 525.2	-88	-88	70	130	
2017/18-4	Lab	LCS dup	4/4/2018	Pesticide	Butachlor	n/a	=	5.38	µg/L	EPA 525.2	0.017	0.2			
2017/18-4	Lab	LCS dup, rec	4/4/2018	Pesticide	Butachlor	n/a	=	108	%	EPA 525.2	-88	-88	70	130	
2017/18-4	Lab	LCS, RPD	4/4/2018	Pesticide	Butachlor	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2017/18-4	Lab	method blank	4/4/2018	Pesticide	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1			
2017/18-4	Lab	LCS	4/4/2018	Pesticide	Captan	n/a	=	4.49	µg/L	EPA 525.2	0.86	1			
2017/18-4	Lab	LCS, rec	4/4/2018	Pesticide	Captan	n/a	=	90	%	EPA 525.2	-88	-88	70	130	
2017/18-4	Lab	LCS dup	4/4/2018	Pesticide	Captan	n/a	=	4.41	µg/L	EPA 525.2	0.86	1			
2017/18-4	Lab	LCS dup, rec	4/4/2018	Pesticide	Captan	n/a	=	88	%	EPA 525.2	-88	-88	70	130	
2017/18-4	Lab	LCS, RPD	4/4/2018	Pesticide	Captan	n/a	=	2	%	EPA 525.2	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-4	Lab	method blank	4/4/2018	Pesticide	Chloropropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1			
2017/18-4	Lab	LCS	4/4/2018	Pesticide	Chloropropham	n/a	=	5.62	µg/L	EPA 525.2	0.01	0.1			
2017/18-4	Lab	LCS, rec	4/4/2018	Pesticide	Chloropropham	n/a	=	112	%	EPA 525.2	-88	-88	70	130	
2017/18-4	Lab	LCS dup	4/4/2018	Pesticide	Chloropropham	n/a	=	5.57	µg/L	EPA 525.2	0.01	0.1			
2017/18-4	Lab	LCS dup, rec	4/4/2018	Pesticide	Chloropropham	n/a	=	111	%	EPA 525.2	-88	-88	70	130	
2017/18-4	Lab	LCS, RPD	4/4/2018	Pesticide	Chloropropham	n/a	=	1	%	EPA 525.2	-88	-88	0	30	
2017/18-4	000NONPJ	matrix spike	3/30/2018	Pesticide	Chlorpyrifos	n/a	=	0.0723	µg/L	EPA 525.2m	0.0069	0.01			
2017/18-4	000NONPJ	matrix spike, rec	3/30/2018	Pesticide	Chlorpyrifos	n/a	=	145	%	EPA 525.2m	-88	-88	37	168	
2017/18-4	000NONPJ	matrix spike dup	3/30/2018	Pesticide	Chlorpyrifos	n/a	=	0.0719	µg/L	EPA 525.2m	0.0069	0.01			
2017/18-4	000NONPJ	matrix spike dup, rec	3/30/2018	Pesticide	Chlorpyrifos	n/a	=	144	%	EPA 525.2m	-88	-88	37	168	
2017/18-4	000NONPJ	matrix spike, RPD	3/30/2018	Pesticide	Chlorpyrifos	n/a	=	0.6	%	EPA 525.2m	-88	-88	0	30	
2017/18-4	Lab	method blank	3/30/2018	Pesticide	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01			
2017/18-4	Lab	LCS	3/30/2018	Pesticide	Chlorpyrifos	n/a	=	0.041	µg/L	EPA 525.2m	0.0069	0.01			
2017/18-4	Lab	LCS, rec	3/30/2018	Pesticide	Chlorpyrifos	n/a	=	82	%	EPA 525.2m	-88	-88	37	169	
2017/18-4	MO-HUE	matrix spike	3/30/2018	Pesticide	Chlorpyrifos	n/a	=	0.0622	µg/L	EPA 525.2m	0.0069	0.01			
2017/18-4	MO-HUE	matrix spike, rec	3/30/2018	Pesticide	Chlorpyrifos	n/a	=	124	%	EPA 525.2m	-88	-88	37	168	
2017/18-4	MO-HUE	matrix spike dup	3/30/2018	Pesticide	Chlorpyrifos	n/a	=	0.0759	µg/L	EPA 525.2m	0.0069	0.01			
2017/18-4	MO-HUE	matrix spike dup, rec	3/30/2018	Pesticide	Chlorpyrifos	n/a	=	152	%	EPA 525.2m	-88	-88	37	168	
2017/18-4	MO-HUE	matrix spike, RPD	3/30/2018	Pesticide	Chlorpyrifos	n/a	=	20	%	EPA 525.2m	-88	-88	0	30	
2017/18-4	000NONPJ	matrix spike	3/30/2018	Pesticide	Coumaphos	n/a	=	0.085	µg/L	EPA 525.2m	0.0051	0.01			
2017/18-4	000NONPJ	matrix spike, rec	3/30/2018	Pesticide	Coumaphos	n/a	=	170	%	EPA 525.2m	-88	-88	0.1	203	
2017/18-4	000NONPJ	matrix spike dup	3/30/2018	Pesticide	Coumaphos	n/a	=	0.0755	µg/L	EPA 525.2m	0.0051	0.01			
2017/18-4	000NONPJ	matrix spike dup, rec	3/30/2018	Pesticide	Coumaphos	n/a	=	151	%	EPA 525.2m	-88	-88	0.1	203	
2017/18-4	000NONPJ	matrix spike, RPD	3/30/2018	Pesticide	Coumaphos	n/a	=	12	%	EPA 525.2m	-88	-88	0	30	
2017/18-4	Lab	method blank	3/30/2018	Pesticide	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01			
2017/18-4	Lab	LCS	3/30/2018	Pesticide	Coumaphos	n/a	=	0.0493	µg/L	EPA 525.2m	0.0051	0.01			
2017/18-4	Lab	LCS, rec	3/30/2018	Pesticide	Coumaphos	n/a	=	99	%	EPA 525.2m	-88	-88	0.1	225	
2017/18-4	MO-HUE	matrix spike	3/30/2018	Pesticide	Coumaphos	n/a	=	0.0676	µg/L	EPA 525.2m	0.0051	0.01			
2017/18-4	MO-HUE	matrix spike, rec	3/30/2018	Pesticide	Coumaphos	n/a	=	135	%	EPA 525.2m	-88	-88	0.1	203	
2017/18-4	MO-HUE	matrix spike dup	3/30/2018	Pesticide	Coumaphos	n/a	=	0.0692	µg/L	EPA 525.2m	0.0051	0.01			
2017/18-4	MO-HUE	matrix spike dup, rec	3/30/2018	Pesticide	Coumaphos	n/a	=	138	%	EPA 525.2m	-88	-88	0.1	203	
2017/18-4	MO-HUE	matrix spike, RPD	3/30/2018	Pesticide	Coumaphos	n/a	=	2	%	EPA 525.2m	-88	-88	0	30	
2017/18-4	Lab	method blank	4/4/2018	Pesticide	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2017/18-4	Lab	LCS	4/4/2018	Pesticide	Cyanazine	n/a	=	5.65	µg/L	EPA 525.2	0.024	0.1			
2017/18-4	Lab	LCS, rec	4/4/2018	Pesticide	Cyanazine	n/a	=	113	%	EPA 525.2	-88	-88	70	130	
2017/18-4	Lab	LCS dup	4/4/2018	Pesticide	Cyanazine	n/a	=	5.45	µg/L	EPA 525.2	0.024	0.1			
2017/18-4	Lab	LCS dup, rec	4/4/2018	Pesticide	Cyanazine	n/a	=	109	%	EPA 525.2	-88	-88	70	130	
2017/18-4	Lab	LCS, RPD	4/4/2018	Pesticide	Cyanazine	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2017/18-4	000NONPJ	matrix spike	3/26/2018	Pesticide	Dalapon	n/a	=	7.8	µg/L	EPA 515.3	0.1	0.4			
2017/18-4	000NONPJ	matrix spike, rec	3/26/2018	Pesticide	Dalapon	n/a	=	97	%	EPA 515.3	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike dup	3/26/2018	Pesticide	Dalapon	n/a	=	7.3	µg/L	EPA 515.3	0.1	0.4			
2017/18-4	000NONPJ	matrix spike dup, rec	3/26/2018	Pesticide	Dalapon	n/a	=	91	%	EPA 515.3	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike, RPD	3/26/2018	Pesticide	Dalapon	n/a	=	7	%	EPA 515.3	-88	-88	0	30	
2017/18-4	Lab	method blank	3/26/2018	Pesticide	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4			
2017/18-4	Lab	LCS	3/26/2018	Pesticide	Dalapon	n/a	=	8.76	µg/L	EPA 515.3	0.1	0.4			
2017/18-4	Lab	LCS, rec	3/26/2018	Pesticide	Dalapon	n/a	=	109	%	EPA 515.3	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike	3/26/2018	Pesticide	DCPA (Dacthal)	n/a	=	4.32	µg/L	EPA 515.3	0.07	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-4	000NONPJ	matrix spike, rec	3/26/2018	Pesticide	DCPA (Dacthal)	n/a	=	108	%	EPA 515.3	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike dup	3/26/2018	Pesticide	DCPA (Dacthal)	n/a	=	4.06	µg/L	EPA 515.3	0.07	0.1			
2017/18-4	000NONPJ	matrix spike dup, rec	3/26/2018	Pesticide	DCPA (Dacthal)	n/a	=	101	%	EPA 515.3	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike, RPD	3/26/2018	Pesticide	DCPA (Dacthal)	n/a	=	6	%	EPA 515.3	-88	-88	0	30	
2017/18-4	Lab	method blank	3/26/2018	Pesticide	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1			
2017/18-4	Lab	LCS	3/26/2018	Pesticide	DCPA (Dacthal)	n/a	=	4.78	µg/L	EPA 515.3	0.07	0.1			
2017/18-4	Lab	LCS, rec	3/26/2018	Pesticide	DCPA (Dacthal)	n/a	=	120	%	EPA 515.3	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike	4/2/2018	Pesticide	delta-BHC	n/a	=	0.0476	µg/L	EPA 608	0.005	0.01			
2017/18-4	000NONPJ	matrix spike, rec	4/2/2018	Pesticide	delta-BHC	n/a	=	48	%	EPA 608	-88	-88	37	122	
2017/18-4	000NONPJ	matrix spike dup	4/2/2018	Pesticide	delta-BHC	n/a	=	0.0495	µg/L	EPA 608	0.005	0.01			
2017/18-4	000NONPJ	matrix spike dup, rec	4/2/2018	Pesticide	delta-BHC	n/a	=	49	%	EPA 608	-88	-88	37	122	
2017/18-4	000NONPJ	matrix spike, RPD	4/2/2018	Pesticide	delta-BHC	n/a	=	4	%	EPA 608	-88	-88	0	30	
2017/18-4	Lab	method blank	4/2/2018	Pesticide	delta-BHC	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.005			
2017/18-4	Lab	LCS	4/2/2018	Pesticide	delta-BHC	n/a	=	0.109	µg/L	EPA 608	0.0025	0.005			
2017/18-4	Lab	LCS, rec	4/2/2018	Pesticide	delta-BHC	n/a	=	109	%	EPA 608	-88	-88	51	123	
2017/18-4	Lab	method blank	4/6/2018	Pesticide	delta-BHC	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.005			
2017/18-4	Lab	LCS	4/6/2018	Pesticide	delta-BHC	n/a	=	0.105	µg/L	EPA 608	0.0025	0.005			
2017/18-4	Lab	LCS, rec	4/6/2018	Pesticide	delta-BHC	n/a	=	105	%	EPA 608	-88	-88	51	123	
2017/18-4	MO-HUE	matrix spike	4/2/2018	Pesticide	delta-BHC	n/a	=	0.0675	µg/L	EPA 608	0.005	0.01			
2017/18-4	MO-HUE	matrix spike, rec	4/2/2018	Pesticide	delta-BHC	n/a	=	68	%	EPA 608	-88	-88	37	122	
2017/18-4	MO-HUE	matrix spike dup	4/2/2018	Pesticide	delta-BHC	n/a	=	0.0693	µg/L	EPA 608	0.005	0.01			
2017/18-4	MO-HUE	matrix spike dup, rec	4/2/2018	Pesticide	delta-BHC	n/a	=	69	%	EPA 608	-88	-88	37	122	
2017/18-4	MO-HUE	matrix spike, RPD	4/2/2018	Pesticide	delta-BHC	n/a	=	3	%	EPA 608	-88	-88	0	30	
2017/18-4	000NONPJ	matrix spike	3/30/2018	Pesticide	Demeton-O	n/a	=	0.0476	µg/L	EPA 525.2m	0.01	0.01			
2017/18-4	000NONPJ	matrix spike, rec	3/30/2018	Pesticide	Demeton-O	n/a	=	95	%	EPA 525.2m	-88	-88	0.1	208	
2017/18-4	000NONPJ	matrix spike dup	3/30/2018	Pesticide	Demeton-O	n/a	=	0.0573	µg/L	EPA 525.2m	0.01	0.01			
2017/18-4	000NONPJ	matrix spike dup, rec	3/30/2018	Pesticide	Demeton-O	n/a	=	115	%	EPA 525.2m	-88	-88	0.1	208	
2017/18-4	000NONPJ	matrix spike, RPD	3/30/2018	Pesticide	Demeton-O	n/a	=	19	%	EPA 525.2m	-88	-88	0	30	
2017/18-4	Lab	method blank	3/30/2018	Pesticide	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2017/18-4	Lab	LCS	3/30/2018	Pesticide	Demeton-O	n/a	=	0.0294	µg/L	EPA 525.2m	0.01	0.01			
2017/18-4	Lab	LCS, rec	3/30/2018	Pesticide	Demeton-O	n/a	=	59	%	EPA 525.2m	-88	-88	0.1	211	
2017/18-4	MO-HUE	matrix spike	3/30/2018	Pesticide	Demeton-O	n/a	=	0.0383	µg/L	EPA 525.2m	0.01	0.01			
2017/18-4	MO-HUE	matrix spike, rec	3/30/2018	Pesticide	Demeton-O	n/a	=	77	%	EPA 525.2m	-88	-88	0.1	208	
2017/18-4	MO-HUE	matrix spike dup	3/30/2018	Pesticide	Demeton-O	n/a	=	0.0352	µg/L	EPA 525.2m	0.01	0.01			
2017/18-4	MO-HUE	matrix spike dup, rec	3/30/2018	Pesticide	Demeton-O	n/a	=	70	%	EPA 525.2m	-88	-88	0.1	208	
2017/18-4	MO-HUE	matrix spike, RPD	3/30/2018	Pesticide	Demeton-O	n/a	=	9	%	EPA 525.2m	-88	-88	0	30	
2017/18-4	000NONPJ	matrix spike	3/30/2018	Pesticide	Demeton-S	n/a	=	0.0757	µg/L	EPA 525.2m	0.01	0.01			
2017/18-4	000NONPJ	matrix spike, rec	3/30/2018	Pesticide	Demeton-S	n/a	=	151	%	EPA 525.2m	-88	-88	0.1	207	
2017/18-4	000NONPJ	matrix spike dup	3/30/2018	Pesticide	Demeton-S	n/a	=	0.0779	µg/L	EPA 525.2m	0.01	0.01			
2017/18-4	000NONPJ	matrix spike dup, rec	3/30/2018	Pesticide	Demeton-S	n/a	=	156	%	EPA 525.2m	-88	-88	0.1	207	
2017/18-4	000NONPJ	matrix spike, RPD	3/30/2018	Pesticide	Demeton-S	n/a	=	3	%	EPA 525.2m	-88	-88	0	30	
2017/18-4	Lab	method blank	3/30/2018	Pesticide	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2017/18-4	Lab	LCS	3/30/2018	Pesticide	Demeton-S	n/a	=	0.0394	µg/L	EPA 525.2m	0.01	0.01			
2017/18-4	Lab	LCS, rec	3/30/2018	Pesticide	Demeton-S	n/a	=	79	%	EPA 525.2m	-88	-88	0.1	213	
2017/18-4	MO-HUE	matrix spike	3/30/2018	Pesticide	Demeton-S	n/a	=	0.0496	µg/L	EPA 525.2m	0.01	0.01			
2017/18-4	MO-HUE	matrix spike, rec	3/30/2018	Pesticide	Demeton-S	n/a	=	99	%	EPA 525.2m	-88	-88	0.1	207	
2017/18-4	MO-HUE	matrix spike dup	3/30/2018	Pesticide	Demeton-S	n/a	=	0.063	µg/L	EPA 525.2m	0.01	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-4	MO-HUE	matrix spike dup, rec	3/30/2018	Pesticide	Demeton-S	n/a	=	126	%	EPA 525.2m	-88	-88	0.1	207	
2017/18-4	MO-HUE	matrix spike, RPD	3/30/2018	Pesticide	Demeton-S	n/a	=	24	%	EPA 525.2m	-88	-88	0	30	
2017/18-4	000NONPJ	matrix spike	3/30/2018	Pesticide	Diazinon	n/a	=	0.0703	µg/L	EPA 525.2m	0.0052	0.01			
2017/18-4	000NONPJ	matrix spike, rec	3/30/2018	Pesticide	Diazinon	n/a	=	141	%	EPA 525.2m	-88	-88	36	153	
2017/18-4	000NONPJ	matrix spike dup	3/30/2018	Pesticide	Diazinon	n/a	=	0.0569	µg/L	EPA 525.2m	0.0052	0.01			
2017/18-4	000NONPJ	matrix spike dup, rec	3/30/2018	Pesticide	Diazinon	n/a	=	114	%	EPA 525.2m	-88	-88	36	153	
2017/18-4	000NONPJ	matrix spike, RPD	3/30/2018	Pesticide	Diazinon	n/a	=	21	%	EPA 525.2m	-88	-88	0	30	
2017/18-4	Lab	method blank	3/30/2018	Pesticide	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01			
2017/18-4	Lab	LCS	3/30/2018	Pesticide	Diazinon	n/a	=	0.0309	µg/L	EPA 525.2m	0.0052	0.01			
2017/18-4	Lab	LCS, rec	3/30/2018	Pesticide	Diazinon	n/a	=	62	%	EPA 525.2m	-88	-88	43	152	
2017/18-4	Lab	method blank	4/4/2018	Pesticide	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1			
2017/18-4	Lab	LCS	4/4/2018	Pesticide	Diazinon	n/a	=	4.4	µg/L	EPA 525.2	0.096	0.1			
2017/18-4	Lab	LCS, rec	4/4/2018	Pesticide	Diazinon	n/a	=	88	%	EPA 525.2	-88	-88	50	120	
2017/18-4	Lab	LCS dup	4/4/2018	Pesticide	Diazinon	n/a	=	4.41	µg/L	EPA 525.2	0.096	0.1			
2017/18-4	Lab	LCS dup, rec	4/4/2018	Pesticide	Diazinon	n/a	=	88	%	EPA 525.2	-88	-88	50	120	
2017/18-4	Lab	LCS, RPD	4/4/2018	Pesticide	Diazinon	n/a	=	0.2	%	EPA 525.2	-88	-88	0	30	
2017/18-4	MO-HUE	matrix spike	3/30/2018	Pesticide	Diazinon	n/a	=	0.0552	µg/L	EPA 525.2m	0.0052	0.01			
2017/18-4	MO-HUE	matrix spike, rec	3/30/2018	Pesticide	Diazinon	n/a	=	110	%	EPA 525.2m	-88	-88	36	153	
2017/18-4	MO-HUE	matrix spike dup	3/30/2018	Pesticide	Diazinon	n/a	=	0.0611	µg/L	EPA 525.2m	0.0052	0.01			
2017/18-4	MO-HUE	matrix spike dup, rec	3/30/2018	Pesticide	Diazinon	n/a	=	122	%	EPA 525.2m	-88	-88	36	153	
2017/18-4	MO-HUE	matrix spike, RPD	3/30/2018	Pesticide	Diazinon	n/a	=	10	%	EPA 525.2m	-88	-88	0	30	
2017/18-4	000NONPJ	matrix spike	3/26/2018	Pesticide	Dicamba	n/a	=	8.35	µg/L	EPA 515.3	0.12	0.6			
2017/18-4	000NONPJ	matrix spike, rec	3/26/2018	Pesticide	Dicamba	n/a	=	104	%	EPA 515.3	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike dup	3/26/2018	Pesticide	Dicamba	n/a	=	7.85	µg/L	EPA 515.3	0.12	0.6			
2017/18-4	000NONPJ	matrix spike dup, rec	3/26/2018	Pesticide	Dicamba	n/a	=	98	%	EPA 515.3	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike, RPD	3/26/2018	Pesticide	Dicamba	n/a	=	6	%	EPA 515.3	-88	-88	0	30	
2017/18-4	Lab	method blank	3/26/2018	Pesticide	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6			
2017/18-4	Lab	LCS	3/26/2018	Pesticide	Dicamba	n/a	=	9.17	µg/L	EPA 515.3	0.12	0.6			
2017/18-4	Lab	LCS, rec	3/26/2018	Pesticide	Dicamba	n/a	=	115	%	EPA 515.3	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike	3/26/2018	Pesticide	Dichlorprop	n/a	=	8.76	µg/L	EPA 515.3	0.08	0.3			
2017/18-4	000NONPJ	matrix spike, rec	3/26/2018	Pesticide	Dichlorprop	n/a	=	110	%	EPA 515.3	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike dup	3/26/2018	Pesticide	Dichlorprop	n/a	=	8.26	µg/L	EPA 515.3	0.08	0.3			
2017/18-4	000NONPJ	matrix spike dup, rec	3/26/2018	Pesticide	Dichlorprop	n/a	=	103	%	EPA 515.3	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike, RPD	3/26/2018	Pesticide	Dichlorprop	n/a	=	6	%	EPA 515.3	-88	-88	0	30	
2017/18-4	Lab	method blank	3/26/2018	Pesticide	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3			
2017/18-4	Lab	LCS	3/26/2018	Pesticide	Dichlorprop	n/a	=	9.91	µg/L	EPA 515.3	0.08	0.3			
2017/18-4	Lab	LCS, rec	3/26/2018	Pesticide	Dichlorprop	n/a	=	124	%	EPA 515.3	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike	3/30/2018	Pesticide	Dichlorvos	n/a	=	0.0552	µg/L	EPA 525.2m	0.0029	0.01			
2017/18-4	000NONPJ	matrix spike, rec	3/30/2018	Pesticide	Dichlorvos	n/a	=	110	%	EPA 525.2m	-88	-88	42	137	
2017/18-4	000NONPJ	matrix spike dup	3/30/2018	Pesticide	Dichlorvos	n/a	=	0.0519	µg/L	EPA 525.2m	0.0029	0.01			
2017/18-4	000NONPJ	matrix spike dup, rec	3/30/2018	Pesticide	Dichlorvos	n/a	=	104	%	EPA 525.2m	-88	-88	42	137	
2017/18-4	000NONPJ	matrix spike, RPD	3/30/2018	Pesticide	Dichlorvos	n/a	=	6	%	EPA 525.2m	-88	-88	0	30	
2017/18-4	Lab	method blank	3/30/2018	Pesticide	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01			
2017/18-4	Lab	LCS	3/30/2018	Pesticide	Dichlorvos	n/a	=	0.0317	µg/L	EPA 525.2m	0.0029	0.01			
2017/18-4	Lab	LCS, rec	3/30/2018	Pesticide	Dichlorvos	n/a	=	63	%	EPA 525.2m	-88	-88	46	133	
2017/18-4	MO-HUE	matrix spike	3/30/2018	Pesticide	Dichlorvos	n/a	=	0.0435	µg/L	EPA 525.2m	0.0029	0.01			
2017/18-4	MO-HUE	matrix spike, rec	3/30/2018	Pesticide	Dichlorvos	n/a	=	87	%	EPA 525.2m	-88	-88	42	137	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-4	MO-HUE	matrix spike dup	3/30/2018	Pesticide	Dichlorvos	n/a	=	0.049	µg/L	EPA 525.2m	0.0029	0.01			
2017/18-4	MO-HUE	matrix spike dup, rec	3/30/2018	Pesticide	Dichlorvos	n/a	=	98	%	EPA 525.2m	-88	-88	42	137	
2017/18-4	MO-HUE	matrix spike, RPD	3/30/2018	Pesticide	Dichlorvos	n/a	=	12	%	EPA 525.2m	-88	-88	0	30	
2017/18-4	000NONPJ	matrix spike	4/2/2018	Pesticide	Dieldrin	n/a	=	0.051	µg/L	EPA 608	0.0042	0.02			
2017/18-4	000NONPJ	matrix spike, rec	4/2/2018	Pesticide	Dieldrin	n/a	=	51	%	EPA 608	-88	-88	27	132	
2017/18-4	000NONPJ	matrix spike dup	4/2/2018	Pesticide	Dieldrin	n/a	=	0.0504	µg/L	EPA 608	0.0042	0.02			
2017/18-4	000NONPJ	matrix spike dup, rec	4/2/2018	Pesticide	Dieldrin	n/a	=	50	%	EPA 608	-88	-88	27	132	
2017/18-4	000NONPJ	matrix spike, RPD	4/2/2018	Pesticide	Dieldrin	n/a	=	1	%	EPA 608	-88	-88	0	30	
2017/18-4	Lab	method blank	4/2/2018	Pesticide	Dieldrin	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.01			
2017/18-4	Lab	LCS	4/2/2018	Pesticide	Dieldrin	n/a	=	0.0986	µg/L	EPA 608	0.0021	0.01			
2017/18-4	Lab	LCS, rec	4/2/2018	Pesticide	Dieldrin	n/a	=	99	%	EPA 608	-88	-88	48	123	
2017/18-4	Lab	method blank	4/6/2018	Pesticide	Dieldrin	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.01			
2017/18-4	Lab	LCS	4/6/2018	Pesticide	Dieldrin	n/a	=	0.095	µg/L	EPA 608	0.0021	0.01			
2017/18-4	Lab	LCS, rec	4/6/2018	Pesticide	Dieldrin	n/a	=	95	%	EPA 608	-88	-88	48	123	
2017/18-4	MO-HUE	matrix spike	4/2/2018	Pesticide	Dieldrin	n/a	=	0.0632	µg/L	EPA 608	0.0042	0.02			
2017/18-4	MO-HUE	matrix spike, rec	4/2/2018	Pesticide	Dieldrin	n/a	=	63	%	EPA 608	-88	-88	27	132	
2017/18-4	MO-HUE	matrix spike dup	4/2/2018	Pesticide	Dieldrin	n/a	=	0.0632	µg/L	EPA 608	0.0042	0.02			
2017/18-4	MO-HUE	matrix spike dup, rec	4/2/2018	Pesticide	Dieldrin	n/a	=	63	%	EPA 608	-88	-88	27	132	
2017/18-4	MO-HUE	matrix spike, RPD	4/2/2018	Pesticide	Dieldrin	n/a	=	0.07	%	EPA 608	-88	-88	0	30	
2017/18-4	000NONPJ	matrix spike	3/30/2018	Pesticide	Dimethoate	n/a	=	0.0859	µg/L	EPA 525.2m	0.0062	0.01			
2017/18-4	000NONPJ	matrix spike, rec	3/30/2018	Pesticide	Dimethoate	n/a	=	172	%	EPA 525.2m	-88	-88	4	222	
2017/18-4	000NONPJ	matrix spike dup	3/30/2018	Pesticide	Dimethoate	n/a	=	0.0854	µg/L	EPA 525.2m	0.0062	0.01			
2017/18-4	000NONPJ	matrix spike dup, rec	3/30/2018	Pesticide	Dimethoate	n/a	=	171	%	EPA 525.2m	-88	-88	4	222	
2017/18-4	000NONPJ	matrix spike, RPD	3/30/2018	Pesticide	Dimethoate	n/a	=	0.6	%	EPA 525.2m	-88	-88	0	30	
2017/18-4	Lab	method blank	3/30/2018	Pesticide	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01			
2017/18-4	Lab	LCS	3/30/2018	Pesticide	Dimethoate	n/a	=	0.0403	µg/L	EPA 525.2m	0.0062	0.01			
2017/18-4	Lab	LCS, rec	3/30/2018	Pesticide	Dimethoate	n/a	=	81	%	EPA 525.2m	-88	-88	10	234	
2017/18-4	Lab	method blank	4/4/2018	Pesticide	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2017/18-4	Lab	LCS	4/4/2018	Pesticide	Dimethoate	n/a	=	4.2	µg/L	EPA 525.2	0.024	0.2			
2017/18-4	Lab	LCS, rec	4/4/2018	Pesticide	Dimethoate	n/a	=	84	%	EPA 525.2	-88	-88	50	120	
2017/18-4	Lab	LCS dup	4/4/2018	Pesticide	Dimethoate	n/a	=	4.41	µg/L	EPA 525.2	0.024	0.2			
2017/18-4	Lab	LCS dup, rec	4/4/2018	Pesticide	Dimethoate	n/a	=	88	%	EPA 525.2	-88	-88	50	120	
2017/18-4	Lab	LCS, RPD	4/4/2018	Pesticide	Dimethoate	n/a	=	5	%	EPA 525.2	-88	-88	0	30	
2017/18-4	MO-HUE	matrix spike	3/30/2018	Pesticide	Dimethoate	n/a	=	0.085	µg/L	EPA 525.2m	0.0062	0.01			
2017/18-4	MO-HUE	matrix spike, rec	3/30/2018	Pesticide	Dimethoate	n/a	=	170	%	EPA 525.2m	-88	-88	4	222	
2017/18-4	MO-HUE	matrix spike dup	3/30/2018	Pesticide	Dimethoate	n/a	=	0.0849	µg/L	EPA 525.2m	0.0062	0.01			
2017/18-4	MO-HUE	matrix spike dup, rec	3/30/2018	Pesticide	Dimethoate	n/a	=	170	%	EPA 525.2m	-88	-88	4	222	
2017/18-4	MO-HUE	matrix spike, RPD	3/30/2018	Pesticide	Dimethoate	n/a	=	0.1	%	EPA 525.2m	-88	-88	0	30	
2017/18-4	000NONPJ	matrix spike	3/26/2018	Pesticide	Dinoseb	n/a	=	4.22	µg/L	EPA 515.3	0.14	0.4			
2017/18-4	000NONPJ	matrix spike, rec	3/26/2018	Pesticide	Dinoseb	n/a	=	106	%	EPA 515.3	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike dup	3/26/2018	Pesticide	Dinoseb	n/a	=	4.02	µg/L	EPA 515.3	0.14	0.4			
2017/18-4	000NONPJ	matrix spike dup, rec	3/26/2018	Pesticide	Dinoseb	n/a	=	101	%	EPA 515.3	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike, RPD	3/26/2018	Pesticide	Dinoseb	n/a	=	5	%	EPA 515.3	-88	-88	0	30	
2017/18-4	Lab	method blank	3/26/2018	Pesticide	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4			
2017/18-4	Lab	LCS	3/26/2018	Pesticide	Dinoseb	n/a	=	4.52	µg/L	EPA 515.3	0.14	0.4			
2017/18-4	Lab	LCS, rec	3/26/2018	Pesticide	Dinoseb	n/a	=	113	%	EPA 515.3	-88	-88	70	130	
2017/18-4	Lab	method blank	4/4/2018	Pesticide	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-4	Lab	LCS	4/4/2018	Pesticide	Diphenamid	n/a	=	5.74	µg/L	EPA 525.2	0.024	0.1			
2017/18-4	Lab	LCS, rec	4/4/2018	Pesticide	Diphenamid	n/a	=	115	%	EPA 525.2	-88	-88	70	130	
2017/18-4	Lab	LCS dup	4/4/2018	Pesticide	Diphenamid	n/a	=	5.74	µg/L	EPA 525.2	0.024	0.1			
2017/18-4	Lab	LCS dup, rec	4/4/2018	Pesticide	Diphenamid	n/a	=	115	%	EPA 525.2	-88	-88	70	130	
2017/18-4	Lab	LCS, RPD	4/4/2018	Pesticide	Diphenamid	n/a	=	0.1	%	EPA 525.2	-88	-88	0	30	
2017/18-4	000NONPJ	matrix spike	3/30/2018	Pesticide	Disulfoton	n/a	=	0.0628	µg/L	EPA 525.2m	0.01	0.01			
2017/18-4	000NONPJ	matrix spike, rec	3/30/2018	Pesticide	Disulfoton	n/a	=	126	%	EPA 525.2m	-88	-88	12	199	
2017/18-4	000NONPJ	matrix spike dup	3/30/2018	Pesticide	Disulfoton	n/a	=	0.0629	µg/L	EPA 525.2m	0.01	0.01			
2017/18-4	000NONPJ	matrix spike dup, rec	3/30/2018	Pesticide	Disulfoton	n/a	=	126	%	EPA 525.2m	-88	-88	12	199	
2017/18-4	000NONPJ	matrix spike, RPD	3/30/2018	Pesticide	Disulfoton	n/a	=	0.08	%	EPA 525.2m	-88	-88	0	30	
2017/18-4	Lab	method blank	3/30/2018	Pesticide	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2017/18-4	Lab	LCS	3/30/2018	Pesticide	Disulfoton	n/a	=	0.0259	µg/L	EPA 525.2m	0.01	0.01			
2017/18-4	Lab	LCS, rec	3/30/2018	Pesticide	Disulfoton	n/a	=	52	%	EPA 525.2m	-88	-88	0.1	212	
2017/18-4	Lab	method blank	4/4/2018	Pesticide	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1			
2017/18-4	Lab	LCS	4/4/2018	Pesticide	Disulfoton	n/a	=	8.3	µg/L	EPA 525.2	0.031	0.1			EUM
2017/18-4	Lab	LCS, rec	4/4/2018	Pesticide	Disulfoton	n/a	=	166	%	EPA 525.2	-88	-88	50	120	EUM
2017/18-4	Lab	LCS dup	4/4/2018	Pesticide	Disulfoton	n/a	=	8.64	µg/L	EPA 525.2	0.031	0.1			EUM
2017/18-4	Lab	LCS dup, rec	4/4/2018	Pesticide	Disulfoton	n/a	=	173	%	EPA 525.2	-88	-88	50	120	EUM
2017/18-4	Lab	LCS, RPD	4/4/2018	Pesticide	Disulfoton	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2017/18-4	MO-HUE	matrix spike	3/30/2018	Pesticide	Disulfoton	n/a	=	0.0371	µg/L	EPA 525.2m	0.01	0.01			
2017/18-4	MO-HUE	matrix spike, rec	3/30/2018	Pesticide	Disulfoton	n/a	=	74	%	EPA 525.2m	-88	-88	12	199	
2017/18-4	MO-HUE	matrix spike dup	3/30/2018	Pesticide	Disulfoton	n/a	=	0.0455	µg/L	EPA 525.2m	0.01	0.01			
2017/18-4	MO-HUE	matrix spike dup, rec	3/30/2018	Pesticide	Disulfoton	n/a	=	91	%	EPA 525.2m	-88	-88	12	199	
2017/18-4	MO-HUE	matrix spike, RPD	3/30/2018	Pesticide	Disulfoton	n/a	=	20	%	EPA 525.2m	-88	-88	0	30	
2017/18-4	000NONPJ	matrix spike	4/2/2018	Pesticide	Endosulfan I	n/a	=	0.0507	µg/L	EPA 608	0.0034	0.04			
2017/18-4	000NONPJ	matrix spike, rec	4/2/2018	Pesticide	Endosulfan I	n/a	=	51	%	EPA 608	-88	-88	0.1	140	
2017/18-4	000NONPJ	matrix spike dup	4/2/2018	Pesticide	Endosulfan I	n/a	=	0.0461	µg/L	EPA 608	0.0034	0.04			
2017/18-4	000NONPJ	matrix spike dup, rec	4/2/2018	Pesticide	Endosulfan I	n/a	=	46	%	EPA 608	-88	-88	0.1	140	
2017/18-4	000NONPJ	matrix spike, RPD	4/2/2018	Pesticide	Endosulfan I	n/a	=	9	%	EPA 608	-88	-88	0	30	
2017/18-4	Lab	method blank	4/2/2018	Pesticide	Endosulfan I	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.02			
2017/18-4	Lab	LCS	4/2/2018	Pesticide	Endosulfan I	n/a	=	0.0888	µg/L	EPA 608	0.0017	0.02			
2017/18-4	Lab	LCS, rec	4/2/2018	Pesticide	Endosulfan I	n/a	=	89	%	EPA 608	-88	-88	14	131	
2017/18-4	Lab	method blank	4/6/2018	Pesticide	Endosulfan I	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.02			
2017/18-4	Lab	LCS	4/6/2018	Pesticide	Endosulfan I	n/a	=	0.0851	µg/L	EPA 608	0.0017	0.02			
2017/18-4	Lab	LCS, rec	4/6/2018	Pesticide	Endosulfan I	n/a	=	85	%	EPA 608	-88	-88	14	131	
2017/18-4	MO-HUE	matrix spike	4/2/2018	Pesticide	Endosulfan I	n/a	=	0.0523	µg/L	EPA 608	0.0034	0.04			
2017/18-4	MO-HUE	matrix spike, rec	4/2/2018	Pesticide	Endosulfan I	n/a	=	52	%	EPA 608	-88	-88	0.1	140	
2017/18-4	MO-HUE	matrix spike dup	4/2/2018	Pesticide	Endosulfan I	n/a	=	0.0543	µg/L	EPA 608	0.0034	0.04			
2017/18-4	MO-HUE	matrix spike dup, rec	4/2/2018	Pesticide	Endosulfan I	n/a	=	54	%	EPA 608	-88	-88	0.1	140	
2017/18-4	MO-HUE	matrix spike, RPD	4/2/2018	Pesticide	Endosulfan I	n/a	=	4	%	EPA 608	-88	-88	0	30	
2017/18-4	000NONPJ	matrix spike	4/2/2018	Pesticide	Endosulfan II	n/a	=	0.0497	µg/L	EPA 608	0.0038	0.02			
2017/18-4	000NONPJ	matrix spike, rec	4/2/2018	Pesticide	Endosulfan II	n/a	=	50	%	EPA 608	-88	-88	17	122	
2017/18-4	000NONPJ	matrix spike dup	4/2/2018	Pesticide	Endosulfan II	n/a	=	0.0519	µg/L	EPA 608	0.0038	0.02			
2017/18-4	000NONPJ	matrix spike dup, rec	4/2/2018	Pesticide	Endosulfan II	n/a	=	52	%	EPA 608	-88	-88	17	122	
2017/18-4	000NONPJ	matrix spike, RPD	4/2/2018	Pesticide	Endosulfan II	n/a	=	4	%	EPA 608	-88	-88	0	30	
2017/18-4	Lab	method blank	4/2/2018	Pesticide	Endosulfan II	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01			
2017/18-4	Lab	LCS	4/2/2018	Pesticide	Endosulfan II	n/a	=	0.0977	µg/L	EPA 608	0.0019	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-4	Lab	LCS, rec	4/2/2018	Pesticide	Endosulfan II	n/a	=	98	%	EPA 608	-88	-88	40	121	
2017/18-4	Lab	method blank	4/6/2018	Pesticide	Endosulfan II	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01			
2017/18-4	Lab	LCS	4/6/2018	Pesticide	Endosulfan II	n/a	=	0.0928	µg/L	EPA 608	0.0019	0.01			
2017/18-4	Lab	LCS, rec	4/6/2018	Pesticide	Endosulfan II	n/a	=	93	%	EPA 608	-88	-88	40	121	
2017/18-4	MO-HUE	matrix spike	4/2/2018	Pesticide	Endosulfan II	n/a	=	0.0591	µg/L	EPA 608	0.0038	0.02			
2017/18-4	MO-HUE	matrix spike, rec	4/2/2018	Pesticide	Endosulfan II	n/a	=	59	%	EPA 608	-88	-88	17	122	
2017/18-4	MO-HUE	matrix spike dup	4/2/2018	Pesticide	Endosulfan II	n/a	=	0.0577	µg/L	EPA 608	0.0038	0.02			
2017/18-4	MO-HUE	matrix spike dup, rec	4/2/2018	Pesticide	Endosulfan II	n/a	=	58	%	EPA 608	-88	-88	17	122	
2017/18-4	MO-HUE	matrix spike, RPD	4/2/2018	Pesticide	Endosulfan II	n/a	=	2	%	EPA 608	-88	-88	0	30	
2017/18-4	000NONPJ	matrix spike	4/2/2018	Pesticide	Endosulfan sulfate	n/a	DNQ	0.0347	µg/L	EPA 608	0.016	0.1			GB
2017/18-4	000NONPJ	matrix spike, rec	4/2/2018	Pesticide	Endosulfan sulfate	n/a	=	35	%	EPA 608	-88	-88	37	131	GB
2017/18-4	000NONPJ	matrix spike dup	4/2/2018	Pesticide	Endosulfan sulfate	n/a	DNQ	0.0319	µg/L	EPA 608	0.016	0.1			GB
2017/18-4	000NONPJ	matrix spike dup, rec	4/2/2018	Pesticide	Endosulfan sulfate	n/a	=	32	%	EPA 608	-88	-88	37	131	GB
2017/18-4	000NONPJ	matrix spike, RPD	4/2/2018	Pesticide	Endosulfan sulfate	n/a	=	8	%	EPA 608	-88	-88	0	30	
2017/18-4	Lab	method blank	4/2/2018	Pesticide	Endosulfan sulfate	n/a	<	0.008	µg/L	EPA 608	0.008	0.05			
2017/18-4	Lab	LCS	4/2/2018	Pesticide	Endosulfan sulfate	n/a	=	0.121	µg/L	EPA 608	0.008	0.05			
2017/18-4	Lab	LCS, rec	4/2/2018	Pesticide	Endosulfan sulfate	n/a	=	121	%	EPA 608	-88	-88	44	140	
2017/18-4	Lab	method blank	4/6/2018	Pesticide	Endosulfan sulfate	n/a	<	0.008	µg/L	EPA 608	0.008	0.05			
2017/18-4	Lab	LCS	4/6/2018	Pesticide	Endosulfan sulfate	n/a	=	0.122	µg/L	EPA 608	0.008	0.05			
2017/18-4	Lab	LCS, rec	4/6/2018	Pesticide	Endosulfan sulfate	n/a	=	122	%	EPA 608	-88	-88	44	140	
2017/18-4	MO-HUE	matrix spike	4/2/2018	Pesticide	Endosulfan sulfate	n/a	DNQ	0.0527	µg/L	EPA 608	0.016	0.1			
2017/18-4	MO-HUE	matrix spike, rec	4/2/2018	Pesticide	Endosulfan sulfate	n/a	=	53	%	EPA 608	-88	-88	37	131	
2017/18-4	MO-HUE	matrix spike dup	4/2/2018	Pesticide	Endosulfan sulfate	n/a	DNQ	0.0536	µg/L	EPA 608	0.016	0.1			
2017/18-4	MO-HUE	matrix spike dup, rec	4/2/2018	Pesticide	Endosulfan sulfate	n/a	=	54	%	EPA 608	-88	-88	37	131	
2017/18-4	MO-HUE	matrix spike, RPD	4/2/2018	Pesticide	Endosulfan sulfate	n/a	=	2	%	EPA 608	-88	-88	0	30	
2017/18-4	000NONPJ	matrix spike	4/2/2018	Pesticide	Endrin	n/a	=	0.0629	µg/L	EPA 608	0.0056	0.02			
2017/18-4	000NONPJ	matrix spike, rec	4/2/2018	Pesticide	Endrin	n/a	=	63	%	EPA 608	-88	-88	42	144	
2017/18-4	000NONPJ	matrix spike dup	4/2/2018	Pesticide	Endrin	n/a	=	0.0624	µg/L	EPA 608	0.0056	0.02			
2017/18-4	000NONPJ	matrix spike dup, rec	4/2/2018	Pesticide	Endrin	n/a	=	62	%	EPA 608	-88	-88	42	144	
2017/18-4	000NONPJ	matrix spike, RPD	4/2/2018	Pesticide	Endrin	n/a	=	0.7	%	EPA 608	-88	-88	0	30	
2017/18-4	Lab	method blank	4/2/2018	Pesticide	Endrin	n/a	<	0.0028	µg/L	EPA 608	0.0028	0.01			
2017/18-4	Lab	LCS	4/2/2018	Pesticide	Endrin	n/a	=	0.113	µg/L	EPA 608	0.0028	0.01			
2017/18-4	Lab	LCS, rec	4/2/2018	Pesticide	Endrin	n/a	=	113	%	EPA 608	-88	-88	40	143	
2017/18-4	Lab	method blank	4/6/2018	Pesticide	Endrin	n/a	<	0.0028	µg/L	EPA 608	0.0028	0.01			
2017/18-4	Lab	LCS	4/6/2018	Pesticide	Endrin	n/a	=	0.0989	µg/L	EPA 608	0.0028	0.01			
2017/18-4	Lab	LCS, rec	4/6/2018	Pesticide	Endrin	n/a	=	99	%	EPA 608	-88	-88	40	143	
2017/18-4	MO-HUE	matrix spike	4/2/2018	Pesticide	Endrin	n/a	=	0.0755	µg/L	EPA 608	0.0056	0.02			
2017/18-4	MO-HUE	matrix spike, rec	4/2/2018	Pesticide	Endrin	n/a	=	75	%	EPA 608	-88	-88	42	144	
2017/18-4	MO-HUE	matrix spike dup	4/2/2018	Pesticide	Endrin	n/a	=	0.0763	µg/L	EPA 608	0.0056	0.02			
2017/18-4	MO-HUE	matrix spike dup, rec	4/2/2018	Pesticide	Endrin	n/a	=	76	%	EPA 608	-88	-88	42	144	
2017/18-4	MO-HUE	matrix spike, RPD	4/2/2018	Pesticide	Endrin	n/a	=	1	%	EPA 608	-88	-88	0	30	
2017/18-4	000NONPJ	matrix spike	4/2/2018	Pesticide	Endrin aldehyde	n/a	=	0.0496	µg/L	EPA 608	0.006	0.02			
2017/18-4	000NONPJ	matrix spike, rec	4/2/2018	Pesticide	Endrin aldehyde	n/a	=	50	%	EPA 608	-88	-88	11	113	
2017/18-4	000NONPJ	matrix spike dup	4/2/2018	Pesticide	Endrin aldehyde	n/a	=	0.0436	µg/L	EPA 608	0.006	0.02			
2017/18-4	000NONPJ	matrix spike dup, rec	4/2/2018	Pesticide	Endrin aldehyde	n/a	=	44	%	EPA 608	-88	-88	11	113	
2017/18-4	000NONPJ	matrix spike, RPD	4/2/2018	Pesticide	Endrin aldehyde	n/a	=	13	%	EPA 608	-88	-88	0	30	
2017/18-4	Lab	method blank	4/2/2018	Pesticide	Endrin aldehyde	n/a	<	0.003	µg/L	EPA 608	0.003	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-4	Lab	LCS	4/2/2018	Pesticide	Endrin aldehyde	n/a	=	0.105	µg/L	EPA 608	0.003	0.01			
2017/18-4	Lab	LCS, rec	4/2/2018	Pesticide	Endrin aldehyde	n/a	=	105	%	EPA 608	-88	-88	18	136	
2017/18-4	Lab	method blank	4/6/2018	Pesticide	Endrin aldehyde	n/a	<	0.003	µg/L	EPA 608	0.003	0.01			
2017/18-4	Lab	LCS	4/6/2018	Pesticide	Endrin aldehyde	n/a	=	0.11	µg/L	EPA 608	0.003	0.01			
2017/18-4	Lab	LCS, rec	4/6/2018	Pesticide	Endrin aldehyde	n/a	=	110	%	EPA 608	-88	-88	18	136	
2017/18-4	MO-HUE	matrix spike	4/2/2018	Pesticide	Endrin aldehyde	n/a	=	0.0573	µg/L	EPA 608	0.006	0.02			
2017/18-4	MO-HUE	matrix spike, rec	4/2/2018	Pesticide	Endrin aldehyde	n/a	=	57	%	EPA 608	-88	-88	11	113	
2017/18-4	MO-HUE	matrix spike dup	4/2/2018	Pesticide	Endrin aldehyde	n/a	=	0.0556	µg/L	EPA 608	0.006	0.02			
2017/18-4	MO-HUE	matrix spike dup, rec	4/2/2018	Pesticide	Endrin aldehyde	n/a	=	56	%	EPA 608	-88	-88	11	113	
2017/18-4	MO-HUE	matrix spike, RPD	4/2/2018	Pesticide	Endrin aldehyde	n/a	=	3	%	EPA 608	-88	-88	0	30	
2017/18-4	Lab	method blank	4/4/2018	Pesticide	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1			
2017/18-4	Lab	LCS	4/4/2018	Pesticide	EPTC	n/a	=	5	µg/L	EPA 525.2	0.017	1			
2017/18-4	Lab	LCS, rec	4/4/2018	Pesticide	EPTC	n/a	=	100	%	EPA 525.2	-88	-88	70	130	
2017/18-4	Lab	LCS dup	4/4/2018	Pesticide	EPTC	n/a	=	5.31	µg/L	EPA 525.2	0.017	1			
2017/18-4	Lab	LCS dup, rec	4/4/2018	Pesticide	EPTC	n/a	=	106	%	EPA 525.2	-88	-88	70	130	
2017/18-4	Lab	LCS, RPD	4/4/2018	Pesticide	EPTC	n/a	=	6	%	EPA 525.2	-88	-88	0	30	
2017/18-4	000NONPJ	matrix spike	3/30/2018	Pesticide	Ethoprop	n/a	=	0.0665	µg/L	EPA 525.2m	0.0067	0.01			
2017/18-4	000NONPJ	matrix spike, rec	3/30/2018	Pesticide	Ethoprop	n/a	=	133	%	EPA 525.2m	-88	-88	51	167	
2017/18-4	000NONPJ	matrix spike dup	3/30/2018	Pesticide	Ethoprop	n/a	=	0.0618	µg/L	EPA 525.2m	0.0067	0.01			
2017/18-4	000NONPJ	matrix spike dup, rec	3/30/2018	Pesticide	Ethoprop	n/a	=	124	%	EPA 525.2m	-88	-88	51	167	
2017/18-4	000NONPJ	matrix spike, RPD	3/30/2018	Pesticide	Ethoprop	n/a	=	7	%	EPA 525.2m	-88	-88	0	30	
2017/18-4	Lab	method blank	3/30/2018	Pesticide	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01			
2017/18-4	Lab	LCS	3/30/2018	Pesticide	Ethoprop	n/a	=	0.034	µg/L	EPA 525.2m	0.0067	0.01			
2017/18-4	Lab	LCS, rec	3/30/2018	Pesticide	Ethoprop	n/a	=	68	%	EPA 525.2m	-88	-88	53	163	
2017/18-4	MO-HUE	matrix spike	3/30/2018	Pesticide	Ethoprop	n/a	=	0.0551	µg/L	EPA 525.2m	0.0067	0.01			
2017/18-4	MO-HUE	matrix spike, rec	3/30/2018	Pesticide	Ethoprop	n/a	=	110	%	EPA 525.2m	-88	-88	51	167	
2017/18-4	MO-HUE	matrix spike dup	3/30/2018	Pesticide	Ethoprop	n/a	=	0.0608	µg/L	EPA 525.2m	0.0067	0.01			
2017/18-4	MO-HUE	matrix spike dup, rec	3/30/2018	Pesticide	Ethoprop	n/a	=	122	%	EPA 525.2m	-88	-88	51	167	
2017/18-4	MO-HUE	matrix spike, RPD	3/30/2018	Pesticide	Ethoprop	n/a	=	10	%	EPA 525.2m	-88	-88	0	30	
2017/18-4	000NONPJ	matrix spike	3/30/2018	Pesticide	Ethyl parathion	n/a	=	0.0745	µg/L	EPA 525.2m	0.0054	0.01			
2017/18-4	000NONPJ	matrix spike, rec	3/30/2018	Pesticide	Ethyl parathion	n/a	=	149	%	EPA 525.2m	-88	-88	5	229	
2017/18-4	000NONPJ	matrix spike dup	3/30/2018	Pesticide	Ethyl parathion	n/a	=	0.0816	µg/L	EPA 525.2m	0.0054	0.01			
2017/18-4	000NONPJ	matrix spike dup, rec	3/30/2018	Pesticide	Ethyl parathion	n/a	=	163	%	EPA 525.2m	-88	-88	5	229	
2017/18-4	000NONPJ	matrix spike, RPD	3/30/2018	Pesticide	Ethyl parathion	n/a	=	9	%	EPA 525.2m	-88	-88	0	30	
2017/18-4	Lab	method blank	3/30/2018	Pesticide	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01			
2017/18-4	Lab	LCS	3/30/2018	Pesticide	Ethyl parathion	n/a	=	0.0542	µg/L	EPA 525.2m	0.0054	0.01			
2017/18-4	Lab	LCS, rec	3/30/2018	Pesticide	Ethyl parathion	n/a	=	108	%	EPA 525.2m	-88	-88	7	230	
2017/18-4	MO-HUE	matrix spike	3/30/2018	Pesticide	Ethyl parathion	n/a	=	0.0679	µg/L	EPA 525.2m	0.0054	0.01			
2017/18-4	MO-HUE	matrix spike, rec	3/30/2018	Pesticide	Ethyl parathion	n/a	=	136	%	EPA 525.2m	-88	-88	5	229	
2017/18-4	MO-HUE	matrix spike dup	3/30/2018	Pesticide	Ethyl parathion	n/a	=	0.0806	µg/L	EPA 525.2m	0.0054	0.01			
2017/18-4	MO-HUE	matrix spike dup, rec	3/30/2018	Pesticide	Ethyl parathion	n/a	=	161	%	EPA 525.2m	-88	-88	5	229	
2017/18-4	MO-HUE	matrix spike, RPD	3/30/2018	Pesticide	Ethyl parathion	n/a	=	17	%	EPA 525.2m	-88	-88	0	30	
2017/18-4	000NONPJ	matrix spike	3/30/2018	Pesticide	Fensulfothion	n/a	=	0.0635	µg/L	EPA 525.2m	0.0029	0.01			
2017/18-4	000NONPJ	matrix spike, rec	3/30/2018	Pesticide	Fensulfothion	n/a	=	127	%	EPA 525.2m	-88	-88	0.1	316	
2017/18-4	000NONPJ	matrix spike dup	3/30/2018	Pesticide	Fensulfothion	n/a	=	0.0611	µg/L	EPA 525.2m	0.0029	0.01			
2017/18-4	000NONPJ	matrix spike dup, rec	3/30/2018	Pesticide	Fensulfothion	n/a	=	122	%	EPA 525.2m	-88	-88	0.1	316	
2017/18-4	000NONPJ	matrix spike, RPD	3/30/2018	Pesticide	Fensulfothion	n/a	=	4	%	EPA 525.2m	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-4	Lab	method blank	3/30/2018	Pesticide	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01			
2017/18-4	Lab	LCS	3/30/2018	Pesticide	Fensulfothion	n/a	=	0.0391	µg/L	EPA 525.2m	0.0029	0.01			
2017/18-4	Lab	LCS, rec	3/30/2018	Pesticide	Fensulfothion	n/a	=	78	%	EPA 525.2m	-88	-88	0.1	265	
2017/18-4	MO-HUE	matrix spike	3/30/2018	Pesticide	Fensulfothion	n/a	=	0.0555	µg/L	EPA 525.2m	0.0029	0.01			
2017/18-4	MO-HUE	matrix spike, rec	3/30/2018	Pesticide	Fensulfothion	n/a	=	111	%	EPA 525.2m	-88	-88	0.1	316	
2017/18-4	MO-HUE	matrix spike dup	3/30/2018	Pesticide	Fensulfothion	n/a	=	0.051	µg/L	EPA 525.2m	0.0029	0.01			
2017/18-4	MO-HUE	matrix spike dup, rec	3/30/2018	Pesticide	Fensulfothion	n/a	=	102	%	EPA 525.2m	-88	-88	0.1	316	
2017/18-4	MO-HUE	matrix spike, RPD	3/30/2018	Pesticide	Fensulfothion	n/a	=	8	%	EPA 525.2m	-88	-88	0	30	
2017/18-4	000NONPJ	matrix spike	3/30/2018	Pesticide	Fenthion	n/a	=	0.0719	µg/L	EPA 525.2m	0.0038	0.01			
2017/18-4	000NONPJ	matrix spike, rec	3/30/2018	Pesticide	Fenthion	n/a	=	144	%	EPA 525.2m	-88	-88	23	169	
2017/18-4	000NONPJ	matrix spike dup	3/30/2018	Pesticide	Fenthion	n/a	=	0.0759	µg/L	EPA 525.2m	0.0038	0.01			
2017/18-4	000NONPJ	matrix spike dup, rec	3/30/2018	Pesticide	Fenthion	n/a	=	152	%	EPA 525.2m	-88	-88	23	169	
2017/18-4	000NONPJ	matrix spike, RPD	3/30/2018	Pesticide	Fenthion	n/a	=	5	%	EPA 525.2m	-88	-88	0	30	
2017/18-4	Lab	method blank	3/30/2018	Pesticide	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01			
2017/18-4	Lab	LCS	3/30/2018	Pesticide	Fenthion	n/a	=	0.0299	µg/L	EPA 525.2m	0.0038	0.01			
2017/18-4	Lab	LCS, rec	3/30/2018	Pesticide	Fenthion	n/a	=	60	%	EPA 525.2m	-88	-88	20	177	
2017/18-4	MO-HUE	matrix spike	3/30/2018	Pesticide	Fenthion	n/a	=	0.0505	µg/L	EPA 525.2m	0.0038	0.01			
2017/18-4	MO-HUE	matrix spike, rec	3/30/2018	Pesticide	Fenthion	n/a	=	101	%	EPA 525.2m	-88	-88	23	169	
2017/18-4	MO-HUE	matrix spike dup	3/30/2018	Pesticide	Fenthion	n/a	=	0.0683	µg/L	EPA 525.2m	0.0038	0.01			
2017/18-4	MO-HUE	matrix spike dup, rec	3/30/2018	Pesticide	Fenthion	n/a	=	137	%	EPA 525.2m	-88	-88	23	169	
2017/18-4	MO-HUE	matrix spike, RPD	3/30/2018	Pesticide	Fenthion	n/a	=	30	%	EPA 525.2m	-88	-88	0	30	
2017/18-4	000NONPJ	matrix spike	4/2/2018	Pesticide	gamma-BHC (Lindane)	n/a	=	0.0541	µg/L	EPA 608	0.0042	0.04			
2017/18-4	000NONPJ	matrix spike, rec	4/2/2018	Pesticide	gamma-BHC (Lindane)	n/a	=	54	%	EPA 608	-88	-88	33	112	
2017/18-4	000NONPJ	matrix spike dup	4/2/2018	Pesticide	gamma-BHC (Lindane)	n/a	=	0.052	µg/L	EPA 608	0.0042	0.04			
2017/18-4	000NONPJ	matrix spike dup, rec	4/2/2018	Pesticide	gamma-BHC (Lindane)	n/a	=	52	%	EPA 608	-88	-88	33	112	
2017/18-4	000NONPJ	matrix spike, RPD	4/2/2018	Pesticide	gamma-BHC (Lindane)	n/a	=	4	%	EPA 608	-88	-88	0	30	
2017/18-4	Lab	method blank	4/2/2018	Pesticide	gamma-BHC (Lindane)	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.02			
2017/18-4	Lab	LCS	4/2/2018	Pesticide	gamma-BHC (Lindane)	n/a	=	0.0935	µg/L	EPA 608	0.0021	0.02			
2017/18-4	Lab	LCS, rec	4/2/2018	Pesticide	gamma-BHC (Lindane)	n/a	=	94	%	EPA 608	-88	-88	49	117	
2017/18-4	Lab	method blank	4/6/2018	Pesticide	gamma-BHC (Lindane)	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.02			
2017/18-4	Lab	LCS	4/6/2018	Pesticide	gamma-BHC (Lindane)	n/a	=	0.0935	µg/L	EPA 608	0.0021	0.02			
2017/18-4	Lab	LCS, rec	4/6/2018	Pesticide	gamma-BHC (Lindane)	n/a	=	93	%	EPA 608	-88	-88	49	117	
2017/18-4	MO-HUE	matrix spike	4/2/2018	Pesticide	gamma-BHC (Lindane)	n/a	=	0.0608	µg/L	EPA 608	0.0042	0.04			
2017/18-4	MO-HUE	matrix spike, rec	4/2/2018	Pesticide	gamma-BHC (Lindane)	n/a	=	61	%	EPA 608	-88	-88	33	112	
2017/18-4	MO-HUE	matrix spike dup	4/2/2018	Pesticide	gamma-BHC (Lindane)	n/a	=	0.0603	µg/L	EPA 608	0.0042	0.04			
2017/18-4	MO-HUE	matrix spike dup, rec	4/2/2018	Pesticide	gamma-BHC (Lindane)	n/a	=	60	%	EPA 608	-88	-88	33	112	
2017/18-4	MO-HUE	matrix spike, RPD	4/2/2018	Pesticide	gamma-BHC (Lindane)	n/a	=	0.9	%	EPA 608	-88	-88	0	30	
2017/18-4	000NONPJ	matrix spike	3/26/2018	Pesticide	Glyphosate	n/a	=	20.7	µg/L	EPA 547	1.8	5			
2017/18-4	000NONPJ	matrix spike, rec	3/26/2018	Pesticide	Glyphosate	n/a	=	83	%	EPA 547	-88	-88	41	149	
2017/18-4	000NONPJ	matrix spike dup	3/26/2018	Pesticide	Glyphosate	n/a	=	17.7	µg/L	EPA 547	1.8	5			
2017/18-4	000NONPJ	matrix spike dup, rec	3/26/2018	Pesticide	Glyphosate	n/a	=	71	%	EPA 547	-88	-88	41	149	
2017/18-4	000NONPJ	matrix spike, RPD	3/26/2018	Pesticide	Glyphosate	n/a	=	15	%	EPA 547	-88	-88	0	30	
2017/18-4	000NONPJ	matrix spike	3/26/2018	Pesticide	Glyphosate	n/a	=	17.7	µg/L	EPA 547	1.8	5			
2017/18-4	000NONPJ	matrix spike, rec	3/26/2018	Pesticide	Glyphosate	n/a	=	71	%	EPA 547	-88	-88	41	149	
2017/18-4	000NONPJ	matrix spike dup	3/26/2018	Pesticide	Glyphosate	n/a	=	21.6	µg/L	EPA 547	1.8	5			
2017/18-4	000NONPJ	matrix spike dup, rec	3/26/2018	Pesticide	Glyphosate	n/a	=	87	%	EPA 547	-88	-88	41	149	
2017/18-4	000NONPJ	matrix spike, RPD	3/26/2018	Pesticide	Glyphosate	n/a	=	20	%	EPA 547	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-4	Lab	method blank	3/26/2018	Pesticide	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5			
2017/18-4	Lab	LCS	3/26/2018	Pesticide	Glyphosate	n/a	=	17.6	µg/L	EPA 547	1.8	5			
2017/18-4	Lab	LCS, rec	3/26/2018	Pesticide	Glyphosate	n/a	=	71	%	EPA 547	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike	4/2/2018	Pesticide	Heptachlor	n/a	=	0.0602	µg/L	EPA 608	0.0034	0.02			
2017/18-4	000NONPJ	matrix spike, rec	4/2/2018	Pesticide	Heptachlor	n/a	=	60	%	EPA 608	-88	-88	28	131	
2017/18-4	000NONPJ	matrix spike dup	4/2/2018	Pesticide	Heptachlor	n/a	=	0.0463	µg/L	EPA 608	0.0034	0.02			
2017/18-4	000NONPJ	matrix spike dup, rec	4/2/2018	Pesticide	Heptachlor	n/a	=	46	%	EPA 608	-88	-88	28	131	
2017/18-4	000NONPJ	matrix spike, RPD	4/2/2018	Pesticide	Heptachlor	n/a	=	26	%	EPA 608	-88	-88	0	30	
2017/18-4	Lab	method blank	4/2/2018	Pesticide	Heptachlor	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.01			
2017/18-4	Lab	LCS	4/2/2018	Pesticide	Heptachlor	n/a	=	0.0919	µg/L	EPA 608	0.0017	0.01			
2017/18-4	Lab	LCS, rec	4/2/2018	Pesticide	Heptachlor	n/a	=	92	%	EPA 608	-88	-88	31	130	
2017/18-4	Lab	method blank	4/6/2018	Pesticide	Heptachlor	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.01			
2017/18-4	Lab	LCS	4/6/2018	Pesticide	Heptachlor	n/a	=	0.0931	µg/L	EPA 608	0.0017	0.01			
2017/18-4	Lab	LCS, rec	4/6/2018	Pesticide	Heptachlor	n/a	=	93	%	EPA 608	-88	-88	31	130	
2017/18-4	MO-HUE	matrix spike	4/2/2018	Pesticide	Heptachlor	n/a	=	0.0591	µg/L	EPA 608	0.0034	0.02			
2017/18-4	MO-HUE	matrix spike, rec	4/2/2018	Pesticide	Heptachlor	n/a	=	59	%	EPA 608	-88	-88	28	131	
2017/18-4	MO-HUE	matrix spike dup	4/2/2018	Pesticide	Heptachlor	n/a	=	0.0558	µg/L	EPA 608	0.0034	0.02			
2017/18-4	MO-HUE	matrix spike dup, rec	4/2/2018	Pesticide	Heptachlor	n/a	=	56	%	EPA 608	-88	-88	28	131	
2017/18-4	MO-HUE	matrix spike, RPD	4/2/2018	Pesticide	Heptachlor	n/a	=	6	%	EPA 608	-88	-88	0	30	
2017/18-4	000NONPJ	matrix spike	4/2/2018	Pesticide	Heptachlor epoxide	n/a	=	0.0446	µg/L	EPA 608	0.0038	0.02			
2017/18-4	000NONPJ	matrix spike, rec	4/2/2018	Pesticide	Heptachlor epoxide	n/a	=	45	%	EPA 608	-88	-88	36	117	
2017/18-4	000NONPJ	matrix spike dup	4/2/2018	Pesticide	Heptachlor epoxide	n/a	=	0.0441	µg/L	EPA 608	0.0038	0.02			
2017/18-4	000NONPJ	matrix spike dup, rec	4/2/2018	Pesticide	Heptachlor epoxide	n/a	=	44	%	EPA 608	-88	-88	36	117	
2017/18-4	000NONPJ	matrix spike, RPD	4/2/2018	Pesticide	Heptachlor epoxide	n/a	=	1	%	EPA 608	-88	-88	0	30	
2017/18-4	Lab	method blank	4/2/2018	Pesticide	Heptachlor epoxide	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01			
2017/18-4	Lab	LCS	4/2/2018	Pesticide	Heptachlor epoxide	n/a	=	0.0941	µg/L	EPA 608	0.0019	0.01			
2017/18-4	Lab	LCS, rec	4/2/2018	Pesticide	Heptachlor epoxide	n/a	=	94	%	EPA 608	-88	-88	49	122	
2017/18-4	Lab	method blank	4/6/2018	Pesticide	Heptachlor epoxide	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01			
2017/18-4	Lab	LCS	4/6/2018	Pesticide	Heptachlor epoxide	n/a	=	0.0937	µg/L	EPA 608	0.0019	0.01			
2017/18-4	Lab	LCS, rec	4/6/2018	Pesticide	Heptachlor epoxide	n/a	=	94	%	EPA 608	-88	-88	49	122	
2017/18-4	MO-HUE	matrix spike	4/2/2018	Pesticide	Heptachlor epoxide	n/a	=	0.0603	µg/L	EPA 608	0.0038	0.02			
2017/18-4	MO-HUE	matrix spike, rec	4/2/2018	Pesticide	Heptachlor epoxide	n/a	=	60	%	EPA 608	-88	-88	36	117	
2017/18-4	MO-HUE	matrix spike dup	4/2/2018	Pesticide	Heptachlor epoxide	n/a	=	0.056	µg/L	EPA 608	0.0038	0.02			
2017/18-4	MO-HUE	matrix spike dup, rec	4/2/2018	Pesticide	Heptachlor epoxide	n/a	=	56	%	EPA 608	-88	-88	36	117	
2017/18-4	MO-HUE	matrix spike, RPD	4/2/2018	Pesticide	Heptachlor epoxide	n/a	=	7	%	EPA 608	-88	-88	0	30	
2017/18-4	000NONPJ	matrix spike	3/30/2018	Pesticide	Malathion	n/a	=	0.0659	µg/L	EPA 525.2m	0.0076	0.01			
2017/18-4	000NONPJ	matrix spike, rec	3/30/2018	Pesticide	Malathion	n/a	=	132	%	EPA 525.2m	-88	-88	6	184	
2017/18-4	000NONPJ	matrix spike dup	3/30/2018	Pesticide	Malathion	n/a	=	0.0685	µg/L	EPA 525.2m	0.0076	0.01			
2017/18-4	000NONPJ	matrix spike dup, rec	3/30/2018	Pesticide	Malathion	n/a	=	137	%	EPA 525.2m	-88	-88	6	184	
2017/18-4	000NONPJ	matrix spike, RPD	3/30/2018	Pesticide	Malathion	n/a	=	4	%	EPA 525.2m	-88	-88	0	30	
2017/18-4	Lab	method blank	3/30/2018	Pesticide	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01			
2017/18-4	Lab	LCS	3/30/2018	Pesticide	Malathion	n/a	=	0.0401	µg/L	EPA 525.2m	0.0076	0.01			
2017/18-4	Lab	LCS, rec	3/30/2018	Pesticide	Malathion	n/a	=	80	%	EPA 525.2m	-88	-88	14	175	
2017/18-4	MO-HUE	matrix spike	3/30/2018	Pesticide	Malathion	n/a	=	0.0663	µg/L	EPA 525.2m	0.0076	0.01			
2017/18-4	MO-HUE	matrix spike, rec	3/30/2018	Pesticide	Malathion	n/a	=	107	%	EPA 525.2m	-88	-88	6	184	
2017/18-4	MO-HUE	matrix spike dup	3/30/2018	Pesticide	Malathion	n/a	=	0.0836	µg/L	EPA 525.2m	0.0076	0.01			
2017/18-4	MO-HUE	matrix spike dup, rec	3/30/2018	Pesticide	Malathion	n/a	=	142	%	EPA 525.2m	-88	-88	6	184	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-4	MO-HUE	matrix spike, RPD	3/30/2018	Pesticide	Malathion	n/a	=	23	%	EPA 525.2m	-88	-88	0	30	
2017/18-4	000NONPJ	matrix spike	3/30/2018	Pesticide	Merphos	n/a	=	0.065	µg/L	EPA 525.2m	0.0058	0.01			
2017/18-4	000NONPJ	matrix spike, rec	3/30/2018	Pesticide	Merphos	n/a	=	130	%	EPA 525.2m	-88	-88	3	210	
2017/18-4	000NONPJ	matrix spike dup	3/30/2018	Pesticide	Merphos	n/a	=	0.0517	µg/L	EPA 525.2m	0.0058	0.01			
2017/18-4	000NONPJ	matrix spike dup, rec	3/30/2018	Pesticide	Merphos	n/a	=	103	%	EPA 525.2m	-88	-88	3	210	
2017/18-4	000NONPJ	matrix spike, RPD	3/30/2018	Pesticide	Merphos	n/a	=	23	%	EPA 525.2m	-88	-88	0	30	
2017/18-4	Lab	method blank	3/30/2018	Pesticide	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01			
2017/18-4	Lab	LCS	3/30/2018	Pesticide	Merphos	n/a	=	0.039	µg/L	EPA 525.2m	0.0058	0.01			
2017/18-4	Lab	LCS, rec	3/30/2018	Pesticide	Merphos	n/a	=	78	%	EPA 525.2m	-88	-88	28	181	
2017/18-4	MO-HUE	matrix spike	3/30/2018	Pesticide	Merphos	n/a	=	0.0408	µg/L	EPA 525.2m	0.0058	0.01			
2017/18-4	MO-HUE	matrix spike, rec	3/30/2018	Pesticide	Merphos	n/a	=	82	%	EPA 525.2m	-88	-88	3	210	
2017/18-4	MO-HUE	matrix spike dup	3/30/2018	Pesticide	Merphos	n/a	=	0.0379	µg/L	EPA 525.2m	0.0058	0.01			
2017/18-4	MO-HUE	matrix spike dup, rec	3/30/2018	Pesticide	Merphos	n/a	=	76	%	EPA 525.2m	-88	-88	3	210	
2017/18-4	MO-HUE	matrix spike, RPD	3/30/2018	Pesticide	Merphos	n/a	=	8	%	EPA 525.2m	-88	-88	0	30	
2017/18-4	000NONPJ	matrix spike	3/30/2018	Pesticide	Methyl parathion	n/a	=	0.0766	µg/L	EPA 525.2m	0.0063	0.01			
2017/18-4	000NONPJ	matrix spike, rec	3/30/2018	Pesticide	Methyl parathion	n/a	=	153	%	EPA 525.2m	-88	-88	0.1	249	
2017/18-4	000NONPJ	matrix spike dup	3/30/2018	Pesticide	Methyl parathion	n/a	=	0.0798	µg/L	EPA 525.2m	0.0063	0.01			
2017/18-4	000NONPJ	matrix spike dup, rec	3/30/2018	Pesticide	Methyl parathion	n/a	=	160	%	EPA 525.2m	-88	-88	0.1	249	
2017/18-4	000NONPJ	matrix spike, RPD	3/30/2018	Pesticide	Methyl parathion	n/a	=	4	%	EPA 525.2m	-88	-88	0	30	
2017/18-4	Lab	method blank	3/30/2018	Pesticide	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01			
2017/18-4	Lab	LCS	3/30/2018	Pesticide	Methyl parathion	n/a	=	0.0563	µg/L	EPA 525.2m	0.0063	0.01			
2017/18-4	Lab	LCS, rec	3/30/2018	Pesticide	Methyl parathion	n/a	=	113	%	EPA 525.2m	-88	-88	0.1	252	
2017/18-4	MO-HUE	matrix spike	3/30/2018	Pesticide	Methyl parathion	n/a	=	0.0715	µg/L	EPA 525.2m	0.0063	0.01			
2017/18-4	MO-HUE	matrix spike, rec	3/30/2018	Pesticide	Methyl parathion	n/a	=	143	%	EPA 525.2m	-88	-88	0.1	249	
2017/18-4	MO-HUE	matrix spike dup	3/30/2018	Pesticide	Methyl parathion	n/a	=	0.091	µg/L	EPA 525.2m	0.0063	0.01			
2017/18-4	MO-HUE	matrix spike dup, rec	3/30/2018	Pesticide	Methyl parathion	n/a	=	182	%	EPA 525.2m	-88	-88	0.1	249	
2017/18-4	MO-HUE	matrix spike, RPD	3/30/2018	Pesticide	Methyl parathion	n/a	=	24	%	EPA 525.2m	-88	-88	0	30	
2017/18-4	Lab	method blank	4/4/2018	Pesticide	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2017/18-4	Lab	LCS	4/4/2018	Pesticide	Metolachlor	n/a	=	5.12	µg/L	EPA 525.2	0.012	0.1			
2017/18-4	Lab	LCS, rec	4/4/2018	Pesticide	Metolachlor	n/a	=	102	%	EPA 525.2	-88	-88	60	130	
2017/18-4	Lab	LCS dup	4/4/2018	Pesticide	Metolachlor	n/a	=	5.21	µg/L	EPA 525.2	0.012	0.1			
2017/18-4	Lab	LCS dup, rec	4/4/2018	Pesticide	Metolachlor	n/a	=	104	%	EPA 525.2	-88	-88	60	130	
2017/18-4	Lab	LCS, RPD	4/4/2018	Pesticide	Metolachlor	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2017/18-4	Lab	method blank	4/4/2018	Pesticide	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2017/18-4	Lab	LCS	4/4/2018	Pesticide	Metribuzin	n/a	=	4.76	µg/L	EPA 525.2	0.015	0.1			
2017/18-4	Lab	LCS, rec	4/4/2018	Pesticide	Metribuzin	n/a	=	95	%	EPA 525.2	-88	-88	50	120	
2017/18-4	Lab	LCS dup	4/4/2018	Pesticide	Metribuzin	n/a	=	4.76	µg/L	EPA 525.2	0.015	0.1			
2017/18-4	Lab	LCS dup, rec	4/4/2018	Pesticide	Metribuzin	n/a	=	95	%	EPA 525.2	-88	-88	50	120	
2017/18-4	Lab	LCS, RPD	4/4/2018	Pesticide	Metribuzin	n/a	=	0.02	%	EPA 525.2	-88	-88	0	30	
2017/18-4	000NONPJ	matrix spike	3/30/2018	Pesticide	Mevinphos	n/a	=	0.0683	µg/L	EPA 525.2m	0.0042	0.01			
2017/18-4	000NONPJ	matrix spike, rec	3/30/2018	Pesticide	Mevinphos	n/a	=	137	%	EPA 525.2m	-88	-88	25	189	
2017/18-4	000NONPJ	matrix spike dup	3/30/2018	Pesticide	Mevinphos	n/a	=	0.0623	µg/L	EPA 525.2m	0.0042	0.01			
2017/18-4	000NONPJ	matrix spike dup, rec	3/30/2018	Pesticide	Mevinphos	n/a	=	125	%	EPA 525.2m	-88	-88	25	189	
2017/18-4	000NONPJ	matrix spike, RPD	3/30/2018	Pesticide	Mevinphos	n/a	=	9	%	EPA 525.2m	-88	-88	0	30	
2017/18-4	Lab	method blank	3/30/2018	Pesticide	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01			
2017/18-4	Lab	LCS	3/30/2018	Pesticide	Mevinphos	n/a	=	0.0309	µg/L	EPA 525.2m	0.0042	0.01			
2017/18-4	Lab	LCS, rec	3/30/2018	Pesticide	Mevinphos	n/a	=	62	%	EPA 525.2m	-88	-88	14	202	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-4	MO-HUE	matrix spike	3/30/2018	Pesticide	Mevinphos	n/a	=	0.0603	µg/L	EPA 525.2m	0.0042	0.01			
2017/18-4	MO-HUE	matrix spike, rec	3/30/2018	Pesticide	Mevinphos	n/a	=	121	%	EPA 525.2m	-88	-88	25	189	
2017/18-4	MO-HUE	matrix spike dup	3/30/2018	Pesticide	Mevinphos	n/a	=	0.049	µg/L	EPA 525.2m	0.0042	0.01			
2017/18-4	MO-HUE	matrix spike dup, rec	3/30/2018	Pesticide	Mevinphos	n/a	=	98	%	EPA 525.2m	-88	-88	25	189	
2017/18-4	MO-HUE	matrix spike, RPD	3/30/2018	Pesticide	Mevinphos	n/a	=	21	%	EPA 525.2m	-88	-88	0	30	
2017/18-4	Lab	method blank	4/4/2018	Pesticide	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1			
2017/18-4	Lab	LCS	4/4/2018	Pesticide	Molinate	n/a	=	5.17	µg/L	EPA 525.2	0.039	0.1			
2017/18-4	Lab	LCS, rec	4/4/2018	Pesticide	Molinate	n/a	=	103	%	EPA 525.2	-88	-88	70	130	
2017/18-4	Lab	LCS dup	4/4/2018	Pesticide	Molinate	n/a	=	5.45	µg/L	EPA 525.2	0.039	0.1			
2017/18-4	Lab	LCS dup, rec	4/4/2018	Pesticide	Molinate	n/a	=	109	%	EPA 525.2	-88	-88	70	130	
2017/18-4	Lab	LCS, RPD	4/4/2018	Pesticide	Molinate	n/a	=	5	%	EPA 525.2	-88	-88	0	30	
2017/18-4	000NONPJ	matrix spike	3/30/2018	Pesticide	Naled	n/a	=	0.0238	µg/L	EPA 525.2m	0.0076	0.01			
2017/18-4	000NONPJ	matrix spike, rec	3/30/2018	Pesticide	Naled	n/a	=	48	%	EPA 525.2m	-88	-88	0.1	242	
2017/18-4	000NONPJ	matrix spike dup	3/30/2018	Pesticide	Naled	n/a	=	0.0223	µg/L	EPA 525.2m	0.0076	0.01			
2017/18-4	000NONPJ	matrix spike dup, rec	3/30/2018	Pesticide	Naled	n/a	=	45	%	EPA 525.2m	-88	-88	0.1	242	
2017/18-4	000NONPJ	matrix spike, RPD	3/30/2018	Pesticide	Naled	n/a	=	6	%	EPA 525.2m	-88	-88	0	30	
2017/18-4	Lab	method blank	3/30/2018	Pesticide	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01			
2017/18-4	Lab	LCS	3/30/2018	Pesticide	Naled	n/a	DNQ	0.0057	µg/L	EPA 525.2m	0	0.01			
2017/18-4	Lab	LCS, rec	3/30/2018	Pesticide	Naled	n/a	=	11	%	EPA 525.2m	-88	-88	0.1	240	
2017/18-4	MO-HUE	matrix spike	3/30/2018	Pesticide	Naled	n/a	=	0.0237	µg/L	EPA 525.2m	0.0076	0.01			
2017/18-4	MO-HUE	matrix spike, rec	3/30/2018	Pesticide	Naled	n/a	=	47	%	EPA 525.2m	-88	-88	0.1	242	
2017/18-4	MO-HUE	matrix spike dup	3/30/2018	Pesticide	Naled	n/a	=	0.0252	µg/L	EPA 525.2m	0.0076	0.01			
2017/18-4	MO-HUE	matrix spike dup, rec	3/30/2018	Pesticide	Naled	n/a	=	50	%	EPA 525.2m	-88	-88	0.1	242	
2017/18-4	MO-HUE	matrix spike, RPD	3/30/2018	Pesticide	Naled	n/a	=	6	%	EPA 525.2m	-88	-88	0	30	
2017/18-4	000NONPJ	matrix spike	3/26/2018	Pesticide	Pentachlorophenol	n/a	=	3.8	µg/L	EPA 515.3	0.04	0.2			
2017/18-4	000NONPJ	matrix spike, rec	3/26/2018	Pesticide	Pentachlorophenol	n/a	=	95	%	EPA 515.3	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike dup	3/26/2018	Pesticide	Pentachlorophenol	n/a	=	3.49	µg/L	EPA 515.3	0.04	0.2			
2017/18-4	000NONPJ	matrix spike dup, rec	3/26/2018	Pesticide	Pentachlorophenol	n/a	=	87	%	EPA 515.3	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike, RPD	3/26/2018	Pesticide	Pentachlorophenol	n/a	=	8	%	EPA 515.3	-88	-88	0	30	
2017/18-4	Lab	method blank	3/26/2018	Pesticide	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2			
2017/18-4	Lab	LCS	3/26/2018	Pesticide	Pentachlorophenol	n/a	=	4.31	µg/L	EPA 515.3	0.04	0.2			
2017/18-4	Lab	LCS, rec	3/26/2018	Pesticide	Pentachlorophenol	n/a	=	108	%	EPA 515.3	-88	-88	70	130	
2017/18-4	Lab	method blank	4/5/2018	Pesticide	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2017/18-4	Lab	LCS	4/5/2018	Pesticide	Pentachlorophenol	n/a	=	16.8	µg/L	EPA 625	0.19	1			
2017/18-4	Lab	LCS, rec	4/5/2018	Pesticide	Pentachlorophenol	n/a	=	67	%	EPA 625	-88	-88	14	176	
2017/18-4	Lab	LCS dup	4/5/2018	Pesticide	Pentachlorophenol	n/a	=	18.2	µg/L	EPA 625	0.19	1			
2017/18-4	Lab	LCS dup, rec	4/5/2018	Pesticide	Pentachlorophenol	n/a	=	73	%	EPA 625	-88	-88	14	176	
2017/18-4	Lab	LCS, RPD	4/5/2018	Pesticide	Pentachlorophenol	n/a	=	8	%	EPA 625	-88	-88	0	30	
2017/18-4	Lab	method blank	4/10/2018	Pesticide	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1			
2017/18-4	Lab	LCS	4/10/2018	Pesticide	Pentachlorophenol	n/a	=	5.6	µg/L	EPA 8270C	0.15	1			
2017/18-4	Lab	LCS, rec	4/10/2018	Pesticide	Pentachlorophenol	n/a	=	56	%	EPA 8270C	-88	-88	29	106	
2017/18-4	Lab	LCS dup	4/10/2018	Pesticide	Pentachlorophenol	n/a	=	5.69	µg/L	EPA 8270C	0.15	1			
2017/18-4	Lab	LCS dup, rec	4/10/2018	Pesticide	Pentachlorophenol	n/a	=	57	%	EPA 8270C	-88	-88	29	106	
2017/18-4	Lab	LCS, RPD	4/10/2018	Pesticide	Pentachlorophenol	n/a	=	2	%	EPA 8270C	-88	-88	0	30	
2017/18-4	000NONPJ	matrix spike	3/30/2018	Pesticide	Phorate	n/a	=	0.0807	µg/L	EPA 525.2m	0.003	0.01			
2017/18-4	000NONPJ	matrix spike, rec	3/30/2018	Pesticide	Phorate	n/a	=	161	%	EPA 525.2m	-88	-88	31	181	
2017/18-4	000NONPJ	matrix spike dup	3/30/2018	Pesticide	Phorate	n/a	=	0.0801	µg/L	EPA 525.2m	0.003	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-4	000NONPJ	matrix spike dup, rec	3/30/2018	Pesticide	Phorate	n/a	=	160	%	EPA 525.2m	-88	-88	31	181	
2017/18-4	000NONPJ	matrix spike, RPD	3/30/2018	Pesticide	Phorate	n/a	=	0.7	%	EPA 525.2m	-88	-88	0	30	
2017/18-4	Lab	method blank	3/30/2018	Pesticide	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01			
2017/18-4	Lab	LCS	3/30/2018	Pesticide	Phorate	n/a	=	0.0409	µg/L	EPA 525.2m	0.003	0.01			
2017/18-4	Lab	LCS, rec	3/30/2018	Pesticide	Phorate	n/a	=	82	%	EPA 525.2m	-88	-88	26	180	
2017/18-4	MO-HUE	matrix spike	3/30/2018	Pesticide	Phorate	n/a	=	0.0658	µg/L	EPA 525.2m	0.003	0.01			
2017/18-4	MO-HUE	matrix spike, rec	3/30/2018	Pesticide	Phorate	n/a	=	132	%	EPA 525.2m	-88	-88	31	181	
2017/18-4	MO-HUE	matrix spike dup	3/30/2018	Pesticide	Phorate	n/a	=	0.0751	µg/L	EPA 525.2m	0.003	0.01			
2017/18-4	MO-HUE	matrix spike dup, rec	3/30/2018	Pesticide	Phorate	n/a	=	150	%	EPA 525.2m	-88	-88	31	181	
2017/18-4	MO-HUE	matrix spike, RPD	3/30/2018	Pesticide	Phorate	n/a	=	13	%	EPA 525.2m	-88	-88	0	30	
2017/18-4	000NONPJ	matrix spike	3/26/2018	Pesticide	Picloram	n/a	=	4.3	µg/L	EPA 515.3	0.05	0.6			
2017/18-4	000NONPJ	matrix spike, rec	3/26/2018	Pesticide	Picloram	n/a	=	108	%	EPA 515.3	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike dup	3/26/2018	Pesticide	Picloram	n/a	=	3.92	µg/L	EPA 515.3	0.05	0.6			
2017/18-4	000NONPJ	matrix spike dup, rec	3/26/2018	Pesticide	Picloram	n/a	=	98	%	EPA 515.3	-88	-88	70	130	
2017/18-4	000NONPJ	matrix spike, RPD	3/26/2018	Pesticide	Picloram	n/a	=	9	%	EPA 515.3	-88	-88	0	30	
2017/18-4	Lab	method blank	3/26/2018	Pesticide	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6			
2017/18-4	Lab	LCS	3/26/2018	Pesticide	Picloram	n/a	=	4.7	µg/L	EPA 515.3	0.05	0.6			
2017/18-4	Lab	LCS, rec	3/26/2018	Pesticide	Picloram	n/a	=	118	%	EPA 515.3	-88	-88	70	130	
2017/18-4	Lab	method blank	4/4/2018	Pesticide	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2017/18-4	Lab	LCS	4/4/2018	Pesticide	Prometon	n/a	=	2.13	µg/L	EPA 525.2	0.024	0.2			
2017/18-4	Lab	LCS, rec	4/4/2018	Pesticide	Prometon	n/a	=	43	%	EPA 525.2	-88	-88	15	120	
2017/18-4	Lab	LCS dup	4/4/2018	Pesticide	Prometon	n/a	=	1.86	µg/L	EPA 525.2	0.024	0.2			
2017/18-4	Lab	LCS dup, rec	4/4/2018	Pesticide	Prometon	n/a	=	37	%	EPA 525.2	-88	-88	15	120	
2017/18-4	Lab	LCS, RPD	4/4/2018	Pesticide	Prometon	n/a	=	14	%	EPA 525.2	-88	-88	0	30	
2017/18-4	Lab	method blank	4/4/2018	Pesticide	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1			
2017/18-4	Lab	LCS	4/4/2018	Pesticide	Prometryn	n/a	=	4.13	µg/L	EPA 525.2	0.036	0.1			
2017/18-4	Lab	LCS, rec	4/4/2018	Pesticide	Prometryn	n/a	=	83	%	EPA 525.2	-88	-88	30	120	
2017/18-4	Lab	LCS dup	4/4/2018	Pesticide	Prometryn	n/a	=	4.09	µg/L	EPA 525.2	0.036	0.1			
2017/18-4	Lab	LCS dup, rec	4/4/2018	Pesticide	Prometryn	n/a	=	82	%	EPA 525.2	-88	-88	30	120	
2017/18-4	Lab	LCS, RPD	4/4/2018	Pesticide	Prometryn	n/a	=	1	%	EPA 525.2	-88	-88	0	30	
2017/18-4	000NONPJ	matrix spike	3/30/2018	Pesticide	Ronnel (Fenchlorphos)	n/a	=	0.0722	µg/L	EPA 525.2m	0.0041	0.01			
2017/18-4	000NONPJ	matrix spike, rec	3/30/2018	Pesticide	Ronnel (Fenchlorphos)	n/a	=	144	%	EPA 525.2m	-88	-88	29	153	
2017/18-4	000NONPJ	matrix spike dup	3/30/2018	Pesticide	Ronnel (Fenchlorphos)	n/a	=	0.0694	µg/L	EPA 525.2m	0.0041	0.01			
2017/18-4	000NONPJ	matrix spike dup, rec	3/30/2018	Pesticide	Ronnel (Fenchlorphos)	n/a	=	139	%	EPA 525.2m	-88	-88	29	153	
2017/18-4	000NONPJ	matrix spike, RPD	3/30/2018	Pesticide	Ronnel (Fenchlorphos)	n/a	=	4	%	EPA 525.2m	-88	-88	0	30	
2017/18-4	Lab	method blank	3/30/2018	Pesticide	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01			
2017/18-4	Lab	LCS	3/30/2018	Pesticide	Ronnel (Fenchlorphos)	n/a	=	0.0399	µg/L	EPA 525.2m	0.0041	0.01			
2017/18-4	Lab	LCS, rec	3/30/2018	Pesticide	Ronnel (Fenchlorphos)	n/a	=	80	%	EPA 525.2m	-88	-88	34	154	
2017/18-4	MO-HUE	matrix spike	3/30/2018	Pesticide	Ronnel (Fenchlorphos)	n/a	=	0.0607	µg/L	EPA 525.2m	0.0041	0.01			
2017/18-4	MO-HUE	matrix spike, rec	3/30/2018	Pesticide	Ronnel (Fenchlorphos)	n/a	=	121	%	EPA 525.2m	-88	-88	29	153	
2017/18-4	MO-HUE	matrix spike dup	3/30/2018	Pesticide	Ronnel (Fenchlorphos)	n/a	=	0.0734	µg/L	EPA 525.2m	0.0041	0.01			
2017/18-4	MO-HUE	matrix spike dup, rec	3/30/2018	Pesticide	Ronnel (Fenchlorphos)	n/a	=	147	%	EPA 525.2m	-88	-88	29	153	
2017/18-4	MO-HUE	matrix spike, RPD	3/30/2018	Pesticide	Ronnel (Fenchlorphos)	n/a	=	19	%	EPA 525.2m	-88	-88	0	30	
2017/18-4	Lab	method blank	4/4/2018	Pesticide	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2017/18-4	Lab	LCS	4/4/2018	Pesticide	Simazine	n/a	=	5.03	µg/L	EPA 525.2	0.015	0.1			
2017/18-4	Lab	LCS, rec	4/4/2018	Pesticide	Simazine	n/a	=	101	%	EPA 525.2	-88	-88	60	130	
2017/18-4	Lab	LCS dup	4/4/2018	Pesticide	Simazine	n/a	=	5	µg/L	EPA 525.2	0.015	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-4	Lab	LCS dup, rec	4/4/2018	Pesticide	Simazine	n/a	=	100	%	EPA 525.2	-88	-88	60	130	
2017/18-4	Lab	LCS, RPD	4/4/2018	Pesticide	Simazine	n/a	=	0.6	%	EPA 525.2	-88	-88	0	30	
2017/18-4	000NONPJ	matrix spike	3/30/2018	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0682	µg/L	EPA 525.2m	0.0031	0.01			
2017/18-4	000NONPJ	matrix spike, rec	3/30/2018	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	136	%	EPA 525.2m	-88	-88	0.1	167	
2017/18-4	000NONPJ	matrix spike dup	3/30/2018	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.08	µg/L	EPA 525.2m	0.0031	0.01			
2017/18-4	000NONPJ	matrix spike dup, rec	3/30/2018	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	160	%	EPA 525.2m	-88	-88	0.1	167	
2017/18-4	000NONPJ	matrix spike, RPD	3/30/2018	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	16	%	EPA 525.2m	-88	-88	0	30	
2017/18-4	Lab	method blank	3/30/2018	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01			
2017/18-4	Lab	LCS	3/30/2018	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0585	µg/L	EPA 525.2m	0.0031	0.01			
2017/18-4	Lab	LCS, rec	3/30/2018	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	117	%	EPA 525.2m	-88	-88	0.1	188	
2017/18-4	MO-HUE	matrix spike	3/30/2018	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0653	µg/L	EPA 525.2m	0.0031	0.01			
2017/18-4	MO-HUE	matrix spike, rec	3/30/2018	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	131	%	EPA 525.2m	-88	-88	0.1	167	
2017/18-4	MO-HUE	matrix spike dup	3/30/2018	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.104	µg/L	EPA 525.2m	0.0031	0.01			GB
2017/18-4	MO-HUE	matrix spike dup, rec	3/30/2018	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	208	%	EPA 525.2m	-88	-88	0.1	167	GB
2017/18-4	MO-HUE	matrix spike, RPD	3/30/2018	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	46	%	EPA 525.2m	-88	-88	0	30	IL
2017/18-4	Lab	method blank	4/4/2018	Pesticide	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2			
2017/18-4	Lab	LCS	4/4/2018	Pesticide	Terbacil	n/a	=	5.83	µg/L	EPA 525.2	0.55	2			
2017/18-4	Lab	LCS, rec	4/4/2018	Pesticide	Terbacil	n/a	=	117	%	EPA 525.2	-88	-88	70	130	
2017/18-4	Lab	LCS dup	4/4/2018	Pesticide	Terbacil	n/a	=	5.98	µg/L	EPA 525.2	0.55	2			
2017/18-4	Lab	LCS dup, rec	4/4/2018	Pesticide	Terbacil	n/a	=	120	%	EPA 525.2	-88	-88	70	130	
2017/18-4	Lab	LCS, RPD	4/4/2018	Pesticide	Terbacil	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2017/18-4	Lab	method blank	4/4/2018	Pesticide	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2			
2017/18-4	Lab	LCS	4/4/2018	Pesticide	Thiobencarb	n/a	=	5.08	µg/L	EPA 525.2	0.025	0.2			
2017/18-4	Lab	LCS, rec	4/4/2018	Pesticide	Thiobencarb	n/a	=	102	%	EPA 525.2	-88	-88	70	130	
2017/18-4	Lab	LCS dup	4/4/2018	Pesticide	Thiobencarb	n/a	=	5.15	µg/L	EPA 525.2	0.025	0.2			
2017/18-4	Lab	LCS dup, rec	4/4/2018	Pesticide	Thiobencarb	n/a	=	103	%	EPA 525.2	-88	-88	70	130	
2017/18-4	Lab	LCS, RPD	4/4/2018	Pesticide	Thiobencarb	n/a	=	1	%	EPA 525.2	-88	-88	0	30	
2017/18-4	000NONPJ	matrix spike	3/30/2018	Pesticide	Tokuthion	n/a	=	0.0784	µg/L	EPA 525.2m	0.0078	0.01			
2017/18-4	000NONPJ	matrix spike, rec	3/30/2018	Pesticide	Tokuthion	n/a	=	157	%	EPA 525.2m	-88	-88	27	160	
2017/18-4	000NONPJ	matrix spike dup	3/30/2018	Pesticide	Tokuthion	n/a	=	0.0592	µg/L	EPA 525.2m	0.0078	0.01			
2017/18-4	000NONPJ	matrix spike dup, rec	3/30/2018	Pesticide	Tokuthion	n/a	=	118	%	EPA 525.2m	-88	-88	27	160	
2017/18-4	000NONPJ	matrix spike, RPD	3/30/2018	Pesticide	Tokuthion	n/a	=	28	%	EPA 525.2m	-88	-88	0	30	
2017/18-4	Lab	method blank	3/30/2018	Pesticide	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01			
2017/18-4	Lab	LCS	3/30/2018	Pesticide	Tokuthion	n/a	=	0.0378	µg/L	EPA 525.2m	0.0078	0.01			
2017/18-4	Lab	LCS, rec	3/30/2018	Pesticide	Tokuthion	n/a	=	76	%	EPA 525.2m	-88	-88	23	159	
2017/18-4	MO-HUE	matrix spike	3/30/2018	Pesticide	Tokuthion	n/a	=	0.0479	µg/L	EPA 525.2m	0.0078	0.01			
2017/18-4	MO-HUE	matrix spike, rec	3/30/2018	Pesticide	Tokuthion	n/a	=	96	%	EPA 525.2m	-88	-88	27	160	
2017/18-4	MO-HUE	matrix spike dup	3/30/2018	Pesticide	Tokuthion	n/a	=	0.0432	µg/L	EPA 525.2m	0.0078	0.01			
2017/18-4	MO-HUE	matrix spike dup, rec	3/30/2018	Pesticide	Tokuthion	n/a	=	86	%	EPA 525.2m	-88	-88	27	160	
2017/18-4	MO-HUE	matrix spike, RPD	3/30/2018	Pesticide	Tokuthion	n/a	=	10	%	EPA 525.2m	-88	-88	0	30	
2017/18-4	000NONPJ	matrix spike	3/30/2018	Pesticide	Trichloronate	n/a	=	0.0652	µg/L	EPA 525.2m	0.0067	0.01			
2017/18-4	000NONPJ	matrix spike, rec	3/30/2018	Pesticide	Trichloronate	n/a	=	130	%	EPA 525.2m	-88	-88	40	150	
2017/18-4	000NONPJ	matrix spike dup	3/30/2018	Pesticide	Trichloronate	n/a	=	0.0628	µg/L	EPA 525.2m	0.0067	0.01			
2017/18-4	000NONPJ	matrix spike dup, rec	3/30/2018	Pesticide	Trichloronate	n/a	=	126	%	EPA 525.2m	-88	-88	40	150	
2017/18-4	000NONPJ	matrix spike, RPD	3/30/2018	Pesticide	Trichloronate	n/a	=	4	%	EPA 525.2m	-88	-88	0	30	
2017/18-4	Lab	method blank	3/30/2018	Pesticide	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01			
2017/18-4	Lab	LCS	3/30/2018	Pesticide	Trichloronate	n/a	=	0.0412	µg/L	EPA 525.2m	0.0067	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-4	Lab	LCS, rec	3/30/2018	Pesticide	Trichloronate	n/a	=	82	%	EPA 525.2m	-88	-88	34	153	
2017/18-4	MO-HUE	matrix spike	3/30/2018	Pesticide	Trichloronate	n/a	=	0.056	µg/L	EPA 525.2m	0.0067	0.01			
2017/18-4	MO-HUE	matrix spike, rec	3/30/2018	Pesticide	Trichloronate	n/a	=	112	%	EPA 525.2m	-88	-88	40	150	
2017/18-4	MO-HUE	matrix spike dup	3/30/2018	Pesticide	Trichloronate	n/a	=	0.0676	µg/L	EPA 525.2m	0.0067	0.01			
2017/18-4	MO-HUE	matrix spike dup, rec	3/30/2018	Pesticide	Trichloronate	n/a	=	135	%	EPA 525.2m	-88	-88	40	150	
2017/18-4	MO-HUE	matrix spike, RPD	3/30/2018	Pesticide	Trichloronate	n/a	=	19	%	EPA 525.2m	-88	-88	0	30	
2017/18-4	Lab	method blank	4/4/2018	Pesticide	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2017/18-4	Lab	LCS	4/4/2018	Pesticide	Trithion	n/a	=	5.19	µg/L	EPA 525.2	0.012	0.1			
2017/18-4	Lab	LCS, rec	4/4/2018	Pesticide	Trithion	n/a	=	104	%	EPA 525.2	-88	-88	70	130	
2017/18-4	Lab	LCS dup	4/4/2018	Pesticide	Trithion	n/a	=	5.63	µg/L	EPA 525.2	0.012	0.1			
2017/18-4	Lab	LCS dup, rec	4/4/2018	Pesticide	Trithion	n/a	=	113	%	EPA 525.2	-88	-88	70	130	
2017/18-4	Lab	LCS, RPD	4/4/2018	Pesticide	Trithion	n/a	=	8	%	EPA 525.2	-88	-88	0	30	
2017/18-5	000NONPJ	matrix spike	6/4/2018	Anion	Chloride	n/a	=	202	mg/L	EPA 300.0	1	5			
2017/18-5	000NONPJ	matrix spike	6/4/2018	Anion	Chloride	n/a	=	210	mg/L	EPA 300.0	1	5			
2017/18-5	000NONPJ	matrix spike dup	6/4/2018	Anion	Chloride	n/a	=	210	mg/L	EPA 300.0	1	5			
2017/18-5	000NONPJ	matrix spike dup	6/4/2018	Anion	Chloride	n/a	=	201	mg/L	EPA 300.0	1	5			
2017/18-5	000NONPJ	matrix spike dup, rec	6/4/2018	Anion	Chloride	n/a	=	110	%	EPA 300.0	-88	-88	76	118	
2017/18-5	000NONPJ	matrix spike dup, rec	6/4/2018	Anion	Chloride	n/a	=	111	%	EPA 300.0	-88	-88	76	118	
2017/18-5	000NONPJ	matrix spike, rec	6/4/2018	Anion	Chloride	n/a	=	112	%	EPA 300.0	-88	-88	76	118	
2017/18-5	000NONPJ	matrix spike, rec	6/4/2018	Anion	Chloride	n/a	=	110	%	EPA 300.0	-88	-88	76	118	
2017/18-5	000NONPJ	matrix spike, RPD	6/4/2018	Anion	Chloride	n/a	=	0.005	%	EPA 300.0	-88	-88	0	20	
2017/18-5	000NONPJ	matrix spike, RPD	6/4/2018	Anion	Chloride	n/a	=	0.5	%	EPA 300.0	-88	-88	0	20	
2017/18-5	000NONPJ	matrix spike	6/16/2018	Anion	Chloride	n/a	=	183	mg/L	EPA 300.0	1	5			
2017/18-5	000NONPJ	matrix spike	6/16/2018	Anion	Chloride	n/a	=	124	mg/L	EPA 300.0	1	5			
2017/18-5	000NONPJ	matrix spike dup	6/16/2018	Anion	Chloride	n/a	=	183	mg/L	EPA 300.0	1	5			
2017/18-5	000NONPJ	matrix spike dup	6/16/2018	Anion	Chloride	n/a	=	124	mg/L	EPA 300.0	1	5			
2017/18-5	000NONPJ	matrix spike dup, rec	6/16/2018	Anion	Chloride	n/a	=	96	%	EPA 300.0	-88	-88	76	118	
2017/18-5	000NONPJ	matrix spike dup, rec	6/16/2018	Anion	Chloride	n/a	=	98	%	EPA 300.0	-88	-88	76	118	
2017/18-5	000NONPJ	matrix spike, rec	6/16/2018	Anion	Chloride	n/a	=	98	%	EPA 300.0	-88	-88	76	118	
2017/18-5	000NONPJ	matrix spike, rec	6/16/2018	Anion	Chloride	n/a	=	96	%	EPA 300.0	-88	-88	76	118	
2017/18-5	000NONPJ	matrix spike, RPD	6/16/2018	Anion	Chloride	n/a	=	0.2	%	EPA 300.0	-88	-88	0	20	
2017/18-5	000NONPJ	matrix spike, RPD	6/16/2018	Anion	Chloride	n/a	=	0.2	%	EPA 300.0	-88	-88	0	20	
2017/18-5	000NONPJ	matrix spike	6/27/2018	Anion	Chloride	n/a	=	220	mg/L	EPA 300.0	1	5			
2017/18-5	000NONPJ	matrix spike	6/27/2018	Anion	Chloride	n/a	=	325	mg/L	EPA 300.0	1	5			GB
2017/18-5	000NONPJ	matrix spike dup	6/27/2018	Anion	Chloride	n/a	=	220	mg/L	EPA 300.0	1	5			
2017/18-5	000NONPJ	matrix spike dup	6/27/2018	Anion	Chloride	n/a	=	325	mg/L	EPA 300.0	1	5			GB
2017/18-5	000NONPJ	matrix spike dup, rec	6/27/2018	Anion	Chloride	n/a	=	125	%	EPA 300.0	-88	-88	76	118	GB
2017/18-5	000NONPJ	matrix spike dup, rec	6/27/2018	Anion	Chloride	n/a	=	93	%	EPA 300.0	-88	-88	76	118	
2017/18-5	000NONPJ	matrix spike, rec	6/27/2018	Anion	Chloride	n/a	=	125	%	EPA 300.0	-88	-88	76	118	GB
2017/18-5	000NONPJ	matrix spike, rec	6/27/2018	Anion	Chloride	n/a	=	93	%	EPA 300.0	-88	-88	76	118	
2017/18-5	000NONPJ	matrix spike, RPD	6/27/2018	Anion	Chloride	n/a	=	0.1	%	EPA 300.0	-88	-88	0	20	
2017/18-5	000NONPJ	matrix spike, RPD	6/27/2018	Anion	Chloride	n/a	=	0.1	%	EPA 300.0	-88	-88	0	20	
2017/18-5	000NONPJ	matrix spike	7/9/2018	Anion	Chloride	n/a	=	157	mg/L	EPA 300.0	1	5			
2017/18-5	000NONPJ	matrix spike	7/9/2018	Anion	Chloride	n/a	=	175	mg/L	EPA 300.0	1	5			
2017/18-5	000NONPJ	matrix spike dup	7/9/2018	Anion	Chloride	n/a	=	158	mg/L	EPA 300.0	1	5			
2017/18-5	000NONPJ	matrix spike dup	7/9/2018	Anion	Chloride	n/a	=	175	mg/L	EPA 300.0	1	5			
2017/18-5	000NONPJ	matrix spike dup, rec	7/9/2018	Anion	Chloride	n/a	=	100	%	EPA 300.0	-88	-88	76	118	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	000NONPJ	matrix spike dup, rec	7/9/2018	Anion	Chloride	n/a	=	96	%	EPA 300.0	-88	-88	76	118	
2017/18-5	000NONPJ	matrix spike, rec	7/9/2018	Anion	Chloride	n/a	=	99	%	EPA 300.0	-88	-88	76	118	
2017/18-5	000NONPJ	matrix spike, rec	7/9/2018	Anion	Chloride	n/a	=	95	%	EPA 300.0	-88	-88	76	118	
2017/18-5	000NONPJ	matrix spike, RPD	7/9/2018	Anion	Chloride	n/a	=	0.1	%	EPA 300.0	-88	-88	0	20	
2017/18-5	000NONPJ	matrix spike, RPD	7/9/2018	Anion	Chloride	n/a	=	0.08	%	EPA 300.0	-88	-88	0	20	
2017/18-5	Lab	LCS	6/4/2018	Anion	Chloride	n/a	=	10.1	mg/L	EPA 300.0	0.1	0.5			
2017/18-5	Lab	LCS, rec	6/4/2018	Anion	Chloride	n/a	=	101	%	EPA 300.0	-88	-88	90	110	
2017/18-5	Lab	method blank	6/4/2018	Anion	Chloride	n/a	DNQ	0.113	mg/L	EPA 300.0	0.1	0.5			IP
2017/18-5	Lab	LCS	6/16/2018	Anion	Chloride	n/a	=	9.89	mg/L	EPA 300.0	0.1	0.5			
2017/18-5	Lab	LCS, rec	6/16/2018	Anion	Chloride	n/a	=	99	%	EPA 300.0	-88	-88	90	110	
2017/18-5	Lab	method blank	6/16/2018	Anion	Chloride	n/a	<	0.1	mg/L	EPA 300.0	0.1	0.5			
2017/18-5	Lab	LCS	6/27/2018	Anion	Chloride	n/a	=	9.6	mg/L	EPA 300.0	0.1	0.5			
2017/18-5	Lab	LCS, rec	6/27/2018	Anion	Chloride	n/a	=	96	%	EPA 300.0	-88	-88	90	110	
2017/18-5	Lab	method blank	6/27/2018	Anion	Chloride	n/a	<	0.1	mg/L	EPA 300.0	0.1	0.5			
2017/18-5	Lab	LCS	7/9/2018	Anion	Chloride	n/a	=	9.65	mg/L	EPA 300.0	0.1	0.5			
2017/18-5	Lab	LCS, rec	7/9/2018	Anion	Chloride	n/a	=	97	%	EPA 300.0	-88	-88	90	110	
2017/18-5	Lab	method blank	7/9/2018	Anion	Chloride	n/a	<	0.1	mg/L	EPA 300.0	0.1	0.5			
2017/18-5	000NONPJ	matrix spike	6/4/2018	Anion	Fluoride	n/a	=	11.2	mg/L	EPA 300.0	0.2	1			
2017/18-5	000NONPJ	matrix spike	6/4/2018	Anion	Fluoride	n/a	=	11.3	mg/L	EPA 300.0	0.2	1			
2017/18-5	000NONPJ	matrix spike dup	6/4/2018	Anion	Fluoride	n/a	=	11.2	mg/L	EPA 300.0	0.2	1			
2017/18-5	000NONPJ	matrix spike dup	6/4/2018	Anion	Fluoride	n/a	=	11.2	mg/L	EPA 300.0	0.2	1			
2017/18-5	000NONPJ	matrix spike dup, rec	6/4/2018	Anion	Fluoride	n/a	=	106	%	EPA 300.0	-88	-88	86	107	
2017/18-5	000NONPJ	matrix spike dup, rec	6/4/2018	Anion	Fluoride	n/a	=	107	%	EPA 300.0	-88	-88	86	107	
2017/18-5	000NONPJ	matrix spike, rec	6/4/2018	Anion	Fluoride	n/a	=	107	%	EPA 300.0	-88	-88	86	107	
2017/18-5	000NONPJ	matrix spike, RPD	6/4/2018	Anion	Fluoride	n/a	=	0.4	%	EPA 300.0	-88	-88	0	20	
2017/18-5	000NONPJ	matrix spike, RPD	6/4/2018	Anion	Fluoride	n/a	=	0.3	%	EPA 300.0	-88	-88	0	20	
2017/18-5	000NONPJ	matrix spike	6/16/2018	Anion	Fluoride	n/a	=	9.94	mg/L	EPA 300.0	0.2	1			
2017/18-5	000NONPJ	matrix spike	6/16/2018	Anion	Fluoride	n/a	=	10.6	mg/L	EPA 300.0	0.2	1			
2017/18-5	000NONPJ	matrix spike dup	6/16/2018	Anion	Fluoride	n/a	=	9.93	mg/L	EPA 300.0	0.2	1			
2017/18-5	000NONPJ	matrix spike dup	6/16/2018	Anion	Fluoride	n/a	=	10.5	mg/L	EPA 300.0	0.2	1			
2017/18-5	000NONPJ	matrix spike dup, rec	6/16/2018	Anion	Fluoride	n/a	=	101	%	EPA 300.0	-88	-88	86	107	
2017/18-5	000NONPJ	matrix spike dup, rec	6/16/2018	Anion	Fluoride	n/a	=	99	%	EPA 300.0	-88	-88	86	107	
2017/18-5	000NONPJ	matrix spike, rec	6/16/2018	Anion	Fluoride	n/a	=	99	%	EPA 300.0	-88	-88	86	107	
2017/18-5	000NONPJ	matrix spike, rec	6/16/2018	Anion	Fluoride	n/a	=	101	%	EPA 300.0	-88	-88	86	107	
2017/18-5	000NONPJ	matrix spike, RPD	6/16/2018	Anion	Fluoride	n/a	=	0.4	%	EPA 300.0	-88	-88	0	20	
2017/18-5	000NONPJ	matrix spike, RPD	6/16/2018	Anion	Fluoride	n/a	=	0.1	%	EPA 300.0	-88	-88	0	20	
2017/18-5	000NONPJ	matrix spike	6/27/2018	Anion	Fluoride	n/a	=	9.54	mg/L	EPA 300.0	0.2	1			
2017/18-5	000NONPJ	matrix spike	6/27/2018	Anion	Fluoride	n/a	=	9.3	mg/L	EPA 300.0	0.2	1			
2017/18-5	000NONPJ	matrix spike dup	6/27/2018	Anion	Fluoride	n/a	=	9.6	mg/L	EPA 300.0	0.2	1			
2017/18-5	000NONPJ	matrix spike dup	6/27/2018	Anion	Fluoride	n/a	=	9.23	mg/L	EPA 300.0	0.2	1			
2017/18-5	000NONPJ	matrix spike dup, rec	6/27/2018	Anion	Fluoride	n/a	=	92	%	EPA 300.0	-88	-88	86	107	
2017/18-5	000NONPJ	matrix spike dup, rec	6/27/2018	Anion	Fluoride	n/a	=	92	%	EPA 300.0	-88	-88	86	107	
2017/18-5	000NONPJ	matrix spike, rec	6/27/2018	Anion	Fluoride	n/a	=	93	%	EPA 300.0	-88	-88	86	107	
2017/18-5	000NONPJ	matrix spike, rec	6/27/2018	Anion	Fluoride	n/a	=	92	%	EPA 300.0	-88	-88	86	107	
2017/18-5	000NONPJ	matrix spike, RPD	6/27/2018	Anion	Fluoride	n/a	=	0.6	%	EPA 300.0	-88	-88	0	20	
2017/18-5	000NONPJ	matrix spike, RPD	6/27/2018	Anion	Fluoride	n/a	=	0.8	%	EPA 300.0	-88	-88	0	20	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	000NONPJ	matrix spike	7/9/2018	Anion	Fluoride	n/a	=	10.4	mg/L	EPA 300.0	0.2	1			
2017/18-5	000NONPJ	matrix spike	7/9/2018	Anion	Fluoride	n/a	=	10.3	mg/L	EPA 300.0	0.2	1			
2017/18-5	000NONPJ	matrix spike dup	7/9/2018	Anion	Fluoride	n/a	=	10.2	mg/L	EPA 300.0	0.2	1			
2017/18-5	000NONPJ	matrix spike dup	7/9/2018	Anion	Fluoride	n/a	=	10.4	mg/L	EPA 300.0	0.2	1			
2017/18-5	000NONPJ	matrix spike dup, rec	7/9/2018	Anion	Fluoride	n/a	=	98	%	EPA 300.0	-88	-88	86	107	
2017/18-5	000NONPJ	matrix spike dup, rec	7/9/2018	Anion	Fluoride	n/a	=	102	%	EPA 300.0	-88	-88	86	107	
2017/18-5	000NONPJ	matrix spike, rec	7/9/2018	Anion	Fluoride	n/a	=	103	%	EPA 300.0	-88	-88	86	107	
2017/18-5	000NONPJ	matrix spike, rec	7/9/2018	Anion	Fluoride	n/a	=	98	%	EPA 300.0	-88	-88	86	107	
2017/18-5	000NONPJ	matrix spike, RPD	7/9/2018	Anion	Fluoride	n/a	=	0.2	%	EPA 300.0	-88	-88	0	20	
2017/18-5	000NONPJ	matrix spike, RPD	7/9/2018	Anion	Fluoride	n/a	=	0.9	%	EPA 300.0	-88	-88	0	20	
2017/18-5	Lab	LCS	6/4/2018	Anion	Fluoride	n/a	=	1.01	mg/L	EPA 300.0	0.02	0.1			
2017/18-5	Lab	LCS, rec	6/4/2018	Anion	Fluoride	n/a	=	101	%	EPA 300.0	-88	-88	90	110	
2017/18-5	Lab	method blank	6/4/2018	Anion	Fluoride	n/a	<	0.02	mg/L	EPA 300.0	0.02	0.1			
2017/18-5	Lab	LCS	6/16/2018	Anion	Fluoride	n/a	=	1.04	mg/L	EPA 300.0	0.02	0.1			
2017/18-5	Lab	LCS, rec	6/16/2018	Anion	Fluoride	n/a	=	104	%	EPA 300.0	-88	-88	90	110	
2017/18-5	Lab	method blank	6/16/2018	Anion	Fluoride	n/a	<	0.02	mg/L	EPA 300.0	0.02	0.1			
2017/18-5	Lab	LCS	6/27/2018	Anion	Fluoride	n/a	=	0.935	mg/L	EPA 300.0	0.02	0.1			
2017/18-5	Lab	LCS, rec	6/27/2018	Anion	Fluoride	n/a	=	94	%	EPA 300.0	-88	-88	90	110	
2017/18-5	Lab	method blank	6/27/2018	Anion	Fluoride	n/a	<	0.02	mg/L	EPA 300.0	0.02	0.1			
2017/18-5	Lab	LCS	7/9/2018	Anion	Fluoride	n/a	=	0.998	mg/L	EPA 300.0	0.02	0.1			
2017/18-5	Lab	LCS, rec	7/9/2018	Anion	Fluoride	n/a	=	100	%	EPA 300.0	-88	-88	90	110	
2017/18-5	Lab	method blank	7/9/2018	Anion	Fluoride	n/a	<	0.02	mg/L	EPA 300.0	0.02	0.1			
2017/18-5	000NONPJ	matrix spike	6/6/2018	Anion	Perchlorate	n/a	=	7.43	µg/L	EPA 314.0	0.95	2			GB
2017/18-5	000NONPJ	matrix spike, rec	6/6/2018	Anion	Perchlorate	n/a	=	74	%	EPA 314.0	-88	-88	80	120	GB
2017/18-5	000NONPJ	matrix spike dup	6/7/2018	Anion	Perchlorate	n/a	=	6.83	µg/L	EPA 314.0	0.95	2			GB
2017/18-5	000NONPJ	matrix spike dup, rec	6/7/2018	Anion	Perchlorate	n/a	=	68	%	EPA 314.0	-88	-88	80	120	GB
2017/18-5	000NONPJ	matrix spike, RPD	6/7/2018	Anion	Perchlorate	n/a	=	8	%	EPA 314.0	-88	-88	0	15	
2017/18-5	000NONPJ	matrix spike	6/21/2018	Anion	Perchlorate	n/a	=	17.7	µg/L	EPA 314.0	0.95	2			
2017/18-5	000NONPJ	matrix spike, rec	6/21/2018	Anion	Perchlorate	n/a	=	108	%	EPA 314.0	-88	-88	80	120	
2017/18-5	000NONPJ	matrix spike dup	6/21/2018	Anion	Perchlorate	n/a	=	17.3	µg/L	EPA 314.0	0.95	2			
2017/18-5	000NONPJ	matrix spike dup, rec	6/21/2018	Anion	Perchlorate	n/a	=	103	%	EPA 314.0	-88	-88	80	120	
2017/18-5	000NONPJ	matrix spike, RPD	6/21/2018	Anion	Perchlorate	n/a	=	2	%	EPA 314.0	-88	-88	0	15	
2017/18-5	000NONPJ	matrix spike	7/6/2018	Anion	Perchlorate	n/a	=	7.68	µg/L	EPA 314.0	0.95	2			GB
2017/18-5	000NONPJ	matrix spike, rec	7/6/2018	Anion	Perchlorate	n/a	=	77	%	EPA 314.0	-88	-88	80	120	GB
2017/18-5	000NONPJ	matrix spike dup	7/6/2018	Anion	Perchlorate	n/a	=	8.16	µg/L	EPA 314.0	0.95	2			
2017/18-5	000NONPJ	matrix spike dup, rec	7/6/2018	Anion	Perchlorate	n/a	=	82	%	EPA 314.0	-88	-88	80	120	
2017/18-5	000NONPJ	matrix spike, RPD	7/6/2018	Anion	Perchlorate	n/a	=	6	%	EPA 314.0	-88	-88	0	15	
2017/18-5	Lab	method blank	6/6/2018	Anion	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2			
2017/18-5	Lab	LCS	6/6/2018	Anion	Perchlorate	n/a	=	9.06	µg/L	EPA 314.0	0.95	2			
2017/18-5	Lab	LCS, rec	6/6/2018	Anion	Perchlorate	n/a	=	91	%	EPA 314.0	-88	-88	85	115	
2017/18-5	Lab	method blank	6/21/2018	Anion	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2			
2017/18-5	Lab	LCS	6/21/2018	Anion	Perchlorate	n/a	=	9.99	µg/L	EPA 314.0	0.95	2			
2017/18-5	Lab	LCS, rec	6/21/2018	Anion	Perchlorate	n/a	=	100	%	EPA 314.0	-88	-88	85	115	
2017/18-5	Lab	method blank	7/5/2018	Anion	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2			
2017/18-5	Lab	LCS	7/6/2018	Anion	Perchlorate	n/a	=	10.8	µg/L	EPA 314.0	0.95	2			
2017/18-5	Lab	LCS, rec	7/6/2018	Anion	Perchlorate	n/a	=	108	%	EPA 314.0	-88	-88	85	115	
2017/18-5	000NONPJ	matrix spike	6/4/2018	Anion	Sulfate	Total	=	225	mg/L	EPA 300.0	1	5			GB

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	000NONPJ	matrix spike	6/4/2018	Anion	Sulfate	Total	=	307	mg/L	EPA 300.0	1	5			GB
2017/18-5	000NONPJ	matrix spike dup	6/4/2018	Anion	Sulfate	Total	=	226	mg/L	EPA 300.0	1	5			GB
2017/18-5	000NONPJ	matrix spike dup	6/4/2018	Anion	Sulfate	Total	=	305	mg/L	EPA 300.0	1	5			GB
2017/18-5	000NONPJ	matrix spike dup, rec	6/4/2018	Anion	Sulfate	Total	=	117	%	EPA 300.0	-88	-88	78	111	GB
2017/18-5	000NONPJ	matrix spike dup, rec	6/4/2018	Anion	Sulfate	Total	=	127	%	EPA 300.0	-88	-88	78	111	GB
2017/18-5	000NONPJ	matrix spike, rec	6/4/2018	Anion	Sulfate	Total	=	119	%	EPA 300.0	-88	-88	78	111	GB
2017/18-5	000NONPJ	matrix spike, rec	6/4/2018	Anion	Sulfate	Total	=	127	%	EPA 300.0	-88	-88	78	111	GB
2017/18-5	000NONPJ	matrix spike, RPD	6/4/2018	Anion	Sulfate	Total	=	0.3	%	EPA 300.0	-88	-88	0	20	
2017/18-5	000NONPJ	matrix spike, RPD	6/4/2018	Anion	Sulfate	Total	=	0.6	%	EPA 300.0	-88	-88	0	20	
2017/18-5	000NONPJ	matrix spike	6/16/2018	Anion	Sulfate	Total	=	454	mg/L	EPA 300.0	1	5			GB
2017/18-5	000NONPJ	matrix spike	6/16/2018	Anion	Sulfate	Total	=	288	mg/L	EPA 300.0	1	5			
2017/18-5	000NONPJ	matrix spike dup	6/16/2018	Anion	Sulfate	Total	=	287	mg/L	EPA 300.0	1	5			
2017/18-5	000NONPJ	matrix spike dup	6/16/2018	Anion	Sulfate	Total	=	450	mg/L	EPA 300.0	1	5			GB
2017/18-5	000NONPJ	matrix spike dup, rec	6/16/2018	Anion	Sulfate	Total	=	121	%	EPA 300.0	-88	-88	78	111	GB
2017/18-5	000NONPJ	matrix spike dup, rec	6/16/2018	Anion	Sulfate	Total	=	103	%	EPA 300.0	-88	-88	78	111	
2017/18-5	000NONPJ	matrix spike, rec	6/16/2018	Anion	Sulfate	Total	=	125	%	EPA 300.0	-88	-88	78	111	GB
2017/18-5	000NONPJ	matrix spike, rec	6/16/2018	Anion	Sulfate	Total	=	104	%	EPA 300.0	-88	-88	78	111	
2017/18-5	000NONPJ	matrix spike, RPD	6/16/2018	Anion	Sulfate	Total	=	0.9	%	EPA 300.0	-88	-88	0	20	
2017/18-5	000NONPJ	matrix spike, RPD	6/16/2018	Anion	Sulfate	Total	=	0.4	%	EPA 300.0	-88	-88	0	20	
2017/18-5	000NONPJ	matrix spike	6/27/2018	Anion	Sulfate	Total	=	1770	mg/L	EPA 300.0	1	5			GB
2017/18-5	000NONPJ	matrix spike	6/27/2018	Anion	Sulfate	Total	=	138	mg/L	EPA 300.0	1	5			
2017/18-5	000NONPJ	matrix spike dup	6/27/2018	Anion	Sulfate	Total	=	138	mg/L	EPA 300.0	1	5			
2017/18-5	000NONPJ	matrix spike dup	6/27/2018	Anion	Sulfate	Total	=	1790	mg/L	EPA 300.0	1	5			GB
2017/18-5	000NONPJ	matrix spike dup, rec	6/27/2018	Anion	Sulfate	Total	=	203	%	EPA 300.0	-88	-88	78	111	GB
2017/18-5	000NONPJ	matrix spike dup, rec	6/27/2018	Anion	Sulfate	Total	=	97	%	EPA 300.0	-88	-88	78	111	
2017/18-5	000NONPJ	matrix spike, rec	6/27/2018	Anion	Sulfate	Total	=	96	%	EPA 300.0	-88	-88	78	111	
2017/18-5	000NONPJ	matrix spike, rec	6/27/2018	Anion	Sulfate	Total	=	185	%	EPA 300.0	-88	-88	78	111	GB
2017/18-5	000NONPJ	matrix spike, RPD	6/27/2018	Anion	Sulfate	Total	=	1	%	EPA 300.0	-88	-88	0	20	
2017/18-5	000NONPJ	matrix spike, RPD	6/27/2018	Anion	Sulfate	Total	=	0.3	%	EPA 300.0	-88	-88	0	20	
2017/18-5	000NONPJ	matrix spike	7/9/2018	Anion	Sulfate	Total	=	261	mg/L	EPA 300.0	1	5			
2017/18-5	000NONPJ	matrix spike	7/9/2018	Anion	Sulfate	Total	=	199	mg/L	EPA 300.0	1	5			
2017/18-5	000NONPJ	matrix spike dup	7/9/2018	Anion	Sulfate	Total	=	261	mg/L	EPA 300.0	1	5			
2017/18-5	000NONPJ	matrix spike dup	7/9/2018	Anion	Sulfate	Total	=	198	mg/L	EPA 300.0	1	5			
2017/18-5	000NONPJ	matrix spike dup, rec	7/9/2018	Anion	Sulfate	Total	=	101	%	EPA 300.0	-88	-88	78	111	
2017/18-5	000NONPJ	matrix spike dup, rec	7/9/2018	Anion	Sulfate	Total	=	108	%	EPA 300.0	-88	-88	78	111	
2017/18-5	000NONPJ	matrix spike, rec	7/9/2018	Anion	Sulfate	Total	=	101	%	EPA 300.0	-88	-88	78	111	
2017/18-5	000NONPJ	matrix spike, rec	7/9/2018	Anion	Sulfate	Total	=	108	%	EPA 300.0	-88	-88	78	111	
2017/18-5	000NONPJ	matrix spike, RPD	7/9/2018	Anion	Sulfate	Total	=	0.2	%	EPA 300.0	-88	-88	0	20	
2017/18-5	000NONPJ	matrix spike, RPD	7/9/2018	Anion	Sulfate	Total	=	0.03	%	EPA 300.0	-88	-88	0	20	
2017/18-5	Lab	LCS	6/4/2018	Anion	Sulfate	Total	=	10.7	mg/L	EPA 300.0	0.1	0.5			
2017/18-5	Lab	LCS, rec	6/4/2018	Anion	Sulfate	Total	=	107	%	EPA 300.0	-88	-88	90	110	
2017/18-5	Lab	method blank	6/4/2018	Anion	Sulfate	Total	<	0.1	mg/L	EPA 300.0	0.1	0.5			
2017/18-5	Lab	LCS	6/16/2018	Anion	Sulfate	Total	=	10.6	mg/L	EPA 300.0	0.1	0.5			
2017/18-5	Lab	LCS, rec	6/16/2018	Anion	Sulfate	Total	=	106	%	EPA 300.0	-88	-88	90	110	
2017/18-5	Lab	method blank	6/16/2018	Anion	Sulfate	Total	<	0.1	mg/L	EPA 300.0	0.1	0.5			
2017/18-5	Lab	LCS	6/27/2018	Anion	Sulfate	Total	=	9.82	mg/L	EPA 300.0	0.1	0.5			
2017/18-5	Lab	LCS, rec	6/27/2018	Anion	Sulfate	Total	=	98	%	EPA 300.0	-88	-88	90	110	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	method blank	6/27/2018	Anion	Sulfate	Total	<	0.1	mg/L	EPA 300.0	0.1	0.5			
2017/18-5	Lab	LCS	7/9/2018	Anion	Sulfate	Total	=	10.4	mg/L	EPA 300.0	0.1	0.5			
2017/18-5	Lab	LCS, rec	7/9/2018	Anion	Sulfate	Total	=	104	%	EPA 300.0	-88	-88	90	110	
2017/18-5	Lab	method blank	7/9/2018	Anion	Sulfate	Total	<	0.1	mg/L	EPA 300.0	0.1	0.5			
2017/18-5	000NONPJ	matrix spike	6/27/2018	Cation	Calcium	Total	=	367	mg/L	EPA 200.7	0.016	0.1			
2017/18-5	000NONPJ	matrix spike, rec	6/27/2018	Cation	Calcium	Total	=	104	%	EPA 200.7	-88	-88	70	130	
2017/18-5	000NONPJ	matrix spike dup	6/27/2018	Cation	Calcium	Total	=	372	mg/L	EPA 200.7	0.016	0.1			
2017/18-5	000NONPJ	matrix spike dup, rec	6/27/2018	Cation	Calcium	Total	=	113	%	EPA 200.7	-88	-88	70	130	
2017/18-5	000NONPJ	matrix spike, RPD	6/27/2018	Cation	Calcium	Total	=	1	%	EPA 200.7	-88	-88	0	30	
2017/18-5	000NONPJ	matrix spike	6/27/2018	Cation	Calcium	Total	=	203	mg/L	EPA 200.7	0.016	0.1			
2017/18-5	000NONPJ	matrix spike, rec	6/27/2018	Cation	Calcium	Total	=	104	%	EPA 200.7	-88	-88	70	130	
2017/18-5	000NONPJ	matrix spike dup	6/27/2018	Cation	Calcium	Total	=	204	mg/L	EPA 200.7	0.016	0.1			
2017/18-5	000NONPJ	matrix spike dup, rec	6/27/2018	Cation	Calcium	Total	=	106	%	EPA 200.7	-88	-88	70	130	
2017/18-5	000NONPJ	matrix spike, RPD	6/27/2018	Cation	Calcium	Total	=	0.4	%	EPA 200.7	-88	-88	0	30	
2017/18-5	Lab	method blank	6/7/2018	Cation	Calcium	Total	<	0.016	mg/L	EPA 200.7	0.016	0.1			
2017/18-5	Lab	LCS	6/7/2018	Cation	Calcium	Total	=	52	mg/L	EPA 200.7	0.016	0.1			
2017/18-5	Lab	LCS, rec	6/7/2018	Cation	Calcium	Total	=	104	%	EPA 200.7	-88	-88	85	115	
2017/18-5	Lab	method blank	6/15/2018	Cation	Calcium	Total	<	0.016	mg/L	EPA 200.7	0.016	0.1			
2017/18-5	Lab	LCS	6/15/2018	Cation	Calcium	Total	=	52.8	mg/L	EPA 200.7	0.016	0.1			
2017/18-5	Lab	LCS, rec	6/15/2018	Cation	Calcium	Total	=	105	%	EPA 200.7	-88	-88	85	115	
2017/18-5	Lab	method blank	6/27/2018	Cation	Calcium	Total	<	0.016	mg/L	EPA 200.7	0.016	0.1			
2017/18-5	Lab	LCS	6/27/2018	Cation	Calcium	Total	=	49	mg/L	EPA 200.7	0.016	0.1			
2017/18-5	Lab	LCS, rec	6/27/2018	Cation	Calcium	Total	=	98	%	EPA 200.7	-88	-88	85	115	
2017/18-5	MO-FIL	matrix spike	6/15/2018	Cation	Calcium	Total	=	230	mg/L	EPA 200.7	0.016	0.1			
2017/18-5	MO-FIL	matrix spike, rec	6/15/2018	Cation	Calcium	Total	=	107	%	EPA 200.7	-88	-88	70	130	
2017/18-5	MO-FIL	matrix spike dup	6/15/2018	Cation	Calcium	Total	=	227	mg/L	EPA 200.7	0.016	0.1			
2017/18-5	MO-FIL	matrix spike dup, rec	6/15/2018	Cation	Calcium	Total	=	99	%	EPA 200.7	-88	-88	70	130	
2017/18-5	MO-FIL	matrix spike, RPD	6/15/2018	Cation	Calcium	Total	=	2	%	EPA 200.7	-88	-88	0	30	
2017/18-5	MO-MPK	matrix spike	6/7/2018	Cation	Calcium	Total	=	110	mg/L	EPA 200.7	0.016	0.1			
2017/18-5	MO-MPK	matrix spike, rec	6/7/2018	Cation	Calcium	Total	=	100	%	EPA 200.7	-88	-88	70	130	
2017/18-5	MO-MPK	matrix spike dup	6/7/2018	Cation	Calcium	Total	=	111	mg/L	EPA 200.7	0.016	0.1			
2017/18-5	MO-MPK	matrix spike dup, rec	6/7/2018	Cation	Calcium	Total	=	102	%	EPA 200.7	-88	-88	70	130	
2017/18-5	MO-MPK	matrix spike, RPD	6/7/2018	Cation	Calcium	Total	=	0.7	%	EPA 200.7	-88	-88	0	30	
2017/18-5	MO-SIM	matrix spike	6/7/2018	Cation	Calcium	Total	=	353	mg/L	EPA 200.7	0.016	0.1			
2017/18-5	MO-SIM	matrix spike, rec	6/7/2018	Cation	Calcium	Total	=	81	%	EPA 200.7	-88	-88	70	130	
2017/18-5	MO-SIM	matrix spike dup	6/7/2018	Cation	Calcium	Total	=	359	mg/L	EPA 200.7	0.016	0.1			
2017/18-5	MO-SIM	matrix spike dup, rec	6/7/2018	Cation	Calcium	Total	=	94	%	EPA 200.7	-88	-88	70	130	
2017/18-5	MO-SIM	matrix spike, RPD	6/7/2018	Cation	Calcium	Total	=	2	%	EPA 200.7	-88	-88	0	30	
2017/18-5	000NONPJ	matrix spike	6/27/2018	Cation	Magnesium	Total	=	341	mg/L	EPA 200.7	0.012	0.1			
2017/18-5	000NONPJ	matrix spike, rec	6/27/2018	Cation	Magnesium	Total	=	109	%	EPA 200.7	-88	-88	70	130	
2017/18-5	000NONPJ	matrix spike dup	6/27/2018	Cation	Magnesium	Total	=	344	mg/L	EPA 200.7	0.012	0.1			
2017/18-5	000NONPJ	matrix spike dup, rec	6/27/2018	Cation	Magnesium	Total	=	117	%	EPA 200.7	-88	-88	70	130	
2017/18-5	000NONPJ	matrix spike, RPD	6/27/2018	Cation	Magnesium	Total	=	1	%	EPA 200.7	-88	-88	0	30	
2017/18-5	000NONPJ	matrix spike	6/27/2018	Cation	Magnesium	Total	=	103	mg/L	EPA 200.7	0.012	0.1			
2017/18-5	000NONPJ	matrix spike, rec	6/27/2018	Cation	Magnesium	Total	=	109	%	EPA 200.7	-88	-88	70	130	
2017/18-5	000NONPJ	matrix spike dup	6/27/2018	Cation	Magnesium	Total	=	104	mg/L	EPA 200.7	0.012	0.1			
2017/18-5	000NONPJ	matrix spike dup, rec	6/27/2018	Cation	Magnesium	Total	=	110	%	EPA 200.7	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	000NONPJ	matrix spike, RPD	6/27/2018	Cation	Magnesium	Total	=	0.5	%	EPA 200.7	-88	-88	0	30	
2017/18-5	Lab	method blank	6/7/2018	Cation	Magnesium	Total	<	0.012	mg/L	EPA 200.7	0.012	0.1			
2017/18-5	Lab	LCS	6/7/2018	Cation	Magnesium	Total	=	50.4	mg/L	EPA 200.7	0.012	0.1			
2017/18-5	Lab	LCS, rec	6/7/2018	Cation	Magnesium	Total	=	100	%	EPA 200.7	-88	-88	85	115	
2017/18-5	Lab	method blank	6/15/2018	Cation	Magnesium	Total	<	0.012	mg/L	EPA 200.7	0.012	0.1			
2017/18-5	Lab	LCS	6/15/2018	Cation	Magnesium	Total	=	50.5	mg/L	EPA 200.7	0.012	0.1			
2017/18-5	Lab	LCS, rec	6/15/2018	Cation	Magnesium	Total	=	100	%	EPA 200.7	-88	-88	85	115	
2017/18-5	Lab	method blank	6/27/2018	Cation	Magnesium	Total	<	0.012	mg/L	EPA 200.7	0.012	0.1			
2017/18-5	Lab	LCS	6/27/2018	Cation	Magnesium	Total	=	55.4	mg/L	EPA 200.7	0.012	0.1			
2017/18-5	Lab	LCS, rec	6/27/2018	Cation	Magnesium	Total	=	110	%	EPA 200.7	-88	-88	85	115	
2017/18-5	MO-FIL	matrix spike	6/15/2018	Cation	Magnesium	Total	=	102	mg/L	EPA 200.7	0.012	0.1			
2017/18-5	MO-FIL	matrix spike, rec	6/15/2018	Cation	Magnesium	Total	=	103	%	EPA 200.7	-88	-88	70	130	
2017/18-5	MO-FIL	matrix spike dup	6/15/2018	Cation	Magnesium	Total	=	101	mg/L	EPA 200.7	0.012	0.1			
2017/18-5	MO-FIL	matrix spike dup, rec	6/15/2018	Cation	Magnesium	Total	=	100	%	EPA 200.7	-88	-88	70	130	
2017/18-5	MO-FIL	matrix spike, RPD	6/15/2018	Cation	Magnesium	Total	=	1	%	EPA 200.7	-88	-88	0	30	
2017/18-5	MO-MPK	matrix spike	6/7/2018	Cation	Magnesium	Total	=	72.8	mg/L	EPA 200.7	0.012	0.1			
2017/18-5	MO-MPK	matrix spike, rec	6/7/2018	Cation	Magnesium	Total	=	102	%	EPA 200.7	-88	-88	70	130	
2017/18-5	MO-MPK	matrix spike dup	6/7/2018	Cation	Magnesium	Total	=	73.5	mg/L	EPA 200.7	0.012	0.1			
2017/18-5	MO-MPK	matrix spike dup, rec	6/7/2018	Cation	Magnesium	Total	=	104	%	EPA 200.7	-88	-88	70	130	
2017/18-5	MO-MPK	matrix spike, RPD	6/7/2018	Cation	Magnesium	Total	=	1	%	EPA 200.7	-88	-88	0	30	
2017/18-5	MO-SIM	matrix spike	6/7/2018	Cation	Magnesium	Total	=	164	mg/L	EPA 200.7	0.012	0.1			
2017/18-5	MO-SIM	matrix spike, rec	6/7/2018	Cation	Magnesium	Total	=	97	%	EPA 200.7	-88	-88	70	130	
2017/18-5	MO-SIM	matrix spike dup	6/7/2018	Cation	Magnesium	Total	=	168	mg/L	EPA 200.7	0.012	0.1			
2017/18-5	MO-SIM	matrix spike dup, rec	6/7/2018	Cation	Magnesium	Total	=	104	%	EPA 200.7	-88	-88	70	130	
2017/18-5	MO-SIM	matrix spike, RPD	6/7/2018	Cation	Magnesium	Total	=	2	%	EPA 200.7	-88	-88	0	30	
2017/18-5	000NONPJ	matrix spike	6/27/2018	Cation	Potassium	Total	=	66.2	mg/L	EPA 200.7	0.081	0.1			
2017/18-5	000NONPJ	matrix spike, rec	6/27/2018	Cation	Potassium	Total	=	126	%	EPA 200.7	-88	-88	70	130	
2017/18-5	000NONPJ	matrix spike dup	6/27/2018	Cation	Potassium	Total	=	65.7	mg/L	EPA 200.7	0.081	0.1			
2017/18-5	000NONPJ	matrix spike dup, rec	6/27/2018	Cation	Potassium	Total	=	125	%	EPA 200.7	-88	-88	70	130	
2017/18-5	000NONPJ	matrix spike, RPD	6/27/2018	Cation	Potassium	Total	=	0.7	%	EPA 200.7	-88	-88	0	30	
2017/18-5	000NONPJ	matrix spike	6/27/2018	Cation	Potassium	Total	=	67.2	mg/L	EPA 200.7	0.081	0.1			
2017/18-5	000NONPJ	matrix spike, rec	6/27/2018	Cation	Potassium	Total	=	122	%	EPA 200.7	-88	-88	70	130	
2017/18-5	000NONPJ	matrix spike dup	6/27/2018	Cation	Potassium	Total	=	65.4	mg/L	EPA 200.7	0.081	0.1			
2017/18-5	000NONPJ	matrix spike dup, rec	6/27/2018	Cation	Potassium	Total	=	118	%	EPA 200.7	-88	-88	70	130	
2017/18-5	000NONPJ	matrix spike, RPD	6/27/2018	Cation	Potassium	Total	=	3	%	EPA 200.7	-88	-88	0	30	
2017/18-5	Lab	method blank	6/7/2018	Cation	Potassium	Total	<	0.081	mg/L	EPA 200.7	0.081	0.1			
2017/18-5	Lab	LCS	6/7/2018	Cation	Potassium	Total	=	53.9	mg/L	EPA 200.7	0.081	0.1			
2017/18-5	Lab	LCS, rec	6/7/2018	Cation	Potassium	Total	=	107	%	EPA 200.7	-88	-88	85	115	
2017/18-5	Lab	method blank	6/15/2018	Cation	Potassium	Total	<	0.081	mg/L	EPA 200.7	0.081	0.1			
2017/18-5	Lab	LCS	6/15/2018	Cation	Potassium	Total	=	54.2	mg/L	EPA 200.7	0.081	0.1			
2017/18-5	Lab	LCS, rec	6/15/2018	Cation	Potassium	Total	=	108	%	EPA 200.7	-88	-88	85	115	
2017/18-5	Lab	method blank	6/27/2018	Cation	Potassium	Total	=	0.127	mg/L	EPA 200.7	0.081	0.1			IP
2017/18-5	Lab	LCS	6/27/2018	Cation	Potassium	Total	=	57	mg/L	EPA 200.7	0.081	0.1			
2017/18-5	Lab	LCS, rec	6/27/2018	Cation	Potassium	Total	=	113	%	EPA 200.7	-88	-88	85	115	
2017/18-5	MO-FIL	matrix spike	6/15/2018	Cation	Potassium	Total	=	70	mg/L	EPA 200.7	0.081	0.1			
2017/18-5	MO-FIL	matrix spike, rec	6/15/2018	Cation	Potassium	Total	=	122	%	EPA 200.7	-88	-88	70	130	
2017/18-5	MO-FIL	matrix spike dup	6/15/2018	Cation	Potassium	Total	=	68.9	mg/L	EPA 200.7	0.081	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	MO-FIL	matrix spike dup, rec	6/15/2018	Cation	Potassium	Total	=	120	%	EPA 200.7	-88	-88	70	130	
2017/18-5	MO-FIL	matrix spike, RPD	6/15/2018	Cation	Potassium	Total	=	2	%	EPA 200.7	-88	-88	0	30	
2017/18-5	MO-MPK	matrix spike	6/7/2018	Cation	Potassium	Total	=	77.1	mg/L	EPA 200.7	0.081	0.1			
2017/18-5	MO-MPK	matrix spike, rec	6/7/2018	Cation	Potassium	Total	=	116	%	EPA 200.7	-88	-88	70	130	
2017/18-5	MO-MPK	matrix spike dup	6/7/2018	Cation	Potassium	Total	=	77.6	mg/L	EPA 200.7	0.081	0.1			
2017/18-5	MO-MPK	matrix spike dup, rec	6/7/2018	Cation	Potassium	Total	=	117	%	EPA 200.7	-88	-88	70	130	
2017/18-5	MO-MPK	matrix spike, RPD	6/7/2018	Cation	Potassium	Total	=	0.6	%	EPA 200.7	-88	-88	0	30	
2017/18-5	MO-SIM	matrix spike	6/7/2018	Cation	Potassium	Total	=	67.5	mg/L	EPA 200.7	0.081	0.1			
2017/18-5	MO-SIM	matrix spike, rec	6/7/2018	Cation	Potassium	Total	=	123	%	EPA 200.7	-88	-88	70	130	
2017/18-5	MO-SIM	matrix spike dup	6/7/2018	Cation	Potassium	Total	=	68.4	mg/L	EPA 200.7	0.081	0.1			
2017/18-5	MO-SIM	matrix spike dup, rec	6/7/2018	Cation	Potassium	Total	=	124	%	EPA 200.7	-88	-88	70	130	
2017/18-5	MO-SIM	matrix spike, RPD	6/7/2018	Cation	Potassium	Total	=	1	%	EPA 200.7	-88	-88	0	30	
2017/18-5	000NONPJ	matrix spike	6/27/2018	Cation	Sodium	Total	=	328	mg/L	EPA 200.7	0.015	0.5			
2017/18-5	000NONPJ	matrix spike, rec	6/27/2018	Cation	Sodium	Total	=	103	%	EPA 200.7	-88	-88	70	130	
2017/18-5	000NONPJ	matrix spike dup	6/27/2018	Cation	Sodium	Total	=	331	mg/L	EPA 200.7	0.015	0.5			
2017/18-5	000NONPJ	matrix spike dup, rec	6/27/2018	Cation	Sodium	Total	=	108	%	EPA 200.7	-88	-88	70	130	
2017/18-5	000NONPJ	matrix spike, RPD	6/27/2018	Cation	Sodium	Total	=	0.9	%	EPA 200.7	-88	-88	0	30	
2017/18-5	000NONPJ	matrix spike	6/27/2018	Cation	Sodium	Total	=	230	mg/L	EPA 200.7	0.015	0.5			
2017/18-5	000NONPJ	matrix spike, rec	6/27/2018	Cation	Sodium	Total	=	101	%	EPA 200.7	-88	-88	70	130	
2017/18-5	000NONPJ	matrix spike dup	6/27/2018	Cation	Sodium	Total	=	232	mg/L	EPA 200.7	0.015	0.5			
2017/18-5	000NONPJ	matrix spike dup, rec	6/27/2018	Cation	Sodium	Total	=	105	%	EPA 200.7	-88	-88	70	130	
2017/18-5	000NONPJ	matrix spike, RPD	6/27/2018	Cation	Sodium	Total	=	0.7	%	EPA 200.7	-88	-88	0	30	
2017/18-5	Lab	method blank	6/7/2018	Cation	Sodium	Total	<	0.015	mg/L	EPA 200.7	0.015	0.5			
2017/18-5	Lab	LCS	6/7/2018	Cation	Sodium	Total	=	50.4	mg/L	EPA 200.7	0.015	0.5			
2017/18-5	Lab	LCS, rec	6/7/2018	Cation	Sodium	Total	=	100	%	EPA 200.7	-88	-88	85	115	
2017/18-5	Lab	method blank	6/15/2018	Cation	Sodium	Total	<	0.015	mg/L	EPA 200.7	0.015	0.5			
2017/18-5	Lab	LCS	6/15/2018	Cation	Sodium	Total	=	51.4	mg/L	EPA 200.7	0.015	0.5			
2017/18-5	Lab	LCS, rec	6/15/2018	Cation	Sodium	Total	=	102	%	EPA 200.7	-88	-88	85	115	
2017/18-5	Lab	method blank	6/27/2018	Cation	Sodium	Total	DNQ	0.103	mg/L	EPA 200.7	0.015	0.5			IP
2017/18-5	Lab	LCS	6/27/2018	Cation	Sodium	Total	=	52.2	mg/L	EPA 200.7	0.015	0.5			
2017/18-5	Lab	LCS, rec	6/27/2018	Cation	Sodium	Total	=	104	%	EPA 200.7	-88	-88	85	115	
2017/18-5	MO-FIL	matrix spike	6/15/2018	Cation	Sodium	Total	=	166	mg/L	EPA 200.7	0.015	0.5			
2017/18-5	MO-FIL	matrix spike, rec	6/15/2018	Cation	Sodium	Total	=	113	%	EPA 200.7	-88	-88	70	130	
2017/18-5	MO-FIL	matrix spike dup	6/15/2018	Cation	Sodium	Total	=	163	mg/L	EPA 200.7	0.015	0.5			
2017/18-5	MO-FIL	matrix spike dup, rec	6/15/2018	Cation	Sodium	Total	=	107	%	EPA 200.7	-88	-88	70	130	
2017/18-5	MO-FIL	matrix spike, RPD	6/15/2018	Cation	Sodium	Total	=	2	%	EPA 200.7	-88	-88	0	30	
2017/18-5	MO-MPK	matrix spike	6/7/2018	Cation	Sodium	Total	=	204	mg/L	EPA 200.7	0.015	0.5			
2017/18-5	MO-MPK	matrix spike, rec	6/7/2018	Cation	Sodium	Total	=	104	%	EPA 200.7	-88	-88	70	130	
2017/18-5	MO-MPK	matrix spike dup	6/7/2018	Cation	Sodium	Total	=	206	mg/L	EPA 200.7	0.015	0.5			
2017/18-5	MO-MPK	matrix spike dup, rec	6/7/2018	Cation	Sodium	Total	=	107	%	EPA 200.7	-88	-88	70	130	
2017/18-5	MO-MPK	matrix spike, RPD	6/7/2018	Cation	Sodium	Total	=	0.8	%	EPA 200.7	-88	-88	0	30	
2017/18-5	MO-SIM	matrix spike	6/7/2018	Cation	Sodium	Total	=	293	mg/L	EPA 200.7	0.015	0.5			
2017/18-5	MO-SIM	matrix spike, rec	6/7/2018	Cation	Sodium	Total	=	96	%	EPA 200.7	-88	-88	70	130	
2017/18-5	MO-SIM	matrix spike dup	6/7/2018	Cation	Sodium	Total	=	295	mg/L	EPA 200.7	0.015	0.5			
2017/18-5	MO-SIM	matrix spike dup, rec	6/7/2018	Cation	Sodium	Total	=	100	%	EPA 200.7	-88	-88	70	130	
2017/18-5	MO-SIM	matrix spike, RPD	6/7/2018	Cation	Sodium	Total	=	0.7	%	EPA 200.7	-88	-88	0	30	
2017/18-5	000NONPJ	lab duplicate	5/31/2018	Conventional	Alkalinity as CaCO3	n/a	=	152	mg/L	SM 2320 B	0.56	2		15	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	000NONPJ	lab duplicate	6/8/2018	Conventional	Alkalinity as CaCO3	n/a	=	157	mg/L	SM 2320 B	0.56	2		15	
2017/18-5	000NONPJ	lab duplicate	6/28/2018	Conventional	Alkalinity as CaCO3	n/a	=	160	mg/L	SM 2320 B	0.56	2		15	
2017/18-5	Lab	LCS	5/31/2018	Conventional	Alkalinity as CaCO3	n/a	=	246	mg/L	SM 2320 B	0.56	2			
2017/18-5	Lab	LCS, rec	5/31/2018	Conventional	Alkalinity as CaCO3	n/a	=	99	%	SM 2320 B	-88	-88	94	108	
2017/18-5	Lab	method blank	5/31/2018	Conventional	Alkalinity as CaCO3	n/a	<	0.56	mg/L	SM 2320 B	0.56	2			
2017/18-5	Lab	method blank	6/8/2018	Conventional	Alkalinity as CaCO3	n/a	<	0.56	mg/L	SM 2320 B	0.56	2			
2017/18-5	Lab	LCS	6/8/2018	Conventional	Alkalinity as CaCO3	n/a	=	250	mg/L	SM 2320 B	0.56	2			
2017/18-5	Lab	LCS, rec	6/8/2018	Conventional	Alkalinity as CaCO3	n/a	=	100	%	SM 2320 B	-88	-88	94	108	
2017/18-5	Lab	method blank	6/28/2018	Conventional	Alkalinity as CaCO3	n/a	<	0.56	mg/L	SM 2320 B	0.56	2			
2017/18-5	Lab	LCS	6/28/2018	Conventional	Alkalinity as CaCO3	n/a	=	246	mg/L	SM 2320 B	0.56	2			
2017/18-5	Lab	LCS, rec	6/28/2018	Conventional	Alkalinity as CaCO3	n/a	=	99	%	SM 2320 B	-88	-88	94	108	
2017/18-5	Lab	method blank	6/28/2018	Conventional	Alkalinity as CaCO3	n/a	<	0.56	mg/L	SM 2320 B	0.56	2			
2017/18-5	Lab	LCS	6/28/2018	Conventional	Alkalinity as CaCO3	n/a	=	240	mg/L	SM 2320 B	0.56	2			
2017/18-5	Lab	LCS, rec	6/28/2018	Conventional	Alkalinity as CaCO3	n/a	=	96	%	SM 2320 B	-88	-88	94	108	
2017/18-5	ME-VR2	lab duplicate	6/28/2018	Conventional	Alkalinity as CaCO3	n/a	=	219	mg/L	SM 2320 B	0.56	2		15	
2017/18-5	000NONPJ	lab duplicate	6/5/2018	Conventional	BOD	n/a	<	2	mg/L	SM 5210 B	2	2		20	
2017/18-5	000NONPJ	lab duplicate	6/12/2018	Conventional	BOD	n/a	=	3.58	mg/L	SM 5210 B	2	2		20	
2017/18-5	Lab	method blank	6/5/2018	Conventional	BOD	n/a	<	2	mg/L	SM 5210 B	2	2			
2017/18-5	Lab	method blank	6/5/2018	Conventional	BOD	n/a	<	2	mg/L	SM 5210 B	2	2			
2017/18-5	Lab	LCS	6/5/2018	Conventional	BOD	n/a	=	188	mg/L	SM 5210 B	2	2			
2017/18-5	Lab	LCS, rec	6/5/2018	Conventional	BOD	n/a	=	95	%	SM 5210 B	-88	-88	85	115	
2017/18-5	Lab	method blank	6/12/2018	Conventional	BOD	n/a	<	2	mg/L	SM 5210 B	2	2			
2017/18-5	Lab	method blank	6/12/2018	Conventional	BOD	n/a	<	2	mg/L	SM 5210 B	2	2			
2017/18-5	Lab	LCS	6/12/2018	Conventional	BOD	n/a	=	212	mg/L	SM 5210 B	2	2			
2017/18-5	Lab	LCS, rec	6/12/2018	Conventional	BOD	n/a	=	107	%	SM 5210 B	-88	-88	85	115	
2017/18-5	Lab	method blank	6/27/2018	Conventional	BOD	n/a	<	2	mg/L	SM 5210 B	2	2			
2017/18-5	Lab	method blank	6/27/2018	Conventional	BOD	n/a	<	2	mg/L	SM 5210 B	2	2			
2017/18-5	Lab	LCS	6/27/2018	Conventional	BOD	n/a	=	172	mg/L	SM 5210 B	2	2			
2017/18-5	Lab	LCS, rec	6/27/2018	Conventional	BOD	n/a	=	87	%	SM 5210 B	-88	-88	85	115	
2017/18-5	ME-VR2	lab duplicate	6/27/2018	Conventional	BOD	n/a	<	2	mg/L	SM 5210 B	2	2		20	
2017/18-5	000NONPJ	lab duplicate	6/7/2018	Conventional	COD	n/a	=	492	mg/L	EPA 410.4	1.5	10		15	
2017/18-5	000NONPJ	matrix spike	6/7/2018	Conventional	COD	n/a	=	195	mg/L	EPA 410.4	2.9	20			
2017/18-5	000NONPJ	matrix spike	6/7/2018	Conventional	COD	n/a	=	193	mg/L	EPA 410.4	2.9	20			
2017/18-5	000NONPJ	matrix spike dup	6/7/2018	Conventional	COD	n/a	=	198	mg/L	EPA 410.4	2.9	20			
2017/18-5	000NONPJ	matrix spike dup	6/7/2018	Conventional	COD	n/a	=	193	mg/L	EPA 410.4	2.9	20			
2017/18-5	000NONPJ	matrix spike dup, rec	6/7/2018	Conventional	COD	n/a	=	96	%	EPA 410.4	-88	-88	90	110	
2017/18-5	000NONPJ	matrix spike dup, rec	6/7/2018	Conventional	COD	n/a	=	99	%	EPA 410.4	-88	-88	90	110	
2017/18-5	000NONPJ	matrix spike, rec	6/7/2018	Conventional	COD	n/a	=	97	%	EPA 410.4	-88	-88	90	110	
2017/18-5	000NONPJ	matrix spike, rec	6/7/2018	Conventional	COD	n/a	=	97	%	EPA 410.4	-88	-88	90	110	
2017/18-5	000NONPJ	matrix spike, RPD	6/7/2018	Conventional	COD	n/a	=	2	%	EPA 410.4	-88	-88	0	15	
2017/18-5	000NONPJ	matrix spike, RPD	6/7/2018	Conventional	COD	n/a	=	0.3	%	EPA 410.4	-88	-88	0	15	
2017/18-5	000NONPJ	lab duplicate	6/12/2018	Conventional	COD	n/a	=	2070	mg/L	EPA 410.4	3.6	25		15	
2017/18-5	000NONPJ	matrix spike	6/12/2018	Conventional	COD	n/a	=	195	mg/L	EPA 410.4	2.9	20			
2017/18-5	000NONPJ	matrix spike dup	6/12/2018	Conventional	COD	n/a	=	200	mg/L	EPA 410.4	2.9	20			
2017/18-5	000NONPJ	matrix spike dup, rec	6/12/2018	Conventional	COD	n/a	=	95	%	EPA 410.4	-88	-88	90	110	
2017/18-5	000NONPJ	matrix spike, rec	6/12/2018	Conventional	COD	n/a	=	92	%	EPA 410.4	-88	-88	90	110	
2017/18-5	000NONPJ	matrix spike, RPD	6/12/2018	Conventional	COD	n/a	=	3	%	EPA 410.4	-88	-88	0	15	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	000NONPJ	lab duplicate	6/27/2018	Conventional	COD	n/a	=	365	mg/L	EPA 410.4	1.5	10		15	
2017/18-5	Lab	LCS	6/7/2018	Conventional	COD	n/a	=	104	mg/L	EPA 410.4	0.73	5			
2017/18-5	Lab	LCS, rec	6/7/2018	Conventional	COD	n/a	=	104	%	EPA 410.4	-88	-88	90	110	
2017/18-5	Lab	method blank	6/7/2018	Conventional	COD	n/a	<	0.73	mg/L	EPA 410.4	0.73	5			
2017/18-5	Lab	LCS	6/12/2018	Conventional	COD	n/a	=	101	mg/L	EPA 410.4	0.73	5			
2017/18-5	Lab	LCS, rec	6/12/2018	Conventional	COD	n/a	=	101	%	EPA 410.4	-88	-88	90	110	
2017/18-5	Lab	method blank	6/12/2018	Conventional	COD	n/a	<	0.73	mg/L	EPA 410.4	0.73	5			
2017/18-5	Lab	LCS	6/27/2018	Conventional	COD	n/a	=	100	mg/L	EPA 410.4	0.73	5			
2017/18-5	Lab	LCS, rec	6/27/2018	Conventional	COD	n/a	=	100	%	EPA 410.4	-88	-88	90	110	
2017/18-5	Lab	method blank	6/27/2018	Conventional	COD	n/a	<	0.73	mg/L	EPA 410.4	0.73	5			
2017/18-5	ME-SCR	matrix spike	6/12/2018	Conventional	COD	n/a	=	210	mg/L	EPA 410.4	2.9	20			
2017/18-5	ME-SCR	matrix spike dup	6/12/2018	Conventional	COD	n/a	=	210	mg/L	EPA 410.4	2.9	20			
2017/18-5	ME-SCR	matrix spike dup, rec	6/12/2018	Conventional	COD	n/a	=	95	%	EPA 410.4	-88	-88	90	110	
2017/18-5	ME-SCR	matrix spike, rec	6/12/2018	Conventional	COD	n/a	=	95	%	EPA 410.4	-88	-88	90	110	
2017/18-5	ME-SCR	matrix spike, RPD	6/12/2018	Conventional	COD	n/a	=	0.3	%	EPA 410.4	-88	-88	0	15	
2017/18-5	ME-VR2	matrix spike	6/27/2018	Conventional	COD	n/a	=	195	mg/L	EPA 410.4	2.9	20			
2017/18-5	ME-VR2	matrix spike dup	6/27/2018	Conventional	COD	n/a	=	196	mg/L	EPA 410.4	2.9	20			
2017/18-5	ME-VR2	matrix spike dup, rec	6/27/2018	Conventional	COD	n/a	=	94	%	EPA 410.4	-88	-88	90	110	
2017/18-5	ME-VR2	matrix spike, rec	6/27/2018	Conventional	COD	n/a	=	93	%	EPA 410.4	-88	-88	90	110	
2017/18-5	ME-VR2	matrix spike, RPD	6/27/2018	Conventional	COD	n/a	=	0.7	%	EPA 410.4	-88	-88	0	15	
2017/18-5	MO-OJA	matrix spike	6/27/2018	Conventional	COD	n/a	=	196	mg/L	EPA 410.4	2.9	20			
2017/18-5	MO-OJA	matrix spike dup	6/27/2018	Conventional	COD	n/a	=	194	mg/L	EPA 410.4	2.9	20			
2017/18-5	MO-OJA	matrix spike dup, rec	6/27/2018	Conventional	COD	n/a	=	94	%	EPA 410.4	-88	-88	90	110	
2017/18-5	MO-OJA	matrix spike, rec	6/27/2018	Conventional	COD	n/a	=	95	%	EPA 410.4	-88	-88	90	110	
2017/18-5	MO-OJA	matrix spike, RPD	6/27/2018	Conventional	COD	n/a	=	1	%	EPA 410.4	-88	-88	0	15	
2017/18-5	000NONPJ	matrix spike	6/7/2018	Conventional	Cyanide	Total	=	0.0484	mg/L	ASTM D7511	0.0005	0.002			
2017/18-5	000NONPJ	matrix spike dup	6/7/2018	Conventional	Cyanide	Total	=	0.05	mg/L	ASTM D7511	0.0005	0.002			
2017/18-5	000NONPJ	matrix spike dup, rec	6/7/2018	Conventional	Cyanide	Total	=	93	%	ASTM D7511	-88	-88	64	136	
2017/18-5	000NONPJ	matrix spike, rec	6/7/2018	Conventional	Cyanide	Total	=	90	%	ASTM D7511	-88	-88	64	136	
2017/18-5	000NONPJ	matrix spike, RPD	6/7/2018	Conventional	Cyanide	Total	=	3	%	ASTM D7511	-88	-88	0	47	
2017/18-5	000NONPJ	matrix spike	6/25/2018	Conventional	Cyanide	Total	=	0.0509	mg/L	ASTM D7511	0.0005	0.002			
2017/18-5	000NONPJ	matrix spike dup	6/25/2018	Conventional	Cyanide	Total	=	0.0497	mg/L	ASTM D7511	0.0005	0.002			
2017/18-5	000NONPJ	matrix spike dup, rec	6/25/2018	Conventional	Cyanide	Total	=	99	%	ASTM D7511	-88	-88	64	136	
2017/18-5	000NONPJ	matrix spike, rec	6/25/2018	Conventional	Cyanide	Total	=	102	%	ASTM D7511	-88	-88	64	136	
2017/18-5	000NONPJ	matrix spike, RPD	6/25/2018	Conventional	Cyanide	Total	=	2	%	ASTM D7511	-88	-88	0	47	
2017/18-5	Lab	LCS	6/7/2018	Conventional	Cyanide	Total	=	0.0445	mg/L	ASTM D7511	0.0005	0.002			
2017/18-5	Lab	LCS, rec	6/7/2018	Conventional	Cyanide	Total	=	89	%	ASTM D7511	-88	-88	84	116	
2017/18-5	Lab	method blank	6/7/2018	Conventional	Cyanide	Total	<	0.0005	mg/L	ASTM D7511	0.0005	0.002			
2017/18-5	Lab	LCS	6/25/2018	Conventional	Cyanide	Total	=	0.0481	mg/L	ASTM D7511	0.0005	0.002			
2017/18-5	Lab	LCS, rec	6/25/2018	Conventional	Cyanide	Total	=	96	%	ASTM D7511	-88	-88	84	116	
2017/18-5	Lab	method blank	6/25/2018	Conventional	Cyanide	Total	<	0.0005	mg/L	ASTM D7511	0.0005	0.002			
2017/18-5	ME-CC	matrix spike	6/7/2018	Conventional	Cyanide	Total	=	0.049	mg/L	ASTM D7511	0.0005	0.002			
2017/18-5	ME-CC	matrix spike dup	6/7/2018	Conventional	Cyanide	Total	=	0.0489	mg/L	ASTM D7511	0.0005	0.002			
2017/18-5	ME-CC	matrix spike dup, rec	6/7/2018	Conventional	Cyanide	Total	=	96	%	ASTM D7511	-88	-88	64	136	
2017/18-5	ME-CC	matrix spike, rec	6/7/2018	Conventional	Cyanide	Total	=	96	%	ASTM D7511	-88	-88	64	136	
2017/18-5	ME-CC	matrix spike, RPD	6/7/2018	Conventional	Cyanide	Total	=	0.3	%	ASTM D7511	-88	-88	0	47	
2017/18-5	Lab	LCS	6/12/2018	Conventional	Dissolved Inorganic Carbon	Dissolved	=	10.5	mg/L	SM 5310 B	0.5	0.5			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	LCS dup	6/12/2018	Conventional	Dissolved Inorganic Carbon	Dissolved	=	10.4	mg/L	SM 5310 B	0.5	0.5			
2017/18-5	Lab	LCS dup, rec	6/12/2018	Conventional	Dissolved Inorganic Carbon	Dissolved	=	104	%	SM 5310 B	-88	-88	85	115	
2017/18-5	Lab	LCS, rec	6/12/2018	Conventional	Dissolved Inorganic Carbon	Dissolved	=	105	%	SM 5310 B	-88	-88	85	115	
2017/18-5	Lab	LCS, RPD	6/12/2018	Conventional	Dissolved Inorganic Carbon	Dissolved	=	1	%	SM 5310 B	-88	-88	0	20	
2017/18-5	Lab	method blank	6/12/2018	Conventional	Dissolved Inorganic Carbon	Dissolved	<	0.5	mg/L	SM 5310 B	0.5	0.5			
2017/18-5	Lab	LCS	6/29/2018	Conventional	Dissolved Inorganic Carbon	Dissolved	=	9.72	mg/L	SM 5310 B	0.5	0.5			
2017/18-5	Lab	LCS dup	6/29/2018	Conventional	Dissolved Inorganic Carbon	Dissolved	=	9.82	mg/L	SM 5310 B	0.5	0.5			
2017/18-5	Lab	LCS dup, rec	6/29/2018	Conventional	Dissolved Inorganic Carbon	Dissolved	=	98	%	SM 5310 B	-88	-88	85	115	
2017/18-5	Lab	LCS, rec	6/29/2018	Conventional	Dissolved Inorganic Carbon	Dissolved	=	97	%	SM 5310 B	-88	-88	85	115	
2017/18-5	Lab	LCS, RPD	6/29/2018	Conventional	Dissolved Inorganic Carbon	Dissolved	=	1	%	SM 5310 B	-88	-88	0	20	
2017/18-5	Lab	method blank	6/29/2018	Conventional	Dissolved Inorganic Carbon	Dissolved	<	0.5	mg/L	SM 5310 B	0.5	0.5			
2017/18-5	000NONPJ	matrix spike	6/6/2018	Conventional	Dissolved Organic Carbon	Dissolved	=	5.31	mg/L	SM 5310 B	0.016	0.1			
2017/18-5	000NONPJ	matrix spike dup	6/6/2018	Conventional	Dissolved Organic Carbon	Dissolved	=	5.36	mg/L	SM 5310 B	0.016	0.1			
2017/18-5	000NONPJ	matrix spike dup, rec	6/6/2018	Conventional	Dissolved Organic Carbon	Dissolved	=	84	%	SM 5310 B	-88	-88	74	120	
2017/18-5	000NONPJ	matrix spike, rec	6/6/2018	Conventional	Dissolved Organic Carbon	Dissolved	=	82	%	SM 5310 B	-88	-88	74	120	
2017/18-5	000NONPJ	matrix spike, RPD	6/6/2018	Conventional	Dissolved Organic Carbon	Dissolved	=	1	%	SM 5310 B	-88	-88	0	20	
2017/18-5	000NONPJ	matrix spike	6/19/2018	Conventional	Dissolved Organic Carbon	Dissolved	=	5.16	mg/L	SM 5310 B	0.016	0.1			
2017/18-5	000NONPJ	matrix spike dup	6/19/2018	Conventional	Dissolved Organic Carbon	Dissolved	=	5.24	mg/L	SM 5310 B	0.016	0.1			
2017/18-5	000NONPJ	matrix spike dup, rec	6/19/2018	Conventional	Dissolved Organic Carbon	Dissolved	=	95	%	SM 5310 B	-88	-88	74	120	
2017/18-5	000NONPJ	matrix spike, rec	6/19/2018	Conventional	Dissolved Organic Carbon	Dissolved	=	93	%	SM 5310 B	-88	-88	74	120	
2017/18-5	000NONPJ	matrix spike, RPD	6/19/2018	Conventional	Dissolved Organic Carbon	Dissolved	=	2	%	SM 5310 B	-88	-88	0	20	
2017/18-5	000NONPJ	matrix spike	6/27/2018	Conventional	Dissolved Organic Carbon	Dissolved	=	5.65	mg/L	SM 5310 B	0.016	0.1			
2017/18-5	000NONPJ	matrix spike dup	6/27/2018	Conventional	Dissolved Organic Carbon	Dissolved	=	5.73	mg/L	SM 5310 B	0.016	0.1			
2017/18-5	000NONPJ	matrix spike dup, rec	6/27/2018	Conventional	Dissolved Organic Carbon	Dissolved	=	94	%	SM 5310 B	-88	-88	74	120	
2017/18-5	000NONPJ	matrix spike, rec	6/27/2018	Conventional	Dissolved Organic Carbon	Dissolved	=	92	%	SM 5310 B	-88	-88	74	120	
2017/18-5	000NONPJ	matrix spike, RPD	6/27/2018	Conventional	Dissolved Organic Carbon	Dissolved	=	1	%	SM 5310 B	-88	-88	0	20	
2017/18-5	Lab	LCS	6/6/2018	Conventional	Dissolved Organic Carbon	Dissolved	=	1.09	mg/L	SM 5310 B	0.016	0.1			
2017/18-5	Lab	LCS, rec	6/6/2018	Conventional	Dissolved Organic Carbon	Dissolved	=	109	%	SM 5310 B	-88	-88	85	115	
2017/18-5	Lab	method blank	6/6/2018	Conventional	Dissolved Organic Carbon	Dissolved	<	0.016	mg/L	SM 5310 B	0.016	0.1			
2017/18-5	Lab	LCS	6/19/2018	Conventional	Dissolved Organic Carbon	Dissolved	=	0.926	mg/L	SM 5310 B	0.016	0.1			
2017/18-5	Lab	LCS, rec	6/19/2018	Conventional	Dissolved Organic Carbon	Dissolved	=	93	%	SM 5310 B	-88	-88	85	115	
2017/18-5	Lab	method blank	6/19/2018	Conventional	Dissolved Organic Carbon	Dissolved	DNQ	0.0348	mg/L	SM 5310 B	0.016	0.1			IP
2017/18-5	Lab	LCS	6/27/2018	Conventional	Dissolved Organic Carbon	Dissolved	=	1.04	mg/L	SM 5310 B	0.016	0.1			
2017/18-5	Lab	LCS, rec	6/27/2018	Conventional	Dissolved Organic Carbon	Dissolved	=	104	%	SM 5310 B	-88	-88	85	115	
2017/18-5	Lab	method blank	6/27/2018	Conventional	Dissolved Organic Carbon	Dissolved	<	0.016	mg/L	SM 5310 B	0.016	0.1			
2017/18-5	000NONPJ	matrix spike	6/7/2018	Conventional	MBAS	n/a	=	0.243	mg/L	SM 5540 C	0.019	0.05			
2017/18-5	000NONPJ	matrix spike dup	6/7/2018	Conventional	MBAS	n/a	=	0.23	mg/L	SM 5540 C	0.019	0.05			
2017/18-5	000NONPJ	matrix spike dup, rec	6/7/2018	Conventional	MBAS	n/a	=	91	%	SM 5540 C	-88	-88	74	123	
2017/18-5	000NONPJ	matrix spike, rec	6/7/2018	Conventional	MBAS	n/a	=	97	%	SM 5540 C	-88	-88	74	123	
2017/18-5	000NONPJ	matrix spike, RPD	6/7/2018	Conventional	MBAS	n/a	=	6	%	SM 5540 C	-88	-88	0	20	
2017/18-5	000NONPJ	matrix spike	6/22/2018	Conventional	MBAS	n/a	=	0.192	mg/L	SM 5540 C	0.019	0.05			
2017/18-5	000NONPJ	matrix spike dup	6/22/2018	Conventional	MBAS	n/a	=	0.197	mg/L	SM 5540 C	0.019	0.05			
2017/18-5	000NONPJ	matrix spike dup, rec	6/22/2018	Conventional	MBAS	n/a	=	99	%	SM 5540 C	-88	-88	74	123	
2017/18-5	000NONPJ	matrix spike, rec	6/22/2018	Conventional	MBAS	n/a	=	96	%	SM 5540 C	-88	-88	74	123	
2017/18-5	000NONPJ	matrix spike, RPD	6/22/2018	Conventional	MBAS	n/a	=	2	%	SM 5540 C	-88	-88	0	20	
2017/18-5	000NONPJ	lab duplicate	6/29/2018	Conventional	MBAS	n/a	DNQ	0.0285	mg/L	SM 5540 C	0.019	0.05		20	
2017/18-5	Lab	LCS	5/31/2018	Conventional	MBAS	n/a	=	0.218	mg/L	SM 5540 C	0.019	0.05			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	LCS, rec	5/31/2018	Conventional	MBAS	n/a	=	109	%	SM 5540 C	-88	-88	82	115	
2017/18-5	Lab	method blank	5/31/2018	Conventional	MBAS	n/a	<	0.019	mg/L	SM 5540 C	0.019	0.05			
2017/18-5	Lab	LCS	6/7/2018	Conventional	MBAS	n/a	=	0.193	mg/L	SM 5540 C	0.019	0.05			
2017/18-5	Lab	LCS, rec	6/7/2018	Conventional	MBAS	n/a	=	96	%	SM 5540 C	-88	-88	82	115	
2017/18-5	Lab	method blank	6/7/2018	Conventional	MBAS	n/a	<	0.019	mg/L	SM 5540 C	0.019	0.05			
2017/18-5	Lab	LCS	6/22/2018	Conventional	MBAS	n/a	=	0.19	mg/L	SM 5540 C	0.019	0.05			
2017/18-5	Lab	LCS, rec	6/22/2018	Conventional	MBAS	n/a	=	95	%	SM 5540 C	-88	-88	82	115	
2017/18-5	Lab	method blank	6/22/2018	Conventional	MBAS	n/a	<	0.019	mg/L	SM 5540 C	0.019	0.05			
2017/18-5	Lab	LCS	6/29/2018	Conventional	MBAS	n/a	=	0.206	mg/L	SM 5540 C	0.019	0.05			
2017/18-5	Lab	LCS, rec	6/29/2018	Conventional	MBAS	n/a	=	103	%	SM 5540 C	-88	-88	82	115	
2017/18-5	Lab	method blank	6/29/2018	Conventional	MBAS	n/a	<	0.019	mg/L	SM 5540 C	0.019	0.05			
2017/18-5	MO-THO	matrix spike	5/31/2018	Conventional	MBAS	n/a	=	0.241	mg/L	SM 5540 C	0.019	0.05			
2017/18-5	MO-THO	matrix spike dup	5/31/2018	Conventional	MBAS	n/a	=	0.234	mg/L	SM 5540 C	0.019	0.05			
2017/18-5	MO-THO	matrix spike dup, rec	5/31/2018	Conventional	MBAS	n/a	=	107	%	SM 5540 C	-88	-88	74	123	
2017/18-5	MO-THO	matrix spike, rec	5/31/2018	Conventional	MBAS	n/a	=	110	%	SM 5540 C	-88	-88	74	123	
2017/18-5	MO-THO	matrix spike, RPD	5/31/2018	Conventional	MBAS	n/a	=	3	%	SM 5540 C	-88	-88	0	20	
2017/18-5	000NONPJ	matrix spike	6/12/2018	Conventional	Phenolics	n/a	=	0.465	mg/L	EPA 420.4	0.0084	0.02			
2017/18-5	000NONPJ	matrix spike, rec	6/12/2018	Conventional	Phenolics	n/a	=	93	%	EPA 420.4	-88	-88	90	110	
2017/18-5	000NONPJ	matrix spike dup	6/12/2018	Conventional	Phenolics	n/a	=	0.471	mg/L	EPA 420.4	0.0084	0.02			
2017/18-5	000NONPJ	matrix spike dup, rec	6/12/2018	Conventional	Phenolics	n/a	=	94	%	EPA 420.4	-88	-88	90	110	
2017/18-5	000NONPJ	matrix spike, RPD	6/12/2018	Conventional	Phenolics	n/a	=	1	%	EPA 420.4	-88	-88	0	20	
2017/18-5	000NONPJ	matrix spike	7/5/2018	Conventional	Phenolics	n/a	=	0.244	mg/L	EPA 420.4	0.0042	0.01			
2017/18-5	000NONPJ	matrix spike, rec	7/5/2018	Conventional	Phenolics	n/a	=	97	%	EPA 420.4	-88	-88	90	110	
2017/18-5	000NONPJ	matrix spike dup	7/5/2018	Conventional	Phenolics	n/a	=	0.242	mg/L	EPA 420.4	0.0042	0.01			
2017/18-5	000NONPJ	matrix spike dup, rec	7/5/2018	Conventional	Phenolics	n/a	=	97	%	EPA 420.4	-88	-88	90	110	
2017/18-5	000NONPJ	matrix spike, RPD	7/5/2018	Conventional	Phenolics	n/a	=	0.6	%	EPA 420.4	-88	-88	0	20	
2017/18-5	Lab	method blank	6/12/2018	Conventional	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01			
2017/18-5	Lab	LCS	6/12/2018	Conventional	Phenolics	n/a	=	0.101	mg/L	EPA 420.4	0.0042	0.01			
2017/18-5	Lab	LCS, rec	6/12/2018	Conventional	Phenolics	n/a	=	101	%	EPA 420.4	-88	-88	90	110	
2017/18-5	Lab	method blank	6/18/2018	Conventional	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01			
2017/18-5	Lab	LCS	6/18/2018	Conventional	Phenolics	n/a	=	0.0974	mg/L	EPA 420.4	0.0042	0.01			
2017/18-5	Lab	LCS, rec	6/18/2018	Conventional	Phenolics	n/a	=	97	%	EPA 420.4	-88	-88	90	110	
2017/18-5	Lab	method blank	7/5/2018	Conventional	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01			
2017/18-5	Lab	LCS	7/5/2018	Conventional	Phenolics	n/a	=	0.102	mg/L	EPA 420.4	0.0042	0.01			
2017/18-5	Lab	LCS, rec	7/5/2018	Conventional	Phenolics	n/a	=	102	%	EPA 420.4	-88	-88	90	110	
2017/18-5	ME-SCR	matrix spike	6/18/2018	Conventional	Phenolics	n/a	=	0.296	mg/L	EPA 420.4	0.0042	0.01			
2017/18-5	ME-SCR	matrix spike, rec	6/18/2018	Conventional	Phenolics	n/a	=	109	%	EPA 420.4	-88	-88	90	110	
2017/18-5	ME-SCR	matrix spike dup	6/18/2018	Conventional	Phenolics	n/a	=	0.29	mg/L	EPA 420.4	0.0042	0.01			
2017/18-5	ME-SCR	matrix spike dup, rec	6/18/2018	Conventional	Phenolics	n/a	=	106	%	EPA 420.4	-88	-88	90	110	
2017/18-5	ME-SCR	matrix spike, RPD	6/18/2018	Conventional	Phenolics	n/a	=	2	%	EPA 420.4	-88	-88	0	20	
2017/18-5	000NONPJ	lab duplicate	6/12/2018	Conventional	Specific Conductance	n/a	=	472	µmhos/cm	SM 2510 B	0.23	2		4.28	
2017/18-5	000NONPJ	lab duplicate	6/13/2018	Conventional	Specific Conductance	n/a	=	48500	µmhos/cm	SM 2510 B	0.23	2		4.28	
2017/18-5	000NONPJ	lab duplicate	6/25/2018	Conventional	Specific Conductance	n/a	=	154	µmhos/cm	SM 2510 B	0.23	2		4.28	
2017/18-5	Lab	method blank	6/5/2018	Conventional	Specific Conductance	n/a	<	0.23	µmhos/cm	SM 2510 B	0.23	2			
2017/18-5	Lab	LCS	6/5/2018	Conventional	Specific Conductance	n/a	=	193	µmhos/cm	SM 2510 B	0.23	2			
2017/18-5	Lab	LCS, rec	6/5/2018	Conventional	Specific Conductance	n/a	=	96	%	SM 2510 B	-88	-88	95	105	
2017/18-5	Lab	method blank	6/12/2018	Conventional	Specific Conductance	n/a	<	0.23	µmhos/cm	SM 2510 B	0.23	2			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	LCS	6/12/2018	Conventional	Specific Conductance	n/a	=	194	µmhos/cm	SM 2510 B	0.23	2			
2017/18-5	Lab	LCS, rec	6/12/2018	Conventional	Specific Conductance	n/a	=	97	%	SM 2510 B	-88	-88	95	105	
2017/18-5	Lab	LCS	6/13/2018	Conventional	Specific Conductance	n/a	=	26000	µmhos/cm	SM 2510 B	0.23	2			
2017/18-5	Lab	LCS, rec	6/13/2018	Conventional	Specific Conductance	n/a	=	104	%	SM 2510 B	-88	-88	95	105	
2017/18-5	Lab	method blank	6/13/2018	Conventional	Specific Conductance	n/a	<	0.23	µmhos/cm	SM 2510 B	0.23	2			
2017/18-5	Lab	method blank	6/25/2018	Conventional	Specific Conductance	n/a	<	0.23	µmhos/cm	SM 2510 B	0.23	2			
2017/18-5	Lab	LCS	6/25/2018	Conventional	Specific Conductance	n/a	=	196	µmhos/cm	SM 2510 B	0.23	2			
2017/18-5	Lab	LCS, rec	6/25/2018	Conventional	Specific Conductance	n/a	=	98	%	SM 2510 B	-88	-88	95	105	
2017/18-5	Lab	method blank	6/25/2018	Conventional	Specific Conductance	n/a	<	0.23	µmhos/cm	SM 2510 B	0.23	2			
2017/18-5	Lab	LCS	6/25/2018	Conventional	Specific Conductance	n/a	=	195	µmhos/cm	SM 2510 B	0.23	2			
2017/18-5	Lab	LCS, rec	6/25/2018	Conventional	Specific Conductance	n/a	=	97	%	SM 2510 B	-88	-88	95	105	
2017/18-5	ME-CC	lab duplicate	6/5/2018	Conventional	Specific Conductance	n/a	=	1820	µmhos/cm	SM 2510 B	0.47	4		4.28	
2017/18-5	000NONPJ	matrix spike	5/31/2018	Conventional	Total Chlorine Residual	n/a	=	0.191	mg/L	SM 4500-Cl G	0.0015	0.05			
2017/18-5	000NONPJ	matrix spike dup	5/31/2018	Conventional	Total Chlorine Residual	n/a	=	0.189	mg/L	SM 4500-Cl G	0.0015	0.05			
2017/18-5	000NONPJ	matrix spike dup, rec	5/31/2018	Conventional	Total Chlorine Residual	n/a	=	95	%	SM 4500-Cl G	-88	-88	78	114	
2017/18-5	000NONPJ	matrix spike, rec	5/31/2018	Conventional	Total Chlorine Residual	n/a	=	96	%	SM 4500-Cl G	-88	-88	78	114	
2017/18-5	000NONPJ	matrix spike, RPD	5/31/2018	Conventional	Total Chlorine Residual	n/a	=	0.9	%	SM 4500-Cl G	-88	-88	0	15	
2017/18-5	000NONPJ	matrix spike	6/21/2018	Conventional	Total Chlorine Residual	n/a	=	0.217	mg/L	SM 4500-Cl G	0.0015	0.05			
2017/18-5	000NONPJ	matrix spike dup	6/21/2018	Conventional	Total Chlorine Residual	n/a	=	0.221	mg/L	SM 4500-Cl G	0.0015	0.05			
2017/18-5	000NONPJ	matrix spike dup, rec	6/21/2018	Conventional	Total Chlorine Residual	n/a	=	110	%	SM 4500-Cl G	-88	-88	78	114	
2017/18-5	000NONPJ	matrix spike, rec	6/21/2018	Conventional	Total Chlorine Residual	n/a	=	108	%	SM 4500-Cl G	-88	-88	78	114	
2017/18-5	000NONPJ	matrix spike, RPD	6/21/2018	Conventional	Total Chlorine Residual	n/a	=	2	%	SM 4500-Cl G	-88	-88	0	15	
2017/18-5	Lab	LCS	5/31/2018	Conventional	Total Chlorine Residual	n/a	=	0.193	mg/L	SM 4500-Cl G	0.0015	0.05			
2017/18-5	Lab	LCS, rec	5/31/2018	Conventional	Total Chlorine Residual	n/a	=	96	%	SM 4500-Cl G	-88	-88	85	110	
2017/18-5	Lab	method blank	5/31/2018	Conventional	Total Chlorine Residual	n/a	<	0.0015	mg/L	SM 4500-Cl G	0.0015	0.05			
2017/18-5	Lab	LCS	6/21/2018	Conventional	Total Chlorine Residual	n/a	=	0.186	mg/L	SM 4500-Cl G	0.0015	0.05			
2017/18-5	Lab	LCS, rec	6/21/2018	Conventional	Total Chlorine Residual	n/a	=	93	%	SM 4500-Cl G	-88	-88	85	110	
2017/18-5	Lab	method blank	6/21/2018	Conventional	Total Chlorine Residual	n/a	<	0.0015	mg/L	SM 4500-Cl G	0.0015	0.05			
2017/18-5	000NONPJ	lab duplicate	6/5/2018	Conventional	Total Dissolved Solids	n/a	=	1180	mg/L	SM 2540 C	4	10		10	
2017/18-5	000NONPJ	lab duplicate	6/6/2018	Conventional	Total Dissolved Solids	n/a	=	3300	mg/L	SM 2540 C	4	10		10	
2017/18-5	000NONPJ	lab duplicate	6/11/2018	Conventional	Total Dissolved Solids	n/a	=	36800	mg/L	SM 2540 C	4	10		10	
2017/18-5	000NONPJ	lab duplicate	6/27/2018	Conventional	Total Dissolved Solids	n/a	=	36900	mg/L	SM 2540 C	4	10		10	
2017/18-5	000NONPJ	lab duplicate	6/27/2018	Conventional	Total Dissolved Solids	n/a	=	1310	mg/L	SM 2540 C	4	10		10	
2017/18-5	Lab	LCS	6/5/2018	Conventional	Total Dissolved Solids	n/a	=	827	mg/L	SM 2540 C	4	10			
2017/18-5	Lab	LCS, rec	6/5/2018	Conventional	Total Dissolved Solids	n/a	=	100	%	SM 2540 C	-88	-88	96	102	
2017/18-5	Lab	method blank	6/5/2018	Conventional	Total Dissolved Solids	n/a	<	4	mg/L	SM 2540 C	4	10			
2017/18-5	Lab	LCS	6/6/2018	Conventional	Total Dissolved Solids	n/a	=	830	mg/L	SM 2540 C	4	10			
2017/18-5	Lab	LCS, rec	6/6/2018	Conventional	Total Dissolved Solids	n/a	=	101	%	SM 2540 C	-88	-88	96	102	
2017/18-5	Lab	method blank	6/6/2018	Conventional	Total Dissolved Solids	n/a	<	4	mg/L	SM 2540 C	4	10			
2017/18-5	Lab	LCS	6/11/2018	Conventional	Total Dissolved Solids	n/a	=	825	mg/L	SM 2540 C	4	10			
2017/18-5	Lab	LCS, rec	6/11/2018	Conventional	Total Dissolved Solids	n/a	=	100	%	SM 2540 C	-88	-88	96	102	
2017/18-5	Lab	method blank	6/11/2018	Conventional	Total Dissolved Solids	n/a	<	4	mg/L	SM 2540 C	4	10			
2017/18-5	Lab	LCS	6/27/2018	Conventional	Total Dissolved Solids	n/a	=	827	mg/L	SM 2540 C	4	10			
2017/18-5	Lab	LCS, rec	6/27/2018	Conventional	Total Dissolved Solids	n/a	=	100	%	SM 2540 C	-88	-88	96	102	
2017/18-5	Lab	method blank	6/27/2018	Conventional	Total Dissolved Solids	n/a	<	4	mg/L	SM 2540 C	4	10			
2017/18-5	MO-HUE	lab duplicate	6/6/2018	Conventional	Total Dissolved Solids	n/a	=	11600	mg/L	SM 2540 C	4	10		10	
2017/18-5	MO-SIM	lab duplicate	6/5/2018	Conventional	Total Dissolved Solids	n/a	=	2460	mg/L	SM 2540 C	4	10		10	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	MO-VEN	lab duplicate	6/11/2018	Conventional	Total Dissolved Solids	n/a	=	2460	mg/L	SM 2540 C	4	10		10	
2017/18-5	000NONPJ	matrix spike	6/5/2018	Conventional	Total Organic Carbon	n/a	=	6.04	mg/L	SM 5310 B	0.009	0.1			
2017/18-5	000NONPJ	matrix spike dup	6/5/2018	Conventional	Total Organic Carbon	n/a	=	6.29	mg/L	SM 5310 B	0.009	0.1			
2017/18-5	000NONPJ	matrix spike dup, rec	6/5/2018	Conventional	Total Organic Carbon	n/a	=	100	%	SM 5310 B	-88	-88	76	115	
2017/18-5	000NONPJ	matrix spike, rec	6/5/2018	Conventional	Total Organic Carbon	n/a	=	95	%	SM 5310 B	-88	-88	76	115	
2017/18-5	000NONPJ	matrix spike, RPD	6/5/2018	Conventional	Total Organic Carbon	n/a	=	4	%	SM 5310 B	-88	-88	0	20	
2017/18-5	000NONPJ	matrix spike	6/14/2018	Conventional	Total Organic Carbon	n/a	=	5.05	mg/L	SM 5310 B	0.016	0.1			
2017/18-5	000NONPJ	matrix spike dup	6/14/2018	Conventional	Total Organic Carbon	n/a	=	5.09	mg/L	SM 5310 B	0.016	0.1			
2017/18-5	000NONPJ	matrix spike dup, rec	6/14/2018	Conventional	Total Organic Carbon	n/a	=	97	%	SM 5310 B	-88	-88	76	115	
2017/18-5	000NONPJ	matrix spike, rec	6/14/2018	Conventional	Total Organic Carbon	n/a	=	97	%	SM 5310 B	-88	-88	76	115	
2017/18-5	000NONPJ	matrix spike, RPD	6/14/2018	Conventional	Total Organic Carbon	n/a	=	0.8	%	SM 5310 B	-88	-88	0	20	
2017/18-5	000NONPJ	matrix spike	6/28/2018	Conventional	Total Organic Carbon	n/a	=	13.9	mg/L	SM 5310 B	0.016	0.1			
2017/18-5	000NONPJ	matrix spike dup	6/28/2018	Conventional	Total Organic Carbon	n/a	=	14	mg/L	SM 5310 B	0.016	0.1			
2017/18-5	000NONPJ	matrix spike dup, rec	6/28/2018	Conventional	Total Organic Carbon	n/a	=	96	%	SM 5310 B	-88	-88	76	115	
2017/18-5	000NONPJ	matrix spike, rec	6/28/2018	Conventional	Total Organic Carbon	n/a	=	95	%	SM 5310 B	-88	-88	76	115	
2017/18-5	000NONPJ	matrix spike, RPD	6/28/2018	Conventional	Total Organic Carbon	n/a	=	0.4	%	SM 5310 B	-88	-88	0	20	
2017/18-5	Lab	LCS	6/5/2018	Conventional	Total Organic Carbon	n/a	=	1.08	mg/L	SM 5310 B	0.009	0.1			
2017/18-5	Lab	LCS, rec	6/5/2018	Conventional	Total Organic Carbon	n/a	=	108	%	SM 5310 B	-88	-88	85	115	
2017/18-5	Lab	method blank	6/5/2018	Conventional	Total Organic Carbon	n/a	<	0.009	mg/L	SM 5310 B	0.009	0.1			
2017/18-5	Lab	LCS	6/14/2018	Conventional	Total Organic Carbon	n/a	=	1.06	mg/L	SM 5310 B	0.016	0.1			
2017/18-5	Lab	LCS, rec	6/14/2018	Conventional	Total Organic Carbon	n/a	=	106	%	SM 5310 B	-88	-88	85	115	
2017/18-5	Lab	method blank	6/14/2018	Conventional	Total Organic Carbon	n/a	<	0.016	mg/L	SM 5310 B	0.016	0.1			
2017/18-5	Lab	LCS	6/28/2018	Conventional	Total Organic Carbon	n/a	=	1.08	mg/L	SM 5310 B	0.016	0.1			
2017/18-5	Lab	LCS, rec	6/28/2018	Conventional	Total Organic Carbon	n/a	=	108	%	SM 5310 B	-88	-88	85	115	
2017/18-5	Lab	method blank	6/28/2018	Conventional	Total Organic Carbon	n/a	<	0.016	mg/L	SM 5310 B	0.016	0.1			
2017/18-5	000NONPJ	lab duplicate	6/4/2018	Conventional	Total Suspended Solids	n/a	<	5	mg/L	SM 2540 D	-88	5		20	
2017/18-5	000NONPJ	lab duplicate	6/11/2018	Conventional	Total Suspended Solids	n/a	DNQ	1	mg/L	SM 2540 D	-88	5		20	
2017/18-5	000NONPJ	lab duplicate	6/25/2018	Conventional	Total Suspended Solids	n/a	DNQ	1	mg/L	SM 2540 D	-88	5		20	
2017/18-5	Lab	LCS	6/4/2018	Conventional	Total Suspended Solids	n/a	=	61	mg/L	SM 2540 D	-88	5			
2017/18-5	Lab	LCS, rec	6/4/2018	Conventional	Total Suspended Solids	n/a	=	104	%	SM 2540 D	-88	-88	90	110	
2017/18-5	Lab	method blank	6/4/2018	Conventional	Total Suspended Solids	n/a	<	5	mg/L	SM 2540 D	-88	5			
2017/18-5	Lab	LCS	6/11/2018	Conventional	Total Suspended Solids	n/a	=	55	mg/L	SM 2540 D	-88	5			
2017/18-5	Lab	LCS, rec	6/11/2018	Conventional	Total Suspended Solids	n/a	=	103	%	SM 2540 D	-88	-88	90	110	
2017/18-5	Lab	method blank	6/11/2018	Conventional	Total Suspended Solids	n/a	<	5	mg/L	SM 2540 D	-88	5			
2017/18-5	Lab	LCS	6/25/2018	Conventional	Total Suspended Solids	n/a	=	63	mg/L	SM 2540 D	-88	5			
2017/18-5	Lab	LCS, rec	6/25/2018	Conventional	Total Suspended Solids	n/a	=	95	%	SM 2540 D	-88	-88	90	110	
2017/18-5	Lab	method blank	6/25/2018	Conventional	Total Suspended Solids	n/a	<	5	mg/L	SM 2540 D	-88	5			
2017/18-5	ME-CC	lab duplicate	6/4/2018	Conventional	Total Suspended Solids	n/a	=	15	mg/L	SM 2540 D	-88	5		20	
2017/18-5	ME-SCR	lab duplicate	6/11/2018	Conventional	Total Suspended Solids	n/a	=	14	mg/L	SM 2540 D	-88	5		20	
2017/18-5	ME-VR2	lab duplicate	6/25/2018	Conventional	Total Suspended Solids	n/a	=	7	mg/L	SM 2540 D	-88	5		20	
2017/18-5	000NONPJ	lab duplicate	6/7/2018	Conventional	Turbidity	n/a	<	0.024	NTU	EPA 180.1	0.024	0.1		10	
2017/18-5	000NONPJ	lab duplicate	6/21/2018	Conventional	Turbidity	n/a	<	0.024	NTU	EPA 180.1	0.024	0.1		10	
2017/18-5	Lab	LCS	5/31/2018	Conventional	Turbidity	n/a	=	6.83	NTU	EPA 180.1	0.024	0.1			
2017/18-5	Lab	LCS, rec	5/31/2018	Conventional	Turbidity	n/a	=	98	%	EPA 180.1	-88	-88	90	110	
2017/18-5	Lab	method blank	5/31/2018	Conventional	Turbidity	n/a	<	0.024	NTU	EPA 180.1	0.024	0.1			
2017/18-5	Lab	LCS	6/7/2018	Conventional	Turbidity	n/a	=	6.98	NTU	EPA 180.1	0.024	0.1			
2017/18-5	Lab	LCS, rec	6/7/2018	Conventional	Turbidity	n/a	=	100	%	EPA 180.1	-88	-88	90	110	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	method blank	6/7/2018	Conventional	Turbidity	n/a	<	0.024	NTU	EPA 180.1	0.024	0.1			
2017/18-5	Lab	LCS	6/21/2018	Conventional	Turbidity	n/a	=	6.98	NTU	EPA 180.1	0.024	0.1			
2017/18-5	Lab	LCS, rec	6/21/2018	Conventional	Turbidity	n/a	=	100	%	EPA 180.1	-88	-88	90	110	
2017/18-5	Lab	method blank	6/21/2018	Conventional	Turbidity	n/a	<	0.024	NTU	EPA 180.1	0.024	0.1			
2017/18-5	MO-CAM	lab duplicate	5/31/2018	Conventional	Turbidity	n/a	=	3.5	NTU	EPA 180.1	0.024	0.1		10	
2017/18-5	Lab	LCS	6/4/2018	Conventional	Volatile Suspended Solids	n/a	=	41	mg/L	EPA 160.4	3.1	5			
2017/18-5	Lab	LCS, rec	6/4/2018	Conventional	Volatile Suspended Solids	n/a	=	98	%	EPA 160.4	-88	-88	90	110	
2017/18-5	Lab	method blank	6/4/2018	Conventional	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5			
2017/18-5	Lab	LCS	6/11/2018	Conventional	Volatile Suspended Solids	n/a	=	37	mg/L	EPA 160.4	3.1	5			
2017/18-5	Lab	LCS, rec	6/11/2018	Conventional	Volatile Suspended Solids	n/a	=	98	%	EPA 160.4	-88	-88	90	110	
2017/18-5	Lab	method blank	6/11/2018	Conventional	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5			
2017/18-5	Lab	LCS	6/25/2018	Conventional	Volatile Suspended Solids	n/a	=	47	mg/L	EPA 160.4	3.1	5			
2017/18-5	Lab	LCS, rec	6/25/2018	Conventional	Volatile Suspended Solids	n/a	=	100	%	EPA 160.4	-88	-88	90	110	
2017/18-5	Lab	method blank	6/25/2018	Conventional	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5			
2017/18-5	ME-CC	lab duplicate	6/4/2018	Conventional	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5		15	
2017/18-5	ME-SCR	lab duplicate	6/11/2018	Conventional	Volatile Suspended Solids	n/a	DNQ	4	mg/L	EPA 160.4	3.1	5		15	
2017/18-5	ME-VR2	lab duplicate	6/25/2018	Conventional	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5		15	
2017/18-5	Lab	method blank	6/4/2018	Hydrocarbon	Diesel Range Organics	n/a	<	0.024	mg/L	EPA 8015D	0.024	0.1			
2017/18-5	Lab	LCS	6/4/2018	Hydrocarbon	Diesel Range Organics	n/a	=	0.468	mg/L	EPA 8015D	0.024	0.1			
2017/18-5	Lab	LCS, rec	6/4/2018	Hydrocarbon	Diesel Range Organics	n/a	=	94	%	EPA 8015D	-88	-88	56	136	
2017/18-5	Lab	LCS dup	6/4/2018	Hydrocarbon	Diesel Range Organics	n/a	=	0.492	mg/L	EPA 8015D	0.024	0.1			
2017/18-5	Lab	LCS dup, rec	6/4/2018	Hydrocarbon	Diesel Range Organics	n/a	=	98	%	EPA 8015D	-88	-88	56	136	
2017/18-5	Lab	LCS, RPD	6/4/2018	Hydrocarbon	Diesel Range Organics	n/a	=	5	%	EPA 8015D	-88	-88	0	25	
2017/18-5	Lab	method blank	6/8/2018	Hydrocarbon	Diesel Range Organics	n/a	<	0.024	mg/L	EPA 8015D	0.024	0.1			
2017/18-5	Lab	LCS	6/8/2018	Hydrocarbon	Diesel Range Organics	n/a	=	0.484	mg/L	EPA 8015D	0.024	0.1			
2017/18-5	Lab	LCS, rec	6/8/2018	Hydrocarbon	Diesel Range Organics	n/a	=	97	%	EPA 8015D	-88	-88	56	136	
2017/18-5	Lab	LCS dup	6/8/2018	Hydrocarbon	Diesel Range Organics	n/a	=	0.501	mg/L	EPA 8015D	0.024	0.1			
2017/18-5	Lab	LCS dup, rec	6/8/2018	Hydrocarbon	Diesel Range Organics	n/a	=	100	%	EPA 8015D	-88	-88	56	136	
2017/18-5	Lab	LCS, RPD	6/8/2018	Hydrocarbon	Diesel Range Organics	n/a	=	3	%	EPA 8015D	-88	-88	0	25	
2017/18-5	Lab	method blank	6/28/2018	Hydrocarbon	Diesel Range Organics	n/a	<	0.024	mg/L	EPA 8015D	0.024	0.1			
2017/18-5	Lab	LCS	6/28/2018	Hydrocarbon	Diesel Range Organics	n/a	=	0.473	mg/L	EPA 8015D	0.024	0.1			
2017/18-5	Lab	LCS, rec	6/28/2018	Hydrocarbon	Diesel Range Organics	n/a	=	95	%	EPA 8015D	-88	-88	56	136	
2017/18-5	Lab	LCS dup	6/28/2018	Hydrocarbon	Diesel Range Organics	n/a	=	0.605	mg/L	EPA 8015D	0.024	0.1			
2017/18-5	Lab	LCS dup, rec	6/28/2018	Hydrocarbon	Diesel Range Organics	n/a	=	121	%	EPA 8015D	-88	-88	56	136	
2017/18-5	Lab	LCS, RPD	6/28/2018	Hydrocarbon	Diesel Range Organics	n/a	=	24	%	EPA 8015D	-88	-88	0	25	
2017/18-5	000NONPJ	matrix spike	6/12/2018	Hydrocarbon	Gasoline Range Organics	n/a	=	3.95	mg/L	LUFT GC/MS	0.012	0.1			GB
2017/18-5	000NONPJ	matrix spike, rec	6/12/2018	Hydrocarbon	Gasoline Range Organics	n/a	=	-65	%	LUFT GC/MS	-88	-88	62	142	GB
2017/18-5	000NONPJ	matrix spike dup	6/12/2018	Hydrocarbon	Gasoline Range Organics	n/a	=	4.17	mg/L	LUFT GC/MS	0.012	0.1			GB
2017/18-5	000NONPJ	matrix spike dup, rec	6/12/2018	Hydrocarbon	Gasoline Range Organics	n/a	=	-43	%	LUFT GC/MS	-88	-88	62	142	GB
2017/18-5	000NONPJ	matrix spike, RPD	6/12/2018	Hydrocarbon	Gasoline Range Organics	n/a	=	5	%	LUFT GC/MS	-88	-88	0	25	GB
2017/18-5	Lab	LCS	5/31/2018	Hydrocarbon	Gasoline Range Organics	n/a	=	1	mg/L	LUFT GC/MS	0.012	0.1			
2017/18-5	Lab	LCS, rec	5/31/2018	Hydrocarbon	Gasoline Range Organics	n/a	=	100	%	LUFT GC/MS	-88	-88	53	136	
2017/18-5	Lab	method blank	5/31/2018	Hydrocarbon	Gasoline Range Organics	n/a	<	0.012	mg/L	LUFT GC/MS	0.012	0.1			
2017/18-5	Lab	LCS	6/11/2018	Hydrocarbon	Gasoline Range Organics	n/a	=	1.04	mg/L	LUFT GC/MS	0.012	0.1			
2017/18-5	Lab	LCS, rec	6/11/2018	Hydrocarbon	Gasoline Range Organics	n/a	=	104	%	LUFT GC/MS	-88	-88	53	136	
2017/18-5	Lab	method blank	6/11/2018	Hydrocarbon	Gasoline Range Organics	n/a	<	0.012	mg/L	LUFT GC/MS	0.012	0.1			
2017/18-5	Lab	LCS	6/26/2018	Hydrocarbon	Gasoline Range Organics	n/a	=	0.97	mg/L	LUFT GC/MS	0.012	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	LCS, rec	6/26/2018	Hydrocarbon	Gasoline Range Organics	n/a	=	97	%	LUFT GC/MS	-88	-88	53	136	
2017/18-5	Lab	LCS dup	6/26/2018	Hydrocarbon	Gasoline Range Organics	n/a	=	1.07	mg/L	LUFT GC/MS	0.012	0.1			
2017/18-5	Lab	LCS dup, rec	6/26/2018	Hydrocarbon	Gasoline Range Organics	n/a	=	107	%	LUFT GC/MS	-88	-88	53	136	
2017/18-5	Lab	LCS, RPD	6/26/2018	Hydrocarbon	Gasoline Range Organics	n/a	=	10	%	LUFT GC/MS	-88	-88	0	25	
2017/18-5	Lab	method blank	6/26/2018	Hydrocarbon	Gasoline Range Organics	n/a	<	0.012	mg/L	LUFT GC/MS	0.012	0.1			
2017/18-5	MO-HUE	matrix spike	5/31/2018	Hydrocarbon	Gasoline Range Organics	n/a	=	1.02	mg/L	LUFT GC/MS	0.012	0.1			
2017/18-5	MO-HUE	matrix spike, rec	5/31/2018	Hydrocarbon	Gasoline Range Organics	n/a	=	102	%	LUFT GC/MS	-88	-88	62	142	
2017/18-5	MO-HUE	matrix spike dup	5/31/2018	Hydrocarbon	Gasoline Range Organics	n/a	=	1.14	mg/L	LUFT GC/MS	0.012	0.1			
2017/18-5	MO-HUE	matrix spike dup, rec	5/31/2018	Hydrocarbon	Gasoline Range Organics	n/a	=	114	%	LUFT GC/MS	-88	-88	62	142	
2017/18-5	MO-HUE	matrix spike, RPD	5/31/2018	Hydrocarbon	Gasoline Range Organics	n/a	=	11	%	LUFT GC/MS	-88	-88	0	25	
2017/18-5	Lab	srgt method blank	6/4/2018	Hydrocarbon	n-Tetracosane	n/a	=	0.24	mg/L	EPA 8015D	-88	-88			
2017/18-5	Lab	srgt method blank, rec	6/4/2018	Hydrocarbon	n-Tetracosane	n/a	=	96	%	EPA 8015D	-88	-88	64	155	
2017/18-5	Lab	srgt LCS	6/4/2018	Hydrocarbon	n-Tetracosane	n/a	=	0.237	mg/L	EPA 8015D	-88	-88			
2017/18-5	Lab	srgt LCS, rec	6/4/2018	Hydrocarbon	n-Tetracosane	n/a	=	95	%	EPA 8015D	-88	-88	64	155	
2017/18-5	Lab	srgt LCS dup	6/4/2018	Hydrocarbon	n-Tetracosane	n/a	=	0.24	mg/L	EPA 8015D	-88	-88			
2017/18-5	Lab	srgt LCS dup, rec	6/4/2018	Hydrocarbon	n-Tetracosane	n/a	=	96	%	EPA 8015D	-88	-88	64	155	
2017/18-5	Lab	srgt method blank	6/8/2018	Hydrocarbon	n-Tetracosane	n/a	=	0.245	mg/L	EPA 8015D	-88	-88			
2017/18-5	Lab	srgt method blank, rec	6/8/2018	Hydrocarbon	n-Tetracosane	n/a	=	98	%	EPA 8015D	-88	-88	64	155	
2017/18-5	Lab	srgt LCS	6/8/2018	Hydrocarbon	n-Tetracosane	n/a	=	0.245	mg/L	EPA 8015D	-88	-88			
2017/18-5	Lab	srgt LCS, rec	6/8/2018	Hydrocarbon	n-Tetracosane	n/a	=	98	%	EPA 8015D	-88	-88	64	155	
2017/18-5	Lab	srgt LCS dup	6/8/2018	Hydrocarbon	n-Tetracosane	n/a	=	0.247	mg/L	EPA 8015D	-88	-88			
2017/18-5	Lab	srgt LCS dup, rec	6/8/2018	Hydrocarbon	n-Tetracosane	n/a	=	99	%	EPA 8015D	-88	-88	64	155	
2017/18-5	Lab	srgt method blank	6/28/2018	Hydrocarbon	n-Tetracosane	n/a	=	0.235	mg/L	EPA 8015D	-88	-88			
2017/18-5	Lab	srgt method blank, rec	6/28/2018	Hydrocarbon	n-Tetracosane	n/a	=	94	%	EPA 8015D	-88	-88	64	155	
2017/18-5	Lab	srgt LCS	6/28/2018	Hydrocarbon	n-Tetracosane	n/a	=	0.235	mg/L	EPA 8015D	-88	-88			
2017/18-5	Lab	srgt LCS, rec	6/28/2018	Hydrocarbon	n-Tetracosane	n/a	=	94	%	EPA 8015D	-88	-88	64	155	
2017/18-5	Lab	srgt LCS dup	6/28/2018	Hydrocarbon	n-Tetracosane	n/a	=	0.293	mg/L	EPA 8015D	-88	-88			
2017/18-5	Lab	srgt LCS dup, rec	6/28/2018	Hydrocarbon	n-Tetracosane	n/a	=	117	%	EPA 8015D	-88	-88	64	155	
2017/18-5	ME-CC	srgt environ	6/4/2018	Hydrocarbon	n-Tetracosane	n/a	=	0.293	mg/L	EPA 8015D	-88	-88			
2017/18-5	ME-CC	srgt environ, rec	6/4/2018	Hydrocarbon	n-Tetracosane	n/a	=	117	%	EPA 8015D	-88	-88	64	155	
2017/18-5	ME-SCR	srgt environ	6/8/2018	Hydrocarbon	n-Tetracosane	n/a	=	0.284	mg/L	EPA 8015D	-88	-88			
2017/18-5	ME-SCR	srgt environ, rec	6/8/2018	Hydrocarbon	n-Tetracosane	n/a	=	113	%	EPA 8015D	-88	-88	64	155	
2017/18-5	ME-VR2	srgt environ	6/28/2018	Hydrocarbon	n-Tetracosane	n/a	=	0.287	mg/L	EPA 8015D	-88	-88			
2017/18-5	ME-VR2	srgt environ, rec	6/28/2018	Hydrocarbon	n-Tetracosane	n/a	=	115	%	EPA 8015D	-88	-88	64	155	
2017/18-5	MO-CAM	srgt environ	6/4/2018	Hydrocarbon	n-Tetracosane	n/a	=	0.257	mg/L	EPA 8015D	-88	-88			
2017/18-5	MO-CAM	srgt environ, rec	6/4/2018	Hydrocarbon	n-Tetracosane	n/a	=	103	%	EPA 8015D	-88	-88	64	155	
2017/18-5	MO-FIL	srgt environ	6/8/2018	Hydrocarbon	n-Tetracosane	n/a	=	0.277	mg/L	EPA 8015D	-88	-88			
2017/18-5	MO-FIL	srgt environ, rec	6/8/2018	Hydrocarbon	n-Tetracosane	n/a	=	111	%	EPA 8015D	-88	-88	64	155	
2017/18-5	MO-HUE	srgt environ	6/4/2018	Hydrocarbon	n-Tetracosane	n/a	=	0.289	mg/L	EPA 8015D	-88	-88			
2017/18-5	MO-HUE	srgt environ, rec	6/4/2018	Hydrocarbon	n-Tetracosane	n/a	=	116	%	EPA 8015D	-88	-88	64	155	
2017/18-5	MO-OJA	srgt environ	6/28/2018	Hydrocarbon	n-Tetracosane	n/a	=	0.269	mg/L	EPA 8015D	-88	-88			
2017/18-5	MO-OJA	srgt environ, rec	6/28/2018	Hydrocarbon	n-Tetracosane	n/a	=	108	%	EPA 8015D	-88	-88	64	155	
2017/18-5	MO-SIM	srgt environ	6/4/2018	Hydrocarbon	n-Tetracosane	n/a	=	0.289	mg/L	EPA 8015D	-88	-88			
2017/18-5	MO-SIM	srgt environ, rec	6/4/2018	Hydrocarbon	n-Tetracosane	n/a	=	116	%	EPA 8015D	-88	-88	64	155	
2017/18-5	MO-THO	srgt environ	6/4/2018	Hydrocarbon	n-Tetracosane	n/a	=	0.29	mg/L	EPA 8015D	-88	-88			
2017/18-5	MO-THO	srgt environ, rec	6/4/2018	Hydrocarbon	n-Tetracosane	n/a	=	116	%	EPA 8015D	-88	-88	64	155	
2017/18-5	Lab	LCS	5/31/2018	Hydrocarbon	Oil and Grease	n/a	=	17.7	mg/L	EPA 1664A	1.3	5			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	LCS	5/31/2018	Hydrocarbon	Oil and Grease	n/a	DNQ	4.1	mg/L	EPA 1664A	1.3	5			
2017/18-5	Lab	LCS dup	5/31/2018	Hydrocarbon	Oil and Grease	n/a	=	17.5	mg/L	EPA 1664A	1.3	5			
2017/18-5	Lab	LCS dup, rec	5/31/2018	Hydrocarbon	Oil and Grease	n/a	=	88	%	EPA 1664A	-88	-88	78	114	
2017/18-5	Lab	LCS, rec	5/31/2018	Hydrocarbon	Oil and Grease	n/a	=	82	%	EPA 1664A	-88	-88	78	114	
2017/18-5	Lab	LCS, rec	5/31/2018	Hydrocarbon	Oil and Grease	n/a	=	88	%	EPA 1664A	-88	-88	78	114	
2017/18-5	Lab	LCS, RPD	5/31/2018	Hydrocarbon	Oil and Grease	n/a	=	1	%	EPA 1664A	-88	-88	0	18	
2017/18-5	Lab	method blank	5/31/2018	Hydrocarbon	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5			
2017/18-5	Lab	LCS	6/8/2018	Hydrocarbon	Oil and Grease	n/a	DNQ	4.1	mg/L	EPA 1664A	1.3	5			
2017/18-5	Lab	LCS	6/8/2018	Hydrocarbon	Oil and Grease	n/a	=	17.1	mg/L	EPA 1664A	1.3	5			
2017/18-5	Lab	LCS dup	6/8/2018	Hydrocarbon	Oil and Grease	n/a	=	17.5	mg/L	EPA 1664A	1.3	5			
2017/18-5	Lab	LCS dup, rec	6/8/2018	Hydrocarbon	Oil and Grease	n/a	=	88	%	EPA 1664A	-88	-88	78	114	
2017/18-5	Lab	LCS, rec	6/8/2018	Hydrocarbon	Oil and Grease	n/a	=	82	%	EPA 1664A	-88	-88	78	114	
2017/18-5	Lab	LCS, rec	6/8/2018	Hydrocarbon	Oil and Grease	n/a	=	86	%	EPA 1664A	-88	-88	78	114	
2017/18-5	Lab	LCS, RPD	6/8/2018	Hydrocarbon	Oil and Grease	n/a	=	2	%	EPA 1664A	-88	-88	0	18	
2017/18-5	Lab	method blank	6/8/2018	Hydrocarbon	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5			
2017/18-5	Lab	LCS	6/25/2018	Hydrocarbon	Oil and Grease	n/a	=	17.1	mg/L	EPA 1664A	1.3	5			
2017/18-5	Lab	LCS	6/25/2018	Hydrocarbon	Oil and Grease	n/a	DNQ	4.3	mg/L	EPA 1664A	1.3	5			
2017/18-5	Lab	LCS dup	6/25/2018	Hydrocarbon	Oil and Grease	n/a	=	17.3	mg/L	EPA 1664A	1.3	5			
2017/18-5	Lab	LCS dup, rec	6/25/2018	Hydrocarbon	Oil and Grease	n/a	=	86	%	EPA 1664A	-88	-88	78	114	
2017/18-5	Lab	LCS, rec	6/25/2018	Hydrocarbon	Oil and Grease	n/a	=	86	%	EPA 1664A	-88	-88	78	114	
2017/18-5	Lab	LCS, rec	6/25/2018	Hydrocarbon	Oil and Grease	n/a	=	86	%	EPA 1664A	-88	-88	78	114	
2017/18-5	Lab	LCS, RPD	6/25/2018	Hydrocarbon	Oil and Grease	n/a	=	1	%	EPA 1664A	-88	-88	0	18	
2017/18-5	Lab	method blank	6/25/2018	Hydrocarbon	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5			
2017/18-5	ME-CC	matrix spike	5/31/2018	Hydrocarbon	Oil and Grease	n/a	=	22.6	mg/L	EPA 1664A	1.3	5			
2017/18-5	ME-CC	matrix spike, rec	5/31/2018	Hydrocarbon	Oil and Grease	n/a	=	94	%	EPA 1664A	-88	-88	78	114	
2017/18-5	ME-SCR	matrix spike	6/8/2018	Hydrocarbon	Oil and Grease	n/a	=	24.5	mg/L	EPA 1664A	1.3	5			
2017/18-5	ME-SCR	matrix spike, rec	6/8/2018	Hydrocarbon	Oil and Grease	n/a	=	104	%	EPA 1664A	-88	-88	78	114	
2017/18-5	ME-VR2	matrix spike	6/25/2018	Hydrocarbon	Oil and Grease	n/a	=	21.6	mg/L	EPA 1664A	1.3	5			
2017/18-5	ME-VR2	matrix spike, rec	6/25/2018	Hydrocarbon	Oil and Grease	n/a	=	87	%	EPA 1664A	-88	-88	78	114	
2017/18-5	Lab	method blank	6/4/2018	Hydrocarbon	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5			
2017/18-5	Lab	method blank	6/8/2018	Hydrocarbon	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5			
2017/18-5	Lab	method blank	6/28/2018	Hydrocarbon	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5			
2017/18-5	Lab	method blank	6/8/2018	Metal	Aluminum	Dissolved	DNQ	1.71	µg/L	EPA 200.8	1.3	5			IP
2017/18-5	Lab	LCS	6/8/2018	Metal	Aluminum	Dissolved	=	53.6	µg/L	EPA 200.8	1.3	5			
2017/18-5	Lab	LCS, rec	6/8/2018	Metal	Aluminum	Dissolved	=	107	%	EPA 200.8	-88	-88	85	115	
2017/18-5	Lab	method blank	6/18/2018	Metal	Aluminum	Dissolved	DNQ	1.44	µg/L	EPA 200.8	1.3	5			IP
2017/18-5	Lab	LCS	6/18/2018	Metal	Aluminum	Dissolved	=	53	µg/L	EPA 200.8	1.3	5			
2017/18-5	Lab	LCS, rec	6/18/2018	Metal	Aluminum	Dissolved	=	106	%	EPA 200.8	-88	-88	85	115	
2017/18-5	Lab	method blank	7/3/2018	Metal	Aluminum	Dissolved	<	1.3	µg/L	EPA 200.8	1.3	5			
2017/18-5	Lab	LCS	7/3/2018	Metal	Aluminum	Dissolved	=	50.1	µg/L	EPA 200.8	1.3	5			
2017/18-5	Lab	LCS, rec	7/3/2018	Metal	Aluminum	Dissolved	=	100	%	EPA 200.8	-88	-88	85	115	
2017/18-5	ME-VR2	matrix spike	7/3/2018	Metal	Aluminum	Dissolved	=	52.2	µg/L	EPA 200.8	1.3	5			
2017/18-5	ME-VR2	matrix spike, rec	7/3/2018	Metal	Aluminum	Dissolved	=	101	%	EPA 200.8	-88	-88	70	130	
2017/18-5	ME-VR2	matrix spike dup	7/3/2018	Metal	Aluminum	Dissolved	=	50	µg/L	EPA 200.8	1.3	5			
2017/18-5	ME-VR2	matrix spike dup, rec	7/3/2018	Metal	Aluminum	Dissolved	=	97	%	EPA 200.8	-88	-88	70	130	
2017/18-5	ME-VR2	matrix spike, RPD	7/3/2018	Metal	Aluminum	Dissolved	=	4	%	EPA 200.8	-88	-88	0	30	
2017/18-5	Lab	method blank	6/8/2018	Metal	Aluminum	Total	DNQ	1.94	µg/L	EPA 200.8	1.3	5			IP

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	LCS	6/8/2018	Metal	Aluminum	Total	=	53.6	µg/L	EPA 200.8	1.3	5			
2017/18-5	Lab	LCS, rec	6/8/2018	Metal	Aluminum	Total	=	107	%	EPA 200.8	-88	-88	85	115	
2017/18-5	Lab	method blank	6/18/2018	Metal	Aluminum	Total	<	1.3	µg/L	EPA 200.8	1.3	5			
2017/18-5	Lab	LCS	6/18/2018	Metal	Aluminum	Total	=	53	µg/L	EPA 200.8	1.3	5			
2017/18-5	Lab	LCS, rec	6/18/2018	Metal	Aluminum	Total	=	106	%	EPA 200.8	-88	-88	85	115	
2017/18-5	Lab	method blank	6/27/2018	Metal	Aluminum	Total	<	1.3	µg/L	EPA 200.8	1.3	5			
2017/18-5	Lab	LCS	6/27/2018	Metal	Aluminum	Total	=	49.9	µg/L	EPA 200.8	1.3	5			
2017/18-5	Lab	LCS, rec	6/27/2018	Metal	Aluminum	Total	=	100	%	EPA 200.8	-88	-88	85	115	
2017/18-5	ME-CC	matrix spike	6/8/2018	Metal	Aluminum	Total	=	336	µg/L	EPA 200.8	1.3	5			GB
2017/18-5	ME-CC	matrix spike, rec	6/8/2018	Metal	Aluminum	Total	=	152	%	EPA 200.8	-88	-88	70	130	GB
2017/18-5	ME-CC	matrix spike dup	6/8/2018	Metal	Aluminum	Total	=	348	µg/L	EPA 200.8	1.3	5			GB
2017/18-5	ME-CC	matrix spike dup, rec	6/8/2018	Metal	Aluminum	Total	=	174	%	EPA 200.8	-88	-88	70	130	GB
2017/18-5	ME-CC	matrix spike, RPD	6/8/2018	Metal	Aluminum	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2017/18-5	ME-SCR	matrix spike	6/18/2018	Metal	Aluminum	Total	=	322	µg/L	EPA 200.8	1.3	5			
2017/18-5	ME-SCR	matrix spike, rec	6/18/2018	Metal	Aluminum	Total	=	114	%	EPA 200.8	-88	-88	70	130	
2017/18-5	ME-SCR	matrix spike dup	6/18/2018	Metal	Aluminum	Total	=	317	µg/L	EPA 200.8	1.3	5			
2017/18-5	ME-SCR	matrix spike dup, rec	6/18/2018	Metal	Aluminum	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2017/18-5	ME-SCR	matrix spike, RPD	6/18/2018	Metal	Aluminum	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2017/18-5	ME-VR2	matrix spike	6/27/2018	Metal	Aluminum	Total	=	127	µg/L	EPA 200.8	1.3	5			
2017/18-5	ME-VR2	matrix spike, rec	6/27/2018	Metal	Aluminum	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2017/18-5	ME-VR2	matrix spike dup	6/27/2018	Metal	Aluminum	Total	=	126	µg/L	EPA 200.8	1.3	5			
2017/18-5	ME-VR2	matrix spike dup, rec	6/27/2018	Metal	Aluminum	Total	=	92	%	EPA 200.8	-88	-88	70	130	
2017/18-5	ME-VR2	matrix spike, RPD	6/27/2018	Metal	Aluminum	Total	=	0.6	%	EPA 200.8	-88	-88	0	30	
2017/18-5	MO-CAM	matrix spike	6/8/2018	Metal	Aluminum	Total	=	94.4	µg/L	EPA 200.8	1.3	5			
2017/18-5	MO-CAM	matrix spike, rec	6/8/2018	Metal	Aluminum	Total	=	113	%	EPA 200.8	-88	-88	70	130	
2017/18-5	MO-CAM	matrix spike dup	6/8/2018	Metal	Aluminum	Total	=	92.3	µg/L	EPA 200.8	1.3	5			
2017/18-5	MO-CAM	matrix spike dup, rec	6/8/2018	Metal	Aluminum	Total	=	108	%	EPA 200.8	-88	-88	70	130	
2017/18-5	MO-CAM	matrix spike, RPD	6/8/2018	Metal	Aluminum	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2017/18-5	MO-OJA	matrix spike	6/27/2018	Metal	Aluminum	Total	=	76.4	µg/L	EPA 200.8	1.3	5			
2017/18-5	MO-OJA	matrix spike, rec	6/27/2018	Metal	Aluminum	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2017/18-5	MO-OJA	matrix spike dup	6/27/2018	Metal	Aluminum	Total	=	77.4	µg/L	EPA 200.8	1.3	5			
2017/18-5	MO-OJA	matrix spike dup, rec	6/27/2018	Metal	Aluminum	Total	=	104	%	EPA 200.8	-88	-88	70	130	
2017/18-5	MO-OJA	matrix spike, RPD	6/27/2018	Metal	Aluminum	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2017/18-5	Lab	method blank	6/8/2018	Metal	Antimony	Dissolved	<	0.045	µg/L	EPA 200.8	0.045	0.5			
2017/18-5	Lab	LCS	6/8/2018	Metal	Antimony	Dissolved	=	49.1	µg/L	EPA 200.8	0.045	0.5			
2017/18-5	Lab	LCS, rec	6/8/2018	Metal	Antimony	Dissolved	=	98	%	EPA 200.8	-88	-88	85	115	
2017/18-5	Lab	method blank	6/16/2018	Metal	Antimony	Dissolved	<	0.045	µg/L	EPA 200.8	0.045	0.5			
2017/18-5	Lab	LCS	6/16/2018	Metal	Antimony	Dissolved	=	51.5	µg/L	EPA 200.8	0.045	0.5			
2017/18-5	Lab	LCS, rec	6/16/2018	Metal	Antimony	Dissolved	=	103	%	EPA 200.8	-88	-88	85	115	
2017/18-5	Lab	method blank	6/27/2018	Metal	Antimony	Dissolved	<	0.045	µg/L	EPA 200.8	0.045	0.5			
2017/18-5	Lab	LCS	6/27/2018	Metal	Antimony	Dissolved	=	46	µg/L	EPA 200.8	0.045	0.5			
2017/18-5	Lab	LCS, rec	6/27/2018	Metal	Antimony	Dissolved	=	92	%	EPA 200.8	-88	-88	85	115	
2017/18-5	Lab	method blank	6/8/2018	Metal	Antimony	Total	<	0.045	µg/L	EPA 200.8	0.045	0.5			
2017/18-5	Lab	LCS	6/8/2018	Metal	Antimony	Total	=	49.1	µg/L	EPA 200.8	0.045	0.5			
2017/18-5	Lab	LCS, rec	6/8/2018	Metal	Antimony	Total	=	98	%	EPA 200.8	-88	-88	85	115	
2017/18-5	Lab	method blank	6/16/2018	Metal	Antimony	Total	<	0.045	µg/L	EPA 200.8	0.045	0.5			
2017/18-5	Lab	LCS	6/16/2018	Metal	Antimony	Total	=	51.5	µg/L	EPA 200.8	0.045	0.5			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	LCS, rec	6/16/2018	Metal	Antimony	Total	=	103	%	EPA 200.8	-88	-88	85	115	
2017/18-5	Lab	method blank	6/27/2018	Metal	Antimony	Total	<	0.045	µg/L	EPA 200.8	0.045	0.5			
2017/18-5	Lab	LCS	6/27/2018	Metal	Antimony	Total	=	46	µg/L	EPA 200.8	0.045	0.5			
2017/18-5	Lab	LCS, rec	6/27/2018	Metal	Antimony	Total	=	92	%	EPA 200.8	-88	-88	85	115	
2017/18-5	ME-CC	matrix spike	6/8/2018	Metal	Antimony	Total	=	49.5	µg/L	EPA 200.8	0.045	0.5			
2017/18-5	ME-CC	matrix spike, rec	6/8/2018	Metal	Antimony	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2017/18-5	ME-CC	matrix spike dup	6/8/2018	Metal	Antimony	Total	=	48.8	µg/L	EPA 200.8	0.045	0.5			
2017/18-5	ME-CC	matrix spike dup, rec	6/8/2018	Metal	Antimony	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2017/18-5	ME-CC	matrix spike, RPD	6/8/2018	Metal	Antimony	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2017/18-5	ME-SCR	matrix spike	6/16/2018	Metal	Antimony	Total	=	51.6	µg/L	EPA 200.8	0.045	0.5			
2017/18-5	ME-SCR	matrix spike, rec	6/16/2018	Metal	Antimony	Total	=	103	%	EPA 200.8	-88	-88	70	130	
2017/18-5	ME-SCR	matrix spike dup	6/16/2018	Metal	Antimony	Total	=	51.2	µg/L	EPA 200.8	0.045	0.5			
2017/18-5	ME-SCR	matrix spike dup, rec	6/16/2018	Metal	Antimony	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2017/18-5	ME-SCR	matrix spike, RPD	6/16/2018	Metal	Antimony	Total	=	0.9	%	EPA 200.8	-88	-88	0	30	
2017/18-5	ME-VR2	matrix spike	6/27/2018	Metal	Antimony	Total	=	46	µg/L	EPA 200.8	0.045	0.5			
2017/18-5	ME-VR2	matrix spike, rec	6/27/2018	Metal	Antimony	Total	=	92	%	EPA 200.8	-88	-88	70	130	
2017/18-5	ME-VR2	matrix spike dup	6/27/2018	Metal	Antimony	Total	=	46.1	µg/L	EPA 200.8	0.045	0.5			
2017/18-5	ME-VR2	matrix spike dup, rec	6/27/2018	Metal	Antimony	Total	=	92	%	EPA 200.8	-88	-88	70	130	
2017/18-5	ME-VR2	matrix spike, RPD	6/27/2018	Metal	Antimony	Total	=	0.2	%	EPA 200.8	-88	-88	0	30	
2017/18-5	MO-CAM	matrix spike	6/8/2018	Metal	Antimony	Total	=	49.9	µg/L	EPA 200.8	0.045	0.5			
2017/18-5	MO-CAM	matrix spike, rec	6/8/2018	Metal	Antimony	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2017/18-5	MO-CAM	matrix spike dup	6/8/2018	Metal	Antimony	Total	=	49.8	µg/L	EPA 200.8	0.045	0.5			
2017/18-5	MO-CAM	matrix spike dup, rec	6/8/2018	Metal	Antimony	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2017/18-5	MO-CAM	matrix spike, RPD	6/8/2018	Metal	Antimony	Total	=	0.2	%	EPA 200.8	-88	-88	0	30	
2017/18-5	MO-OJA	matrix spike	6/27/2018	Metal	Antimony	Total	=	46.2	µg/L	EPA 200.8	0.045	0.5			
2017/18-5	MO-OJA	matrix spike, rec	6/27/2018	Metal	Antimony	Total	=	92	%	EPA 200.8	-88	-88	70	130	
2017/18-5	MO-OJA	matrix spike dup	6/27/2018	Metal	Antimony	Total	=	46.6	µg/L	EPA 200.8	0.045	0.5			
2017/18-5	MO-OJA	matrix spike dup, rec	6/27/2018	Metal	Antimony	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2017/18-5	MO-OJA	matrix spike, RPD	6/27/2018	Metal	Antimony	Total	=	0.9	%	EPA 200.8	-88	-88	0	30	
2017/18-5	Lab	method blank	6/8/2018	Metal	Arsenic	Dissolved	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2017/18-5	Lab	LCS	6/8/2018	Metal	Arsenic	Dissolved	=	50.6	µg/L	EPA 200.8	0.074	0.4			
2017/18-5	Lab	LCS, rec	6/8/2018	Metal	Arsenic	Dissolved	=	101	%	EPA 200.8	-88	-88	85	115	
2017/18-5	Lab	method blank	6/16/2018	Metal	Arsenic	Dissolved	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2017/18-5	Lab	LCS	6/16/2018	Metal	Arsenic	Dissolved	=	56.2	µg/L	EPA 200.8	0.074	0.4			
2017/18-5	Lab	LCS, rec	6/16/2018	Metal	Arsenic	Dissolved	=	112	%	EPA 200.8	-88	-88	85	115	
2017/18-5	Lab	method blank	6/27/2018	Metal	Arsenic	Dissolved	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2017/18-5	Lab	LCS	6/27/2018	Metal	Arsenic	Dissolved	=	49.1	µg/L	EPA 200.8	0.074	0.4			
2017/18-5	Lab	LCS, rec	6/27/2018	Metal	Arsenic	Dissolved	=	98	%	EPA 200.8	-88	-88	85	115	
2017/18-5	Lab	method blank	6/8/2018	Metal	Arsenic	Total	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2017/18-5	Lab	LCS	6/8/2018	Metal	Arsenic	Total	=	50.6	µg/L	EPA 200.8	0.074	0.4			
2017/18-5	Lab	LCS, rec	6/8/2018	Metal	Arsenic	Total	=	101	%	EPA 200.8	-88	-88	85	115	
2017/18-5	Lab	method blank	6/16/2018	Metal	Arsenic	Total	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2017/18-5	Lab	LCS	6/16/2018	Metal	Arsenic	Total	=	56.2	µg/L	EPA 200.8	0.074	0.4			
2017/18-5	Lab	LCS, rec	6/16/2018	Metal	Arsenic	Total	=	112	%	EPA 200.8	-88	-88	85	115	
2017/18-5	Lab	method blank	6/27/2018	Metal	Arsenic	Total	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2017/18-5	Lab	LCS	6/27/2018	Metal	Arsenic	Total	=	49.1	µg/L	EPA 200.8	0.074	0.4			
2017/18-5	Lab	LCS, rec	6/27/2018	Metal	Arsenic	Total	=	98	%	EPA 200.8	-88	-88	85	115	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	ME-CC	matrix spike	6/8/2018	Metal	Arsenic	Total	=	56.4	µg/L	EPA 200.8	0.074	0.4			
2017/18-5	ME-CC	matrix spike, rec	6/8/2018	Metal	Arsenic	Total	=	103	%	EPA 200.8	-88	-88	70	130	
2017/18-5	ME-CC	matrix spike dup	6/8/2018	Metal	Arsenic	Total	=	56.9	µg/L	EPA 200.8	0.074	0.4			
2017/18-5	ME-CC	matrix spike dup, rec	6/8/2018	Metal	Arsenic	Total	=	103	%	EPA 200.8	-88	-88	70	130	
2017/18-5	ME-CC	matrix spike, RPD	6/8/2018	Metal	Arsenic	Total	=	0.8	%	EPA 200.8	-88	-88	0	30	
2017/18-5	ME-SCR	matrix spike	6/16/2018	Metal	Arsenic	Total	=	52.8	µg/L	EPA 200.8	0.074	0.4			
2017/18-5	ME-SCR	matrix spike, rec	6/16/2018	Metal	Arsenic	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2017/18-5	ME-SCR	matrix spike dup	6/16/2018	Metal	Arsenic	Total	=	54.3	µg/L	EPA 200.8	0.074	0.4			
2017/18-5	ME-SCR	matrix spike dup, rec	6/16/2018	Metal	Arsenic	Total	=	105	%	EPA 200.8	-88	-88	70	130	
2017/18-5	ME-SCR	matrix spike, RPD	6/16/2018	Metal	Arsenic	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2017/18-5	ME-VR2	matrix spike	6/27/2018	Metal	Arsenic	Total	=	51	µg/L	EPA 200.8	0.074	0.4			
2017/18-5	ME-VR2	matrix spike, rec	6/27/2018	Metal	Arsenic	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2017/18-5	ME-VR2	matrix spike dup	6/27/2018	Metal	Arsenic	Total	=	50.8	µg/L	EPA 200.8	0.074	0.4			
2017/18-5	ME-VR2	matrix spike dup, rec	6/27/2018	Metal	Arsenic	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2017/18-5	ME-VR2	matrix spike, RPD	6/27/2018	Metal	Arsenic	Total	=	0.4	%	EPA 200.8	-88	-88	0	30	
2017/18-5	MO-CAM	matrix spike	6/8/2018	Metal	Arsenic	Total	=	57.2	µg/L	EPA 200.8	0.074	0.4			
2017/18-5	MO-CAM	matrix spike, rec	6/8/2018	Metal	Arsenic	Total	=	107	%	EPA 200.8	-88	-88	70	130	
2017/18-5	MO-CAM	matrix spike dup	6/8/2018	Metal	Arsenic	Total	=	55.8	µg/L	EPA 200.8	0.074	0.4			
2017/18-5	MO-CAM	matrix spike dup, rec	6/8/2018	Metal	Arsenic	Total	=	104	%	EPA 200.8	-88	-88	70	130	
2017/18-5	MO-CAM	matrix spike, RPD	6/8/2018	Metal	Arsenic	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2017/18-5	MO-OJA	matrix spike	6/27/2018	Metal	Arsenic	Total	=	51.6	µg/L	EPA 200.8	0.074	0.4			
2017/18-5	MO-OJA	matrix spike, rec	6/27/2018	Metal	Arsenic	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2017/18-5	MO-OJA	matrix spike dup	6/27/2018	Metal	Arsenic	Total	=	51.5	µg/L	EPA 200.8	0.074	0.4			
2017/18-5	MO-OJA	matrix spike dup, rec	6/27/2018	Metal	Arsenic	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2017/18-5	MO-OJA	matrix spike, RPD	6/27/2018	Metal	Arsenic	Total	=	0.2	%	EPA 200.8	-88	-88	0	30	
2017/18-5	Lab	method blank	6/8/2018	Metal	Barium	Total	<	0.071	µg/L	EPA 200.8	0.071	0.5			
2017/18-5	Lab	LCS	6/8/2018	Metal	Barium	Total	=	50.8	µg/L	EPA 200.8	0.071	0.5			
2017/18-5	Lab	LCS, rec	6/8/2018	Metal	Barium	Total	=	102	%	EPA 200.8	-88	-88	85	115	
2017/18-5	Lab	method blank	6/16/2018	Metal	Barium	Total	<	0.071	µg/L	EPA 200.8	0.071	0.5			
2017/18-5	Lab	LCS	6/16/2018	Metal	Barium	Total	=	49	µg/L	EPA 200.8	0.071	0.5			
2017/18-5	Lab	LCS, rec	6/16/2018	Metal	Barium	Total	=	98	%	EPA 200.8	-88	-88	85	115	
2017/18-5	Lab	method blank	6/27/2018	Metal	Barium	Total	<	0.071	µg/L	EPA 200.8	0.071	0.5			
2017/18-5	Lab	LCS	6/27/2018	Metal	Barium	Total	=	48	µg/L	EPA 200.8	0.071	0.5			
2017/18-5	Lab	LCS, rec	6/27/2018	Metal	Barium	Total	=	96	%	EPA 200.8	-88	-88	85	115	
2017/18-5	ME-CC	matrix spike	6/8/2018	Metal	Barium	Total	=	89.9	µg/L	EPA 200.8	0.071	0.5			
2017/18-5	ME-CC	matrix spike, rec	6/8/2018	Metal	Barium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2017/18-5	ME-CC	matrix spike dup	6/8/2018	Metal	Barium	Total	=	89.9	µg/L	EPA 200.8	0.071	0.5			
2017/18-5	ME-CC	matrix spike dup, rec	6/8/2018	Metal	Barium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2017/18-5	ME-CC	matrix spike, RPD	6/8/2018	Metal	Barium	Total	=	0.07	%	EPA 200.8	-88	-88	0	30	
2017/18-5	ME-SCR	matrix spike	6/16/2018	Metal	Barium	Total	=	103	µg/L	EPA 200.8	0.071	0.5			
2017/18-5	ME-SCR	matrix spike, rec	6/16/2018	Metal	Barium	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2017/18-5	ME-SCR	matrix spike dup	6/16/2018	Metal	Barium	Total	=	105	µg/L	EPA 200.8	0.071	0.5			
2017/18-5	ME-SCR	matrix spike dup, rec	6/16/2018	Metal	Barium	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2017/18-5	ME-SCR	matrix spike, RPD	6/16/2018	Metal	Barium	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2017/18-5	ME-VR2	matrix spike	6/27/2018	Metal	Barium	Total	=	111	µg/L	EPA 200.8	0.071	0.5			
2017/18-5	ME-VR2	matrix spike, rec	6/27/2018	Metal	Barium	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2017/18-5	ME-VR2	matrix spike dup	6/27/2018	Metal	Barium	Total	=	110	µg/L	EPA 200.8	0.071	0.5			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	ME-VR2	matrix spike dup, rec	6/27/2018	Metal	Barium	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2017/18-5	ME-VR2	matrix spike, RPD	6/27/2018	Metal	Barium	Total	=	0.5	%	EPA 200.8	-88	-88	0	30	
2017/18-5	MO-CAM	matrix spike	6/8/2018	Metal	Barium	Total	=	105	µg/L	EPA 200.8	0.071	0.5			
2017/18-5	MO-CAM	matrix spike, rec	6/8/2018	Metal	Barium	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2017/18-5	MO-CAM	matrix spike dup	6/8/2018	Metal	Barium	Total	=	104	µg/L	EPA 200.8	0.071	0.5			
2017/18-5	MO-CAM	matrix spike dup, rec	6/8/2018	Metal	Barium	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2017/18-5	MO-CAM	matrix spike, RPD	6/8/2018	Metal	Barium	Total	=	0.3	%	EPA 200.8	-88	-88	0	30	
2017/18-5	MO-OJA	matrix spike	6/27/2018	Metal	Barium	Total	=	136	µg/L	EPA 200.8	0.071	0.5			
2017/18-5	MO-OJA	matrix spike, rec	6/27/2018	Metal	Barium	Total	=	89	%	EPA 200.8	-88	-88	70	130	
2017/18-5	MO-OJA	matrix spike dup	6/27/2018	Metal	Barium	Total	=	140	µg/L	EPA 200.8	0.071	0.5			
2017/18-5	MO-OJA	matrix spike dup, rec	6/27/2018	Metal	Barium	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2017/18-5	MO-OJA	matrix spike, RPD	6/27/2018	Metal	Barium	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2017/18-5	Lab	method blank	6/8/2018	Metal	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2017/18-5	Lab	LCS	6/8/2018	Metal	Beryllium	Dissolved	=	48.5	µg/L	EPA 200.8	0.033	0.1			
2017/18-5	Lab	LCS, rec	6/8/2018	Metal	Beryllium	Dissolved	=	97	%	EPA 200.8	-88	-88	85	115	
2017/18-5	Lab	method blank	6/16/2018	Metal	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2017/18-5	Lab	LCS	6/16/2018	Metal	Beryllium	Dissolved	=	50.9	µg/L	EPA 200.8	0.033	0.1			
2017/18-5	Lab	LCS, rec	6/16/2018	Metal	Beryllium	Dissolved	=	102	%	EPA 200.8	-88	-88	85	115	
2017/18-5	Lab	method blank	6/28/2018	Metal	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2017/18-5	Lab	LCS	6/28/2018	Metal	Beryllium	Dissolved	=	47	µg/L	EPA 200.8	0.033	0.1			
2017/18-5	Lab	LCS, rec	6/28/2018	Metal	Beryllium	Dissolved	=	94	%	EPA 200.8	-88	-88	85	115	
2017/18-5	Lab	method blank	6/8/2018	Metal	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2017/18-5	Lab	LCS	6/8/2018	Metal	Beryllium	Total	=	48.5	µg/L	EPA 200.8	0.033	0.1			
2017/18-5	Lab	LCS, rec	6/8/2018	Metal	Beryllium	Total	=	97	%	EPA 200.8	-88	-88	85	115	
2017/18-5	Lab	method blank	6/16/2018	Metal	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2017/18-5	Lab	LCS	6/16/2018	Metal	Beryllium	Total	=	50.9	µg/L	EPA 200.8	0.033	0.1			
2017/18-5	Lab	LCS, rec	6/16/2018	Metal	Beryllium	Total	=	102	%	EPA 200.8	-88	-88	85	115	
2017/18-5	Lab	method blank	6/28/2018	Metal	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2017/18-5	Lab	LCS	6/28/2018	Metal	Beryllium	Total	=	47	µg/L	EPA 200.8	0.033	0.1			
2017/18-5	Lab	LCS, rec	6/28/2018	Metal	Beryllium	Total	=	94	%	EPA 200.8	-88	-88	85	115	
2017/18-5	ME-CC	matrix spike	6/8/2018	Metal	Beryllium	Total	=	50.1	µg/L	EPA 200.8	0.033	0.1			
2017/18-5	ME-CC	matrix spike, rec	6/8/2018	Metal	Beryllium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2017/18-5	ME-CC	matrix spike dup	6/8/2018	Metal	Beryllium	Total	=	50.2	µg/L	EPA 200.8	0.033	0.1			
2017/18-5	ME-CC	matrix spike dup, rec	6/8/2018	Metal	Beryllium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2017/18-5	ME-CC	matrix spike, RPD	6/8/2018	Metal	Beryllium	Total	=	0.2	%	EPA 200.8	-88	-88	0	30	
2017/18-5	ME-SCR	matrix spike	6/16/2018	Metal	Beryllium	Total	=	43.3	µg/L	EPA 200.8	0.033	0.1			
2017/18-5	ME-SCR	matrix spike, rec	6/16/2018	Metal	Beryllium	Total	=	87	%	EPA 200.8	-88	-88	70	130	
2017/18-5	ME-SCR	matrix spike dup	6/16/2018	Metal	Beryllium	Total	=	41	µg/L	EPA 200.8	0.033	0.1			
2017/18-5	ME-SCR	matrix spike dup, rec	6/16/2018	Metal	Beryllium	Total	=	82	%	EPA 200.8	-88	-88	70	130	
2017/18-5	ME-SCR	matrix spike, RPD	6/16/2018	Metal	Beryllium	Total	=	5	%	EPA 200.8	-88	-88	0	30	
2017/18-5	ME-VR2	matrix spike dup	6/28/2018	Metal	Beryllium	Total	=	48.4	µg/L	EPA 200.8	0.033	0.1			
2017/18-5	ME-VR2	matrix spike dup, rec	6/28/2018	Metal	Beryllium	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2017/18-5	ME-VR2	matrix spike, RPD	6/28/2018	Metal	Beryllium	Total	=	4	%	EPA 200.8	-88	-88	0	30	
2017/18-5	ME-VR2	matrix spike	6/28/2018	Metal	Beryllium	Total	=	50.1	µg/L	EPA 200.8	0.033	0.1			
2017/18-5	ME-VR2	matrix spike, rec	6/28/2018	Metal	Beryllium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2017/18-5	MO-CAM	matrix spike	6/8/2018	Metal	Beryllium	Total	=	51.1	µg/L	EPA 200.8	0.033	0.1			
2017/18-5	MO-CAM	matrix spike, rec	6/8/2018	Metal	Beryllium	Total	=	102	%	EPA 200.8	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	MO-CAM	matrix spike dup	6/8/2018	Metal	Beryllium	Total	=	51.6	µg/L	EPA 200.8	0.033	0.1			
2017/18-5	MO-CAM	matrix spike dup, rec	6/8/2018	Metal	Beryllium	Total	=	103	%	EPA 200.8	-88	-88	70	130	
2017/18-5	MO-CAM	matrix spike, RPD	6/8/2018	Metal	Beryllium	Total	=	0.9	%	EPA 200.8	-88	-88	0	30	
2017/18-5	MO-OJA	matrix spike	6/28/2018	Metal	Beryllium	Total	=	49.9	µg/L	EPA 200.8	0.033	0.1			
2017/18-5	MO-OJA	matrix spike, rec	6/28/2018	Metal	Beryllium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2017/18-5	MO-OJA	matrix spike dup	6/28/2018	Metal	Beryllium	Total	=	49.2	µg/L	EPA 200.8	0.033	0.1			
2017/18-5	MO-OJA	matrix spike dup, rec	6/28/2018	Metal	Beryllium	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2017/18-5	MO-OJA	matrix spike, RPD	6/28/2018	Metal	Beryllium	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2017/18-5	Lab	method blank	6/8/2018	Metal	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2017/18-5	Lab	LCS	6/8/2018	Metal	Cadmium	Dissolved	=	49.9	µg/L	EPA 200.8	0.041	0.1			
2017/18-5	Lab	LCS, rec	6/8/2018	Metal	Cadmium	Dissolved	=	100	%	EPA 200.8	-88	-88	85	115	
2017/18-5	Lab	method blank	6/16/2018	Metal	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2017/18-5	Lab	LCS	6/16/2018	Metal	Cadmium	Dissolved	=	46.9	µg/L	EPA 200.8	0.041	0.1			
2017/18-5	Lab	LCS, rec	6/16/2018	Metal	Cadmium	Dissolved	=	94	%	EPA 200.8	-88	-88	85	115	
2017/18-5	Lab	method blank	6/27/2018	Metal	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2017/18-5	Lab	LCS	6/27/2018	Metal	Cadmium	Dissolved	=	48.6	µg/L	EPA 200.8	0.041	0.1			
2017/18-5	Lab	LCS, rec	6/27/2018	Metal	Cadmium	Dissolved	=	97	%	EPA 200.8	-88	-88	85	115	
2017/18-5	Lab	method blank	6/8/2018	Metal	Cadmium	Total	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2017/18-5	Lab	LCS	6/8/2018	Metal	Cadmium	Total	=	49.9	µg/L	EPA 200.8	0.041	0.1			
2017/18-5	Lab	LCS, rec	6/8/2018	Metal	Cadmium	Total	=	100	%	EPA 200.8	-88	-88	85	115	
2017/18-5	Lab	method blank	6/16/2018	Metal	Cadmium	Total	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2017/18-5	Lab	LCS	6/16/2018	Metal	Cadmium	Total	=	46.9	µg/L	EPA 200.8	0.041	0.1			
2017/18-5	Lab	LCS, rec	6/16/2018	Metal	Cadmium	Total	=	94	%	EPA 200.8	-88	-88	85	115	
2017/18-5	Lab	method blank	6/27/2018	Metal	Cadmium	Total	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2017/18-5	Lab	LCS	6/27/2018	Metal	Cadmium	Total	=	48.6	µg/L	EPA 200.8	0.041	0.1			
2017/18-5	Lab	LCS, rec	6/27/2018	Metal	Cadmium	Total	=	97	%	EPA 200.8	-88	-88	85	115	
2017/18-5	ME-CC	matrix spike	6/8/2018	Metal	Cadmium	Total	=	47.6	µg/L	EPA 200.8	0.041	0.1			
2017/18-5	ME-CC	matrix spike, rec	6/8/2018	Metal	Cadmium	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2017/18-5	ME-CC	matrix spike dup	6/8/2018	Metal	Cadmium	Total	=	47.4	µg/L	EPA 200.8	0.041	0.1			
2017/18-5	ME-CC	matrix spike dup, rec	6/8/2018	Metal	Cadmium	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2017/18-5	ME-CC	matrix spike, RPD	6/8/2018	Metal	Cadmium	Total	=	0.3	%	EPA 200.8	-88	-88	0	30	
2017/18-5	ME-SCR	matrix spike	6/16/2018	Metal	Cadmium	Total	=	44	µg/L	EPA 200.8	0.041	0.1			
2017/18-5	ME-SCR	matrix spike, rec	6/16/2018	Metal	Cadmium	Total	=	88	%	EPA 200.8	-88	-88	70	130	
2017/18-5	ME-SCR	matrix spike dup	6/16/2018	Metal	Cadmium	Total	=	43.7	µg/L	EPA 200.8	0.041	0.1			
2017/18-5	ME-SCR	matrix spike dup, rec	6/16/2018	Metal	Cadmium	Total	=	87	%	EPA 200.8	-88	-88	70	130	
2017/18-5	ME-SCR	matrix spike, RPD	6/16/2018	Metal	Cadmium	Total	=	0.6	%	EPA 200.8	-88	-88	0	30	
2017/18-5	ME-VR2	matrix spike	6/27/2018	Metal	Cadmium	Total	=	46.8	µg/L	EPA 200.8	0.041	0.1			
2017/18-5	ME-VR2	matrix spike, rec	6/27/2018	Metal	Cadmium	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2017/18-5	ME-VR2	matrix spike dup	6/27/2018	Metal	Cadmium	Total	=	46.5	µg/L	EPA 200.8	0.041	0.1			
2017/18-5	ME-VR2	matrix spike dup, rec	6/27/2018	Metal	Cadmium	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2017/18-5	ME-VR2	matrix spike, RPD	6/27/2018	Metal	Cadmium	Total	=	0.7	%	EPA 200.8	-88	-88	0	30	
2017/18-5	MO-CAM	matrix spike	6/8/2018	Metal	Cadmium	Total	=	48.8	µg/L	EPA 200.8	0.041	0.1			
2017/18-5	MO-CAM	matrix spike, rec	6/8/2018	Metal	Cadmium	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2017/18-5	MO-CAM	matrix spike dup	6/8/2018	Metal	Cadmium	Total	=	49.1	µg/L	EPA 200.8	0.041	0.1			
2017/18-5	MO-CAM	matrix spike dup, rec	6/8/2018	Metal	Cadmium	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2017/18-5	MO-CAM	matrix spike, RPD	6/8/2018	Metal	Cadmium	Total	=	0.6	%	EPA 200.8	-88	-88	0	30	
2017/18-5	MO-OJA	matrix spike	6/27/2018	Metal	Cadmium	Total	=	46.4	µg/L	EPA 200.8	0.041	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	MO-OJA	matrix spike, rec	6/27/2018	Metal	Cadmium	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2017/18-5	MO-OJA	matrix spike dup	6/27/2018	Metal	Cadmium	Total	=	46.7	µg/L	EPA 200.8	0.041	0.1			
2017/18-5	MO-OJA	matrix spike dup, rec	6/27/2018	Metal	Cadmium	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2017/18-5	MO-OJA	matrix spike, RPD	6/27/2018	Metal	Cadmium	Total	=	0.6	%	EPA 200.8	-88	-88	0	30	
2017/18-5	Lab	method blank	6/13/2018	Metal	Chromium	Dissolved	<	0.035	µg/L	EPA 200.8	0.035	0.2			
2017/18-5	Lab	LCS	6/13/2018	Metal	Chromium	Dissolved	=	49.2	µg/L	EPA 200.8	0.035	0.2			
2017/18-5	Lab	LCS, rec	6/13/2018	Metal	Chromium	Dissolved	=	98	%	EPA 200.8	-88	-88	85	115	
2017/18-5	Lab	method blank	6/18/2018	Metal	Chromium	Dissolved	<	0.035	µg/L	EPA 200.8	0.035	0.2			
2017/18-5	Lab	LCS	6/18/2018	Metal	Chromium	Dissolved	=	47.5	µg/L	EPA 200.8	0.035	0.2			
2017/18-5	Lab	LCS, rec	6/18/2018	Metal	Chromium	Dissolved	=	95	%	EPA 200.8	-88	-88	85	115	
2017/18-5	Lab	method blank	6/27/2018	Metal	Chromium	Dissolved	<	0.035	µg/L	EPA 200.8	0.035	0.2			
2017/18-5	Lab	LCS	6/27/2018	Metal	Chromium	Dissolved	=	48.5	µg/L	EPA 200.8	0.035	0.2			
2017/18-5	Lab	LCS, rec	6/27/2018	Metal	Chromium	Dissolved	=	97	%	EPA 200.8	-88	-88	85	115	
2017/18-5	Lab	method blank	6/13/2018	Metal	Chromium	Total	DNQ	0.05	µg/L	EPA 200.8	0.035	0.2			IP
2017/18-5	Lab	LCS	6/13/2018	Metal	Chromium	Total	=	49.2	µg/L	EPA 200.8	0.035	0.2			
2017/18-5	Lab	LCS, rec	6/13/2018	Metal	Chromium	Total	=	98	%	EPA 200.8	-88	-88	85	115	
2017/18-5	Lab	method blank	6/18/2018	Metal	Chromium	Total	<	0.035	µg/L	EPA 200.8	0.035	0.2			
2017/18-5	Lab	LCS	6/18/2018	Metal	Chromium	Total	=	47.5	µg/L	EPA 200.8	0.035	0.2			
2017/18-5	Lab	LCS, rec	6/18/2018	Metal	Chromium	Total	=	95	%	EPA 200.8	-88	-88	85	115	
2017/18-5	Lab	method blank	6/27/2018	Metal	Chromium	Total	<	0.035	µg/L	EPA 200.8	0.035	0.2			
2017/18-5	Lab	LCS	6/27/2018	Metal	Chromium	Total	=	48.5	µg/L	EPA 200.8	0.035	0.2			
2017/18-5	Lab	LCS, rec	6/27/2018	Metal	Chromium	Total	=	97	%	EPA 200.8	-88	-88	85	115	
2017/18-5	ME-SCR	matrix spike	6/18/2018	Metal	Chromium	Total	=	50	µg/L	EPA 200.8	0.035	0.2			
2017/18-5	ME-SCR	matrix spike, rec	6/18/2018	Metal	Chromium	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2017/18-5	ME-SCR	matrix spike dup	6/18/2018	Metal	Chromium	Total	=	50.5	µg/L	EPA 200.8	0.035	0.2			
2017/18-5	ME-SCR	matrix spike dup, rec	6/18/2018	Metal	Chromium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2017/18-5	ME-SCR	matrix spike, RPD	6/18/2018	Metal	Chromium	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2017/18-5	ME-VR2	matrix spike	6/27/2018	Metal	Chromium	Total	=	48.6	µg/L	EPA 200.8	0.035	0.2			
2017/18-5	ME-VR2	matrix spike, rec	6/27/2018	Metal	Chromium	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2017/18-5	ME-VR2	matrix spike dup	6/27/2018	Metal	Chromium	Total	=	48.1	µg/L	EPA 200.8	0.035	0.2			
2017/18-5	ME-VR2	matrix spike dup, rec	6/27/2018	Metal	Chromium	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2017/18-5	ME-VR2	matrix spike, RPD	6/27/2018	Metal	Chromium	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2017/18-5	MO-HUE	matrix spike	6/13/2018	Metal	Chromium	Total	=	50.2	µg/L	EPA 200.8	0.035	0.2			
2017/18-5	MO-HUE	matrix spike, rec	6/13/2018	Metal	Chromium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2017/18-5	MO-HUE	matrix spike dup	6/13/2018	Metal	Chromium	Total	=	52.5	µg/L	EPA 200.8	0.035	0.2			
2017/18-5	MO-HUE	matrix spike dup, rec	6/13/2018	Metal	Chromium	Total	=	105	%	EPA 200.8	-88	-88	70	130	
2017/18-5	MO-HUE	matrix spike, RPD	6/13/2018	Metal	Chromium	Total	=	5	%	EPA 200.8	-88	-88	0	30	
2017/18-5	MO-OJA	matrix spike	6/27/2018	Metal	Chromium	Total	=	49.4	µg/L	EPA 200.8	0.035	0.2			
2017/18-5	MO-OJA	matrix spike, rec	6/27/2018	Metal	Chromium	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2017/18-5	MO-OJA	matrix spike dup	6/27/2018	Metal	Chromium	Total	=	50.3	µg/L	EPA 200.8	0.035	0.2			
2017/18-5	MO-OJA	matrix spike dup, rec	6/27/2018	Metal	Chromium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2017/18-5	MO-OJA	matrix spike, RPD	6/27/2018	Metal	Chromium	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2017/18-5	MO-THO	matrix spike	6/13/2018	Metal	Chromium	Total	=	66	µg/L	EPA 200.8	0.035	0.2			
2017/18-5	MO-THO	matrix spike, rec	6/13/2018	Metal	Chromium	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2017/18-5	MO-THO	matrix spike dup	6/13/2018	Metal	Chromium	Total	=	67.1	µg/L	EPA 200.8	0.035	0.2			
2017/18-5	MO-THO	matrix spike dup, rec	6/13/2018	Metal	Chromium	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2017/18-5	MO-THO	matrix spike, RPD	6/13/2018	Metal	Chromium	Total	=	2	%	EPA 200.8	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	000NONPJ	matrix spike	6/7/2018	Metal	Chromium VI	n/a	=	87	µg/L	EPA 218.6	0.0048	0.02			GB
2017/18-5	000NONPJ	matrix spike, rec	6/7/2018	Metal	Chromium VI	n/a	=	1740	%	EPA 218.6	-88	-88	88	112	GB
2017/18-5	000NONPJ	matrix spike dup	6/7/2018	Metal	Chromium VI	n/a	=	87.2	µg/L	EPA 218.6	0.0048	0.02			GB
2017/18-5	000NONPJ	matrix spike dup, rec	6/7/2018	Metal	Chromium VI	n/a	=	174	%	EPA 218.6	-88	-88	88	112	GB
2017/18-5	000NONPJ	matrix spike, RPD	6/7/2018	Metal	Chromium VI	n/a	=	0.2	%	EPA 218.6	-88	-88	0	10	
2017/18-5	000NONPJ	matrix spike	6/8/2018	Metal	Chromium VI	n/a	=	87.6	µg/L	EPA 218.6	0.0048	0.02			
2017/18-5	000NONPJ	matrix spike, rec	6/8/2018	Metal	Chromium VI	n/a	=	91	%	EPA 218.6	-88	-88	88	112	
2017/18-5	000NONPJ	matrix spike dup	6/8/2018	Metal	Chromium VI	n/a	=	87.6	µg/L	EPA 218.6	0.0048	0.02			
2017/18-5	000NONPJ	matrix spike dup, rec	6/8/2018	Metal	Chromium VI	n/a	=	93	%	EPA 218.6	-88	-88	88	112	
2017/18-5	000NONPJ	matrix spike, RPD	6/8/2018	Metal	Chromium VI	n/a	=	0.09	%	EPA 218.6	-88	-88	0	10	
2017/18-5	000NONPJ	matrix spike	6/8/2018	Metal	Chromium VI	n/a	=	51.4	µg/L	EPA 218.6	0.0048	0.02			
2017/18-5	000NONPJ	matrix spike, rec	6/8/2018	Metal	Chromium VI	n/a	=	93	%	EPA 218.6	-88	-88	88	112	
2017/18-5	000NONPJ	matrix spike dup	6/8/2018	Metal	Chromium VI	n/a	=	51.5	µg/L	EPA 218.6	0.0048	0.02			
2017/18-5	000NONPJ	matrix spike dup, rec	6/8/2018	Metal	Chromium VI	n/a	=	94	%	EPA 218.6	-88	-88	88	112	
2017/18-5	000NONPJ	matrix spike, RPD	6/8/2018	Metal	Chromium VI	n/a	=	0.1	%	EPA 218.6	-88	-88	0	10	
2017/18-5	000NONPJ	matrix spike	6/14/2018	Metal	Chromium VI	n/a	=	6.52	µg/L	EPA 218.6	0.0048	0.02			
2017/18-5	000NONPJ	matrix spike, rec	6/14/2018	Metal	Chromium VI	n/a	=	100	%	EPA 218.6	-88	-88	88	112	
2017/18-5	000NONPJ	matrix spike dup	6/14/2018	Metal	Chromium VI	n/a	=	6.54	µg/L	EPA 218.6	0.0048	0.02			
2017/18-5	000NONPJ	matrix spike dup, rec	6/14/2018	Metal	Chromium VI	n/a	=	100	%	EPA 218.6	-88	-88	88	112	
2017/18-5	000NONPJ	matrix spike, RPD	6/14/2018	Metal	Chromium VI	n/a	=	0.3	%	EPA 218.6	-88	-88	0	10	
2017/18-5	000NONPJ	matrix spike	6/14/2018	Metal	Chromium VI	n/a	=	17.4	µg/L	EPA 218.6	0.0048	0.02			
2017/18-5	000NONPJ	matrix spike, rec	6/14/2018	Metal	Chromium VI	n/a	=	102	%	EPA 218.6	-88	-88	88	112	
2017/18-5	000NONPJ	matrix spike dup	6/14/2018	Metal	Chromium VI	n/a	=	17.6	µg/L	EPA 218.6	0.0048	0.02			
2017/18-5	000NONPJ	matrix spike dup, rec	6/14/2018	Metal	Chromium VI	n/a	=	105	%	EPA 218.6	-88	-88	88	112	
2017/18-5	000NONPJ	matrix spike, RPD	6/14/2018	Metal	Chromium VI	n/a	=	1	%	EPA 218.6	-88	-88	0	10	
2017/18-5	000NONPJ	matrix spike	8/2/2018	Metal	Chromium VI	n/a	=	7.24	µg/L	EPA 218.6	0.0048	0.02			
2017/18-5	000NONPJ	matrix spike, rec	8/2/2018	Metal	Chromium VI	n/a	=	103	%	EPA 218.6	-88	-88	88	112	
2017/18-5	000NONPJ	matrix spike dup	8/2/2018	Metal	Chromium VI	n/a	=	7.08	µg/L	EPA 218.6	0.0048	0.02			
2017/18-5	000NONPJ	matrix spike dup, rec	8/2/2018	Metal	Chromium VI	n/a	=	100	%	EPA 218.6	-88	-88	88	112	
2017/18-5	000NONPJ	matrix spike, RPD	8/2/2018	Metal	Chromium VI	n/a	=	2	%	EPA 218.6	-88	-88	0	10	
2017/18-5	000NONPJ	matrix spike	8/2/2018	Metal	Chromium VI	n/a	=	10.1	µg/L	EPA 218.6	0.0048	0.02			
2017/18-5	000NONPJ	matrix spike, rec	8/2/2018	Metal	Chromium VI	n/a	=	97	%	EPA 218.6	-88	-88	88	112	
2017/18-5	000NONPJ	matrix spike dup	8/2/2018	Metal	Chromium VI	n/a	=	10.2	µg/L	EPA 218.6	0.0048	0.02			
2017/18-5	000NONPJ	matrix spike dup, rec	8/2/2018	Metal	Chromium VI	n/a	=	99	%	EPA 218.6	-88	-88	88	112	
2017/18-5	000NONPJ	matrix spike, RPD	8/2/2018	Metal	Chromium VI	n/a	=	1	%	EPA 218.6	-88	-88	0	10	
2017/18-5	Lab	method blank	6/7/2018	Metal	Chromium VI	n/a	<	0.0048	µg/L	EPA 218.6	0.0048	0.02			
2017/18-5	Lab	LCS	6/7/2018	Metal	Chromium VI	n/a	=	4.99	µg/L	EPA 218.6	0.0048	0.02			
2017/18-5	Lab	LCS, rec	6/7/2018	Metal	Chromium VI	n/a	=	100	%	EPA 218.6	-88	-88	90	110	
2017/18-5	Lab	method blank	6/8/2018	Metal	Chromium VI	n/a	<	0.0048	µg/L	EPA 218.6	0.0048	0.02			
2017/18-5	Lab	LCS	6/8/2018	Metal	Chromium VI	n/a	=	5.01	µg/L	EPA 218.6	0.0048	0.02			
2017/18-5	Lab	LCS, rec	6/8/2018	Metal	Chromium VI	n/a	=	100	%	EPA 218.6	-88	-88	90	110	
2017/18-5	Lab	method blank	6/14/2018	Metal	Chromium VI	n/a	<	0.0048	µg/L	EPA 218.6	0.0048	0.02			
2017/18-5	Lab	LCS	6/14/2018	Metal	Chromium VI	n/a	=	4.97	µg/L	EPA 218.6	0.0048	0.02			
2017/18-5	Lab	LCS, rec	6/14/2018	Metal	Chromium VI	n/a	=	99	%	EPA 218.6	-88	-88	90	110	
2017/18-5	Lab	method blank	8/2/2018	Metal	Chromium VI	n/a	<	0.0048	µg/L	EPA 218.6	0.0048	0.02			
2017/18-5	Lab	LCS	8/2/2018	Metal	Chromium VI	n/a	=	5.1	µg/L	EPA 218.6	0.0048	0.02			
2017/18-5	Lab	LCS, rec	8/2/2018	Metal	Chromium VI	n/a	=	102	%	EPA 218.6	-88	-88	90	110	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	method blank	6/13/2018	Metal	Copper	Dissolved	DNQ	0.2	µg/L	EPA 200.8	0.13	0.5			IP
2017/18-5	Lab	LCS	6/13/2018	Metal	Copper	Dissolved	=	50.3	µg/L	EPA 200.8	0.13	0.5			
2017/18-5	Lab	LCS, rec	6/13/2018	Metal	Copper	Dissolved	=	101	%	EPA 200.8	-88	-88	85	115	
2017/18-5	Lab	method blank	6/16/2018	Metal	Copper	Dissolved	DNQ	0.218	µg/L	EPA 200.8	0.13	0.5			IP
2017/18-5	Lab	LCS	6/16/2018	Metal	Copper	Dissolved	=	52.5	µg/L	EPA 200.8	0.13	0.5			
2017/18-5	Lab	LCS, rec	6/16/2018	Metal	Copper	Dissolved	=	105	%	EPA 200.8	-88	-88	85	115	
2017/18-5	Lab	method blank	6/27/2018	Metal	Copper	Dissolved	<	0.13	µg/L	EPA 200.8	0.13	0.5			
2017/18-5	Lab	LCS	6/27/2018	Metal	Copper	Dissolved	=	50.7	µg/L	EPA 200.8	0.13	0.5			
2017/18-5	Lab	LCS, rec	6/27/2018	Metal	Copper	Dissolved	=	101	%	EPA 200.8	-88	-88	85	115	
2017/18-5	Lab	method blank	6/13/2018	Metal	Copper	Total	<	0.13	µg/L	EPA 200.8	0.13	0.5			
2017/18-5	Lab	LCS	6/13/2018	Metal	Copper	Total	=	50.3	µg/L	EPA 200.8	0.13	0.5			
2017/18-5	Lab	LCS, rec	6/13/2018	Metal	Copper	Total	=	101	%	EPA 200.8	-88	-88	85	115	
2017/18-5	Lab	method blank	6/16/2018	Metal	Copper	Total	<	0.13	µg/L	EPA 200.8	0.13	0.5			
2017/18-5	Lab	LCS	6/16/2018	Metal	Copper	Total	=	52.5	µg/L	EPA 200.8	0.13	0.5			
2017/18-5	Lab	LCS, rec	6/16/2018	Metal	Copper	Total	=	105	%	EPA 200.8	-88	-88	85	115	
2017/18-5	Lab	method blank	6/27/2018	Metal	Copper	Total	<	0.13	µg/L	EPA 200.8	0.13	0.5			
2017/18-5	Lab	LCS	6/27/2018	Metal	Copper	Total	=	50.7	µg/L	EPA 200.8	0.13	0.5			
2017/18-5	Lab	LCS, rec	6/27/2018	Metal	Copper	Total	=	101	%	EPA 200.8	-88	-88	85	115	
2017/18-5	ME-SCR	matrix spike	6/16/2018	Metal	Copper	Total	=	51.8	µg/L	EPA 200.8	0.13	0.5			
2017/18-5	ME-SCR	matrix spike, rec	6/16/2018	Metal	Copper	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2017/18-5	ME-SCR	matrix spike dup	6/16/2018	Metal	Copper	Total	=	53.1	µg/L	EPA 200.8	0.13	0.5			
2017/18-5	ME-SCR	matrix spike dup, rec	6/16/2018	Metal	Copper	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2017/18-5	ME-SCR	matrix spike, RPD	6/16/2018	Metal	Copper	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2017/18-5	ME-VR2	matrix spike	6/27/2018	Metal	Copper	Total	=	45.8	µg/L	EPA 200.8	0.13	0.5			
2017/18-5	ME-VR2	matrix spike, rec	6/27/2018	Metal	Copper	Total	=	90	%	EPA 200.8	-88	-88	70	130	
2017/18-5	ME-VR2	matrix spike dup	6/27/2018	Metal	Copper	Total	=	45.6	µg/L	EPA 200.8	0.13	0.5			
2017/18-5	ME-VR2	matrix spike dup, rec	6/27/2018	Metal	Copper	Total	=	90	%	EPA 200.8	-88	-88	70	130	
2017/18-5	ME-VR2	matrix spike, RPD	6/27/2018	Metal	Copper	Total	=	0.4	%	EPA 200.8	-88	-88	0	30	
2017/18-5	MO-CAM	matrix spike	6/8/2018	Metal	Copper	Total	=	69.3	µg/L	EPA 200.8	0.13	0.5			
2017/18-5	MO-CAM	matrix spike, rec	6/8/2018	Metal	Copper	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2017/18-5	MO-HUE	matrix spike	6/13/2018	Metal	Copper	Total	=	43.1	µg/L	EPA 200.8	0.13	0.5			
2017/18-5	MO-HUE	matrix spike, rec	6/13/2018	Metal	Copper	Total	=	79	%	EPA 200.8	-88	-88	70	130	
2017/18-5	MO-HUE	matrix spike dup	6/13/2018	Metal	Copper	Total	=	44.5	µg/L	EPA 200.8	0.13	0.5			
2017/18-5	MO-HUE	matrix spike dup, rec	6/13/2018	Metal	Copper	Total	=	82	%	EPA 200.8	-88	-88	70	130	
2017/18-5	MO-HUE	matrix spike, RPD	6/13/2018	Metal	Copper	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2017/18-5	MO-OJA	matrix spike	6/27/2018	Metal	Copper	Total	=	53.7	µg/L	EPA 200.8	0.13	0.5			
2017/18-5	MO-OJA	matrix spike, rec	6/27/2018	Metal	Copper	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2017/18-5	MO-OJA	matrix spike dup	6/27/2018	Metal	Copper	Total	=	54.7	µg/L	EPA 200.8	0.13	0.5			
2017/18-5	MO-OJA	matrix spike dup, rec	6/27/2018	Metal	Copper	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2017/18-5	MO-OJA	matrix spike, RPD	6/27/2018	Metal	Copper	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2017/18-5	MO-THO	matrix spike	6/13/2018	Metal	Copper	Total	=	49.1	µg/L	EPA 200.8	0.13	0.5			
2017/18-5	MO-THO	matrix spike, rec	6/13/2018	Metal	Copper	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2017/18-5	MO-THO	matrix spike dup	6/13/2018	Metal	Copper	Total	=	49.4	µg/L	EPA 200.8	0.13	0.5			
2017/18-5	MO-THO	matrix spike dup, rec	6/13/2018	Metal	Copper	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2017/18-5	MO-THO	matrix spike, RPD	6/13/2018	Metal	Copper	Total	=	0.6	%	EPA 200.8	-88	-88	0	30	
2017/18-5	Lab	method blank	6/7/2018	Metal	Iron	Dissolved	<	1.1	µg/L	EPA 200.7	1.1	10			
2017/18-5	Lab	LCS	6/7/2018	Metal	Iron	Dissolved	=	198	µg/L	EPA 200.7	1.1	10			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	LCS, rec	6/7/2018	Metal	Iron	Dissolved	=	99	%	EPA 200.7	-88	-88	85	115	
2017/18-5	Lab	method blank	6/15/2018	Metal	Iron	Dissolved	<	1.1	µg/L	EPA 200.7	1.1	10			
2017/18-5	Lab	LCS	6/15/2018	Metal	Iron	Dissolved	=	193	µg/L	EPA 200.7	1.1	10			
2017/18-5	Lab	LCS, rec	6/15/2018	Metal	Iron	Dissolved	=	96	%	EPA 200.7	-88	-88	85	115	
2017/18-5	Lab	method blank	6/27/2018	Metal	Iron	Dissolved	DNQ	4	µg/L	EPA 200.7	1.1	10			IP
2017/18-5	Lab	LCS	6/27/2018	Metal	Iron	Dissolved	=	213	µg/L	EPA 200.7	1.1	10			
2017/18-5	Lab	LCS, rec	6/27/2018	Metal	Iron	Dissolved	=	106	%	EPA 200.7	-88	-88	85	115	
2017/18-5	000NONPJ	matrix spike	6/27/2018	Metal	Iron	Total	=	480	µg/L	EPA 200.7	1.1	10			
2017/18-5	000NONPJ	matrix spike, rec	6/27/2018	Metal	Iron	Total	=	102	%	EPA 200.7	-88	-88	70	130	
2017/18-5	000NONPJ	matrix spike dup	6/27/2018	Metal	Iron	Total	=	483	µg/L	EPA 200.7	1.1	10			
2017/18-5	000NONPJ	matrix spike dup, rec	6/27/2018	Metal	Iron	Total	=	104	%	EPA 200.7	-88	-88	70	130	
2017/18-5	000NONPJ	matrix spike, RPD	6/27/2018	Metal	Iron	Total	=	0.6	%	EPA 200.7	-88	-88	0	30	
2017/18-5	000NONPJ	matrix spike	6/27/2018	Metal	Iron	Total	=	339	µg/L	EPA 200.7	1.1	10			
2017/18-5	000NONPJ	matrix spike, rec	6/27/2018	Metal	Iron	Total	=	104	%	EPA 200.7	-88	-88	70	130	
2017/18-5	000NONPJ	matrix spike dup	6/27/2018	Metal	Iron	Total	=	341	µg/L	EPA 200.7	1.1	10			
2017/18-5	000NONPJ	matrix spike dup, rec	6/27/2018	Metal	Iron	Total	=	105	%	EPA 200.7	-88	-88	70	130	
2017/18-5	000NONPJ	matrix spike, RPD	6/27/2018	Metal	Iron	Total	=	0.6	%	EPA 200.7	-88	-88	0	30	
2017/18-5	Lab	method blank	6/7/2018	Metal	Iron	Total	<	1.1	µg/L	EPA 200.7	1.1	10			
2017/18-5	Lab	LCS	6/7/2018	Metal	Iron	Total	=	198	µg/L	EPA 200.7	1.1	10			
2017/18-5	Lab	LCS, rec	6/7/2018	Metal	Iron	Total	=	99	%	EPA 200.7	-88	-88	85	115	
2017/18-5	Lab	method blank	6/15/2018	Metal	Iron	Total	<	1.1	µg/L	EPA 200.7	1.1	10			
2017/18-5	Lab	LCS	6/15/2018	Metal	Iron	Total	=	193	µg/L	EPA 200.7	1.1	10			
2017/18-5	Lab	LCS, rec	6/15/2018	Metal	Iron	Total	=	96	%	EPA 200.7	-88	-88	85	115	
2017/18-5	Lab	method blank	6/27/2018	Metal	Iron	Total	DNQ	5	µg/L	EPA 200.7	1.1	10			IP
2017/18-5	Lab	LCS	6/27/2018	Metal	Iron	Total	=	213	µg/L	EPA 200.7	1.1	10			
2017/18-5	Lab	LCS, rec	6/27/2018	Metal	Iron	Total	=	106	%	EPA 200.7	-88	-88	85	115	
2017/18-5	MO-FIL	matrix spike	6/15/2018	Metal	Iron	Total	=	239	µg/L	EPA 200.7	1.1	10			
2017/18-5	MO-FIL	matrix spike, rec	6/15/2018	Metal	Iron	Total	=	104	%	EPA 200.7	-88	-88	70	130	
2017/18-5	MO-FIL	matrix spike dup	6/15/2018	Metal	Iron	Total	=	236	µg/L	EPA 200.7	1.1	10			
2017/18-5	MO-FIL	matrix spike dup, rec	6/15/2018	Metal	Iron	Total	=	102	%	EPA 200.7	-88	-88	70	130	
2017/18-5	MO-FIL	matrix spike, RPD	6/15/2018	Metal	Iron	Total	=	1	%	EPA 200.7	-88	-88	0	30	
2017/18-5	MO-MPK	matrix spike	6/7/2018	Metal	Iron	Total	=	233	µg/L	EPA 200.7	1.1	10			
2017/18-5	MO-MPK	matrix spike, rec	6/7/2018	Metal	Iron	Total	=	99	%	EPA 200.7	-88	-88	70	130	
2017/18-5	MO-MPK	matrix spike dup	6/7/2018	Metal	Iron	Total	=	232	µg/L	EPA 200.7	1.1	10			
2017/18-5	MO-MPK	matrix spike dup, rec	6/7/2018	Metal	Iron	Total	=	98	%	EPA 200.7	-88	-88	70	130	
2017/18-5	MO-MPK	matrix spike, RPD	6/7/2018	Metal	Iron	Total	=	0.4	%	EPA 200.7	-88	-88	0	30	
2017/18-5	MO-SIM	matrix spike	6/7/2018	Metal	Iron	Total	=	223	µg/L	EPA 200.7	1.1	10			
2017/18-5	MO-SIM	matrix spike, rec	6/7/2018	Metal	Iron	Total	=	101	%	EPA 200.7	-88	-88	70	130	
2017/18-5	MO-SIM	matrix spike dup	6/7/2018	Metal	Iron	Total	=	223	µg/L	EPA 200.7	1.1	10			
2017/18-5	MO-SIM	matrix spike dup, rec	6/7/2018	Metal	Iron	Total	=	101	%	EPA 200.7	-88	-88	70	130	
2017/18-5	MO-SIM	matrix spike, RPD	6/7/2018	Metal	Iron	Total	=	0	%	EPA 200.7	-88	-88	0	30	
2017/18-5	Lab	method blank	6/8/2018	Metal	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2			
2017/18-5	Lab	LCS	6/8/2018	Metal	Lead	Dissolved	=	51.3	µg/L	EPA 200.8	0.031	0.2			
2017/18-5	Lab	LCS, rec	6/8/2018	Metal	Lead	Dissolved	=	103	%	EPA 200.8	-88	-88	85	115	
2017/18-5	Lab	method blank	6/16/2018	Metal	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2			
2017/18-5	Lab	LCS	6/16/2018	Metal	Lead	Dissolved	=	51.9	µg/L	EPA 200.8	0.031	0.2			
2017/18-5	Lab	LCS, rec	6/16/2018	Metal	Lead	Dissolved	=	104	%	EPA 200.8	-88	-88	85	115	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	method blank	6/27/2018	Metal	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2			
2017/18-5	Lab	LCS	6/27/2018	Metal	Lead	Dissolved	=	47.9	µg/L	EPA 200.8	0.031	0.2			
2017/18-5	Lab	LCS, rec	6/27/2018	Metal	Lead	Dissolved	=	96	%	EPA 200.8	-88	-88	85	115	
2017/18-5	Lab	method blank	6/8/2018	Metal	Lead	Total	<	0.031	µg/L	EPA 200.8	0.031	0.2			
2017/18-5	Lab	LCS	6/8/2018	Metal	Lead	Total	=	51.3	µg/L	EPA 200.8	0.031	0.2			
2017/18-5	Lab	LCS, rec	6/8/2018	Metal	Lead	Total	=	103	%	EPA 200.8	-88	-88	85	115	
2017/18-5	Lab	method blank	6/16/2018	Metal	Lead	Total	<	0.031	µg/L	EPA 200.8	0.031	0.2			
2017/18-5	Lab	LCS	6/16/2018	Metal	Lead	Total	=	51.9	µg/L	EPA 200.8	0.031	0.2			
2017/18-5	Lab	LCS, rec	6/16/2018	Metal	Lead	Total	=	104	%	EPA 200.8	-88	-88	85	115	
2017/18-5	Lab	method blank	6/27/2018	Metal	Lead	Total	<	0.031	µg/L	EPA 200.8	0.031	0.2			
2017/18-5	Lab	LCS	6/27/2018	Metal	Lead	Total	=	47.9	µg/L	EPA 200.8	0.031	0.2			
2017/18-5	Lab	LCS, rec	6/27/2018	Metal	Lead	Total	=	96	%	EPA 200.8	-88	-88	85	115	
2017/18-5	ME-CC	matrix spike	6/8/2018	Metal	Lead	Total	=	49.3	µg/L	EPA 200.8	0.031	0.2			
2017/18-5	ME-CC	matrix spike, rec	6/8/2018	Metal	Lead	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2017/18-5	ME-CC	matrix spike dup	6/8/2018	Metal	Lead	Total	=	48.2	µg/L	EPA 200.8	0.031	0.2			
2017/18-5	ME-CC	matrix spike dup, rec	6/8/2018	Metal	Lead	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2017/18-5	ME-CC	matrix spike, RPD	6/8/2018	Metal	Lead	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2017/18-5	ME-SCR	matrix spike	6/16/2018	Metal	Lead	Total	=	46.6	µg/L	EPA 200.8	0.031	0.2			
2017/18-5	ME-SCR	matrix spike, rec	6/16/2018	Metal	Lead	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2017/18-5	ME-SCR	matrix spike dup	6/16/2018	Metal	Lead	Total	=	47.2	µg/L	EPA 200.8	0.031	0.2			
2017/18-5	ME-SCR	matrix spike dup, rec	6/16/2018	Metal	Lead	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2017/18-5	ME-SCR	matrix spike, RPD	6/16/2018	Metal	Lead	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2017/18-5	ME-VR2	matrix spike	6/27/2018	Metal	Lead	Total	=	47.8	µg/L	EPA 200.8	0.031	0.2			
2017/18-5	ME-VR2	matrix spike, rec	6/27/2018	Metal	Lead	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2017/18-5	ME-VR2	matrix spike dup	6/27/2018	Metal	Lead	Total	=	47.3	µg/L	EPA 200.8	0.031	0.2			
2017/18-5	ME-VR2	matrix spike dup, rec	6/27/2018	Metal	Lead	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2017/18-5	ME-VR2	matrix spike, RPD	6/27/2018	Metal	Lead	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2017/18-5	MO-CAM	matrix spike	6/8/2018	Metal	Lead	Total	=	49.7	µg/L	EPA 200.8	0.031	0.2			
2017/18-5	MO-CAM	matrix spike, rec	6/8/2018	Metal	Lead	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2017/18-5	MO-CAM	matrix spike dup	6/8/2018	Metal	Lead	Total	=	49.5	µg/L	EPA 200.8	0.031	0.2			
2017/18-5	MO-CAM	matrix spike dup, rec	6/8/2018	Metal	Lead	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2017/18-5	MO-CAM	matrix spike, RPD	6/8/2018	Metal	Lead	Total	=	0.4	%	EPA 200.8	-88	-88	0	30	
2017/18-5	MO-OJA	matrix spike	6/27/2018	Metal	Lead	Total	=	47.4	µg/L	EPA 200.8	0.031	0.2			
2017/18-5	MO-OJA	matrix spike, rec	6/27/2018	Metal	Lead	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2017/18-5	MO-OJA	matrix spike dup	6/27/2018	Metal	Lead	Total	=	47.4	µg/L	EPA 200.8	0.031	0.2			
2017/18-5	MO-OJA	matrix spike dup, rec	6/27/2018	Metal	Lead	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2017/18-5	MO-OJA	matrix spike, RPD	6/27/2018	Metal	Lead	Total	=	0.1	%	EPA 200.8	-88	-88	0	30	
2017/18-5	Lab	method blank	6/12/2018	Metal	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50			
2017/18-5	Lab	LCS	6/12/2018	Metal	Mercury	Dissolved	=	1010	ng/L	EPA 245.1	17	50			
2017/18-5	Lab	LCS, rec	6/12/2018	Metal	Mercury	Dissolved	=	101	%	EPA 245.1	-88	-88	85	115	
2017/18-5	Lab	method blank	6/14/2018	Metal	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50			
2017/18-5	Lab	method blank	7/2/2018	Metal	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50			
2017/18-5	Lab	method blank	7/2/2018	Metal	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50			
2017/18-5	Lab	LCS	7/2/2018	Metal	Mercury	Dissolved	=	1010	ng/L	EPA 245.1	17	50			
2017/18-5	Lab	LCS, rec	7/2/2018	Metal	Mercury	Dissolved	=	101	%	EPA 245.1	-88	-88	85	115	
2017/18-5	000NONPJ	matrix spike	6/12/2018	Metal	Mercury	Total	=	857	ng/L	EPA 245.1	17	50			
2017/18-5	000NONPJ	matrix spike, rec	6/12/2018	Metal	Mercury	Total	=	86	%	EPA 245.1	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	000NONPJ	matrix spike dup	6/12/2018	Metal	Mercury	Total	=	858	ng/L	EPA 245.1	17	50			
2017/18-5	000NONPJ	matrix spike dup, rec	6/12/2018	Metal	Mercury	Total	=	86	%	EPA 245.1	-88	-88	70	130	
2017/18-5	000NONPJ	matrix spike, RPD	6/12/2018	Metal	Mercury	Total	=	0.09	%	EPA 245.1	-88	-88	0	20	
2017/18-5	000NONPJ	matrix spike	6/12/2018	Metal	Mercury	Total	=	858	ng/L	EPA 245.1	17	50			
2017/18-5	000NONPJ	matrix spike, rec	6/12/2018	Metal	Mercury	Total	=	86	%	EPA 245.1	-88	-88	70	130	
2017/18-5	000NONPJ	matrix spike dup	6/12/2018	Metal	Mercury	Total	=	858	ng/L	EPA 245.1	17	50			
2017/18-5	000NONPJ	matrix spike dup, rec	6/12/2018	Metal	Mercury	Total	=	86	%	EPA 245.1	-88	-88	70	130	
2017/18-5	000NONPJ	matrix spike, RPD	6/12/2018	Metal	Mercury	Total	=	0.05	%	EPA 245.1	-88	-88	0	20	
2017/18-5	000NONPJ	matrix spike	6/14/2018	Metal	Mercury	Total	=	1060	ng/L	EPA 245.1	17	50			
2017/18-5	000NONPJ	matrix spike, rec	6/14/2018	Metal	Mercury	Total	=	106	%	EPA 245.1	-88	-88	70	130	
2017/18-5	000NONPJ	matrix spike dup	6/14/2018	Metal	Mercury	Total	=	1060	ng/L	EPA 245.1	17	50			
2017/18-5	000NONPJ	matrix spike dup, rec	6/14/2018	Metal	Mercury	Total	=	106	%	EPA 245.1	-88	-88	70	130	
2017/18-5	000NONPJ	matrix spike, RPD	6/14/2018	Metal	Mercury	Total	=	0.3	%	EPA 245.1	-88	-88	0	20	
2017/18-5	000NONPJ	matrix spike	6/14/2018	Metal	Mercury	Total	=	1070	ng/L	EPA 245.1	17	50			
2017/18-5	000NONPJ	matrix spike, rec	6/14/2018	Metal	Mercury	Total	=	107	%	EPA 245.1	-88	-88	70	130	
2017/18-5	000NONPJ	matrix spike dup	6/14/2018	Metal	Mercury	Total	=	1080	ng/L	EPA 245.1	17	50			
2017/18-5	000NONPJ	matrix spike dup, rec	6/14/2018	Metal	Mercury	Total	=	108	%	EPA 245.1	-88	-88	70	130	
2017/18-5	000NONPJ	matrix spike, RPD	6/14/2018	Metal	Mercury	Total	=	0.8	%	EPA 245.1	-88	-88	0	20	
2017/18-5	000NONPJ	matrix spike	7/2/2018	Metal	Mercury	Total	=	1000	ng/L	EPA 245.1	17	50			
2017/18-5	000NONPJ	matrix spike, rec	7/2/2018	Metal	Mercury	Total	=	100	%	EPA 245.1	-88	-88	70	130	
2017/18-5	000NONPJ	matrix spike dup	7/2/2018	Metal	Mercury	Total	=	1000	ng/L	EPA 245.1	17	50			
2017/18-5	000NONPJ	matrix spike dup, rec	7/2/2018	Metal	Mercury	Total	=	100	%	EPA 245.1	-88	-88	70	130	
2017/18-5	000NONPJ	matrix spike, RPD	7/2/2018	Metal	Mercury	Total	=	0.1	%	EPA 245.1	-88	-88	0	20	
2017/18-5	000NONPJ	matrix spike	7/2/2018	Metal	Mercury	Total	=	1020	ng/L	EPA 245.1	17	50			
2017/18-5	000NONPJ	matrix spike, rec	7/2/2018	Metal	Mercury	Total	=	102	%	EPA 245.1	-88	-88	70	130	
2017/18-5	000NONPJ	matrix spike dup	7/2/2018	Metal	Mercury	Total	=	1010	ng/L	EPA 245.1	17	50			
2017/18-5	000NONPJ	matrix spike dup, rec	7/2/2018	Metal	Mercury	Total	=	101	%	EPA 245.1	-88	-88	70	130	
2017/18-5	000NONPJ	matrix spike, RPD	7/2/2018	Metal	Mercury	Total	=	0.4	%	EPA 245.1	-88	-88	0	20	
2017/18-5	Lab	method blank	6/12/2018	Metal	Mercury	Total	<	17	ng/L	EPA 245.1	17	50			
2017/18-5	Lab	LCS	6/12/2018	Metal	Mercury	Total	=	1010	ng/L	EPA 245.1	17	50			
2017/18-5	Lab	LCS, rec	6/12/2018	Metal	Mercury	Total	=	101	%	EPA 245.1	-88	-88	85	115	
2017/18-5	Lab	method blank	6/14/2018	Metal	Mercury	Total	<	17	ng/L	EPA 245.1	17	50			
2017/18-5	Lab	LCS	6/14/2018	Metal	Mercury	Total	=	1060	ng/L	EPA 245.1	17	50			
2017/18-5	Lab	LCS, rec	6/14/2018	Metal	Mercury	Total	=	106	%	EPA 245.1	-88	-88	85	115	
2017/18-5	Lab	method blank	7/2/2018	Metal	Mercury	Total	<	17	ng/L	EPA 245.1	17	50			
2017/18-5	Lab	LCS	7/2/2018	Metal	Mercury	Total	=	1010	ng/L	EPA 245.1	17	50			
2017/18-5	Lab	LCS, rec	7/2/2018	Metal	Mercury	Total	=	101	%	EPA 245.1	-88	-88	85	115	
2017/18-5	Lab	method blank	6/8/2018	Metal	Nickel	Dissolved	<	0.045	µg/L	EPA 200.8	0.045	0.8			
2017/18-5	Lab	LCS	6/8/2018	Metal	Nickel	Dissolved	=	51.3	µg/L	EPA 200.8	0.045	0.8			
2017/18-5	Lab	LCS, rec	6/8/2018	Metal	Nickel	Dissolved	=	103	%	EPA 200.8	-88	-88	85	115	
2017/18-5	Lab	method blank	6/16/2018	Metal	Nickel	Dissolved	<	0.045	µg/L	EPA 200.8	0.045	0.8			
2017/18-5	Lab	LCS	6/16/2018	Metal	Nickel	Dissolved	=	51.5	µg/L	EPA 200.8	0.045	0.8			
2017/18-5	Lab	LCS, rec	6/16/2018	Metal	Nickel	Dissolved	=	103	%	EPA 200.8	-88	-88	85	115	
2017/18-5	Lab	method blank	7/3/2018	Metal	Nickel	Dissolved	DNQ	0.06	µg/L	EPA 200.8	0.045	0.8			IP
2017/18-5	Lab	LCS	7/3/2018	Metal	Nickel	Dissolved	=	49.2	µg/L	EPA 200.8	0.045	0.8			
2017/18-5	Lab	LCS, rec	7/3/2018	Metal	Nickel	Dissolved	=	98	%	EPA 200.8	-88	-88	85	115	
2017/18-5	ME-VR2	matrix spike	7/3/2018	Metal	Nickel	Dissolved	=	47	µg/L	EPA 200.8	0.045	0.8			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	ME-VR2	matrix spike, rec	7/3/2018	Metal	Nickel	Dissolved	=	93	%	EPA 200.8	-88	-88	70	130	
2017/18-5	ME-VR2	matrix spike dup	7/3/2018	Metal	Nickel	Dissolved	=	46	µg/L	EPA 200.8	0.045	0.8			
2017/18-5	ME-VR2	matrix spike dup, rec	7/3/2018	Metal	Nickel	Dissolved	=	91	%	EPA 200.8	-88	-88	70	130	
2017/18-5	ME-VR2	matrix spike, RPD	7/3/2018	Metal	Nickel	Dissolved	=	2	%	EPA 200.8	-88	-88	0	30	
2017/18-5	Lab	method blank	6/8/2018	Metal	Nickel	Total	<	0.045	µg/L	EPA 200.8	0.045	0.8			
2017/18-5	Lab	LCS	6/8/2018	Metal	Nickel	Total	=	51.3	µg/L	EPA 200.8	0.045	0.8			
2017/18-5	Lab	LCS, rec	6/8/2018	Metal	Nickel	Total	=	103	%	EPA 200.8	-88	-88	85	115	
2017/18-5	Lab	method blank	6/16/2018	Metal	Nickel	Total	<	0.045	µg/L	EPA 200.8	0.045	0.8			
2017/18-5	Lab	LCS	6/16/2018	Metal	Nickel	Total	=	51.5	µg/L	EPA 200.8	0.045	0.8			
2017/18-5	Lab	LCS, rec	6/16/2018	Metal	Nickel	Total	=	103	%	EPA 200.8	-88	-88	85	115	
2017/18-5	Lab	method blank	6/27/2018	Metal	Nickel	Total	DNQ	0.06	µg/L	EPA 200.8	0.045	0.8			IP
2017/18-5	Lab	LCS	6/27/2018	Metal	Nickel	Total	=	49.3	µg/L	EPA 200.8	0.045	0.8			
2017/18-5	Lab	LCS, rec	6/27/2018	Metal	Nickel	Total	=	99	%	EPA 200.8	-88	-88	85	115	
2017/18-5	ME-CC	matrix spike	6/8/2018	Metal	Nickel	Total	=	57.2	µg/L	EPA 200.8	0.045	0.8			
2017/18-5	ME-CC	matrix spike, rec	6/8/2018	Metal	Nickel	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2017/18-5	ME-CC	matrix spike dup	6/8/2018	Metal	Nickel	Total	=	57.1	µg/L	EPA 200.8	0.045	0.8			
2017/18-5	ME-CC	matrix spike dup, rec	6/8/2018	Metal	Nickel	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2017/18-5	ME-CC	matrix spike, RPD	6/8/2018	Metal	Nickel	Total	=	0.2	%	EPA 200.8	-88	-88	0	30	
2017/18-5	ME-SCR	matrix spike	6/16/2018	Metal	Nickel	Total	=	57.6	µg/L	EPA 200.8	0.045	0.8			
2017/18-5	ME-SCR	matrix spike, rec	6/16/2018	Metal	Nickel	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2017/18-5	ME-SCR	matrix spike dup	6/16/2018	Metal	Nickel	Total	=	59.1	µg/L	EPA 200.8	0.045	0.8			
2017/18-5	ME-SCR	matrix spike dup, rec	6/16/2018	Metal	Nickel	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2017/18-5	ME-SCR	matrix spike, RPD	6/16/2018	Metal	Nickel	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2017/18-5	ME-VR2	matrix spike	6/27/2018	Metal	Nickel	Total	=	46.2	µg/L	EPA 200.8	0.045	0.8			
2017/18-5	ME-VR2	matrix spike, rec	6/27/2018	Metal	Nickel	Total	=	91	%	EPA 200.8	-88	-88	70	130	
2017/18-5	ME-VR2	matrix spike dup	6/27/2018	Metal	Nickel	Total	=	46.1	µg/L	EPA 200.8	0.045	0.8			
2017/18-5	ME-VR2	matrix spike dup, rec	6/27/2018	Metal	Nickel	Total	=	91	%	EPA 200.8	-88	-88	70	130	
2017/18-5	ME-VR2	matrix spike, RPD	6/27/2018	Metal	Nickel	Total	=	0.1	%	EPA 200.8	-88	-88	0	30	
2017/18-5	MO-CAM	matrix spike	6/8/2018	Metal	Nickel	Total	=	52.2	µg/L	EPA 200.8	0.045	0.8			
2017/18-5	MO-CAM	matrix spike, rec	6/8/2018	Metal	Nickel	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2017/18-5	MO-CAM	matrix spike dup	6/8/2018	Metal	Nickel	Total	=	51.3	µg/L	EPA 200.8	0.045	0.8			
2017/18-5	MO-CAM	matrix spike dup, rec	6/8/2018	Metal	Nickel	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2017/18-5	MO-CAM	matrix spike, RPD	6/8/2018	Metal	Nickel	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2017/18-5	MO-OJA	matrix spike	6/27/2018	Metal	Nickel	Total	=	46.9	µg/L	EPA 200.8	0.045	0.8			
2017/18-5	MO-OJA	matrix spike, rec	6/27/2018	Metal	Nickel	Total	=	92	%	EPA 200.8	-88	-88	70	130	
2017/18-5	MO-OJA	matrix spike dup	6/27/2018	Metal	Nickel	Total	=	47.2	µg/L	EPA 200.8	0.045	0.8			
2017/18-5	MO-OJA	matrix spike dup, rec	6/27/2018	Metal	Nickel	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2017/18-5	MO-OJA	matrix spike, RPD	6/27/2018	Metal	Nickel	Total	=	0.6	%	EPA 200.8	-88	-88	0	30	
2017/18-5	Lab	method blank	6/8/2018	Metal	Selenium	Dissolved	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2017/18-5	Lab	LCS	6/8/2018	Metal	Selenium	Dissolved	=	51.5	µg/L	EPA 200.8	0.14	0.4			
2017/18-5	Lab	LCS, rec	6/8/2018	Metal	Selenium	Dissolved	=	103	%	EPA 200.8	-88	-88	85	115	
2017/18-5	Lab	method blank	6/16/2018	Metal	Selenium	Dissolved	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2017/18-5	Lab	LCS	6/16/2018	Metal	Selenium	Dissolved	=	50	µg/L	EPA 200.8	0.14	0.4			
2017/18-5	Lab	LCS, rec	6/16/2018	Metal	Selenium	Dissolved	=	100	%	EPA 200.8	-88	-88	85	115	
2017/18-5	Lab	method blank	6/27/2018	Metal	Selenium	Dissolved	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2017/18-5	Lab	LCS	6/27/2018	Metal	Selenium	Dissolved	=	50.1	µg/L	EPA 200.8	0.14	0.4			
2017/18-5	Lab	LCS, rec	6/27/2018	Metal	Selenium	Dissolved	=	100	%	EPA 200.8	-88	-88	85	115	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	method blank	6/8/2018	Metal	Selenium	Total	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2017/18-5	Lab	LCS	6/8/2018	Metal	Selenium	Total	=	51.5	µg/L	EPA 200.8	0.14	0.4			
2017/18-5	Lab	LCS, rec	6/8/2018	Metal	Selenium	Total	=	103	%	EPA 200.8	-88	-88	85	115	
2017/18-5	Lab	method blank	6/16/2018	Metal	Selenium	Total	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2017/18-5	Lab	LCS	6/16/2018	Metal	Selenium	Total	=	50	µg/L	EPA 200.8	0.14	0.4			
2017/18-5	Lab	LCS, rec	6/16/2018	Metal	Selenium	Total	=	100	%	EPA 200.8	-88	-88	85	115	
2017/18-5	Lab	method blank	6/27/2018	Metal	Selenium	Total	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2017/18-5	Lab	LCS	6/27/2018	Metal	Selenium	Total	=	50.1	µg/L	EPA 200.8	0.14	0.4			
2017/18-5	Lab	LCS, rec	6/27/2018	Metal	Selenium	Total	=	100	%	EPA 200.8	-88	-88	85	115	
2017/18-5	ME-CC	matrix spike	6/8/2018	Metal	Selenium	Total	=	50.5	µg/L	EPA 200.8	0.14	0.4			
2017/18-5	ME-CC	matrix spike, rec	6/8/2018	Metal	Selenium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2017/18-5	ME-CC	matrix spike dup	6/8/2018	Metal	Selenium	Total	=	49.6	µg/L	EPA 200.8	0.14	0.4			
2017/18-5	ME-CC	matrix spike dup, rec	6/8/2018	Metal	Selenium	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2017/18-5	ME-CC	matrix spike, RPD	6/8/2018	Metal	Selenium	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2017/18-5	ME-SCR	matrix spike	6/16/2018	Metal	Selenium	Total	=	54.6	µg/L	EPA 200.8	0.14	0.4			
2017/18-5	ME-SCR	matrix spike, rec	6/16/2018	Metal	Selenium	Total	=	104	%	EPA 200.8	-88	-88	70	130	
2017/18-5	ME-SCR	matrix spike dup	6/16/2018	Metal	Selenium	Total	=	56.2	µg/L	EPA 200.8	0.14	0.4			
2017/18-5	ME-SCR	matrix spike dup, rec	6/16/2018	Metal	Selenium	Total	=	107	%	EPA 200.8	-88	-88	70	130	
2017/18-5	ME-SCR	matrix spike, RPD	6/16/2018	Metal	Selenium	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2017/18-5	ME-VR2	matrix spike	6/27/2018	Metal	Selenium	Total	=	51.8	µg/L	EPA 200.8	0.14	0.4			
2017/18-5	ME-VR2	matrix spike, rec	6/27/2018	Metal	Selenium	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2017/18-5	ME-VR2	matrix spike dup	6/27/2018	Metal	Selenium	Total	=	51.9	µg/L	EPA 200.8	0.14	0.4			
2017/18-5	ME-VR2	matrix spike dup, rec	6/27/2018	Metal	Selenium	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2017/18-5	ME-VR2	matrix spike, RPD	6/27/2018	Metal	Selenium	Total	=	0.3	%	EPA 200.8	-88	-88	0	30	
2017/18-5	MO-CAM	matrix spike	6/8/2018	Metal	Selenium	Total	=	51.6	µg/L	EPA 200.8	0.14	0.4			
2017/18-5	MO-CAM	matrix spike, rec	6/8/2018	Metal	Selenium	Total	=	103	%	EPA 200.8	-88	-88	70	130	
2017/18-5	MO-CAM	matrix spike dup	6/8/2018	Metal	Selenium	Total	=	52	µg/L	EPA 200.8	0.14	0.4			
2017/18-5	MO-CAM	matrix spike dup, rec	6/8/2018	Metal	Selenium	Total	=	104	%	EPA 200.8	-88	-88	70	130	
2017/18-5	MO-CAM	matrix spike, RPD	6/8/2018	Metal	Selenium	Total	=	0.7	%	EPA 200.8	-88	-88	0	30	
2017/18-5	MO-OJA	matrix spike	6/27/2018	Metal	Selenium	Total	=	51.9	µg/L	EPA 200.8	0.14	0.4			
2017/18-5	MO-OJA	matrix spike, rec	6/27/2018	Metal	Selenium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2017/18-5	MO-OJA	matrix spike dup	6/27/2018	Metal	Selenium	Total	=	51.9	µg/L	EPA 200.8	0.14	0.4			
2017/18-5	MO-OJA	matrix spike dup, rec	6/27/2018	Metal	Selenium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2017/18-5	MO-OJA	matrix spike, RPD	6/27/2018	Metal	Selenium	Total	=	0.1	%	EPA 200.8	-88	-88	0	30	
2017/18-5	Lab	method blank	6/8/2018	Metal	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2			
2017/18-5	Lab	LCS	6/8/2018	Metal	Silver	Dissolved	=	53.2	µg/L	EPA 200.8	0.062	0.2			
2017/18-5	Lab	LCS, rec	6/8/2018	Metal	Silver	Dissolved	=	106	%	EPA 200.8	-88	-88	85	115	
2017/18-5	Lab	method blank	6/16/2018	Metal	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2			
2017/18-5	Lab	LCS	6/16/2018	Metal	Silver	Dissolved	=	48.9	µg/L	EPA 200.8	0.062	0.2			
2017/18-5	Lab	LCS, rec	6/16/2018	Metal	Silver	Dissolved	=	98	%	EPA 200.8	-88	-88	85	115	
2017/18-5	Lab	method blank	6/27/2018	Metal	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2			
2017/18-5	Lab	LCS	6/27/2018	Metal	Silver	Dissolved	=	49.2	µg/L	EPA 200.8	0.062	0.2			
2017/18-5	Lab	LCS, rec	6/27/2018	Metal	Silver	Dissolved	=	98	%	EPA 200.8	-88	-88	85	115	
2017/18-5	Lab	method blank	6/8/2018	Metal	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2			
2017/18-5	Lab	LCS	6/8/2018	Metal	Silver	Total	=	53.2	µg/L	EPA 200.8	0.062	0.2			
2017/18-5	Lab	LCS, rec	6/8/2018	Metal	Silver	Total	=	106	%	EPA 200.8	-88	-88	85	115	
2017/18-5	Lab	method blank	6/16/2018	Metal	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	LCS	6/16/2018	Metal	Silver	Total	=	48.9	µg/L	EPA 200.8	0.062	0.2			
2017/18-5	Lab	LCS, rec	6/16/2018	Metal	Silver	Total	=	98	%	EPA 200.8	-88	-88	85	115	
2017/18-5	Lab	method blank	6/27/2018	Metal	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2			
2017/18-5	Lab	LCS	6/27/2018	Metal	Silver	Total	=	49.2	µg/L	EPA 200.8	0.062	0.2			
2017/18-5	Lab	LCS, rec	6/27/2018	Metal	Silver	Total	=	98	%	EPA 200.8	-88	-88	85	115	
2017/18-5	ME-CC	matrix spike	6/8/2018	Metal	Silver	Total	=	47	µg/L	EPA 200.8	0.062	0.2			
2017/18-5	ME-CC	matrix spike, rec	6/8/2018	Metal	Silver	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2017/18-5	ME-CC	matrix spike dup	6/8/2018	Metal	Silver	Total	=	46.2	µg/L	EPA 200.8	0.062	0.2			
2017/18-5	ME-CC	matrix spike dup, rec	6/8/2018	Metal	Silver	Total	=	92	%	EPA 200.8	-88	-88	70	130	
2017/18-5	ME-CC	matrix spike, RPD	6/8/2018	Metal	Silver	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2017/18-5	ME-SCR	matrix spike	6/16/2018	Metal	Silver	Total	=	46	µg/L	EPA 200.8	0.062	0.2			
2017/18-5	ME-SCR	matrix spike, rec	6/16/2018	Metal	Silver	Total	=	92	%	EPA 200.8	-88	-88	70	130	
2017/18-5	ME-SCR	matrix spike dup	6/16/2018	Metal	Silver	Total	=	45.9	µg/L	EPA 200.8	0.062	0.2			
2017/18-5	ME-SCR	matrix spike dup, rec	6/16/2018	Metal	Silver	Total	=	92	%	EPA 200.8	-88	-88	70	130	
2017/18-5	ME-SCR	matrix spike, RPD	6/16/2018	Metal	Silver	Total	=	0.2	%	EPA 200.8	-88	-88	0	30	
2017/18-5	ME-VR2	matrix spike	6/27/2018	Metal	Silver	Total	=	44.7	µg/L	EPA 200.8	0.062	0.2			
2017/18-5	ME-VR2	matrix spike, rec	6/27/2018	Metal	Silver	Total	=	89	%	EPA 200.8	-88	-88	70	130	
2017/18-5	ME-VR2	matrix spike dup	6/27/2018	Metal	Silver	Total	=	44.7	µg/L	EPA 200.8	0.062	0.2			
2017/18-5	ME-VR2	matrix spike dup, rec	6/27/2018	Metal	Silver	Total	=	89	%	EPA 200.8	-88	-88	70	130	
2017/18-5	ME-VR2	matrix spike, RPD	6/27/2018	Metal	Silver	Total	=	0.02	%	EPA 200.8	-88	-88	0	30	
2017/18-5	MO-CAM	matrix spike	6/8/2018	Metal	Silver	Total	=	47.4	µg/L	EPA 200.8	0.062	0.2			
2017/18-5	MO-CAM	matrix spike, rec	6/8/2018	Metal	Silver	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2017/18-5	MO-CAM	matrix spike dup	6/8/2018	Metal	Silver	Total	=	47.3	µg/L	EPA 200.8	0.062	0.2			
2017/18-5	MO-CAM	matrix spike dup, rec	6/8/2018	Metal	Silver	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2017/18-5	MO-CAM	matrix spike, RPD	6/8/2018	Metal	Silver	Total	=	0.1	%	EPA 200.8	-88	-88	0	30	
2017/18-5	MO-OJA	matrix spike	6/27/2018	Metal	Silver	Total	=	44.7	µg/L	EPA 200.8	0.062	0.2			
2017/18-5	MO-OJA	matrix spike, rec	6/27/2018	Metal	Silver	Total	=	89	%	EPA 200.8	-88	-88	70	130	
2017/18-5	MO-OJA	matrix spike dup	6/27/2018	Metal	Silver	Total	=	44.8	µg/L	EPA 200.8	0.062	0.2			
2017/18-5	MO-OJA	matrix spike dup, rec	6/27/2018	Metal	Silver	Total	=	90	%	EPA 200.8	-88	-88	70	130	
2017/18-5	MO-OJA	matrix spike, RPD	6/27/2018	Metal	Silver	Total	=	0.3	%	EPA 200.8	-88	-88	0	30	
2017/18-5	Lab	method blank	6/8/2018	Metal	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2017/18-5	Lab	LCS	6/8/2018	Metal	Thallium	Dissolved	=	52.3	µg/L	EPA 200.8	0.014	0.2			
2017/18-5	Lab	LCS, rec	6/8/2018	Metal	Thallium	Dissolved	=	105	%	EPA 200.8	-88	-88	85	115	
2017/18-5	Lab	method blank	6/16/2018	Metal	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2017/18-5	Lab	LCS	6/16/2018	Metal	Thallium	Dissolved	=	52.5	µg/L	EPA 200.8	0.014	0.2			
2017/18-5	Lab	LCS, rec	6/16/2018	Metal	Thallium	Dissolved	=	105	%	EPA 200.8	-88	-88	85	115	
2017/18-5	Lab	method blank	6/27/2018	Metal	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2017/18-5	Lab	LCS	6/27/2018	Metal	Thallium	Dissolved	=	49.4	µg/L	EPA 200.8	0.014	0.2			
2017/18-5	Lab	LCS, rec	6/27/2018	Metal	Thallium	Dissolved	=	99	%	EPA 200.8	-88	-88	85	115	
2017/18-5	Lab	method blank	6/8/2018	Metal	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2017/18-5	Lab	LCS	6/8/2018	Metal	Thallium	Total	=	52.3	µg/L	EPA 200.8	0.014	0.2			
2017/18-5	Lab	LCS, rec	6/8/2018	Metal	Thallium	Total	=	105	%	EPA 200.8	-88	-88	85	115	
2017/18-5	Lab	method blank	6/16/2018	Metal	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2017/18-5	Lab	LCS	6/16/2018	Metal	Thallium	Total	=	52.5	µg/L	EPA 200.8	0.014	0.2			
2017/18-5	Lab	LCS, rec	6/16/2018	Metal	Thallium	Total	=	105	%	EPA 200.8	-88	-88	85	115	
2017/18-5	Lab	method blank	6/27/2018	Metal	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2017/18-5	Lab	LCS	6/27/2018	Metal	Thallium	Total	=	49.4	µg/L	EPA 200.8	0.014	0.2			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	LCS, rec	6/27/2018	Metal	Thallium	Total	=	99	%	EPA 200.8	-88	-88	85	115	
2017/18-5	ME-CC	matrix spike	6/8/2018	Metal	Thallium	Total	=	50.8	µg/L	EPA 200.8	0.014	0.2			
2017/18-5	ME-CC	matrix spike, rec	6/8/2018	Metal	Thallium	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2017/18-5	ME-CC	matrix spike dup	6/8/2018	Metal	Thallium	Total	=	49.9	µg/L	EPA 200.8	0.014	0.2			
2017/18-5	ME-CC	matrix spike dup, rec	6/8/2018	Metal	Thallium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2017/18-5	ME-CC	matrix spike, RPD	6/8/2018	Metal	Thallium	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2017/18-5	ME-SCR	matrix spike	6/16/2018	Metal	Thallium	Total	=	46.6	µg/L	EPA 200.8	0.014	0.2			
2017/18-5	ME-SCR	matrix spike, rec	6/16/2018	Metal	Thallium	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2017/18-5	ME-SCR	matrix spike dup	6/16/2018	Metal	Thallium	Total	=	47.1	µg/L	EPA 200.8	0.014	0.2			
2017/18-5	ME-SCR	matrix spike dup, rec	6/16/2018	Metal	Thallium	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2017/18-5	ME-SCR	matrix spike, RPD	6/16/2018	Metal	Thallium	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2017/18-5	ME-VR2	matrix spike	6/27/2018	Metal	Thallium	Total	=	49.8	µg/L	EPA 200.8	0.014	0.2			
2017/18-5	ME-VR2	matrix spike, rec	6/27/2018	Metal	Thallium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2017/18-5	ME-VR2	matrix spike dup	6/27/2018	Metal	Thallium	Total	=	49	µg/L	EPA 200.8	0.014	0.2			
2017/18-5	ME-VR2	matrix spike dup, rec	6/27/2018	Metal	Thallium	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2017/18-5	ME-VR2	matrix spike, RPD	6/27/2018	Metal	Thallium	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2017/18-5	MO-CAM	matrix spike	6/8/2018	Metal	Thallium	Total	=	50.4	µg/L	EPA 200.8	0.014	0.2			
2017/18-5	MO-CAM	matrix spike, rec	6/8/2018	Metal	Thallium	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2017/18-5	MO-CAM	matrix spike dup	6/8/2018	Metal	Thallium	Total	=	50.4	µg/L	EPA 200.8	0.014	0.2			
2017/18-5	MO-CAM	matrix spike dup, rec	6/8/2018	Metal	Thallium	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2017/18-5	MO-CAM	matrix spike, RPD	6/8/2018	Metal	Thallium	Total	=	0.1	%	EPA 200.8	-88	-88	0	30	
2017/18-5	MO-OJA	matrix spike	6/27/2018	Metal	Thallium	Total	=	49.2	µg/L	EPA 200.8	0.014	0.2			
2017/18-5	MO-OJA	matrix spike, rec	6/27/2018	Metal	Thallium	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2017/18-5	MO-OJA	matrix spike dup	6/27/2018	Metal	Thallium	Total	=	49.3	µg/L	EPA 200.8	0.014	0.2			
2017/18-5	MO-OJA	matrix spike dup, rec	6/27/2018	Metal	Thallium	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2017/18-5	MO-OJA	matrix spike, RPD	6/27/2018	Metal	Thallium	Total	=	0.1	%	EPA 200.8	-88	-88	0	30	
2017/18-5	Lab	method blank	6/8/2018	Metal	Zinc	Dissolved	<	0.94	µg/L	EPA 200.8	0.94	5			
2017/18-5	Lab	LCS	6/8/2018	Metal	Zinc	Dissolved	=	52.9	µg/L	EPA 200.8	0.94	5			
2017/18-5	Lab	LCS, rec	6/8/2018	Metal	Zinc	Dissolved	=	106	%	EPA 200.8	-88	-88	85	115	
2017/18-5	Lab	method blank	6/16/2018	Metal	Zinc	Dissolved	<	0.94	µg/L	EPA 200.8	0.94	5			
2017/18-5	Lab	LCS	6/16/2018	Metal	Zinc	Dissolved	=	56.6	µg/L	EPA 200.8	0.94	5			
2017/18-5	Lab	LCS, rec	6/16/2018	Metal	Zinc	Dissolved	=	113	%	EPA 200.8	-88	-88	85	115	
2017/18-5	Lab	method blank	6/27/2018	Metal	Zinc	Dissolved	<	0.94	µg/L	EPA 200.8	0.94	5			
2017/18-5	Lab	LCS	6/27/2018	Metal	Zinc	Dissolved	=	52.3	µg/L	EPA 200.8	0.94	5			
2017/18-5	Lab	LCS, rec	6/27/2018	Metal	Zinc	Dissolved	=	105	%	EPA 200.8	-88	-88	85	115	
2017/18-5	Lab	method blank	6/8/2018	Metal	Zinc	Total	<	0.94	µg/L	EPA 200.8	0.94	5			
2017/18-5	Lab	LCS	6/8/2018	Metal	Zinc	Total	=	52.9	µg/L	EPA 200.8	0.94	5			
2017/18-5	Lab	LCS, rec	6/8/2018	Metal	Zinc	Total	=	106	%	EPA 200.8	-88	-88	85	115	
2017/18-5	Lab	method blank	6/16/2018	Metal	Zinc	Total	<	0.94	µg/L	EPA 200.8	0.94	5			
2017/18-5	Lab	LCS	6/16/2018	Metal	Zinc	Total	=	56.6	µg/L	EPA 200.8	0.94	5			
2017/18-5	Lab	LCS, rec	6/16/2018	Metal	Zinc	Total	=	113	%	EPA 200.8	-88	-88	85	115	
2017/18-5	Lab	method blank	6/27/2018	Metal	Zinc	Total	<	0.94	µg/L	EPA 200.8	0.94	5			
2017/18-5	Lab	LCS	6/27/2018	Metal	Zinc	Total	=	52.3	µg/L	EPA 200.8	0.94	5			
2017/18-5	Lab	LCS, rec	6/27/2018	Metal	Zinc	Total	=	105	%	EPA 200.8	-88	-88	85	115	
2017/18-5	ME-CC	matrix spike	6/8/2018	Metal	Zinc	Total	=	58	µg/L	EPA 200.8	0.94	5			
2017/18-5	ME-CC	matrix spike, rec	6/8/2018	Metal	Zinc	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2017/18-5	ME-CC	matrix spike dup	6/8/2018	Metal	Zinc	Total	=	59.5	µg/L	EPA 200.8	0.94	5			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	ME-CC	matrix spike dup, rec	6/8/2018	Metal	Zinc	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2017/18-5	ME-CC	matrix spike, RPD	6/8/2018	Metal	Zinc	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2017/18-5	ME-SCR	matrix spike	6/16/2018	Metal	Zinc	Total	=	47.5	µg/L	EPA 200.8	0.94	5			
2017/18-5	ME-SCR	matrix spike, rec	6/16/2018	Metal	Zinc	Total	=	90	%	EPA 200.8	-88	-88	70	130	
2017/18-5	ME-SCR	matrix spike dup	6/16/2018	Metal	Zinc	Total	=	49	µg/L	EPA 200.8	0.94	5			
2017/18-5	ME-SCR	matrix spike dup, rec	6/16/2018	Metal	Zinc	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2017/18-5	ME-SCR	matrix spike, RPD	6/16/2018	Metal	Zinc	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2017/18-5	ME-VR2	matrix spike	6/27/2018	Metal	Zinc	Total	=	47.8	µg/L	EPA 200.8	0.94	5			
2017/18-5	ME-VR2	matrix spike, rec	6/27/2018	Metal	Zinc	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2017/18-5	ME-VR2	matrix spike dup	6/27/2018	Metal	Zinc	Total	=	48	µg/L	EPA 200.8	0.94	5			
2017/18-5	ME-VR2	matrix spike dup, rec	6/27/2018	Metal	Zinc	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2017/18-5	ME-VR2	matrix spike, RPD	6/27/2018	Metal	Zinc	Total	=	0.2	%	EPA 200.8	-88	-88	0	30	
2017/18-5	MO-CAM	matrix spike	6/8/2018	Metal	Zinc	Total	=	82	µg/L	EPA 200.8	0.94	5			
2017/18-5	MO-CAM	matrix spike, rec	6/8/2018	Metal	Zinc	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2017/18-5	MO-CAM	matrix spike dup	6/8/2018	Metal	Zinc	Total	=	79.6	µg/L	EPA 200.8	0.94	5			
2017/18-5	MO-CAM	matrix spike dup, rec	6/8/2018	Metal	Zinc	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2017/18-5	MO-CAM	matrix spike, RPD	6/8/2018	Metal	Zinc	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2017/18-5	MO-OJA	matrix spike	6/27/2018	Metal	Zinc	Total	=	49.9	µg/L	EPA 200.8	0.94	5			
2017/18-5	MO-OJA	matrix spike, rec	6/27/2018	Metal	Zinc	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2017/18-5	MO-OJA	matrix spike dup	6/27/2018	Metal	Zinc	Total	=	50.3	µg/L	EPA 200.8	0.94	5			
2017/18-5	MO-OJA	matrix spike dup, rec	6/27/2018	Metal	Zinc	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2017/18-5	MO-OJA	matrix spike, RPD	6/27/2018	Metal	Zinc	Total	=	0.8	%	EPA 200.8	-88	-88	0	30	
2017/18-5	000NONPJ	lab duplicate	5/31/2018	Nutrient	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1		15	
2017/18-5	000NONPJ	matrix spike	5/31/2018	Nutrient	Ammonia as N	n/a	=	0.275	mg/L	EPA 350.1	0.048	0.1			
2017/18-5	000NONPJ	matrix spike	5/31/2018	Nutrient	Ammonia as N	n/a	=	0.242	mg/L	EPA 350.1	0.048	0.1			
2017/18-5	000NONPJ	matrix spike dup	5/31/2018	Nutrient	Ammonia as N	n/a	=	0.243	mg/L	EPA 350.1	0.048	0.1			
2017/18-5	000NONPJ	matrix spike dup	5/31/2018	Nutrient	Ammonia as N	n/a	=	0.273	mg/L	EPA 350.1	0.048	0.1			
2017/18-5	000NONPJ	matrix spike dup, rec	5/31/2018	Nutrient	Ammonia as N	n/a	=	97	%	EPA 350.1	-88	-88	90	110	
2017/18-5	000NONPJ	matrix spike dup, rec	5/31/2018	Nutrient	Ammonia as N	n/a	=	109	%	EPA 350.1	-88	-88	90	110	
2017/18-5	000NONPJ	matrix spike, rec	5/31/2018	Nutrient	Ammonia as N	n/a	=	97	%	EPA 350.1	-88	-88	90	110	
2017/18-5	000NONPJ	matrix spike, rec	5/31/2018	Nutrient	Ammonia as N	n/a	=	110	%	EPA 350.1	-88	-88	90	110	
2017/18-5	000NONPJ	matrix spike, RPD	5/31/2018	Nutrient	Ammonia as N	n/a	=	0.5	%	EPA 350.1	-88	-88	0	15	
2017/18-5	000NONPJ	matrix spike, RPD	5/31/2018	Nutrient	Ammonia as N	n/a	=	0.6	%	EPA 350.1	-88	-88	0	15	
2017/18-5	000NONPJ	matrix spike	6/12/2018	Nutrient	Ammonia as N	n/a	=	0.31	mg/L	EPA 350.1	0.048	0.1			
2017/18-5	000NONPJ	matrix spike	6/12/2018	Nutrient	Ammonia as N	n/a	=	0.33	mg/L	EPA 350.1	0.048	0.1			
2017/18-5	000NONPJ	matrix spike dup	6/12/2018	Nutrient	Ammonia as N	n/a	=	0.311	mg/L	EPA 350.1	0.048	0.1			
2017/18-5	000NONPJ	matrix spike dup	6/12/2018	Nutrient	Ammonia as N	n/a	=	0.329	mg/L	EPA 350.1	0.048	0.1			
2017/18-5	000NONPJ	matrix spike dup, rec	6/12/2018	Nutrient	Ammonia as N	n/a	=	96	%	EPA 350.1	-88	-88	90	110	
2017/18-5	000NONPJ	matrix spike dup, rec	6/12/2018	Nutrient	Ammonia as N	n/a	=	99	%	EPA 350.1	-88	-88	90	110	
2017/18-5	000NONPJ	matrix spike, rec	6/12/2018	Nutrient	Ammonia as N	n/a	=	99	%	EPA 350.1	-88	-88	90	110	
2017/18-5	000NONPJ	matrix spike, rec	6/12/2018	Nutrient	Ammonia as N	n/a	=	97	%	EPA 350.1	-88	-88	90	110	
2017/18-5	000NONPJ	matrix spike, RPD	6/12/2018	Nutrient	Ammonia as N	n/a	=	0.4	%	EPA 350.1	-88	-88	0	15	
2017/18-5	000NONPJ	matrix spike, RPD	6/12/2018	Nutrient	Ammonia as N	n/a	=	0.4	%	EPA 350.1	-88	-88	0	15	
2017/18-5	000NONPJ	lab duplicate	6/22/2018	Nutrient	Ammonia as N	n/a	DNQ	0.0908	mg/L	EPA 350.1	0.048	0.1		15	
2017/18-5	000NONPJ	matrix spike	6/22/2018	Nutrient	Ammonia as N	n/a	=	0.264	mg/L	EPA 350.1	0.048	0.1			
2017/18-5	000NONPJ	matrix spike	6/22/2018	Nutrient	Ammonia as N	n/a	=	0.273	mg/L	EPA 350.1	0.048	0.1			
2017/18-5	000NONPJ	matrix spike dup	6/22/2018	Nutrient	Ammonia as N	n/a	=	0.274	mg/L	EPA 350.1	0.048	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	000NONPJ	matrix spike dup	6/22/2018	Nutrient	Ammonia as N	n/a	=	0.265	mg/L	EPA 350.1	0.048	0.1			
2017/18-5	000NONPJ	matrix spike dup, rec	6/22/2018	Nutrient	Ammonia as N	n/a	=	106	%	EPA 350.1	-88	-88	90	110	
2017/18-5	000NONPJ	matrix spike dup, rec	6/22/2018	Nutrient	Ammonia as N	n/a	=	110	%	EPA 350.1	-88	-88	90	110	
2017/18-5	000NONPJ	matrix spike, rec	6/22/2018	Nutrient	Ammonia as N	n/a	=	106	%	EPA 350.1	-88	-88	90	110	
2017/18-5	000NONPJ	matrix spike, rec	6/22/2018	Nutrient	Ammonia as N	n/a	=	109	%	EPA 350.1	-88	-88	90	110	
2017/18-5	000NONPJ	matrix spike, RPD	6/22/2018	Nutrient	Ammonia as N	n/a	=	0.3	%	EPA 350.1	-88	-88	0	15	
2017/18-5	000NONPJ	matrix spike, RPD	6/22/2018	Nutrient	Ammonia as N	n/a	=	0.6	%	EPA 350.1	-88	-88	0	15	
2017/18-5	Lab	LCS	5/31/2018	Nutrient	Ammonia as N	n/a	=	0.242	mg/L	EPA 350.1	0.048	0.1			
2017/18-5	Lab	LCS	5/31/2018	Nutrient	Ammonia as N	n/a	=	0.237	mg/L	EPA 350.1	0.048	0.1			
2017/18-5	Lab	LCS, rec	5/31/2018	Nutrient	Ammonia as N	n/a	=	97	%	EPA 350.1	-88	-88	90	110	
2017/18-5	Lab	LCS, rec	5/31/2018	Nutrient	Ammonia as N	n/a	=	95	%	EPA 350.1	-88	-88	90	110	
2017/18-5	Lab	method blank	5/31/2018	Nutrient	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1			
2017/18-5	Lab	method blank	5/31/2018	Nutrient	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1			
2017/18-5	Lab	LCS	6/12/2018	Nutrient	Ammonia as N	n/a	=	0.256	mg/L	EPA 350.1	0.048	0.1			
2017/18-5	Lab	LCS	6/12/2018	Nutrient	Ammonia as N	n/a	=	0.254	mg/L	EPA 350.1	0.048	0.1			
2017/18-5	Lab	LCS, rec	6/12/2018	Nutrient	Ammonia as N	n/a	=	101	%	EPA 350.1	-88	-88	90	110	
2017/18-5	Lab	LCS, rec	6/12/2018	Nutrient	Ammonia as N	n/a	=	102	%	EPA 350.1	-88	-88	90	110	
2017/18-5	Lab	method blank	6/12/2018	Nutrient	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1			
2017/18-5	Lab	method blank	6/12/2018	Nutrient	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1			
2017/18-5	Lab	LCS	6/22/2018	Nutrient	Ammonia as N	n/a	=	0.263	mg/L	EPA 350.1	0.048	0.1			
2017/18-5	Lab	LCS	6/22/2018	Nutrient	Ammonia as N	n/a	=	0.265	mg/L	EPA 350.1	0.048	0.1			
2017/18-5	Lab	LCS, rec	6/22/2018	Nutrient	Ammonia as N	n/a	=	106	%	EPA 350.1	-88	-88	90	110	
2017/18-5	Lab	LCS, rec	6/22/2018	Nutrient	Ammonia as N	n/a	=	105	%	EPA 350.1	-88	-88	90	110	
2017/18-5	Lab	method blank	6/22/2018	Nutrient	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1			
2017/18-5	Lab	method blank	6/22/2018	Nutrient	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1			
2017/18-5	ME-SCR	lab duplicate	6/12/2018	Nutrient	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1		15	
2017/18-5	000NONPJ	matrix spike	5/31/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	51.2	mg/L	EPA 300.0	0.2	1.1			
2017/18-5	000NONPJ	matrix spike	5/31/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	47.6	mg/L	EPA 300.0	0.2	1.1			
2017/18-5	000NONPJ	matrix spike dup	5/31/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	51.1	mg/L	EPA 300.0	0.2	1.1			
2017/18-5	000NONPJ	matrix spike dup	5/31/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	47.3	mg/L	EPA 300.0	0.2	1.1			
2017/18-5	000NONPJ	matrix spike dup, rec	5/31/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	102	%	EPA 300.0	-88	-88	84	115	
2017/18-5	000NONPJ	matrix spike dup, rec	5/31/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	104	%	EPA 300.0	-88	-88	84	115	
2017/18-5	000NONPJ	matrix spike, rec	5/31/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	104	%	EPA 300.0	-88	-88	84	115	
2017/18-5	000NONPJ	matrix spike, rec	5/31/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	103	%	EPA 300.0	-88	-88	84	115	
2017/18-5	000NONPJ	matrix spike, RPD	5/31/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	0.06	%	EPA 300.0	-88	-88	0	20	
2017/18-5	000NONPJ	matrix spike, RPD	5/31/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	0.6	%	EPA 300.0	-88	-88	0	20	
2017/18-5	000NONPJ	matrix spike	6/7/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	7.18	mg/L	EPA 353.2	0.083	0.2			
2017/18-5	000NONPJ	matrix spike, rec	6/7/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	97	%	EPA 353.2	-88	-88	90	110	
2017/18-5	000NONPJ	matrix spike dup	6/7/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	7.18	mg/L	EPA 353.2	0.083	0.2			
2017/18-5	000NONPJ	matrix spike dup, rec	6/7/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	97	%	EPA 353.2	-88	-88	90	110	
2017/18-5	000NONPJ	matrix spike, RPD	6/7/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	0	%	EPA 353.2	-88	-88	0	20	
2017/18-5	000NONPJ	matrix spike	6/7/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	6.58	mg/L	EPA 353.2	0.083	0.2			
2017/18-5	000NONPJ	matrix spike, rec	6/7/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	98	%	EPA 353.2	-88	-88	90	110	
2017/18-5	000NONPJ	matrix spike dup	6/7/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	6.58	mg/L	EPA 353.2	0.083	0.2			
2017/18-5	000NONPJ	matrix spike dup, rec	6/7/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	98	%	EPA 353.2	-88	-88	90	110	
2017/18-5	000NONPJ	matrix spike, RPD	6/7/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	0	%	EPA 353.2	-88	-88	0	20	
2017/18-5	000NONPJ	matrix spike	6/11/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	1.96	mg/L	EPA 353.2	0.083	0.2			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	000NONPJ	matrix spike, rec	6/11/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	98	%	EPA 353.2	-88	-88	90	110	
2017/18-5	000NONPJ	matrix spike dup	6/11/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	1.95	mg/L	EPA 353.2	0.083	0.2			
2017/18-5	000NONPJ	matrix spike dup, rec	6/11/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	98	%	EPA 353.2	-88	-88	90	110	
2017/18-5	000NONPJ	matrix spike, RPD	6/11/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	0.5	%	EPA 353.2	-88	-88	0	20	
2017/18-5	000NONPJ	matrix spike	6/11/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	1.93	mg/L	EPA 353.2	0.083	0.2			
2017/18-5	000NONPJ	matrix spike, rec	6/11/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	96	%	EPA 353.2	-88	-88	90	110	
2017/18-5	000NONPJ	matrix spike dup	6/11/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	1.97	mg/L	EPA 353.2	0.083	0.2			
2017/18-5	000NONPJ	matrix spike dup, rec	6/11/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	98	%	EPA 353.2	-88	-88	90	110	
2017/18-5	000NONPJ	matrix spike, RPD	6/11/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	2	%	EPA 353.2	-88	-88	0	20	
2017/18-5	000NONPJ	lab duplicate	6/11/2018	Nutrient	Nitrate + Nitrite as N	n/a	<	0.083	mg/L	EPA 353.2	0.083	0.2		20	
2017/18-5	000NONPJ	matrix spike	6/12/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	1.92	mg/L	EPA 353.2	0.083	0.2			
2017/18-5	000NONPJ	matrix spike, rec	6/12/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	96	%	EPA 353.2	-88	-88	90	110	
2017/18-5	000NONPJ	matrix spike dup	6/12/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	1.94	mg/L	EPA 353.2	0.083	0.2			
2017/18-5	000NONPJ	matrix spike dup, rec	6/12/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	97	%	EPA 353.2	-88	-88	90	110	
2017/18-5	000NONPJ	matrix spike, RPD	6/12/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	1	%	EPA 353.2	-88	-88	0	20	
2017/18-5	000NONPJ	matrix spike	6/12/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	1.84	mg/L	EPA 353.2	0.083	0.2			
2017/18-5	000NONPJ	matrix spike, rec	6/12/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	92	%	EPA 353.2	-88	-88	90	110	
2017/18-5	000NONPJ	matrix spike dup	6/12/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	1.83	mg/L	EPA 353.2	0.083	0.2			
2017/18-5	000NONPJ	matrix spike dup, rec	6/12/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	92	%	EPA 353.2	-88	-88	90	110	
2017/18-5	000NONPJ	matrix spike, RPD	6/12/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	0.5	%	EPA 353.2	-88	-88	0	20	
2017/18-5	000NONPJ	matrix spike	6/26/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	5.71	mg/L	EPA 353.2	0.083	0.2			
2017/18-5	000NONPJ	matrix spike, rec	6/26/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	105	%	EPA 353.2	-88	-88	90	110	
2017/18-5	000NONPJ	matrix spike dup	6/26/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	5.66	mg/L	EPA 353.2	0.083	0.2			
2017/18-5	000NONPJ	matrix spike dup, rec	6/26/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	102	%	EPA 353.2	-88	-88	90	110	
2017/18-5	000NONPJ	matrix spike, RPD	6/26/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	1	%	EPA 353.2	-88	-88	0	20	
2017/18-5	000NONPJ	matrix spike	6/26/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	5.03	mg/L	EPA 353.2	0.083	0.2			
2017/18-5	000NONPJ	matrix spike, rec	6/26/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	101	%	EPA 353.2	-88	-88	90	110	
2017/18-5	000NONPJ	matrix spike dup	6/26/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	5.01	mg/L	EPA 353.2	0.083	0.2			
2017/18-5	000NONPJ	matrix spike dup, rec	6/26/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	100	%	EPA 353.2	-88	-88	90	110	
2017/18-5	000NONPJ	matrix spike, RPD	6/26/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	0.3	%	EPA 353.2	-88	-88	0	20	
2017/18-5	Lab	LCS	5/31/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	4.07	mg/L	EPA 300.0	0.02	0.11			
2017/18-5	Lab	LCS, rec	5/31/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	102	%	EPA 300.0	-88	-88	90	110	
2017/18-5	Lab	method blank	5/31/2018	Nutrient	Nitrate + Nitrite as N	n/a	DNQ	0.04	mg/L	EPA 300.0	0.02	0.11			IP
2017/18-5	Lab	method blank	6/7/2018	Nutrient	Nitrate + Nitrite as N	n/a	<	0.083	mg/L	EPA 353.2	0.083	0.2			
2017/18-5	Lab	LCS	6/7/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	1.09	mg/L	EPA 353.2	0.083	0.2			
2017/18-5	Lab	LCS, rec	6/7/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	109	%	EPA 353.2	-88	-88	90	110	
2017/18-5	Lab	method blank	6/11/2018	Nutrient	Nitrate + Nitrite as N	n/a	<	0.083	mg/L	EPA 353.2	0.083	0.2			
2017/18-5	Lab	LCS	6/11/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	1.02	mg/L	EPA 353.2	0.083	0.2			
2017/18-5	Lab	LCS, rec	6/11/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	102	%	EPA 353.2	-88	-88	90	110	
2017/18-5	Lab	method blank	6/12/2018	Nutrient	Nitrate + Nitrite as N	n/a	<	0.083	mg/L	EPA 353.2	0.083	0.2			
2017/18-5	Lab	LCS	6/12/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	1.01	mg/L	EPA 353.2	0.083	0.2			
2017/18-5	Lab	LCS, rec	6/12/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	101	%	EPA 353.2	-88	-88	90	110	
2017/18-5	Lab	method blank	6/26/2018	Nutrient	Nitrate + Nitrite as N	n/a	<	0.083	mg/L	EPA 353.2	0.083	0.2			
2017/18-5	Lab	LCS	6/26/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	0.997	mg/L	EPA 353.2	0.083	0.2			
2017/18-5	Lab	LCS, rec	6/26/2018	Nutrient	Nitrate + Nitrite as N	n/a	=	100	%	EPA 353.2	-88	-88	90	110	
2017/18-5	000NONPJ	matrix spike	5/31/2018	Nutrient	Nitrate as N	n/a	=	26.7	mg/L	EPA 300.0	0.2	1.1			
2017/18-5	000NONPJ	matrix spike	5/31/2018	Nutrient	Nitrate as N	n/a	=	30.2	mg/L	EPA 300.0	0.2	1.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	000NONPJ	matrix spike dup	5/31/2018	Nutrient	Nitrate as N	n/a	=	30.2	mg/L	EPA 300.0	0.2	1.1			
2017/18-5	000NONPJ	matrix spike dup	5/31/2018	Nutrient	Nitrate as N	n/a	=	26.6	mg/L	EPA 300.0	0.2	1.1			
2017/18-5	000NONPJ	matrix spike dup, rec	5/31/2018	Nutrient	Nitrate as N	n/a	=	100	%	EPA 300.0	-88	-88	84	115	
2017/18-5	000NONPJ	matrix spike dup, rec	5/31/2018	Nutrient	Nitrate as N	n/a	=	103	%	EPA 300.0	-88	-88	84	115	
2017/18-5	000NONPJ	matrix spike, rec	5/31/2018	Nutrient	Nitrate as N	n/a	=	101	%	EPA 300.0	-88	-88	84	115	
2017/18-5	000NONPJ	matrix spike, rec	5/31/2018	Nutrient	Nitrate as N	n/a	=	103	%	EPA 300.0	-88	-88	84	115	
2017/18-5	000NONPJ	matrix spike, RPD	5/31/2018	Nutrient	Nitrate as N	n/a	=	0.7	%	EPA 300.0	-88	-88	0	20	
2017/18-5	000NONPJ	matrix spike, RPD	5/31/2018	Nutrient	Nitrate as N	n/a	=	0.07	%	EPA 300.0	-88	-88	0	20	
2017/18-5	000NONPJ	matrix spike	6/7/2018	Nutrient	Nitrate as N	n/a	=	7.18	mg/L	EPA 353.2	0.083	0.2			
2017/18-5	000NONPJ	matrix spike, rec	6/7/2018	Nutrient	Nitrate as N	n/a	=	97	%	EPA 353.2	-88	-88	90	110	
2017/18-5	000NONPJ	matrix spike dup	6/7/2018	Nutrient	Nitrate as N	n/a	=	7.18	mg/L	EPA 353.2	0.083	0.2			
2017/18-5	000NONPJ	matrix spike dup, rec	6/7/2018	Nutrient	Nitrate as N	n/a	=	97	%	EPA 353.2	-88	-88	90	110	
2017/18-5	000NONPJ	matrix spike, RPD	6/7/2018	Nutrient	Nitrate as N	n/a	=	0	%	EPA 353.2	-88	-88	0	20	
2017/18-5	000NONPJ	matrix spike	6/7/2018	Nutrient	Nitrate as N	n/a	=	6.58	mg/L	EPA 353.2	0.083	0.2			
2017/18-5	000NONPJ	matrix spike, rec	6/7/2018	Nutrient	Nitrate as N	n/a	=	98	%	EPA 353.2	-88	-88	90	110	
2017/18-5	000NONPJ	matrix spike dup	6/7/2018	Nutrient	Nitrate as N	n/a	=	6.58	mg/L	EPA 353.2	0.083	0.2			
2017/18-5	000NONPJ	matrix spike dup, rec	6/7/2018	Nutrient	Nitrate as N	n/a	=	98	%	EPA 353.2	-88	-88	90	110	
2017/18-5	000NONPJ	matrix spike, RPD	6/7/2018	Nutrient	Nitrate as N	n/a	=	0	%	EPA 353.2	-88	-88	0	20	
2017/18-5	Lab	LCS	5/31/2018	Nutrient	Nitrate as N	n/a	=	2.02	mg/L	EPA 300.0	0.02	0.11			
2017/18-5	Lab	LCS, rec	5/31/2018	Nutrient	Nitrate as N	n/a	=	101	%	EPA 300.0	-88	-88	90	110	
2017/18-5	Lab	method blank	5/31/2018	Nutrient	Nitrate as N	n/a	<	0.02	mg/L	EPA 300.0	0.02	0.11			
2017/18-5	Lab	method blank	6/7/2018	Nutrient	Nitrate as N	n/a	<	0.083	mg/L	EPA 353.2	0.083	0.2			
2017/18-5	Lab	LCS	6/7/2018	Nutrient	Nitrate as N	n/a	=	1.09	mg/L	EPA 353.2	0.083	0.2			
2017/18-5	Lab	LCS, rec	6/7/2018	Nutrient	Nitrate as N	n/a	=	109	%	EPA 353.2	-88	-88	90	110	
2017/18-5	000NONPJ	matrix spike	6/27/2018	Nutrient	Phosphorus as P	Dissolved	=	0.0745	mg/L	EPA 365.1	0.0014	0.01			
2017/18-5	000NONPJ	matrix spike, rec	6/27/2018	Nutrient	Phosphorus as P	Dissolved	=	107	%	EPA 365.1	-88	-88	90	110	
2017/18-5	000NONPJ	matrix spike dup	6/27/2018	Nutrient	Phosphorus as P	Dissolved	=	0.0734	mg/L	EPA 365.1	0.0014	0.01			
2017/18-5	000NONPJ	matrix spike dup, rec	6/27/2018	Nutrient	Phosphorus as P	Dissolved	=	105	%	EPA 365.1	-88	-88	90	110	
2017/18-5	000NONPJ	matrix spike, RPD	6/27/2018	Nutrient	Phosphorus as P	Dissolved	=	1	%	EPA 365.1	-88	-88	0	20	
2017/18-5	000NONPJ	matrix spike	6/29/2018	Nutrient	Phosphorus as P	Dissolved	=	0.076	mg/L	EPA 365.1	0.0028	0.02			
2017/18-5	000NONPJ	matrix spike, rec	6/29/2018	Nutrient	Phosphorus as P	Dissolved	=	96	%	EPA 365.1	-88	-88	90	110	
2017/18-5	000NONPJ	matrix spike dup	6/29/2018	Nutrient	Phosphorus as P	Dissolved	=	0.08	mg/L	EPA 365.1	0.0028	0.02			
2017/18-5	000NONPJ	matrix spike dup, rec	6/29/2018	Nutrient	Phosphorus as P	Dissolved	=	104	%	EPA 365.1	-88	-88	90	110	
2017/18-5	000NONPJ	matrix spike, RPD	6/29/2018	Nutrient	Phosphorus as P	Dissolved	=	5	%	EPA 365.1	-88	-88	0	20	
2017/18-5	000NONPJ	matrix spike	7/9/2018	Nutrient	Phosphorus as P	Dissolved	=	0.0893	mg/L	EPA 365.1	0.0014	0.01			
2017/18-5	000NONPJ	matrix spike, rec	7/9/2018	Nutrient	Phosphorus as P	Dissolved	=	106	%	EPA 365.1	-88	-88	90	110	
2017/18-5	000NONPJ	matrix spike dup	7/9/2018	Nutrient	Phosphorus as P	Dissolved	=	0.0797	mg/L	EPA 365.1	0.0014	0.01			GB
2017/18-5	000NONPJ	matrix spike dup, rec	7/9/2018	Nutrient	Phosphorus as P	Dissolved	=	87	%	EPA 365.1	-88	-88	90	110	GB
2017/18-5	000NONPJ	matrix spike, RPD	7/9/2018	Nutrient	Phosphorus as P	Dissolved	=	11	%	EPA 365.1	-88	-88	0	20	
2017/18-5	Lab	LCS	6/27/2018	Nutrient	Phosphorus as P	Dissolved	=	0.0512	mg/L	EPA 365.1	0.0014	0.01			
2017/18-5	Lab	LCS, rec	6/27/2018	Nutrient	Phosphorus as P	Dissolved	=	102	%	EPA 365.1	-88	-88	90	110	
2017/18-5	Lab	method blank	6/27/2018	Nutrient	Phosphorus as P	Dissolved	<	0.0014	mg/L	EPA 365.1	0.0014	0.01			
2017/18-5	Lab	method blank	6/29/2018	Nutrient	Phosphorus as P	Dissolved	<	0.0014	mg/L	EPA 365.1	0.0014	0.01			
2017/18-5	Lab	LCS	6/29/2018	Nutrient	Phosphorus as P	Dissolved	=	0.0509	mg/L	EPA 365.1	0.0014	0.01			
2017/18-5	Lab	LCS, rec	6/29/2018	Nutrient	Phosphorus as P	Dissolved	=	102	%	EPA 365.1	-88	-88	90	110	
2017/18-5	Lab	method blank	7/3/2018	Nutrient	Phosphorus as P	Dissolved	DNQ	0.0033	mg/L	EPA 365.1	0.0014	0.01			IP
2017/18-5	Lab	LCS	7/3/2018	Nutrient	Phosphorus as P	Dissolved	=	0.0496	mg/L	EPA 365.1	0.0014	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	LCS, rec	7/3/2018	Nutrient	Phosphorus as P	Dissolved	=	99	%	EPA 365.1	-88	-88	90	110	
2017/18-5	Lab	method blank	7/9/2018	Nutrient	Phosphorus as P	Dissolved	DNQ	0.0016	mg/L	EPA 365.1	0.0014	0.01			IP
2017/18-5	Lab	LCS	7/9/2018	Nutrient	Phosphorus as P	Dissolved	=	0.0522	mg/L	EPA 365.1	0.0014	0.01			
2017/18-5	Lab	LCS, rec	7/9/2018	Nutrient	Phosphorus as P	Dissolved	=	104	%	EPA 365.1	-88	-88	90	110	
2017/18-5	ME-VR2	matrix spike	7/3/2018	Nutrient	Phosphorus as P	Dissolved	=	0.0565	mg/L	EPA 365.1	0.0014	0.01			
2017/18-5	ME-VR2	matrix spike, rec	7/3/2018	Nutrient	Phosphorus as P	Dissolved	=	103	%	EPA 365.1	-88	-88	90	110	
2017/18-5	ME-VR2	matrix spike dup	7/3/2018	Nutrient	Phosphorus as P	Dissolved	=	0.0599	mg/L	EPA 365.1	0.0014	0.01			
2017/18-5	ME-VR2	matrix spike dup, rec	7/3/2018	Nutrient	Phosphorus as P	Dissolved	=	110	%	EPA 365.1	-88	-88	90	110	
2017/18-5	ME-VR2	matrix spike, RPD	7/3/2018	Nutrient	Phosphorus as P	Dissolved	=	6	%	EPA 365.1	-88	-88	0	20	
2017/18-5	000NONPJ	matrix spike	6/20/2018	Nutrient	Phosphorus as P	Total	=	0.0815	mg/L	EPA 365.1	0.0014	0.01			GB
2017/18-5	000NONPJ	matrix spike, rec	6/20/2018	Nutrient	Phosphorus as P	Total	=	119	%	EPA 365.1	-88	-88	90	110	GB
2017/18-5	000NONPJ	matrix spike dup	6/20/2018	Nutrient	Phosphorus as P	Total	=	0.0783	mg/L	EPA 365.1	0.0014	0.01			GB
2017/18-5	000NONPJ	matrix spike dup, rec	6/20/2018	Nutrient	Phosphorus as P	Total	=	113	%	EPA 365.1	-88	-88	90	110	GB
2017/18-5	000NONPJ	matrix spike, RPD	6/20/2018	Nutrient	Phosphorus as P	Total	=	4	%	EPA 365.1	-88	-88	0	20	
2017/18-5	000NONPJ	matrix spike	7/9/2018	Nutrient	Phosphorus as P	Total	=	0.125	mg/L	EPA 365.1	0.0014	0.01			GB
2017/18-5	000NONPJ	matrix spike, rec	7/9/2018	Nutrient	Phosphorus as P	Total	=	77	%	EPA 365.1	-88	-88	90	110	GB
2017/18-5	000NONPJ	matrix spike dup	7/9/2018	Nutrient	Phosphorus as P	Total	=	0.123	mg/L	EPA 365.1	0.0014	0.01			GB
2017/18-5	000NONPJ	matrix spike dup, rec	7/9/2018	Nutrient	Phosphorus as P	Total	=	73	%	EPA 365.1	-88	-88	90	110	GB
2017/18-5	000NONPJ	matrix spike, RPD	7/9/2018	Nutrient	Phosphorus as P	Total	=	2	%	EPA 365.1	-88	-88	0	20	
2017/18-5	000NONPJ	matrix spike	7/12/2018	Nutrient	Phosphorus as P	Total	=	0.127	mg/L	EPA 365.1	0.0014	0.01			GB
2017/18-5	000NONPJ	matrix spike, rec	7/12/2018	Nutrient	Phosphorus as P	Total	=	112	%	EPA 365.1	-88	-88	90	110	GB
2017/18-5	000NONPJ	matrix spike dup	7/12/2018	Nutrient	Phosphorus as P	Total	=	0.125	mg/L	EPA 365.1	0.0014	0.01			
2017/18-5	000NONPJ	matrix spike dup, rec	7/12/2018	Nutrient	Phosphorus as P	Total	=	108	%	EPA 365.1	-88	-88	90	110	
2017/18-5	000NONPJ	matrix spike, RPD	7/12/2018	Nutrient	Phosphorus as P	Total	=	2	%	EPA 365.1	-88	-88	0	20	
2017/18-5	Lab	method blank	6/20/2018	Nutrient	Phosphorus as P	Total	<	0.0014	mg/L	EPA 365.1	0.0014	0.01			
2017/18-5	Lab	LCS	6/20/2018	Nutrient	Phosphorus as P	Total	=	0.046	mg/L	EPA 365.1	0.0014	0.01			
2017/18-5	Lab	LCS, rec	6/20/2018	Nutrient	Phosphorus as P	Total	=	92	%	EPA 365.1	-88	-88	90	110	
2017/18-5	Lab	method blank	6/20/2018	Nutrient	Phosphorus as P	Total	<	0.0014	mg/L	EPA 365.1	0.0014	0.01			
2017/18-5	Lab	LCS	6/20/2018	Nutrient	Phosphorus as P	Total	=	0.0505	mg/L	EPA 365.1	0.0014	0.01			
2017/18-5	Lab	LCS, rec	6/20/2018	Nutrient	Phosphorus as P	Total	=	101	%	EPA 365.1	-88	-88	90	110	
2017/18-5	Lab	method blank	7/9/2018	Nutrient	Phosphorus as P	Total	<	0.0014	mg/L	EPA 365.1	0.0014	0.01			
2017/18-5	Lab	LCS	7/9/2018	Nutrient	Phosphorus as P	Total	=	0.0453	mg/L	EPA 365.1	0.0014	0.01			
2017/18-5	Lab	LCS, rec	7/9/2018	Nutrient	Phosphorus as P	Total	=	91	%	EPA 365.1	-88	-88	90	110	
2017/18-5	Lab	method blank	7/12/2018	Nutrient	Phosphorus as P	Total	<	0.0014	mg/L	EPA 365.1	0.0014	0.01			
2017/18-5	Lab	LCS	7/12/2018	Nutrient	Phosphorus as P	Total	=	0.047	mg/L	EPA 365.1	0.0014	0.01			
2017/18-5	Lab	LCS, rec	7/12/2018	Nutrient	Phosphorus as P	Total	=	94	%	EPA 365.1	-88	-88	90	110	
2017/18-5	MO-SIM	matrix spike	6/20/2018	Nutrient	Phosphorus as P	Total	=	0.159	mg/L	EPA 365.1	0.0028	0.02			GB
2017/18-5	MO-SIM	matrix spike, rec	6/20/2018	Nutrient	Phosphorus as P	Total	=	136	%	EPA 365.1	-88	-88	90	110	GB
2017/18-5	MO-SIM	matrix spike dup	6/20/2018	Nutrient	Phosphorus as P	Total	=	0.135	mg/L	EPA 365.1	0.0028	0.02			GB
2017/18-5	MO-SIM	matrix spike dup, rec	6/20/2018	Nutrient	Phosphorus as P	Total	=	113	%	EPA 365.1	-88	-88	90	110	GB
2017/18-5	MO-SIM	matrix spike, RPD	6/20/2018	Nutrient	Phosphorus as P	Total	=	16	%	EPA 365.1	-88	-88	0	20	
2017/18-5	000NONPJ	lab duplicate	6/7/2018	Nutrient	TKN	n/a	=	0.485	mg/L	EPA 351.2	0.05	0.1		10	
2017/18-5	000NONPJ	matrix spike	6/7/2018	Nutrient	TKN	n/a	=	1.08	mg/L	EPA 351.2	0.05	0.1			
2017/18-5	000NONPJ	matrix spike	6/7/2018	Nutrient	TKN	n/a	=	1.1	mg/L	EPA 351.2	0.05	0.1			
2017/18-5	000NONPJ	matrix spike dup	6/7/2018	Nutrient	TKN	n/a	=	1.04	mg/L	EPA 351.2	0.05	0.1			
2017/18-5	000NONPJ	matrix spike dup	6/7/2018	Nutrient	TKN	n/a	=	1.09	mg/L	EPA 351.2	0.05	0.1			
2017/18-5	000NONPJ	matrix spike dup, rec	6/7/2018	Nutrient	TKN	n/a	=	104	%	EPA 351.2	-88	-88	90	110	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	000NONPJ	matrix spike dup, rec	6/7/2018	Nutrient	TKN	n/a	=	109	%	EPA 351.2	-88	-88	90	110	
2017/18-5	000NONPJ	matrix spike, rec	6/7/2018	Nutrient	TKN	n/a	=	108	%	EPA 351.2	-88	-88	90	110	
2017/18-5	000NONPJ	matrix spike, rec	6/7/2018	Nutrient	TKN	n/a	=	110	%	EPA 351.2	-88	-88	90	110	
2017/18-5	000NONPJ	matrix spike, RPD	6/7/2018	Nutrient	TKN	n/a	=	6	%	EPA 351.2	-88	-88	0	10	
2017/18-5	000NONPJ	matrix spike, RPD	6/7/2018	Nutrient	TKN	n/a	=	1	%	EPA 351.2	-88	-88	0	10	
2017/18-5	000NONPJ	matrix spike	6/14/2018	Nutrient	TKN	n/a	=	1.16	mg/L	EPA 351.2	0.05	0.1			
2017/18-5	000NONPJ	matrix spike	6/14/2018	Nutrient	TKN	n/a	=	1.21	mg/L	EPA 351.2	0.05	0.1			
2017/18-5	000NONPJ	matrix spike dup	6/14/2018	Nutrient	TKN	n/a	=	1.17	mg/L	EPA 351.2	0.05	0.1			
2017/18-5	000NONPJ	matrix spike dup	6/14/2018	Nutrient	TKN	n/a	=	1.23	mg/L	EPA 351.2	0.05	0.1			
2017/18-5	000NONPJ	matrix spike dup, rec	6/14/2018	Nutrient	TKN	n/a	=	103	%	EPA 351.2	-88	-88	90	110	
2017/18-5	000NONPJ	matrix spike dup, rec	6/14/2018	Nutrient	TKN	n/a	=	100	%	EPA 351.2	-88	-88	90	110	
2017/18-5	000NONPJ	matrix spike, rec	6/14/2018	Nutrient	TKN	n/a	=	100	%	EPA 351.2	-88	-88	90	110	
2017/18-5	000NONPJ	matrix spike, rec	6/14/2018	Nutrient	TKN	n/a	=	101	%	EPA 351.2	-88	-88	90	110	
2017/18-5	000NONPJ	matrix spike, RPD	6/14/2018	Nutrient	TKN	n/a	=	0.6	%	EPA 351.2	-88	-88	0	10	
2017/18-5	000NONPJ	matrix spike, RPD	6/14/2018	Nutrient	TKN	n/a	=	1	%	EPA 351.2	-88	-88	0	10	
2017/18-5	000NONPJ	lab duplicate	7/1/2018	Nutrient	TKN	n/a	=	0.315	mg/L	EPA 351.2	0.05	0.1		10	
2017/18-5	000NONPJ	matrix spike	7/1/2018	Nutrient	TKN	n/a	=	1.24	mg/L	EPA 351.2	0.05	0.1			
2017/18-5	000NONPJ	matrix spike	7/1/2018	Nutrient	TKN	n/a	=	1.2	mg/L	EPA 351.2	0.05	0.1			
2017/18-5	000NONPJ	matrix spike dup	7/1/2018	Nutrient	TKN	n/a	=	1.24	mg/L	EPA 351.2	0.05	0.1			
2017/18-5	000NONPJ	matrix spike dup	7/1/2018	Nutrient	TKN	n/a	=	1.2	mg/L	EPA 351.2	0.05	0.1			
2017/18-5	000NONPJ	matrix spike dup, rec	7/1/2018	Nutrient	TKN	n/a	=	109	%	EPA 351.2	-88	-88	90	110	
2017/18-5	000NONPJ	matrix spike dup, rec	7/1/2018	Nutrient	TKN	n/a	=	103	%	EPA 351.2	-88	-88	90	110	
2017/18-5	000NONPJ	matrix spike, rec	7/1/2018	Nutrient	TKN	n/a	=	106	%	EPA 351.2	-88	-88	90	110	
2017/18-5	000NONPJ	matrix spike, rec	7/1/2018	Nutrient	TKN	n/a	=	107	%	EPA 351.2	-88	-88	90	110	
2017/18-5	000NONPJ	matrix spike, RPD	7/1/2018	Nutrient	TKN	n/a	=	3	%	EPA 351.2	-88	-88	0	10	
2017/18-5	000NONPJ	matrix spike, RPD	7/1/2018	Nutrient	TKN	n/a	=	3	%	EPA 351.2	-88	-88	0	10	
2017/18-5	Lab	LCS	6/7/2018	Nutrient	TKN	n/a	=	1.04	mg/L	EPA 351.2	0.05	0.1			
2017/18-5	Lab	LCS	6/7/2018	Nutrient	TKN	n/a	=	1.06	mg/L	EPA 351.2	0.05	0.1			
2017/18-5	Lab	LCS, rec	6/7/2018	Nutrient	TKN	n/a	=	106	%	EPA 351.2	-88	-88	90	110	
2017/18-5	Lab	LCS, rec	6/7/2018	Nutrient	TKN	n/a	=	104	%	EPA 351.2	-88	-88	90	110	
2017/18-5	Lab	method blank	6/7/2018	Nutrient	TKN	n/a	<	0.05	mg/L	EPA 351.2	0.05	0.1			
2017/18-5	Lab	method blank	6/7/2018	Nutrient	TKN	n/a	<	0.05	mg/L	EPA 351.2	0.05	0.1			
2017/18-5	Lab	LCS	6/14/2018	Nutrient	TKN	n/a	=	0.995	mg/L	EPA 351.2	0.05	0.1			
2017/18-5	Lab	LCS	6/14/2018	Nutrient	TKN	n/a	=	1	mg/L	EPA 351.2	0.05	0.1			
2017/18-5	Lab	LCS, rec	6/14/2018	Nutrient	TKN	n/a	=	100	%	EPA 351.2	-88	-88	90	110	
2017/18-5	Lab	LCS, rec	6/14/2018	Nutrient	TKN	n/a	=	100	%	EPA 351.2	-88	-88	90	110	
2017/18-5	Lab	method blank	6/14/2018	Nutrient	TKN	n/a	<	0.05	mg/L	EPA 351.2	0.05	0.1			
2017/18-5	Lab	method blank	6/14/2018	Nutrient	TKN	n/a	<	0.05	mg/L	EPA 351.2	0.05	0.1			
2017/18-5	Lab	LCS	7/1/2018	Nutrient	TKN	n/a	=	1.03	mg/L	EPA 351.2	0.05	0.1			
2017/18-5	Lab	LCS	7/1/2018	Nutrient	TKN	n/a	=	1.07	mg/L	EPA 351.2	0.05	0.1			
2017/18-5	Lab	LCS, rec	7/1/2018	Nutrient	TKN	n/a	=	107	%	EPA 351.2	-88	-88	90	110	
2017/18-5	Lab	LCS, rec	7/1/2018	Nutrient	TKN	n/a	=	103	%	EPA 351.2	-88	-88	90	110	
2017/18-5	Lab	method blank	7/1/2018	Nutrient	TKN	n/a	<	0.05	mg/L	EPA 351.2	0.05	0.1			
2017/18-5	Lab	method blank	7/1/2018	Nutrient	TKN	n/a	<	0.05	mg/L	EPA 351.2	0.05	0.1			
2017/18-5	Lab	method blank	6/8/2018	Organic	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1			
2017/18-5	Lab	LCS	6/8/2018	Organic	1,2,4-Trichlorobenzene	n/a	=	17.9	µg/L	EPA 625	0.55	1			
2017/18-5	Lab	LCS, rec	6/8/2018	Organic	1,2,4-Trichlorobenzene	n/a	=	72	%	EPA 625	-88	-88	44	142	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	LCS dup	6/8/2018	Organic	1,2,4-Trichlorobenzene	n/a	=	17.5	µg/L	EPA 625	0.55	1			
2017/18-5	Lab	LCS dup, rec	6/8/2018	Organic	1,2,4-Trichlorobenzene	n/a	=	70	%	EPA 625	-88	-88	44	142	
2017/18-5	Lab	LCS, RPD	6/8/2018	Organic	1,2,4-Trichlorobenzene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/19/2018	Organic	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1			
2017/18-5	Lab	LCS	6/19/2018	Organic	1,2,4-Trichlorobenzene	n/a	=	14.6	µg/L	EPA 625	0.55	1			
2017/18-5	Lab	LCS, rec	6/19/2018	Organic	1,2,4-Trichlorobenzene	n/a	=	59	%	EPA 625	-88	-88	44	142	
2017/18-5	Lab	LCS dup	6/19/2018	Organic	1,2,4-Trichlorobenzene	n/a	=	15.5	µg/L	EPA 625	0.55	1			
2017/18-5	Lab	LCS dup, rec	6/19/2018	Organic	1,2,4-Trichlorobenzene	n/a	=	62	%	EPA 625	-88	-88	44	142	
2017/18-5	Lab	LCS, RPD	6/19/2018	Organic	1,2,4-Trichlorobenzene	n/a	=	6	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/28/2018	Organic	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1			
2017/18-5	Lab	LCS	6/28/2018	Organic	1,2,4-Trichlorobenzene	n/a	=	19.1	µg/L	EPA 625	0.55	1			
2017/18-5	Lab	LCS, rec	6/28/2018	Organic	1,2,4-Trichlorobenzene	n/a	=	76	%	EPA 625	-88	-88	44	142	
2017/18-5	Lab	LCS dup	6/28/2018	Organic	1,2,4-Trichlorobenzene	n/a	=	14.8	µg/L	EPA 625	0.55	1			
2017/18-5	Lab	LCS dup, rec	6/28/2018	Organic	1,2,4-Trichlorobenzene	n/a	=	59	%	EPA 625	-88	-88	44	142	
2017/18-5	Lab	LCS, RPD	6/28/2018	Organic	1,2,4-Trichlorobenzene	n/a	=	26	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/8/2018	Organic	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1			
2017/18-5	Lab	LCS	6/8/2018	Organic	1,2-Dichlorobenzene	n/a	=	17.8	µg/L	EPA 625	0.57	1			
2017/18-5	Lab	LCS, rec	6/8/2018	Organic	1,2-Dichlorobenzene	n/a	=	71	%	EPA 625	-88	-88	32	129	
2017/18-5	Lab	LCS dup	6/8/2018	Organic	1,2-Dichlorobenzene	n/a	=	17.2	µg/L	EPA 625	0.57	1			
2017/18-5	Lab	LCS dup, rec	6/8/2018	Organic	1,2-Dichlorobenzene	n/a	=	69	%	EPA 625	-88	-88	32	129	
2017/18-5	Lab	LCS, RPD	6/8/2018	Organic	1,2-Dichlorobenzene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/19/2018	Organic	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1			
2017/18-5	Lab	LCS	6/19/2018	Organic	1,2-Dichlorobenzene	n/a	=	14.4	µg/L	EPA 625	0.57	1			
2017/18-5	Lab	LCS, rec	6/19/2018	Organic	1,2-Dichlorobenzene	n/a	=	57	%	EPA 625	-88	-88	32	129	
2017/18-5	Lab	LCS dup	6/19/2018	Organic	1,2-Dichlorobenzene	n/a	=	15	µg/L	EPA 625	0.57	1			
2017/18-5	Lab	LCS dup, rec	6/19/2018	Organic	1,2-Dichlorobenzene	n/a	=	60	%	EPA 625	-88	-88	32	129	
2017/18-5	Lab	LCS, RPD	6/19/2018	Organic	1,2-Dichlorobenzene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/28/2018	Organic	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1			
2017/18-5	Lab	LCS	6/28/2018	Organic	1,2-Dichlorobenzene	n/a	=	18.7	µg/L	EPA 625	0.57	1			
2017/18-5	Lab	LCS, rec	6/28/2018	Organic	1,2-Dichlorobenzene	n/a	=	75	%	EPA 625	-88	-88	32	129	
2017/18-5	Lab	LCS dup	6/28/2018	Organic	1,2-Dichlorobenzene	n/a	=	14.4	µg/L	EPA 625	0.57	1			
2017/18-5	Lab	LCS dup, rec	6/28/2018	Organic	1,2-Dichlorobenzene	n/a	=	58	%	EPA 625	-88	-88	32	129	
2017/18-5	Lab	LCS, RPD	6/28/2018	Organic	1,2-Dichlorobenzene	n/a	=	26	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	srgt LCS	6/4/2018	Organic	1,2-Dichloroethane-d4	n/a	=	50.7	µg/L	EPA 624	-88	-88			
2017/18-5	Lab	srgt LCS, rec	6/4/2018	Organic	1,2-Dichloroethane-d4	n/a	=	101	%	EPA 624	-88	-88	82	125	
2017/18-5	Lab	srgt LCS dup	6/4/2018	Organic	1,2-Dichloroethane-d4	n/a	=	50.5	µg/L	EPA 624	-88	-88			
2017/18-5	Lab	srgt LCS dup, rec	6/4/2018	Organic	1,2-Dichloroethane-d4	n/a	=	101	%	EPA 624	-88	-88	82	125	
2017/18-5	Lab	srgt method blank	6/4/2018	Organic	1,2-Dichloroethane-d4	n/a	=	46.8	µg/L	EPA 624	-88	-88			
2017/18-5	Lab	srgt method blank, rec	6/4/2018	Organic	1,2-Dichloroethane-d4	n/a	=	94	%	EPA 624	-88	-88	82	125	
2017/18-5	Lab	srgt LCS	6/5/2018	Organic	1,2-Dichloroethane-d4	n/a	=	51.2	µg/L	EPA 624	-88	-88			
2017/18-5	Lab	srgt LCS, rec	6/5/2018	Organic	1,2-Dichloroethane-d4	n/a	=	102	%	EPA 624	-88	-88	82	125	
2017/18-5	Lab	srgt LCS dup	6/5/2018	Organic	1,2-Dichloroethane-d4	n/a	=	50.5	µg/L	EPA 624	-88	-88			
2017/18-5	Lab	srgt LCS dup, rec	6/5/2018	Organic	1,2-Dichloroethane-d4	n/a	=	101	%	EPA 624	-88	-88	82	125	
2017/18-5	Lab	srgt method blank	6/5/2018	Organic	1,2-Dichloroethane-d4	n/a	=	47.4	µg/L	EPA 624	-88	-88			
2017/18-5	Lab	srgt method blank, rec	6/5/2018	Organic	1,2-Dichloroethane-d4	n/a	=	95	%	EPA 624	-88	-88	82	125	
2017/18-5	Lab	srgt LCS	6/11/2018	Organic	1,2-Dichloroethane-d4	n/a	=	50	µg/L	EPA 624	-88	-88			
2017/18-5	Lab	srgt LCS, rec	6/11/2018	Organic	1,2-Dichloroethane-d4	n/a	=	100	%	EPA 624	-88	-88	82	125	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	srgt LCS dup	6/11/2018	Organic	1,2-Dichloroethane-d4	n/a	=	51.6	µg/L	EPA 624	-88	-88			
2017/18-5	Lab	srgt LCS dup, rec	6/11/2018	Organic	1,2-Dichloroethane-d4	n/a	=	103	%	EPA 624	-88	-88	82	125	
2017/18-5	Lab	srgt method blank	6/11/2018	Organic	1,2-Dichloroethane-d4	n/a	=	48.4	µg/L	EPA 624	-88	-88			
2017/18-5	Lab	srgt method blank, rec	6/11/2018	Organic	1,2-Dichloroethane-d4	n/a	=	97	%	EPA 624	-88	-88	82	125	
2017/18-5	Lab	srgt LCS	6/25/2018	Organic	1,2-Dichloroethane-d4	n/a	=	48.6	µg/L	EPA 624	-88	-88			
2017/18-5	Lab	srgt LCS, rec	6/25/2018	Organic	1,2-Dichloroethane-d4	n/a	=	97	%	EPA 624	-88	-88	82	125	
2017/18-5	Lab	srgt LCS dup	6/25/2018	Organic	1,2-Dichloroethane-d4	n/a	=	48.1	µg/L	EPA 624	-88	-88			
2017/18-5	Lab	srgt LCS dup, rec	6/25/2018	Organic	1,2-Dichloroethane-d4	n/a	=	96	%	EPA 624	-88	-88	82	125	
2017/18-5	Lab	srgt method blank	6/25/2018	Organic	1,2-Dichloroethane-d4	n/a	=	50.6	µg/L	EPA 624	-88	-88			
2017/18-5	Lab	srgt method blank, rec	6/25/2018	Organic	1,2-Dichloroethane-d4	n/a	=	101	%	EPA 624	-88	-88	82	125	
2017/18-5	ME-CC	srgt environ	6/4/2018	Organic	1,2-Dichloroethane-d4	n/a	=	48.8	µg/L	EPA 624	-88	-88			
2017/18-5	ME-CC	srgt environ, rec	6/4/2018	Organic	1,2-Dichloroethane-d4	n/a	=	98	%	EPA 624	-88	-88	82	125	
2017/18-5	ME-SCR	srgt environ	6/11/2018	Organic	1,2-Dichloroethane-d4	n/a	=	51.3	µg/L	EPA 624	-88	-88			
2017/18-5	ME-SCR	srgt environ, rec	6/11/2018	Organic	1,2-Dichloroethane-d4	n/a	=	103	%	EPA 624	-88	-88	82	125	
2017/18-5	ME-VR2	srgt environ	6/26/2018	Organic	1,2-Dichloroethane-d4	n/a	=	53.7	µg/L	EPA 624	-88	-88			
2017/18-5	ME-VR2	srgt environ, rec	6/26/2018	Organic	1,2-Dichloroethane-d4	n/a	=	107	%	EPA 624	-88	-88	82	125	
2017/18-5	MO-CAM	srgt environ	6/4/2018	Organic	1,2-Dichloroethane-d4	n/a	=	53.9	µg/L	EPA 624	-88	-88			
2017/18-5	MO-CAM	srgt environ, rec	6/4/2018	Organic	1,2-Dichloroethane-d4	n/a	=	108	%	EPA 624	-88	-88	82	125	
2017/18-5	MO-FIL	srgt environ	6/11/2018	Organic	1,2-Dichloroethane-d4	n/a	=	50	µg/L	EPA 624	-88	-88			
2017/18-5	MO-FIL	srgt environ, rec	6/11/2018	Organic	1,2-Dichloroethane-d4	n/a	=	100	%	EPA 624	-88	-88	82	125	
2017/18-5	MO-HUE	srgt environ	6/5/2018	Organic	1,2-Dichloroethane-d4	n/a	=	49.3	µg/L	EPA 624	-88	-88			
2017/18-5	MO-HUE	srgt environ, rec	6/5/2018	Organic	1,2-Dichloroethane-d4	n/a	=	99	%	EPA 624	-88	-88	82	125	
2017/18-5	MO-OJA	srgt environ	6/26/2018	Organic	1,2-Dichloroethane-d4	n/a	=	55.9	µg/L	EPA 624	-88	-88			
2017/18-5	MO-OJA	srgt environ, rec	6/26/2018	Organic	1,2-Dichloroethane-d4	n/a	=	112	%	EPA 624	-88	-88	82	125	
2017/18-5	MO-SIM	srgt environ	6/4/2018	Organic	1,2-Dichloroethane-d4	n/a	=	48.3	µg/L	EPA 624	-88	-88			
2017/18-5	MO-SIM	srgt environ, rec	6/4/2018	Organic	1,2-Dichloroethane-d4	n/a	=	97	%	EPA 624	-88	-88	82	125	
2017/18-5	MO-THO	srgt environ	6/5/2018	Organic	1,2-Dichloroethane-d4	n/a	=	47.9	µg/L	EPA 624	-88	-88			
2017/18-5	MO-THO	srgt environ, rec	6/5/2018	Organic	1,2-Dichloroethane-d4	n/a	=	96	%	EPA 624	-88	-88	82	125	
2017/18-5	MO-VEN	srgt environ	6/11/2018	Organic	1,2-Dichloroethane-d4	n/a	=	50.4	µg/L	EPA 624	-88	-88			
2017/18-5	MO-VEN	srgt environ, rec	6/11/2018	Organic	1,2-Dichloroethane-d4	n/a	=	101	%	EPA 624	-88	-88	82	125	
2017/18-5	Lab	method blank	6/8/2018	Organic	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2017/18-5	Lab	method blank	6/19/2018	Organic	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2017/18-5	Lab	method blank	6/28/2018	Organic	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2017/18-5	Lab	method blank	6/8/2018	Organic	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1			
2017/18-5	Lab	LCS	6/8/2018	Organic	1,3-Dichlorobenzene	n/a	=	17.1	µg/L	EPA 625	0.53	1			
2017/18-5	Lab	LCS, rec	6/8/2018	Organic	1,3-Dichlorobenzene	n/a	=	68	%	EPA 625	-88	-88	0.1	172	
2017/18-5	Lab	LCS dup	6/8/2018	Organic	1,3-Dichlorobenzene	n/a	=	16.5	µg/L	EPA 625	0.53	1			
2017/18-5	Lab	LCS dup, rec	6/8/2018	Organic	1,3-Dichlorobenzene	n/a	=	66	%	EPA 625	-88	-88	0.1	172	
2017/18-5	Lab	LCS, RPD	6/8/2018	Organic	1,3-Dichlorobenzene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/19/2018	Organic	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1			
2017/18-5	Lab	LCS	6/19/2018	Organic	1,3-Dichlorobenzene	n/a	=	13.4	µg/L	EPA 625	0.53	1			
2017/18-5	Lab	LCS, rec	6/19/2018	Organic	1,3-Dichlorobenzene	n/a	=	54	%	EPA 625	-88	-88	0.1	172	
2017/18-5	Lab	LCS dup	6/19/2018	Organic	1,3-Dichlorobenzene	n/a	=	14.3	µg/L	EPA 625	0.53	1			
2017/18-5	Lab	LCS dup, rec	6/19/2018	Organic	1,3-Dichlorobenzene	n/a	=	57	%	EPA 625	-88	-88	0.1	172	
2017/18-5	Lab	LCS, RPD	6/19/2018	Organic	1,3-Dichlorobenzene	n/a	=	6	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/28/2018	Organic	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1			
2017/18-5	Lab	LCS	6/28/2018	Organic	1,3-Dichlorobenzene	n/a	=	18	µg/L	EPA 625	0.53	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	LCS, rec	6/28/2018	Organic	1,3-Dichlorobenzene	n/a	=	72	%	EPA 625	-88	-88	0.1	172	
2017/18-5	Lab	LCS dup	6/28/2018	Organic	1,3-Dichlorobenzene	n/a	=	13.7	µg/L	EPA 625	0.53	1			
2017/18-5	Lab	LCS dup, rec	6/28/2018	Organic	1,3-Dichlorobenzene	n/a	=	55	%	EPA 625	-88	-88	0.1	172	
2017/18-5	Lab	LCS, RPD	6/28/2018	Organic	1,3-Dichlorobenzene	n/a	=	27	%	EPA 625	-88	-88	0	30	
2017/18-5	000NONPJ	srgt matrix spike	7/3/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.456	µg/L	EPA 525.2m	-88	-88			
2017/18-5	000NONPJ	srgt matrix spike, rec	7/3/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	91	%	EPA 525.2m	-88	-88	76	128	
2017/18-5	000NONPJ	srgt matrix spike dup	7/3/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.481	µg/L	EPA 525.2m	-88	-88			
2017/18-5	000NONPJ	srgt matrix spike dup, rec	7/3/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	96	%	EPA 525.2m	-88	-88	76	128	
2017/18-5	Lab	srgt method blank	6/6/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.87	µg/L	EPA 525.2	-88	-88			
2017/18-5	Lab	srgt method blank, rec	6/6/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	97	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	srgt LCS	6/6/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.86	µg/L	EPA 525.2	-88	-88			
2017/18-5	Lab	srgt LCS, rec	6/6/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	97	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	srgt LCS dup	6/6/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.08	µg/L	EPA 525.2	-88	-88			
2017/18-5	Lab	srgt LCS dup, rec	6/6/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	102	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	srgt method blank	6/13/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.448	µg/L	EPA 525.2m	-88	-88			
2017/18-5	Lab	srgt method blank, rec	6/13/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	90	%	EPA 525.2m	-88	-88	76	128	
2017/18-5	Lab	srgt LCS	6/13/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.459	µg/L	EPA 525.2m	-88	-88			
2017/18-5	Lab	srgt LCS, rec	6/13/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	92	%	EPA 525.2m	-88	-88	76	128	
2017/18-5	Lab	srgt method blank	6/14/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.98	µg/L	EPA 525.2	-88	-88			
2017/18-5	Lab	srgt method blank, rec	6/14/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	100	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	srgt LCS	6/14/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.61	µg/L	EPA 525.2	-88	-88			
2017/18-5	Lab	srgt LCS, rec	6/14/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	92	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	srgt LCS dup	6/14/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.95	µg/L	EPA 525.2	-88	-88			
2017/18-5	Lab	srgt LCS dup, rec	6/14/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	99	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	srgt method blank	6/18/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.51	µg/L	EPA 525.2m	-88	-88			
2017/18-5	Lab	srgt method blank, rec	6/18/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	102	%	EPA 525.2m	-88	-88	76	128	
2017/18-5	Lab	srgt LCS	6/18/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.484	µg/L	EPA 525.2m	-88	-88			
2017/18-5	Lab	srgt LCS, rec	6/18/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	97	%	EPA 525.2m	-88	-88	76	128	
2017/18-5	Lab	srgt LCS dup	6/18/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.478	µg/L	EPA 525.2m	-88	-88			
2017/18-5	Lab	srgt LCS dup, rec	6/18/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	96	%	EPA 525.2m	-88	-88	76	128	
2017/18-5	Lab	srgt method blank	6/29/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.9	µg/L	EPA 525.2	-88	-88			
2017/18-5	Lab	srgt method blank, rec	6/29/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	98	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	srgt LCS	6/29/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.57	µg/L	EPA 525.2	-88	-88			
2017/18-5	Lab	srgt LCS, rec	6/29/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	91	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	srgt LCS dup	6/29/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.79	µg/L	EPA 525.2	-88	-88			
2017/18-5	Lab	srgt LCS dup, rec	6/29/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	96	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	srgt method blank	7/2/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.94	µg/L	EPA 525.2	-88	-88			
2017/18-5	Lab	srgt method blank, rec	7/2/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	99	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	srgt LCS	7/2/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.67	µg/L	EPA 525.2	-88	-88			
2017/18-5	Lab	srgt LCS, rec	7/2/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	93	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	srgt LCS dup	7/2/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.82	µg/L	EPA 525.2	-88	-88			
2017/18-5	Lab	srgt LCS dup, rec	7/2/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	96	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	srgt method blank	7/3/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.458	µg/L	EPA 525.2m	-88	-88			
2017/18-5	Lab	srgt method blank, rec	7/3/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	92	%	EPA 525.2m	-88	-88	76	128	
2017/18-5	Lab	srgt LCS	7/3/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.47	µg/L	EPA 525.2m	-88	-88			
2017/18-5	Lab	srgt LCS, rec	7/3/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	94	%	EPA 525.2m	-88	-88	76	128	
2017/18-5	ME-CC	srgt environ	6/7/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.18	µg/L	EPA 525.2	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	ME-CC	srgt environ, rec	6/7/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	104	%	EPA 525.2	-88	-88	70	130	
2017/18-5	ME-CC	srgt matrix spike dup	6/13/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.415	µg/L	EPA 525.2m	-88	-88			
2017/18-5	ME-CC	srgt matrix spike dup, rec	6/13/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	83	%	EPA 525.2m	-88	-88	76	128	
2017/18-5	ME-CC	srgt matrix spike	6/13/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.432	µg/L	EPA 525.2m	-88	-88			
2017/18-5	ME-CC	srgt matrix spike, rec	6/13/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	86	%	EPA 525.2m	-88	-88	76	128	
2017/18-5	ME-CC	srgt environ	6/13/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.45	µg/L	EPA 525.2m	-88	-88			
2017/18-5	ME-CC	srgt environ, rec	6/13/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	90	%	EPA 525.2m	-88	-88	76	128	
2017/18-5	ME-SCR	srgt environ	6/13/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.481	µg/L	EPA 525.2m	-88	-88			
2017/18-5	ME-SCR	srgt environ, rec	6/13/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	96	%	EPA 525.2m	-88	-88	76	128	
2017/18-5	ME-SCR	srgt environ	6/14/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.02	µg/L	EPA 525.2	-88	-88			
2017/18-5	ME-SCR	srgt environ, rec	6/14/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	100	%	EPA 525.2	-88	-88	70	130	
2017/18-5	ME-VR2	srgt environ	6/29/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.42	µg/L	EPA 525.2	-88	-88			
2017/18-5	ME-VR2	srgt environ, rec	6/29/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	108	%	EPA 525.2	-88	-88	70	130	
2017/18-5	ME-VR2	srgt environ	7/3/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.498	µg/L	EPA 525.2m	-88	-88			
2017/18-5	ME-VR2	srgt environ, rec	7/3/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	100	%	EPA 525.2m	-88	-88	76	128	
2017/18-5	MO-CAM	srgt environ	6/7/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.49	µg/L	EPA 525.2	-88	-88			
2017/18-5	MO-CAM	srgt environ, rec	6/7/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	110	%	EPA 525.2	-88	-88	70	130	
2017/18-5	MO-CAM	srgt environ	6/18/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.506	µg/L	EPA 525.2m	-88	-88			H
2017/18-5	MO-CAM	srgt environ, rec	6/18/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	101	%	EPA 525.2m	-88	-88	76	128	H
2017/18-5	MO-FIL	srgt environ	6/13/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.534	µg/L	EPA 525.2m	-88	-88			
2017/18-5	MO-FIL	srgt environ, rec	6/13/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	107	%	EPA 525.2m	-88	-88	76	128	
2017/18-5	MO-FIL	srgt environ	6/14/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.46	µg/L	EPA 525.2	-88	-88			
2017/18-5	MO-FIL	srgt environ, rec	6/14/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	109	%	EPA 525.2	-88	-88	70	130	
2017/18-5	MO-HUE	srgt environ	6/7/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	8.5	µg/L	EPA 525.2	-88	-88			GN
2017/18-5	MO-HUE	srgt environ, rec	6/7/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	170	%	EPA 525.2	-88	-88	70	130	GN
2017/18-5	MO-HUE	srgt environ	6/14/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.676	µg/L	EPA 525.2m	-88	-88			GN
2017/18-5	MO-HUE	srgt environ, rec	6/14/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	135	%	EPA 525.2m	-88	-88	76	128	GN
2017/18-5	MO-OJA	srgt environ	6/29/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.97	µg/L	EPA 525.2	-88	-88			
2017/18-5	MO-OJA	srgt environ, rec	6/29/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	99	%	EPA 525.2	-88	-88	70	130	
2017/18-5	MO-OJA	srgt environ	7/3/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.441	µg/L	EPA 525.2m	-88	-88			
2017/18-5	MO-OJA	srgt environ, rec	7/3/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	88	%	EPA 525.2m	-88	-88	76	128	
2017/18-5	MO-SIM	srgt environ	6/7/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.65	µg/L	EPA 525.2	-88	-88			
2017/18-5	MO-SIM	srgt environ, rec	6/7/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	113	%	EPA 525.2	-88	-88	70	130	
2017/18-5	MO-SIM	srgt environ	6/13/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.479	µg/L	EPA 525.2m	-88	-88			
2017/18-5	MO-SIM	srgt environ, rec	6/13/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	96	%	EPA 525.2m	-88	-88	76	128	
2017/18-5	MO-THO	srgt environ	6/7/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	6.03	µg/L	EPA 525.2	-88	-88			
2017/18-5	MO-THO	srgt environ, rec	6/7/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	121	%	EPA 525.2	-88	-88	70	130	
2017/18-5	MO-THO	srgt environ	6/13/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.494	µg/L	EPA 525.2m	-88	-88			
2017/18-5	MO-THO	srgt environ, rec	6/13/2018	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	99	%	EPA 525.2m	-88	-88	76	128	
2017/18-5	Lab	method blank	6/8/2018	Organic	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1			
2017/18-5	Lab	LCS	6/8/2018	Organic	1,4-Dichlorobenzene	n/a	=	17.3	µg/L	EPA 625	0.55	1			
2017/18-5	Lab	LCS, rec	6/8/2018	Organic	1,4-Dichlorobenzene	n/a	=	69	%	EPA 625	-88	-88	20	124	
2017/18-5	Lab	LCS dup	6/8/2018	Organic	1,4-Dichlorobenzene	n/a	=	16.4	µg/L	EPA 625	0.55	1			
2017/18-5	Lab	LCS dup, rec	6/8/2018	Organic	1,4-Dichlorobenzene	n/a	=	65	%	EPA 625	-88	-88	20	124	
2017/18-5	Lab	LCS, RPD	6/8/2018	Organic	1,4-Dichlorobenzene	n/a	=	5	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/19/2018	Organic	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1			
2017/18-5	Lab	LCS	6/19/2018	Organic	1,4-Dichlorobenzene	n/a	=	14	µg/L	EPA 625	0.55	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	LCS, rec	6/19/2018	Organic	1,4-Dichlorobenzene	n/a	=	56	%	EPA 625	-88	-88	20	124	
2017/18-5	Lab	LCS dup	6/19/2018	Organic	1,4-Dichlorobenzene	n/a	=	14.6	µg/L	EPA 625	0.55	1			
2017/18-5	Lab	LCS dup, rec	6/19/2018	Organic	1,4-Dichlorobenzene	n/a	=	58	%	EPA 625	-88	-88	20	124	
2017/18-5	Lab	LCS, RPD	6/19/2018	Organic	1,4-Dichlorobenzene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/28/2018	Organic	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1			
2017/18-5	Lab	LCS	6/28/2018	Organic	1,4-Dichlorobenzene	n/a	=	18.7	µg/L	EPA 625	0.55	1			
2017/18-5	Lab	LCS, rec	6/28/2018	Organic	1,4-Dichlorobenzene	n/a	=	75	%	EPA 625	-88	-88	20	124	
2017/18-5	Lab	LCS dup	6/28/2018	Organic	1,4-Dichlorobenzene	n/a	=	14.1	µg/L	EPA 625	0.55	1			
2017/18-5	Lab	LCS dup, rec	6/28/2018	Organic	1,4-Dichlorobenzene	n/a	=	56	%	EPA 625	-88	-88	20	124	
2017/18-5	Lab	LCS, RPD	6/28/2018	Organic	1,4-Dichlorobenzene	n/a	=	28	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/13/2018	Organic	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	method blank	6/14/2018	Organic	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	method blank	7/3/2018	Organic	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	method blank	6/12/2018	Organic	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1			
2017/18-5	Lab	method blank	6/19/2018	Organic	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1			
2017/18-5	Lab	method blank	7/3/2018	Organic	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1			
2017/18-5	Lab	srgt method blank	6/8/2018	Organic	2,4,6-Tribromophenol	n/a	=	37.8	µg/L	EPA 625	-88	-88			
2017/18-5	Lab	srgt method blank, rec	6/8/2018	Organic	2,4,6-Tribromophenol	n/a	=	76	%	EPA 625	-88	-88	25	102	
2017/18-5	Lab	srgt LCS	6/8/2018	Organic	2,4,6-Tribromophenol	n/a	=	40.3	µg/L	EPA 625	-88	-88			
2017/18-5	Lab	srgt LCS, rec	6/8/2018	Organic	2,4,6-Tribromophenol	n/a	=	81	%	EPA 625	-88	-88	25	102	
2017/18-5	Lab	srgt LCS dup	6/8/2018	Organic	2,4,6-Tribromophenol	n/a	=	41.7	µg/L	EPA 625	-88	-88			
2017/18-5	Lab	srgt LCS dup, rec	6/8/2018	Organic	2,4,6-Tribromophenol	n/a	=	83	%	EPA 625	-88	-88	25	102	
2017/18-5	Lab	srgt method blank	6/12/2018	Organic	2,4,6-Tribromophenol	n/a	=	6.89	µg/L	EPA 8270C	-88	-88			
2017/18-5	Lab	srgt method blank, rec	6/12/2018	Organic	2,4,6-Tribromophenol	n/a	=	69	%	EPA 8270C	-88	-88	26	117	
2017/18-5	Lab	srgt LCS	6/12/2018	Organic	2,4,6-Tribromophenol	n/a	=	9.05	µg/L	EPA 8270C	-88	-88			
2017/18-5	Lab	srgt LCS, rec	6/12/2018	Organic	2,4,6-Tribromophenol	n/a	=	91	%	EPA 8270C	-88	-88	26	117	
2017/18-5	Lab	srgt LCS dup	6/12/2018	Organic	2,4,6-Tribromophenol	n/a	=	8.27	µg/L	EPA 8270C	-88	-88			
2017/18-5	Lab	srgt LCS dup, rec	6/12/2018	Organic	2,4,6-Tribromophenol	n/a	=	83	%	EPA 8270C	-88	-88	26	117	
2017/18-5	Lab	srgt method blank	6/18/2018	Organic	2,4,6-Tribromophenol	n/a	=	6.37	µg/L	EPA 8270C	-88	-88			
2017/18-5	Lab	srgt method blank, rec	6/18/2018	Organic	2,4,6-Tribromophenol	n/a	=	64	%	EPA 8270C	-88	-88	26	117	
2017/18-5	Lab	srgt LCS	6/18/2018	Organic	2,4,6-Tribromophenol	n/a	=	7.75	µg/L	EPA 8270C	-88	-88			
2017/18-5	Lab	srgt LCS, rec	6/18/2018	Organic	2,4,6-Tribromophenol	n/a	=	77	%	EPA 8270C	-88	-88	26	117	
2017/18-5	Lab	srgt LCS dup	6/18/2018	Organic	2,4,6-Tribromophenol	n/a	=	7.09	µg/L	EPA 8270C	-88	-88			
2017/18-5	Lab	srgt LCS dup, rec	6/18/2018	Organic	2,4,6-Tribromophenol	n/a	=	71	%	EPA 8270C	-88	-88	26	117	
2017/18-5	Lab	srgt method blank	6/19/2018	Organic	2,4,6-Tribromophenol	n/a	=	5.85	µg/L	EPA 8270C	-88	-88			
2017/18-5	Lab	srgt method blank, rec	6/19/2018	Organic	2,4,6-Tribromophenol	n/a	=	59	%	EPA 8270C	-88	-88	26	117	
2017/18-5	Lab	srgt LCS	6/19/2018	Organic	2,4,6-Tribromophenol	n/a	=	7.95	µg/L	EPA 8270C	-88	-88			
2017/18-5	Lab	srgt LCS, rec	6/19/2018	Organic	2,4,6-Tribromophenol	n/a	=	79	%	EPA 8270C	-88	-88	26	117	
2017/18-5	Lab	srgt LCS dup	6/19/2018	Organic	2,4,6-Tribromophenol	n/a	=	7.85	µg/L	EPA 8270C	-88	-88			
2017/18-5	Lab	srgt LCS dup, rec	6/19/2018	Organic	2,4,6-Tribromophenol	n/a	=	78	%	EPA 8270C	-88	-88	26	117	
2017/18-5	Lab	srgt method blank	6/19/2018	Organic	2,4,6-Tribromophenol	n/a	=	29.4	µg/L	EPA 625	-88	-88			
2017/18-5	Lab	srgt method blank, rec	6/19/2018	Organic	2,4,6-Tribromophenol	n/a	=	59	%	EPA 625	-88	-88	25	102	
2017/18-5	Lab	srgt LCS	6/19/2018	Organic	2,4,6-Tribromophenol	n/a	=	33.3	µg/L	EPA 625	-88	-88			
2017/18-5	Lab	srgt LCS, rec	6/19/2018	Organic	2,4,6-Tribromophenol	n/a	=	67	%	EPA 625	-88	-88	25	102	
2017/18-5	Lab	srgt LCS dup	6/19/2018	Organic	2,4,6-Tribromophenol	n/a	=	36.5	µg/L	EPA 625	-88	-88			
2017/18-5	Lab	srgt LCS dup, rec	6/19/2018	Organic	2,4,6-Tribromophenol	n/a	=	73	%	EPA 625	-88	-88	25	102	
2017/18-5	Lab	srgt method blank	6/28/2018	Organic	2,4,6-Tribromophenol	n/a	=	30.2	µg/L	EPA 625	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	srgt method blank, rec	6/28/2018	Organic	2,4,6-Tribromophenol	n/a	=	60	%	EPA 625	-88	-88	25	102	
2017/18-5	Lab	srgt LCS	6/28/2018	Organic	2,4,6-Tribromophenol	n/a	=	36.7	µg/L	EPA 625	-88	-88			
2017/18-5	Lab	srgt LCS, rec	6/28/2018	Organic	2,4,6-Tribromophenol	n/a	=	73	%	EPA 625	-88	-88	25	102	
2017/18-5	Lab	srgt LCS dup	6/28/2018	Organic	2,4,6-Tribromophenol	n/a	=	29.8	µg/L	EPA 625	-88	-88			
2017/18-5	Lab	srgt LCS dup, rec	6/28/2018	Organic	2,4,6-Tribromophenol	n/a	=	60	%	EPA 625	-88	-88	25	102	
2017/18-5	Lab	srgt method blank	7/3/2018	Organic	2,4,6-Tribromophenol	n/a	=	5.77	µg/L	EPA 8270C	-88	-88			
2017/18-5	Lab	srgt method blank, rec	7/3/2018	Organic	2,4,6-Tribromophenol	n/a	=	58	%	EPA 8270C	-88	-88	26	117	
2017/18-5	Lab	srgt LCS	7/3/2018	Organic	2,4,6-Tribromophenol	n/a	=	7.69	µg/L	EPA 8270C	-88	-88			
2017/18-5	Lab	srgt LCS, rec	7/3/2018	Organic	2,4,6-Tribromophenol	n/a	=	77	%	EPA 8270C	-88	-88	26	117	
2017/18-5	Lab	srgt LCS dup	7/3/2018	Organic	2,4,6-Tribromophenol	n/a	=	6.42	µg/L	EPA 8270C	-88	-88			
2017/18-5	Lab	srgt LCS dup, rec	7/3/2018	Organic	2,4,6-Tribromophenol	n/a	=	64	%	EPA 8270C	-88	-88	26	117	
2017/18-5	ME-CC	srgt environ	6/8/2018	Organic	2,4,6-Tribromophenol	n/a	=	39.5	µg/L	EPA 625	-88	-88			
2017/18-5	ME-CC	srgt environ, rec	6/8/2018	Organic	2,4,6-Tribromophenol	n/a	=	79	%	EPA 625	-88	-88	25	102	
2017/18-5	ME-CC	srgt environ	6/12/2018	Organic	2,4,6-Tribromophenol	n/a	=	8.5	µg/L	EPA 8270C	-88	-88			
2017/18-5	ME-CC	srgt environ, rec	6/12/2018	Organic	2,4,6-Tribromophenol	n/a	=	85	%	EPA 8270C	-88	-88	26	117	
2017/18-5	ME-SCR	srgt environ	6/19/2018	Organic	2,4,6-Tribromophenol	n/a	=	7.83	µg/L	EPA 8270C	-88	-88			
2017/18-5	ME-SCR	srgt environ, rec	6/19/2018	Organic	2,4,6-Tribromophenol	n/a	=	78	%	EPA 8270C	-88	-88	26	117	
2017/18-5	ME-SCR	srgt environ	6/19/2018	Organic	2,4,6-Tribromophenol	n/a	=	36.4	µg/L	EPA 625	-88	-88			
2017/18-5	ME-SCR	srgt environ, rec	6/19/2018	Organic	2,4,6-Tribromophenol	n/a	=	36	%	EPA 625	-88	-88	25	102	
2017/18-5	ME-VR2	srgt environ	6/29/2018	Organic	2,4,6-Tribromophenol	n/a	=	41.1	µg/L	EPA 625	-88	-88			
2017/18-5	ME-VR2	srgt environ, rec	6/29/2018	Organic	2,4,6-Tribromophenol	n/a	=	82	%	EPA 625	-88	-88	25	102	
2017/18-5	ME-VR2	srgt environ	7/3/2018	Organic	2,4,6-Tribromophenol	n/a	=	7.56	µg/L	EPA 8270C	-88	-88			
2017/18-5	ME-VR2	srgt environ, rec	7/3/2018	Organic	2,4,6-Tribromophenol	n/a	=	76	%	EPA 8270C	-88	-88	26	117	
2017/18-5	MO-CAM	srgt environ	6/8/2018	Organic	2,4,6-Tribromophenol	n/a	=	40.6	µg/L	EPA 625	-88	-88			
2017/18-5	MO-CAM	srgt environ, rec	6/8/2018	Organic	2,4,6-Tribromophenol	n/a	=	81	%	EPA 625	-88	-88	25	102	
2017/18-5	MO-CAM	srgt environ	6/12/2018	Organic	2,4,6-Tribromophenol	n/a	=	7.98	µg/L	EPA 8270C	-88	-88			
2017/18-5	MO-CAM	srgt environ, rec	6/12/2018	Organic	2,4,6-Tribromophenol	n/a	=	80	%	EPA 8270C	-88	-88	26	117	
2017/18-5	MO-FIL	srgt environ	6/19/2018	Organic	2,4,6-Tribromophenol	n/a	=	7.49	µg/L	EPA 8270C	-88	-88			
2017/18-5	MO-FIL	srgt environ, rec	6/19/2018	Organic	2,4,6-Tribromophenol	n/a	=	75	%	EPA 8270C	-88	-88	26	117	
2017/18-5	MO-FIL	srgt environ	6/19/2018	Organic	2,4,6-Tribromophenol	n/a	=	38.1	µg/L	EPA 625	-88	-88			
2017/18-5	MO-FIL	srgt environ, rec	6/19/2018	Organic	2,4,6-Tribromophenol	n/a	=	76	%	EPA 625	-88	-88	25	102	
2017/18-5	MO-HUE	srgt environ	6/8/2018	Organic	2,4,6-Tribromophenol	n/a	=	33.7	µg/L	EPA 625	-88	-88			
2017/18-5	MO-HUE	srgt environ, rec	6/8/2018	Organic	2,4,6-Tribromophenol	n/a	=	67	%	EPA 625	-88	-88	25	102	
2017/18-5	MO-HUE	srgt environ	6/12/2018	Organic	2,4,6-Tribromophenol	n/a	=	9.16	µg/L	EPA 8270C	-88	-88			
2017/18-5	MO-HUE	srgt environ, rec	6/12/2018	Organic	2,4,6-Tribromophenol	n/a	=	92	%	EPA 8270C	-88	-88	26	117	
2017/18-5	MO-OJA	srgt environ	6/29/2018	Organic	2,4,6-Tribromophenol	n/a	=	39.1	µg/L	EPA 625	-88	-88			
2017/18-5	MO-OJA	srgt environ, rec	6/29/2018	Organic	2,4,6-Tribromophenol	n/a	=	78	%	EPA 625	-88	-88	25	102	
2017/18-5	MO-OJA	srgt environ	7/3/2018	Organic	2,4,6-Tribromophenol	n/a	=	6.9	µg/L	EPA 8270C	-88	-88			
2017/18-5	MO-OJA	srgt environ, rec	7/3/2018	Organic	2,4,6-Tribromophenol	n/a	=	69	%	EPA 8270C	-88	-88	26	117	
2017/18-5	MO-SIM	srgt environ	6/8/2018	Organic	2,4,6-Tribromophenol	n/a	=	34.6	µg/L	EPA 625	-88	-88			
2017/18-5	MO-SIM	srgt environ, rec	6/8/2018	Organic	2,4,6-Tribromophenol	n/a	=	69	%	EPA 625	-88	-88	25	102	
2017/18-5	MO-SIM	srgt environ	6/12/2018	Organic	2,4,6-Tribromophenol	n/a	=	7.95	µg/L	EPA 8270C	-88	-88			
2017/18-5	MO-SIM	srgt environ, rec	6/12/2018	Organic	2,4,6-Tribromophenol	n/a	=	79	%	EPA 8270C	-88	-88	26	117	
2017/18-5	MO-THO	srgt environ	6/8/2018	Organic	2,4,6-Tribromophenol	n/a	=	34.7	µg/L	EPA 625	-88	-88			
2017/18-5	MO-THO	srgt environ, rec	6/8/2018	Organic	2,4,6-Tribromophenol	n/a	=	69	%	EPA 625	-88	-88	25	102	
2017/18-5	MO-THO	srgt environ	6/12/2018	Organic	2,4,6-Tribromophenol	n/a	=	8.26	µg/L	EPA 8270C	-88	-88			
2017/18-5	MO-THO	srgt environ, rec	6/12/2018	Organic	2,4,6-Tribromophenol	n/a	=	83	%	EPA 8270C	-88	-88	26	117	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	method blank	6/8/2018	Organic	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2017/18-5	Lab	LCS	6/8/2018	Organic	2,4,6-Trichlorophenol	n/a	=	18.4	µg/L	EPA 625	0.22	1			
2017/18-5	Lab	LCS, rec	6/8/2018	Organic	2,4,6-Trichlorophenol	n/a	=	74	%	EPA 625	-88	-88	37	144	
2017/18-5	Lab	LCS dup	6/8/2018	Organic	2,4,6-Trichlorophenol	n/a	=	19.2	µg/L	EPA 625	0.22	1			
2017/18-5	Lab	LCS dup, rec	6/8/2018	Organic	2,4,6-Trichlorophenol	n/a	=	77	%	EPA 625	-88	-88	37	144	
2017/18-5	Lab	LCS, RPD	6/8/2018	Organic	2,4,6-Trichlorophenol	n/a	=	4	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/12/2018	Organic	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1			
2017/18-5	Lab	LCS	6/12/2018	Organic	2,4,6-Trichlorophenol	n/a	=	7.83	µg/L	EPA 8270C	0.3	1			
2017/18-5	Lab	LCS, rec	6/12/2018	Organic	2,4,6-Trichlorophenol	n/a	=	78	%	EPA 8270C	-88	-88	30	115	
2017/18-5	Lab	LCS dup	6/12/2018	Organic	2,4,6-Trichlorophenol	n/a	=	7.23	µg/L	EPA 8270C	0.3	1			
2017/18-5	Lab	LCS dup, rec	6/12/2018	Organic	2,4,6-Trichlorophenol	n/a	=	72	%	EPA 8270C	-88	-88	30	115	
2017/18-5	Lab	LCS, RPD	6/12/2018	Organic	2,4,6-Trichlorophenol	n/a	=	8	%	EPA 8270C	-88	-88	0	30	
2017/18-5	Lab	method blank	6/19/2018	Organic	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1			
2017/18-5	Lab	LCS	6/19/2018	Organic	2,4,6-Trichlorophenol	n/a	=	6.84	µg/L	EPA 8270C	0.3	1			
2017/18-5	Lab	LCS, rec	6/19/2018	Organic	2,4,6-Trichlorophenol	n/a	=	68	%	EPA 8270C	-88	-88	30	115	
2017/18-5	Lab	LCS dup	6/19/2018	Organic	2,4,6-Trichlorophenol	n/a	=	7.46	µg/L	EPA 8270C	0.3	1			
2017/18-5	Lab	LCS dup, rec	6/19/2018	Organic	2,4,6-Trichlorophenol	n/a	=	75	%	EPA 8270C	-88	-88	30	115	
2017/18-5	Lab	LCS, RPD	6/19/2018	Organic	2,4,6-Trichlorophenol	n/a	=	9	%	EPA 8270C	-88	-88	0	30	
2017/18-5	Lab	method blank	6/19/2018	Organic	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2017/18-5	Lab	LCS	6/19/2018	Organic	2,4,6-Trichlorophenol	n/a	=	14.5	µg/L	EPA 625	0.22	1			
2017/18-5	Lab	LCS, rec	6/19/2018	Organic	2,4,6-Trichlorophenol	n/a	=	58	%	EPA 625	-88	-88	37	144	
2017/18-5	Lab	LCS dup	6/19/2018	Organic	2,4,6-Trichlorophenol	n/a	=	15.7	µg/L	EPA 625	0.22	1			
2017/18-5	Lab	LCS dup, rec	6/19/2018	Organic	2,4,6-Trichlorophenol	n/a	=	63	%	EPA 625	-88	-88	37	144	
2017/18-5	Lab	LCS, RPD	6/19/2018	Organic	2,4,6-Trichlorophenol	n/a	=	8	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/28/2018	Organic	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2017/18-5	Lab	LCS	6/28/2018	Organic	2,4,6-Trichlorophenol	n/a	=	18.3	µg/L	EPA 625	0.22	1			
2017/18-5	Lab	LCS, rec	6/28/2018	Organic	2,4,6-Trichlorophenol	n/a	=	73	%	EPA 625	-88	-88	37	144	
2017/18-5	Lab	LCS dup	6/28/2018	Organic	2,4,6-Trichlorophenol	n/a	=	13.3	µg/L	EPA 625	0.22	1			
2017/18-5	Lab	LCS dup, rec	6/28/2018	Organic	2,4,6-Trichlorophenol	n/a	=	53	%	EPA 625	-88	-88	37	144	
2017/18-5	Lab	LCS, RPD	6/28/2018	Organic	2,4,6-Trichlorophenol	n/a	=	31	%	EPA 625	-88	-88	0	30	IL
2017/18-5	Lab	method blank	7/3/2018	Organic	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1			
2017/18-5	Lab	LCS	7/3/2018	Organic	2,4,6-Trichlorophenol	n/a	=	7.19	µg/L	EPA 8270C	0.3	1			
2017/18-5	Lab	LCS, rec	7/3/2018	Organic	2,4,6-Trichlorophenol	n/a	=	72	%	EPA 8270C	-88	-88	30	115	
2017/18-5	Lab	LCS dup	7/3/2018	Organic	2,4,6-Trichlorophenol	n/a	=	5.99	µg/L	EPA 8270C	0.3	1			
2017/18-5	Lab	LCS dup, rec	7/3/2018	Organic	2,4,6-Trichlorophenol	n/a	=	60	%	EPA 8270C	-88	-88	30	115	
2017/18-5	Lab	LCS, RPD	7/3/2018	Organic	2,4,6-Trichlorophenol	n/a	=	18	%	EPA 8270C	-88	-88	0	30	
2017/18-5	Lab	method blank	6/8/2018	Organic	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2017/18-5	Lab	LCS	6/8/2018	Organic	2,4-Dichlorophenol	n/a	=	18.3	µg/L	EPA 625	0.26	1			
2017/18-5	Lab	LCS, rec	6/8/2018	Organic	2,4-Dichlorophenol	n/a	=	73	%	EPA 625	-88	-88	39	135	
2017/18-5	Lab	LCS dup	6/8/2018	Organic	2,4-Dichlorophenol	n/a	=	17.9	µg/L	EPA 625	0.26	1			
2017/18-5	Lab	LCS dup, rec	6/8/2018	Organic	2,4-Dichlorophenol	n/a	=	72	%	EPA 625	-88	-88	39	135	
2017/18-5	Lab	LCS, RPD	6/8/2018	Organic	2,4-Dichlorophenol	n/a	=	2	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/12/2018	Organic	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1			
2017/18-5	Lab	LCS	6/12/2018	Organic	2,4-Dichlorophenol	n/a	=	7.77	µg/L	EPA 8270C	0.51	1			
2017/18-5	Lab	LCS, rec	6/12/2018	Organic	2,4-Dichlorophenol	n/a	=	78	%	EPA 8270C	-88	-88	32	105	
2017/18-5	Lab	LCS dup	6/12/2018	Organic	2,4-Dichlorophenol	n/a	=	7.37	µg/L	EPA 8270C	0.51	1			
2017/18-5	Lab	LCS dup, rec	6/12/2018	Organic	2,4-Dichlorophenol	n/a	=	74	%	EPA 8270C	-88	-88	32	105	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	LCS, RPD	6/12/2018	Organic	2,4-Dichlorophenol	n/a	=	5	%	EPA 8270C	-88	-88	0	30	
2017/18-5	Lab	method blank	6/19/2018	Organic	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1			
2017/18-5	Lab	LCS	6/19/2018	Organic	2,4-Dichlorophenol	n/a	=	6.61	µg/L	EPA 8270C	0.51	1			
2017/18-5	Lab	LCS, rec	6/19/2018	Organic	2,4-Dichlorophenol	n/a	=	66	%	EPA 8270C	-88	-88	32	105	
2017/18-5	Lab	LCS dup	6/19/2018	Organic	2,4-Dichlorophenol	n/a	=	7.61	µg/L	EPA 8270C	0.51	1			
2017/18-5	Lab	LCS dup, rec	6/19/2018	Organic	2,4-Dichlorophenol	n/a	=	76	%	EPA 8270C	-88	-88	32	105	
2017/18-5	Lab	LCS, RPD	6/19/2018	Organic	2,4-Dichlorophenol	n/a	=	14	%	EPA 8270C	-88	-88	0	30	
2017/18-5	Lab	method blank	6/19/2018	Organic	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2017/18-5	Lab	LCS	6/19/2018	Organic	2,4-Dichlorophenol	n/a	=	14.5	µg/L	EPA 625	0.26	1			
2017/18-5	Lab	LCS, rec	6/19/2018	Organic	2,4-Dichlorophenol	n/a	=	58	%	EPA 625	-88	-88	39	135	
2017/18-5	Lab	LCS dup	6/19/2018	Organic	2,4-Dichlorophenol	n/a	=	15.7	µg/L	EPA 625	0.26	1			
2017/18-5	Lab	LCS dup, rec	6/19/2018	Organic	2,4-Dichlorophenol	n/a	=	63	%	EPA 625	-88	-88	39	135	
2017/18-5	Lab	LCS, RPD	6/19/2018	Organic	2,4-Dichlorophenol	n/a	=	8	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/28/2018	Organic	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2017/18-5	Lab	LCS	6/28/2018	Organic	2,4-Dichlorophenol	n/a	=	19.2	µg/L	EPA 625	0.26	1			
2017/18-5	Lab	LCS, rec	6/28/2018	Organic	2,4-Dichlorophenol	n/a	=	77	%	EPA 625	-88	-88	39	135	
2017/18-5	Lab	LCS dup	6/28/2018	Organic	2,4-Dichlorophenol	n/a	=	14.7	µg/L	EPA 625	0.26	1			
2017/18-5	Lab	LCS dup, rec	6/28/2018	Organic	2,4-Dichlorophenol	n/a	=	59	%	EPA 625	-88	-88	39	135	
2017/18-5	Lab	LCS, RPD	6/28/2018	Organic	2,4-Dichlorophenol	n/a	=	26	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	7/3/2018	Organic	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1			
2017/18-5	Lab	LCS	7/3/2018	Organic	2,4-Dichlorophenol	n/a	=	7.27	µg/L	EPA 8270C	0.51	1			
2017/18-5	Lab	LCS, rec	7/3/2018	Organic	2,4-Dichlorophenol	n/a	=	73	%	EPA 8270C	-88	-88	32	105	
2017/18-5	Lab	LCS dup	7/3/2018	Organic	2,4-Dichlorophenol	n/a	=	6.18	µg/L	EPA 8270C	0.51	1			
2017/18-5	Lab	LCS dup, rec	7/3/2018	Organic	2,4-Dichlorophenol	n/a	=	62	%	EPA 8270C	-88	-88	32	105	
2017/18-5	Lab	LCS, RPD	7/3/2018	Organic	2,4-Dichlorophenol	n/a	=	16	%	EPA 8270C	-88	-88	0	30	
2017/18-5	000NONPJ	srgt matrix spike	6/12/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	12	µg/L	EPA 515.3	-88	-88			
2017/18-5	000NONPJ	srgt matrix spike, rec	6/12/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	120	%	EPA 515.3	-88	-88	70	130	
2017/18-5	000NONPJ	srgt matrix spike dup	6/12/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	12.2	µg/L	EPA 515.3	-88	-88			
2017/18-5	000NONPJ	srgt matrix spike dup, rec	6/12/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	122	%	EPA 515.3	-88	-88	70	130	
2017/18-5	Lab	srgt method blank	6/12/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.88	µg/L	EPA 515.3	-88	-88			
2017/18-5	Lab	srgt method blank, rec	6/12/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	99	%	EPA 515.3	-88	-88	70	130	
2017/18-5	Lab	srgt LCS	6/12/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.7	µg/L	EPA 515.3	-88	-88			
2017/18-5	Lab	srgt LCS, rec	6/12/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	107	%	EPA 515.3	-88	-88	70	130	
2017/18-5	Lab	srgt method blank	6/13/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.03	µg/L	EPA 515.3	-88	-88			
2017/18-5	Lab	srgt method blank, rec	6/13/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	90	%	EPA 515.3	-88	-88	70	130	
2017/18-5	Lab	srgt LCS	6/13/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.3	µg/L	EPA 515.3	-88	-88			
2017/18-5	Lab	srgt LCS, rec	6/13/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	103	%	EPA 515.3	-88	-88	70	130	
2017/18-5	Lab	srgt method blank	6/28/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.62	µg/L	EPA 515.3	-88	-88			
2017/18-5	Lab	srgt method blank, rec	6/28/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	96	%	EPA 515.3	-88	-88	70	130	
2017/18-5	Lab	srgt LCS	6/28/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	11	µg/L	EPA 515.3	-88	-88			
2017/18-5	Lab	srgt LCS, rec	6/28/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	110	%	EPA 515.3	-88	-88	70	130	
2017/18-5	ME-CC	srgt environ	6/12/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.3	µg/L	EPA 515.3	-88	-88			
2017/18-5	ME-CC	srgt environ, rec	6/12/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	103	%	EPA 515.3	-88	-88	70	130	
2017/18-5	ME-SCR	srgt matrix spike	6/13/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.94	µg/L	EPA 515.3	-88	-88			
2017/18-5	ME-SCR	srgt matrix spike, rec	6/13/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	99	%	EPA 515.3	-88	-88	70	130	
2017/18-5	ME-SCR	srgt matrix spike dup	6/13/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.12	µg/L	EPA 515.3	-88	-88			
2017/18-5	ME-SCR	srgt matrix spike dup, rec	6/13/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	91	%	EPA 515.3	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	ME-SCR	srgt environ	6/13/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.06	µg/L	EPA 515.3	-88	-88			
2017/18-5	ME-SCR	srgt environ, rec	6/13/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	91	%	EPA 515.3	-88	-88	70	130	
2017/18-5	ME-VR2	srgt matrix spike	6/28/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.3	µg/L	EPA 515.3	-88	-88			
2017/18-5	ME-VR2	srgt matrix spike, rec	6/28/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	103	%	EPA 515.3	-88	-88	70	130	
2017/18-5	ME-VR2	srgt matrix spike dup	6/28/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.6	µg/L	EPA 515.3	-88	-88			
2017/18-5	ME-VR2	srgt matrix spike dup, rec	6/28/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	106	%	EPA 515.3	-88	-88	70	130	
2017/18-5	ME-VR2	srgt environ	6/29/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10	µg/L	EPA 515.3	-88	-88			
2017/18-5	ME-VR2	srgt environ, rec	6/29/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	100	%	EPA 515.3	-88	-88	70	130	
2017/18-5	MO-CAM	srgt environ	6/12/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.32	µg/L	EPA 515.3	-88	-88			
2017/18-5	MO-CAM	srgt environ, rec	6/12/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	93	%	EPA 515.3	-88	-88	70	130	
2017/18-5	MO-FIL	srgt environ	6/13/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	8.8	µg/L	EPA 515.3	-88	-88			
2017/18-5	MO-FIL	srgt environ, rec	6/13/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	88	%	EPA 515.3	-88	-88	70	130	
2017/18-5	MO-HUE	srgt environ	6/12/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	11.5	µg/L	EPA 515.3	-88	-88			
2017/18-5	MO-HUE	srgt environ, rec	6/12/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	115	%	EPA 515.3	-88	-88	70	130	
2017/18-5	MO-OJA	srgt matrix spike	6/28/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.66	µg/L	EPA 515.3	-88	-88			
2017/18-5	MO-OJA	srgt matrix spike, rec	6/28/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	97	%	EPA 515.3	-88	-88	70	130	
2017/18-5	MO-OJA	srgt matrix spike dup	6/28/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.95	µg/L	EPA 515.3	-88	-88			
2017/18-5	MO-OJA	srgt matrix spike dup, rec	6/28/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	100	%	EPA 515.3	-88	-88	70	130	
2017/18-5	MO-OJA	srgt environ	6/29/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.55	µg/L	EPA 515.3	-88	-88			
2017/18-5	MO-OJA	srgt environ, rec	6/29/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	95	%	EPA 515.3	-88	-88	70	130	
2017/18-5	MO-SIM	srgt environ	6/12/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.45	µg/L	EPA 515.3	-88	-88			
2017/18-5	MO-SIM	srgt environ, rec	6/12/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	94	%	EPA 515.3	-88	-88	70	130	
2017/18-5	MO-THO	srgt environ	6/12/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.25	µg/L	EPA 515.3	-88	-88			
2017/18-5	MO-THO	srgt environ, rec	6/12/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	93	%	EPA 515.3	-88	-88	70	130	
2017/18-5	MO-VEN	srgt environ	6/13/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	8.23	µg/L	EPA 515.3	-88	-88			
2017/18-5	MO-VEN	srgt environ, rec	6/13/2018	Organic	2,4-Dichlorophenylacetic acid	n/a	=	82	%	EPA 515.3	-88	-88	70	130	
2017/18-5	Lab	method blank	6/8/2018	Organic	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1			
2017/18-5	Lab	LCS	6/8/2018	Organic	2,4-Dimethylphenol	n/a	=	16.2	µg/L	EPA 625	0.3	1			
2017/18-5	Lab	LCS, rec	6/8/2018	Organic	2,4-Dimethylphenol	n/a	=	65	%	EPA 625	-88	-88	32	119	
2017/18-5	Lab	LCS dup	6/8/2018	Organic	2,4-Dimethylphenol	n/a	=	15.5	µg/L	EPA 625	0.3	1			
2017/18-5	Lab	LCS dup, rec	6/8/2018	Organic	2,4-Dimethylphenol	n/a	=	62	%	EPA 625	-88	-88	32	119	
2017/18-5	Lab	LCS, RPD	6/8/2018	Organic	2,4-Dimethylphenol	n/a	=	4	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/12/2018	Organic	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2			
2017/18-5	Lab	LCS	6/12/2018	Organic	2,4-Dimethylphenol	n/a	=	6.91	µg/L	EPA 8270C	1	2			
2017/18-5	Lab	LCS, rec	6/12/2018	Organic	2,4-Dimethylphenol	n/a	=	69	%	EPA 8270C	-88	-88	31	97	
2017/18-5	Lab	LCS dup	6/12/2018	Organic	2,4-Dimethylphenol	n/a	=	6.09	µg/L	EPA 8270C	1	2			
2017/18-5	Lab	LCS dup, rec	6/12/2018	Organic	2,4-Dimethylphenol	n/a	=	61	%	EPA 8270C	-88	-88	31	97	
2017/18-5	Lab	LCS, RPD	6/12/2018	Organic	2,4-Dimethylphenol	n/a	=	13	%	EPA 8270C	-88	-88	0	30	
2017/18-5	Lab	method blank	6/19/2018	Organic	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2			
2017/18-5	Lab	LCS	6/19/2018	Organic	2,4-Dimethylphenol	n/a	=	5.66	µg/L	EPA 8270C	1	2			
2017/18-5	Lab	LCS, rec	6/19/2018	Organic	2,4-Dimethylphenol	n/a	=	57	%	EPA 8270C	-88	-88	31	97	
2017/18-5	Lab	LCS dup	6/19/2018	Organic	2,4-Dimethylphenol	n/a	=	6.38	µg/L	EPA 8270C	1	2			
2017/18-5	Lab	LCS dup, rec	6/19/2018	Organic	2,4-Dimethylphenol	n/a	=	64	%	EPA 8270C	-88	-88	31	97	
2017/18-5	Lab	LCS, RPD	6/19/2018	Organic	2,4-Dimethylphenol	n/a	=	12	%	EPA 8270C	-88	-88	0	30	
2017/18-5	Lab	method blank	6/19/2018	Organic	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1			
2017/18-5	Lab	LCS	6/19/2018	Organic	2,4-Dimethylphenol	n/a	=	6.44	µg/L	EPA 625	0.3	1			EUM
2017/18-5	Lab	LCS, rec	6/19/2018	Organic	2,4-Dimethylphenol	n/a	=	26	%	EPA 625	-88	-88	32	119	EUM

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	LCS dup	6/19/2018	Organic	2,4-Dimethylphenol	n/a	=	7.99	µg/L	EPA 625	0.3	1			
2017/18-5	Lab	LCS dup, rec	6/19/2018	Organic	2,4-Dimethylphenol	n/a	=	32	%	EPA 625	-88	-88	32	119	
2017/18-5	Lab	LCS, RPD	6/19/2018	Organic	2,4-Dimethylphenol	n/a	=	22	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/28/2018	Organic	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1			
2017/18-5	Lab	LCS	6/28/2018	Organic	2,4-Dimethylphenol	n/a	=	18.2	µg/L	EPA 625	0.3	1			
2017/18-5	Lab	LCS, rec	6/28/2018	Organic	2,4-Dimethylphenol	n/a	=	73	%	EPA 625	-88	-88	32	119	
2017/18-5	Lab	LCS dup	6/28/2018	Organic	2,4-Dimethylphenol	n/a	=	13.6	µg/L	EPA 625	0.3	1			
2017/18-5	Lab	LCS dup, rec	6/28/2018	Organic	2,4-Dimethylphenol	n/a	=	54	%	EPA 625	-88	-88	32	119	
2017/18-5	Lab	LCS, RPD	6/28/2018	Organic	2,4-Dimethylphenol	n/a	=	29	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	7/3/2018	Organic	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2			
2017/18-5	Lab	LCS	7/3/2018	Organic	2,4-Dimethylphenol	n/a	=	5.06	µg/L	EPA 8270C	1	2			
2017/18-5	Lab	LCS, rec	7/3/2018	Organic	2,4-Dimethylphenol	n/a	=	51	%	EPA 8270C	-88	-88	31	97	
2017/18-5	Lab	LCS dup	7/3/2018	Organic	2,4-Dimethylphenol	n/a	=	4.67	µg/L	EPA 8270C	1	2			
2017/18-5	Lab	LCS dup, rec	7/3/2018	Organic	2,4-Dimethylphenol	n/a	=	47	%	EPA 8270C	-88	-88	31	97	
2017/18-5	Lab	LCS, RPD	7/3/2018	Organic	2,4-Dimethylphenol	n/a	=	8	%	EPA 8270C	-88	-88	0	30	
2017/18-5	Lab	method blank	6/8/2018	Organic	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10			
2017/18-5	Lab	LCS	6/8/2018	Organic	2,4-Dinitrophenol	n/a	=	17.3	µg/L	EPA 625	1.6	10			
2017/18-5	Lab	LCS, rec	6/8/2018	Organic	2,4-Dinitrophenol	n/a	=	69	%	EPA 625	-88	-88	0.1	191	
2017/18-5	Lab	LCS dup	6/8/2018	Organic	2,4-Dinitrophenol	n/a	=	18.2	µg/L	EPA 625	1.6	10			
2017/18-5	Lab	LCS dup, rec	6/8/2018	Organic	2,4-Dinitrophenol	n/a	=	73	%	EPA 625	-88	-88	0.1	191	
2017/18-5	Lab	LCS, RPD	6/8/2018	Organic	2,4-Dinitrophenol	n/a	=	5	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/12/2018	Organic	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2			
2017/18-5	Lab	LCS	6/12/2018	Organic	2,4-Dinitrophenol	n/a	=	14.8	µg/L	EPA 8270C	1	2			
2017/18-5	Lab	LCS, rec	6/12/2018	Organic	2,4-Dinitrophenol	n/a	=	148	%	EPA 8270C	-88	-88	7	155	
2017/18-5	Lab	LCS dup	6/12/2018	Organic	2,4-Dinitrophenol	n/a	=	14.2	µg/L	EPA 8270C	1	2			
2017/18-5	Lab	LCS dup, rec	6/12/2018	Organic	2,4-Dinitrophenol	n/a	=	142	%	EPA 8270C	-88	-88	7	155	
2017/18-5	Lab	LCS, RPD	6/12/2018	Organic	2,4-Dinitrophenol	n/a	=	4	%	EPA 8270C	-88	-88	0	30	
2017/18-5	Lab	method blank	6/19/2018	Organic	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2			
2017/18-5	Lab	LCS	6/19/2018	Organic	2,4-Dinitrophenol	n/a	=	11.4	µg/L	EPA 8270C	1	2			
2017/18-5	Lab	LCS, rec	6/19/2018	Organic	2,4-Dinitrophenol	n/a	=	114	%	EPA 8270C	-88	-88	7	155	
2017/18-5	Lab	LCS dup	6/19/2018	Organic	2,4-Dinitrophenol	n/a	=	11.5	µg/L	EPA 8270C	1	2			
2017/18-5	Lab	LCS dup, rec	6/19/2018	Organic	2,4-Dinitrophenol	n/a	=	115	%	EPA 8270C	-88	-88	7	155	
2017/18-5	Lab	LCS, RPD	6/19/2018	Organic	2,4-Dinitrophenol	n/a	=	0.8	%	EPA 8270C	-88	-88	0	30	
2017/18-5	Lab	method blank	6/19/2018	Organic	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10			
2017/18-5	Lab	LCS	6/19/2018	Organic	2,4-Dinitrophenol	n/a	=	16.5	µg/L	EPA 625	1.6	10			
2017/18-5	Lab	LCS, rec	6/19/2018	Organic	2,4-Dinitrophenol	n/a	=	66	%	EPA 625	-88	-88	0.1	191	
2017/18-5	Lab	LCS dup	6/19/2018	Organic	2,4-Dinitrophenol	n/a	=	18.5	µg/L	EPA 625	1.6	10			
2017/18-5	Lab	LCS dup, rec	6/19/2018	Organic	2,4-Dinitrophenol	n/a	=	74	%	EPA 625	-88	-88	0.1	191	
2017/18-5	Lab	LCS, RPD	6/19/2018	Organic	2,4-Dinitrophenol	n/a	=	11	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/28/2018	Organic	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10			
2017/18-5	Lab	LCS	6/28/2018	Organic	2,4-Dinitrophenol	n/a	=	15.8	µg/L	EPA 625	1.6	10			
2017/18-5	Lab	LCS, rec	6/28/2018	Organic	2,4-Dinitrophenol	n/a	=	63	%	EPA 625	-88	-88	0.1	191	
2017/18-5	Lab	LCS dup	6/28/2018	Organic	2,4-Dinitrophenol	n/a	=	12.5	µg/L	EPA 625	1.6	10			
2017/18-5	Lab	LCS dup, rec	6/28/2018	Organic	2,4-Dinitrophenol	n/a	=	50	%	EPA 625	-88	-88	0.1	191	
2017/18-5	Lab	LCS, RPD	6/28/2018	Organic	2,4-Dinitrophenol	n/a	=	23	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	7/3/2018	Organic	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2			
2017/18-5	Lab	LCS	7/3/2018	Organic	2,4-Dinitrophenol	n/a	=	12.8	µg/L	EPA 8270C	1	2			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	LCS, rec	7/3/2018	Organic	2,4-Dinitrophenol	n/a	=	128	%	EPA 8270C	-88	-88	7	155	
2017/18-5	Lab	LCS dup	7/3/2018	Organic	2,4-Dinitrophenol	n/a	=	11.6	µg/L	EPA 8270C	1	2			
2017/18-5	Lab	LCS dup, rec	7/3/2018	Organic	2,4-Dinitrophenol	n/a	=	116	%	EPA 8270C	-88	-88	7	155	
2017/18-5	Lab	LCS, RPD	7/3/2018	Organic	2,4-Dinitrophenol	n/a	=	10	%	EPA 8270C	-88	-88	0	30	
2017/18-5	Lab	method blank	6/8/2018	Organic	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2017/18-5	Lab	LCS	6/8/2018	Organic	2,4-Dinitrotoluene	n/a	=	20.6	µg/L	EPA 625	0.18	1			
2017/18-5	Lab	LCS, rec	6/8/2018	Organic	2,4-Dinitrotoluene	n/a	=	82	%	EPA 625	-88	-88	39	139	
2017/18-5	Lab	LCS dup	6/8/2018	Organic	2,4-Dinitrotoluene	n/a	=	21.2	µg/L	EPA 625	0.18	1			
2017/18-5	Lab	LCS dup, rec	6/8/2018	Organic	2,4-Dinitrotoluene	n/a	=	85	%	EPA 625	-88	-88	39	139	
2017/18-5	Lab	LCS, RPD	6/8/2018	Organic	2,4-Dinitrotoluene	n/a	=	3	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/19/2018	Organic	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2017/18-5	Lab	LCS	6/19/2018	Organic	2,4-Dinitrotoluene	n/a	=	17.6	µg/L	EPA 625	0.18	1			
2017/18-5	Lab	LCS, rec	6/19/2018	Organic	2,4-Dinitrotoluene	n/a	=	70	%	EPA 625	-88	-88	39	139	
2017/18-5	Lab	LCS dup	6/19/2018	Organic	2,4-Dinitrotoluene	n/a	=	19.1	µg/L	EPA 625	0.18	1			
2017/18-5	Lab	LCS dup, rec	6/19/2018	Organic	2,4-Dinitrotoluene	n/a	=	76	%	EPA 625	-88	-88	39	139	
2017/18-5	Lab	LCS, RPD	6/19/2018	Organic	2,4-Dinitrotoluene	n/a	=	8	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/28/2018	Organic	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2017/18-5	Lab	LCS	6/28/2018	Organic	2,4-Dinitrotoluene	n/a	=	18.6	µg/L	EPA 625	0.18	1			
2017/18-5	Lab	LCS, rec	6/28/2018	Organic	2,4-Dinitrotoluene	n/a	=	74	%	EPA 625	-88	-88	39	139	
2017/18-5	Lab	LCS dup	6/28/2018	Organic	2,4-Dinitrotoluene	n/a	=	16.3	µg/L	EPA 625	0.18	1			
2017/18-5	Lab	LCS dup, rec	6/28/2018	Organic	2,4-Dinitrotoluene	n/a	=	65	%	EPA 625	-88	-88	39	139	
2017/18-5	Lab	LCS, RPD	6/28/2018	Organic	2,4-Dinitrotoluene	n/a	=	13	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/8/2018	Organic	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2017/18-5	Lab	LCS	6/8/2018	Organic	2,6-Dinitrotoluene	n/a	=	18.6	µg/L	EPA 625	0.27	1			
2017/18-5	Lab	LCS, rec	6/8/2018	Organic	2,6-Dinitrotoluene	n/a	=	74	%	EPA 625	-88	-88	50	158	
2017/18-5	Lab	LCS dup	6/8/2018	Organic	2,6-Dinitrotoluene	n/a	=	18.9	µg/L	EPA 625	0.27	1			
2017/18-5	Lab	LCS dup, rec	6/8/2018	Organic	2,6-Dinitrotoluene	n/a	=	75	%	EPA 625	-88	-88	50	158	
2017/18-5	Lab	LCS, RPD	6/8/2018	Organic	2,6-Dinitrotoluene	n/a	=	1	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/19/2018	Organic	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2017/18-5	Lab	LCS	6/19/2018	Organic	2,6-Dinitrotoluene	n/a	=	15.2	µg/L	EPA 625	0.27	1			
2017/18-5	Lab	LCS, rec	6/19/2018	Organic	2,6-Dinitrotoluene	n/a	=	61	%	EPA 625	-88	-88	50	158	
2017/18-5	Lab	LCS dup	6/19/2018	Organic	2,6-Dinitrotoluene	n/a	=	16.4	µg/L	EPA 625	0.27	1			
2017/18-5	Lab	LCS dup, rec	6/19/2018	Organic	2,6-Dinitrotoluene	n/a	=	66	%	EPA 625	-88	-88	50	158	
2017/18-5	Lab	LCS, RPD	6/19/2018	Organic	2,6-Dinitrotoluene	n/a	=	8	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/28/2018	Organic	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2017/18-5	Lab	LCS	6/28/2018	Organic	2,6-Dinitrotoluene	n/a	=	18.4	µg/L	EPA 625	0.27	1			
2017/18-5	Lab	LCS, rec	6/28/2018	Organic	2,6-Dinitrotoluene	n/a	=	74	%	EPA 625	-88	-88	50	158	
2017/18-5	Lab	LCS dup	6/28/2018	Organic	2,6-Dinitrotoluene	n/a	=	14.2	µg/L	EPA 625	0.27	1			
2017/18-5	Lab	LCS dup, rec	6/28/2018	Organic	2,6-Dinitrotoluene	n/a	=	57	%	EPA 625	-88	-88	50	158	
2017/18-5	Lab	LCS, RPD	6/28/2018	Organic	2,6-Dinitrotoluene	n/a	=	25	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	LCS	6/4/2018	Organic	2-Chloroethyl vinyl ether	n/a	=	55.6	µg/L	EPA 624	0.28	1			
2017/18-5	Lab	LCS, rec	6/4/2018	Organic	2-Chloroethyl vinyl ether	n/a	=	111	%	EPA 624	-88	-88	0.1	305	
2017/18-5	Lab	LCS dup	6/4/2018	Organic	2-Chloroethyl vinyl ether	n/a	=	54.1	µg/L	EPA 624	0.28	1			
2017/18-5	Lab	LCS dup, rec	6/4/2018	Organic	2-Chloroethyl vinyl ether	n/a	=	108	%	EPA 624	-88	-88	0.1	305	
2017/18-5	Lab	LCS, RPD	6/4/2018	Organic	2-Chloroethyl vinyl ether	n/a	=	3	%	EPA 624	-88	-88	0	25	
2017/18-5	Lab	method blank	6/4/2018	Organic	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1			
2017/18-5	Lab	LCS	6/5/2018	Organic	2-Chloroethyl vinyl ether	n/a	=	55.2	µg/L	EPA 624	0.28	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	LCS, rec	6/5/2018	Organic	2-Chloroethyl vinyl ether	n/a	=	110	%	EPA 624	-88	-88	0.1	305	
2017/18-5	Lab	LCS dup	6/5/2018	Organic	2-Chloroethyl vinyl ether	n/a	=	54.2	µg/L	EPA 624	0.28	1			
2017/18-5	Lab	LCS dup, rec	6/5/2018	Organic	2-Chloroethyl vinyl ether	n/a	=	108	%	EPA 624	-88	-88	0.1	305	
2017/18-5	Lab	LCS, RPD	6/5/2018	Organic	2-Chloroethyl vinyl ether	n/a	=	2	%	EPA 624	-88	-88	0	25	
2017/18-5	Lab	method blank	6/5/2018	Organic	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1			
2017/18-5	Lab	LCS	6/11/2018	Organic	2-Chloroethyl vinyl ether	n/a	=	56.8	µg/L	EPA 624	0.28	1			
2017/18-5	Lab	LCS, rec	6/11/2018	Organic	2-Chloroethyl vinyl ether	n/a	=	114	%	EPA 624	-88	-88	0.1	305	
2017/18-5	Lab	LCS dup	6/11/2018	Organic	2-Chloroethyl vinyl ether	n/a	=	55.8	µg/L	EPA 624	0.28	1			
2017/18-5	Lab	LCS dup, rec	6/11/2018	Organic	2-Chloroethyl vinyl ether	n/a	=	112	%	EPA 624	-88	-88	0.1	305	
2017/18-5	Lab	LCS, RPD	6/11/2018	Organic	2-Chloroethyl vinyl ether	n/a	=	2	%	EPA 624	-88	-88	0	25	
2017/18-5	Lab	method blank	6/11/2018	Organic	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1			
2017/18-5	Lab	LCS	6/25/2018	Organic	2-Chloroethyl vinyl ether	n/a	=	56	µg/L	EPA 624	0.28	1			
2017/18-5	Lab	LCS, rec	6/25/2018	Organic	2-Chloroethyl vinyl ether	n/a	=	112	%	EPA 624	-88	-88	0.1	305	
2017/18-5	Lab	LCS dup	6/25/2018	Organic	2-Chloroethyl vinyl ether	n/a	=	56.4	µg/L	EPA 624	0.28	1			
2017/18-5	Lab	LCS dup, rec	6/25/2018	Organic	2-Chloroethyl vinyl ether	n/a	=	113	%	EPA 624	-88	-88	0.1	305	
2017/18-5	Lab	LCS, RPD	6/25/2018	Organic	2-Chloroethyl vinyl ether	n/a	=	0.7	%	EPA 624	-88	-88	0	25	
2017/18-5	Lab	method blank	6/25/2018	Organic	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1			
2017/18-5	Lab	method blank	6/8/2018	Organic	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1			
2017/18-5	Lab	LCS	6/8/2018	Organic	2-Chloronaphthalene	n/a	=	17.8	µg/L	EPA 625	0.45	1			
2017/18-5	Lab	LCS, rec	6/8/2018	Organic	2-Chloronaphthalene	n/a	=	71	%	EPA 625	-88	-88	60	118	
2017/18-5	Lab	LCS dup	6/8/2018	Organic	2-Chloronaphthalene	n/a	=	18.1	µg/L	EPA 625	0.45	1			
2017/18-5	Lab	LCS dup, rec	6/8/2018	Organic	2-Chloronaphthalene	n/a	=	72	%	EPA 625	-88	-88	60	118	
2017/18-5	Lab	LCS, RPD	6/8/2018	Organic	2-Chloronaphthalene	n/a	=	1	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/19/2018	Organic	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1			
2017/18-5	Lab	LCS	6/19/2018	Organic	2-Chloronaphthalene	n/a	=	14.4	µg/L	EPA 625	0.45	1			EUM
2017/18-5	Lab	LCS, rec	6/19/2018	Organic	2-Chloronaphthalene	n/a	=	58	%	EPA 625	-88	-88	60	118	EUM
2017/18-5	Lab	LCS dup	6/19/2018	Organic	2-Chloronaphthalene	n/a	=	15.4	µg/L	EPA 625	0.45	1			
2017/18-5	Lab	LCS dup, rec	6/19/2018	Organic	2-Chloronaphthalene	n/a	=	62	%	EPA 625	-88	-88	60	118	
2017/18-5	Lab	LCS, RPD	6/19/2018	Organic	2-Chloronaphthalene	n/a	=	7	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/28/2018	Organic	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1			
2017/18-5	Lab	LCS	6/28/2018	Organic	2-Chloronaphthalene	n/a	=	19.2	µg/L	EPA 625	0.45	1			
2017/18-5	Lab	LCS, rec	6/28/2018	Organic	2-Chloronaphthalene	n/a	=	77	%	EPA 625	-88	-88	60	118	
2017/18-5	Lab	LCS dup	6/28/2018	Organic	2-Chloronaphthalene	n/a	=	14.6	µg/L	EPA 625	0.45	1			EUM
2017/18-5	Lab	LCS dup, rec	6/28/2018	Organic	2-Chloronaphthalene	n/a	=	58	%	EPA 625	-88	-88	60	118	EUM
2017/18-5	Lab	LCS, RPD	6/28/2018	Organic	2-Chloronaphthalene	n/a	=	28	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/8/2018	Organic	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1			
2017/18-5	Lab	LCS	6/8/2018	Organic	2-Chlorophenol	n/a	=	16.7	µg/L	EPA 625	0.28	1			
2017/18-5	Lab	LCS, rec	6/8/2018	Organic	2-Chlorophenol	n/a	=	67	%	EPA 625	-88	-88	23	134	
2017/18-5	Lab	LCS dup	6/8/2018	Organic	2-Chlorophenol	n/a	=	16.2	µg/L	EPA 625	0.28	1			
2017/18-5	Lab	LCS dup, rec	6/8/2018	Organic	2-Chlorophenol	n/a	=	65	%	EPA 625	-88	-88	23	134	
2017/18-5	Lab	LCS, RPD	6/8/2018	Organic	2-Chlorophenol	n/a	=	3	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/12/2018	Organic	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1			
2017/18-5	Lab	LCS	6/12/2018	Organic	2-Chlorophenol	n/a	=	6.83	µg/L	EPA 8270C	0.65	1			
2017/18-5	Lab	LCS, rec	6/12/2018	Organic	2-Chlorophenol	n/a	=	68	%	EPA 8270C	-88	-88	27	90	
2017/18-5	Lab	LCS dup	6/12/2018	Organic	2-Chlorophenol	n/a	=	6.51	µg/L	EPA 8270C	0.65	1			
2017/18-5	Lab	LCS dup, rec	6/12/2018	Organic	2-Chlorophenol	n/a	=	65	%	EPA 8270C	-88	-88	27	90	
2017/18-5	Lab	LCS, RPD	6/12/2018	Organic	2-Chlorophenol	n/a	=	5	%	EPA 8270C	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	method blank	6/19/2018	Organic	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1			
2017/18-5	Lab	LCS	6/19/2018	Organic	2-Chlorophenol	n/a	=	6.17	µg/L	EPA 8270C	0.65	1			
2017/18-5	Lab	LCS, rec	6/19/2018	Organic	2-Chlorophenol	n/a	=	62	%	EPA 8270C	-88	-88	27	90	
2017/18-5	Lab	LCS dup	6/19/2018	Organic	2-Chlorophenol	n/a	=	7.19	µg/L	EPA 8270C	0.65	1			
2017/18-5	Lab	LCS dup, rec	6/19/2018	Organic	2-Chlorophenol	n/a	=	72	%	EPA 8270C	-88	-88	27	90	
2017/18-5	Lab	LCS, RPD	6/19/2018	Organic	2-Chlorophenol	n/a	=	15	%	EPA 8270C	-88	-88	0	30	
2017/18-5	Lab	method blank	6/19/2018	Organic	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1			
2017/18-5	Lab	LCS	6/19/2018	Organic	2-Chlorophenol	n/a	=	13.7	µg/L	EPA 625	0.28	1			
2017/18-5	Lab	LCS, rec	6/19/2018	Organic	2-Chlorophenol	n/a	=	55	%	EPA 625	-88	-88	23	134	
2017/18-5	Lab	LCS dup	6/19/2018	Organic	2-Chlorophenol	n/a	=	14.2	µg/L	EPA 625	0.28	1			
2017/18-5	Lab	LCS dup, rec	6/19/2018	Organic	2-Chlorophenol	n/a	=	57	%	EPA 625	-88	-88	23	134	
2017/18-5	Lab	LCS, RPD	6/19/2018	Organic	2-Chlorophenol	n/a	=	3	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/28/2018	Organic	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1			
2017/18-5	Lab	LCS	6/28/2018	Organic	2-Chlorophenol	n/a	=	18.1	µg/L	EPA 625	0.28	1			
2017/18-5	Lab	LCS, rec	6/28/2018	Organic	2-Chlorophenol	n/a	=	73	%	EPA 625	-88	-88	23	134	
2017/18-5	Lab	LCS dup	6/28/2018	Organic	2-Chlorophenol	n/a	=	14.1	µg/L	EPA 625	0.28	1			
2017/18-5	Lab	LCS dup, rec	6/28/2018	Organic	2-Chlorophenol	n/a	=	56	%	EPA 625	-88	-88	23	134	
2017/18-5	Lab	LCS, RPD	6/28/2018	Organic	2-Chlorophenol	n/a	=	25	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	7/3/2018	Organic	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1			
2017/18-5	Lab	LCS	7/3/2018	Organic	2-Chlorophenol	n/a	=	6.76	µg/L	EPA 8270C	0.65	1			
2017/18-5	Lab	LCS, rec	7/3/2018	Organic	2-Chlorophenol	n/a	=	68	%	EPA 8270C	-88	-88	27	90	
2017/18-5	Lab	LCS dup	7/3/2018	Organic	2-Chlorophenol	n/a	=	5.69	µg/L	EPA 8270C	0.65	1			
2017/18-5	Lab	LCS dup, rec	7/3/2018	Organic	2-Chlorophenol	n/a	=	57	%	EPA 8270C	-88	-88	27	90	
2017/18-5	Lab	LCS, RPD	7/3/2018	Organic	2-Chlorophenol	n/a	=	17	%	EPA 8270C	-88	-88	0	30	
2017/18-5	Lab	srgt method blank	6/8/2018	Organic	2-Fluorobiphenyl	n/a	=	18.9	µg/L	EPA 625	-88	-88			
2017/18-5	Lab	srgt method blank, rec	6/8/2018	Organic	2-Fluorobiphenyl	n/a	=	76	%	EPA 625	-88	-88	22	107	
2017/18-5	Lab	srgt LCS	6/8/2018	Organic	2-Fluorobiphenyl	n/a	=	17.8	µg/L	EPA 625	-88	-88			
2017/18-5	Lab	srgt LCS, rec	6/8/2018	Organic	2-Fluorobiphenyl	n/a	=	71	%	EPA 625	-88	-88	22	107	
2017/18-5	Lab	srgt LCS dup	6/8/2018	Organic	2-Fluorobiphenyl	n/a	=	18.3	µg/L	EPA 625	-88	-88			
2017/18-5	Lab	srgt LCS dup, rec	6/8/2018	Organic	2-Fluorobiphenyl	n/a	=	73	%	EPA 625	-88	-88	22	107	
2017/18-5	Lab	srgt method blank	6/13/2018	Organic	2-Fluorobiphenyl	n/a	=	3	µg/L	EPA 8270C	-88	-88			
2017/18-5	Lab	srgt method blank, rec	6/13/2018	Organic	2-Fluorobiphenyl	n/a	=	60	%	EPA 8270C	-88	-88	51	139	
2017/18-5	Lab	srgt LCS	6/13/2018	Organic	2-Fluorobiphenyl	n/a	=	3.51	µg/L	EPA 8270C	-88	-88			
2017/18-5	Lab	srgt LCS, rec	6/13/2018	Organic	2-Fluorobiphenyl	n/a	=	70	%	EPA 8270C	-88	-88	51	139	
2017/18-5	Lab	srgt LCS dup	6/13/2018	Organic	2-Fluorobiphenyl	n/a	=	3.26	µg/L	EPA 8270C	-88	-88			
2017/18-5	Lab	srgt LCS dup, rec	6/13/2018	Organic	2-Fluorobiphenyl	n/a	=	65	%	EPA 8270C	-88	-88	51	139	
2017/18-5	Lab	srgt method blank	6/14/2018	Organic	2-Fluorobiphenyl	n/a	=	2.88	µg/L	EPA 8270C	-88	-88			
2017/18-5	Lab	srgt method blank, rec	6/14/2018	Organic	2-Fluorobiphenyl	n/a	=	58	%	EPA 8270C	-88	-88	51	139	
2017/18-5	Lab	srgt LCS	6/14/2018	Organic	2-Fluorobiphenyl	n/a	=	3.22	µg/L	EPA 8270C	-88	-88			
2017/18-5	Lab	srgt LCS, rec	6/14/2018	Organic	2-Fluorobiphenyl	n/a	=	64	%	EPA 8270C	-88	-88	51	139	
2017/18-5	Lab	srgt LCS dup	6/14/2018	Organic	2-Fluorobiphenyl	n/a	=	3.55	µg/L	EPA 8270C	-88	-88			
2017/18-5	Lab	srgt LCS dup, rec	6/14/2018	Organic	2-Fluorobiphenyl	n/a	=	71	%	EPA 8270C	-88	-88	51	139	
2017/18-5	Lab	srgt method blank	6/19/2018	Organic	2-Fluorobiphenyl	n/a	=	15.5	µg/L	EPA 625	-88	-88			
2017/18-5	Lab	srgt method blank, rec	6/19/2018	Organic	2-Fluorobiphenyl	n/a	=	62	%	EPA 625	-88	-88	22	107	
2017/18-5	Lab	srgt LCS	6/19/2018	Organic	2-Fluorobiphenyl	n/a	=	15.3	µg/L	EPA 625	-88	-88			
2017/18-5	Lab	srgt LCS, rec	6/19/2018	Organic	2-Fluorobiphenyl	n/a	=	61	%	EPA 625	-88	-88	22	107	
2017/18-5	Lab	srgt LCS dup	6/19/2018	Organic	2-Fluorobiphenyl	n/a	=	16	µg/L	EPA 625	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	srgt LCS dup, rec	6/19/2018	Organic	2-Fluorobiphenyl	n/a	=	64	%	EPA 625	-88	-88	22	107	
2017/18-5	Lab	srgt method blank	6/28/2018	Organic	2-Fluorobiphenyl	n/a	=	19.3	µg/L	EPA 625	-88	-88			
2017/18-5	Lab	srgt method blank, rec	6/28/2018	Organic	2-Fluorobiphenyl	n/a	=	77	%	EPA 625	-88	-88	22	107	
2017/18-5	Lab	srgt LCS	6/28/2018	Organic	2-Fluorobiphenyl	n/a	=	20.5	µg/L	EPA 625	-88	-88			
2017/18-5	Lab	srgt LCS, rec	6/28/2018	Organic	2-Fluorobiphenyl	n/a	=	82	%	EPA 625	-88	-88	22	107	
2017/18-5	Lab	srgt LCS dup	6/28/2018	Organic	2-Fluorobiphenyl	n/a	=	15.3	µg/L	EPA 625	-88	-88			
2017/18-5	Lab	srgt LCS dup, rec	6/28/2018	Organic	2-Fluorobiphenyl	n/a	=	61	%	EPA 625	-88	-88	22	107	
2017/18-5	Lab	srgt method blank	7/3/2018	Organic	2-Fluorobiphenyl	n/a	=	2.71	µg/L	EPA 8270C	-88	-88			
2017/18-5	Lab	srgt method blank, rec	7/3/2018	Organic	2-Fluorobiphenyl	n/a	=	54	%	EPA 8270C	-88	-88	51	139	
2017/18-5	Lab	srgt LCS	7/3/2018	Organic	2-Fluorobiphenyl	n/a	=	3.37	µg/L	EPA 8270C	-88	-88			
2017/18-5	Lab	srgt LCS, rec	7/3/2018	Organic	2-Fluorobiphenyl	n/a	=	67	%	EPA 8270C	-88	-88	51	139	
2017/18-5	Lab	srgt LCS dup	7/3/2018	Organic	2-Fluorobiphenyl	n/a	=	2.72	µg/L	EPA 8270C	-88	-88			
2017/18-5	Lab	srgt LCS dup, rec	7/3/2018	Organic	2-Fluorobiphenyl	n/a	=	54	%	EPA 8270C	-88	-88	51	139	
2017/18-5	ME-CC	srgt environ	6/8/2018	Organic	2-Fluorobiphenyl	n/a	=	18.9	µg/L	EPA 625	-88	-88			
2017/18-5	ME-CC	srgt environ, rec	6/8/2018	Organic	2-Fluorobiphenyl	n/a	=	76	%	EPA 625	-88	-88	22	107	
2017/18-5	ME-CC	srgt environ	6/13/2018	Organic	2-Fluorobiphenyl	n/a	=	3.25	µg/L	EPA 8270C	-88	-88			
2017/18-5	ME-CC	srgt environ, rec	6/13/2018	Organic	2-Fluorobiphenyl	n/a	=	65	%	EPA 8270C	-88	-88	51	139	
2017/18-5	ME-SCR	srgt environ	6/14/2018	Organic	2-Fluorobiphenyl	n/a	=	3.08	µg/L	EPA 8270C	-88	-88			
2017/18-5	ME-SCR	srgt environ, rec	6/14/2018	Organic	2-Fluorobiphenyl	n/a	=	62	%	EPA 8270C	-88	-88	51	139	
2017/18-5	ME-SCR	srgt environ	6/19/2018	Organic	2-Fluorobiphenyl	n/a	=	14.6	µg/L	EPA 625	-88	-88			
2017/18-5	ME-SCR	srgt environ, rec	6/19/2018	Organic	2-Fluorobiphenyl	n/a	=	29	%	EPA 625	-88	-88	22	107	
2017/18-5	ME-VR2	srgt environ	6/29/2018	Organic	2-Fluorobiphenyl	n/a	=	18.4	µg/L	EPA 625	-88	-88			
2017/18-5	ME-VR2	srgt environ, rec	6/29/2018	Organic	2-Fluorobiphenyl	n/a	=	73	%	EPA 625	-88	-88	22	107	
2017/18-5	ME-VR2	srgt environ	7/3/2018	Organic	2-Fluorobiphenyl	n/a	=	3.1	µg/L	EPA 8270C	-88	-88			
2017/18-5	ME-VR2	srgt environ, rec	7/3/2018	Organic	2-Fluorobiphenyl	n/a	=	62	%	EPA 8270C	-88	-88	51	139	
2017/18-5	MO-CAM	srgt environ	6/8/2018	Organic	2-Fluorobiphenyl	n/a	=	16.7	µg/L	EPA 625	-88	-88			
2017/18-5	MO-CAM	srgt environ, rec	6/8/2018	Organic	2-Fluorobiphenyl	n/a	=	67	%	EPA 625	-88	-88	22	107	
2017/18-5	MO-CAM	srgt environ	6/13/2018	Organic	2-Fluorobiphenyl	n/a	=	2.63	µg/L	EPA 8270C	-88	-88			
2017/18-5	MO-CAM	srgt environ, rec	6/13/2018	Organic	2-Fluorobiphenyl	n/a	=	53	%	EPA 8270C	-88	-88	51	139	
2017/18-5	MO-FIL	srgt environ	6/14/2018	Organic	2-Fluorobiphenyl	n/a	=	2.88	µg/L	EPA 8270C	-88	-88			
2017/18-5	MO-FIL	srgt environ, rec	6/14/2018	Organic	2-Fluorobiphenyl	n/a	=	58	%	EPA 8270C	-88	-88	51	139	
2017/18-5	MO-FIL	srgt environ	6/19/2018	Organic	2-Fluorobiphenyl	n/a	=	16.4	µg/L	EPA 625	-88	-88			
2017/18-5	MO-FIL	srgt environ, rec	6/19/2018	Organic	2-Fluorobiphenyl	n/a	=	66	%	EPA 625	-88	-88	22	107	
2017/18-5	MO-HUE	srgt environ	6/8/2018	Organic	2-Fluorobiphenyl	n/a	=	15.7	µg/L	EPA 625	-88	-88			
2017/18-5	MO-HUE	srgt environ, rec	6/8/2018	Organic	2-Fluorobiphenyl	n/a	=	63	%	EPA 625	-88	-88	22	107	
2017/18-5	MO-HUE	srgt environ	6/13/2018	Organic	2-Fluorobiphenyl	n/a	=	3.4	µg/L	EPA 8270C	-88	-88			
2017/18-5	MO-HUE	srgt environ, rec	6/13/2018	Organic	2-Fluorobiphenyl	n/a	=	68	%	EPA 8270C	-88	-88	51	139	
2017/18-5	MO-OJA	srgt environ	6/29/2018	Organic	2-Fluorobiphenyl	n/a	=	17.6	µg/L	EPA 625	-88	-88			
2017/18-5	MO-OJA	srgt environ, rec	6/29/2018	Organic	2-Fluorobiphenyl	n/a	=	71	%	EPA 625	-88	-88	22	107	
2017/18-5	MO-OJA	srgt environ	7/3/2018	Organic	2-Fluorobiphenyl	n/a	=	2.58	µg/L	EPA 8270C	-88	-88			
2017/18-5	MO-OJA	srgt environ, rec	7/3/2018	Organic	2-Fluorobiphenyl	n/a	=	52	%	EPA 8270C	-88	-88	51	139	
2017/18-5	MO-SIM	srgt environ	6/8/2018	Organic	2-Fluorobiphenyl	n/a	=	16.2	µg/L	EPA 625	-88	-88			
2017/18-5	MO-SIM	srgt environ, rec	6/8/2018	Organic	2-Fluorobiphenyl	n/a	=	65	%	EPA 625	-88	-88	22	107	
2017/18-5	MO-SIM	srgt environ	6/13/2018	Organic	2-Fluorobiphenyl	n/a	=	3.13	µg/L	EPA 8270C	-88	-88			
2017/18-5	MO-SIM	srgt environ, rec	6/13/2018	Organic	2-Fluorobiphenyl	n/a	=	63	%	EPA 8270C	-88	-88	51	139	
2017/18-5	MO-THO	srgt environ	6/8/2018	Organic	2-Fluorobiphenyl	n/a	=	16.6	µg/L	EPA 625	-88	-88			
2017/18-5	MO-THO	srgt environ, rec	6/8/2018	Organic	2-Fluorobiphenyl	n/a	=	66	%	EPA 625	-88	-88	22	107	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	MO-THO	srgt environ	6/13/2018	Organic	2-Fluorobiphenyl	n/a	=	3.09	µg/L	EPA 8270C	-88	-88			
2017/18-5	MO-THO	srgt environ, rec	6/13/2018	Organic	2-Fluorobiphenyl	n/a	=	62	%	EPA 8270C	-88	-88	51	139	
2017/18-5	Lab	srgt method blank	6/8/2018	Organic	2-Fluorophenol	n/a	=	27.9	µg/L	EPA 625	-88	-88			
2017/18-5	Lab	srgt method blank, rec	6/8/2018	Organic	2-Fluorophenol	n/a	=	56	%	EPA 625	-88	-88	3	74	
2017/18-5	Lab	srgt LCS	6/8/2018	Organic	2-Fluorophenol	n/a	=	25.1	µg/L	EPA 625	-88	-88			
2017/18-5	Lab	srgt LCS, rec	6/8/2018	Organic	2-Fluorophenol	n/a	=	50	%	EPA 625	-88	-88	3	74	
2017/18-5	Lab	srgt LCS dup	6/8/2018	Organic	2-Fluorophenol	n/a	=	22.9	µg/L	EPA 625	-88	-88			
2017/18-5	Lab	srgt LCS dup, rec	6/8/2018	Organic	2-Fluorophenol	n/a	=	46	%	EPA 625	-88	-88	3	74	
2017/18-5	Lab	srgt method blank	6/12/2018	Organic	2-Fluorophenol	n/a	=	3.84	µg/L	EPA 8270C	-88	-88			
2017/18-5	Lab	srgt method blank, rec	6/12/2018	Organic	2-Fluorophenol	n/a	=	38	%	EPA 8270C	-88	-88	11	62	
2017/18-5	Lab	srgt LCS	6/12/2018	Organic	2-Fluorophenol	n/a	=	4.55	µg/L	EPA 8270C	-88	-88			
2017/18-5	Lab	srgt LCS, rec	6/12/2018	Organic	2-Fluorophenol	n/a	=	46	%	EPA 8270C	-88	-88	11	62	
2017/18-5	Lab	srgt LCS dup	6/12/2018	Organic	2-Fluorophenol	n/a	=	4.16	µg/L	EPA 8270C	-88	-88			
2017/18-5	Lab	srgt LCS dup, rec	6/12/2018	Organic	2-Fluorophenol	n/a	=	42	%	EPA 8270C	-88	-88	11	62	
2017/18-5	Lab	srgt method blank	6/18/2018	Organic	2-Fluorophenol	n/a	=	4	µg/L	EPA 8270C	-88	-88			
2017/18-5	Lab	srgt method blank, rec	6/18/2018	Organic	2-Fluorophenol	n/a	=	40	%	EPA 8270C	-88	-88	11	62	
2017/18-5	Lab	srgt LCS	6/18/2018	Organic	2-Fluorophenol	n/a	=	4.46	µg/L	EPA 8270C	-88	-88			
2017/18-5	Lab	srgt LCS, rec	6/18/2018	Organic	2-Fluorophenol	n/a	=	45	%	EPA 8270C	-88	-88	11	62	
2017/18-5	Lab	srgt LCS dup	6/18/2018	Organic	2-Fluorophenol	n/a	=	4.22	µg/L	EPA 8270C	-88	-88			
2017/18-5	Lab	srgt LCS dup, rec	6/18/2018	Organic	2-Fluorophenol	n/a	=	42	%	EPA 8270C	-88	-88	11	62	
2017/18-5	Lab	srgt method blank	6/19/2018	Organic	2-Fluorophenol	n/a	=	4.05	µg/L	EPA 8270C	-88	-88			
2017/18-5	Lab	srgt method blank, rec	6/19/2018	Organic	2-Fluorophenol	n/a	=	40	%	EPA 8270C	-88	-88	11	62	
2017/18-5	Lab	srgt LCS	6/19/2018	Organic	2-Fluorophenol	n/a	=	4.26	µg/L	EPA 8270C	-88	-88			
2017/18-5	Lab	srgt LCS, rec	6/19/2018	Organic	2-Fluorophenol	n/a	=	43	%	EPA 8270C	-88	-88	11	62	
2017/18-5	Lab	srgt LCS dup	6/19/2018	Organic	2-Fluorophenol	n/a	=	4.97	µg/L	EPA 8270C	-88	-88			
2017/18-5	Lab	srgt LCS dup, rec	6/19/2018	Organic	2-Fluorophenol	n/a	=	50	%	EPA 8270C	-88	-88	11	62	
2017/18-5	Lab	srgt method blank	6/19/2018	Organic	2-Fluorophenol	n/a	=	21	µg/L	EPA 625	-88	-88			
2017/18-5	Lab	srgt method blank, rec	6/19/2018	Organic	2-Fluorophenol	n/a	=	42	%	EPA 625	-88	-88	3	74	
2017/18-5	Lab	srgt LCS	6/19/2018	Organic	2-Fluorophenol	n/a	=	19.8	µg/L	EPA 625	-88	-88			
2017/18-5	Lab	srgt LCS, rec	6/19/2018	Organic	2-Fluorophenol	n/a	=	40	%	EPA 625	-88	-88	3	74	
2017/18-5	Lab	srgt LCS dup	6/19/2018	Organic	2-Fluorophenol	n/a	=	20.9	µg/L	EPA 625	-88	-88			
2017/18-5	Lab	srgt LCS dup, rec	6/19/2018	Organic	2-Fluorophenol	n/a	=	42	%	EPA 625	-88	-88	3	74	
2017/18-5	Lab	srgt method blank	6/28/2018	Organic	2-Fluorophenol	n/a	=	30.2	µg/L	EPA 625	-88	-88			
2017/18-5	Lab	srgt method blank, rec	6/28/2018	Organic	2-Fluorophenol	n/a	=	60	%	EPA 625	-88	-88	3	74	
2017/18-5	Lab	srgt LCS	6/28/2018	Organic	2-Fluorophenol	n/a	=	27.9	µg/L	EPA 625	-88	-88			
2017/18-5	Lab	srgt LCS, rec	6/28/2018	Organic	2-Fluorophenol	n/a	=	56	%	EPA 625	-88	-88	3	74	
2017/18-5	Lab	srgt LCS dup	6/28/2018	Organic	2-Fluorophenol	n/a	=	20.8	µg/L	EPA 625	-88	-88			
2017/18-5	Lab	srgt LCS dup, rec	6/28/2018	Organic	2-Fluorophenol	n/a	=	42	%	EPA 625	-88	-88	3	74	
2017/18-5	Lab	srgt method blank	7/3/2018	Organic	2-Fluorophenol	n/a	=	3.83	µg/L	EPA 8270C	-88	-88			
2017/18-5	Lab	srgt method blank, rec	7/3/2018	Organic	2-Fluorophenol	n/a	=	38	%	EPA 8270C	-88	-88	11	62	
2017/18-5	Lab	srgt LCS	7/3/2018	Organic	2-Fluorophenol	n/a	=	4.43	µg/L	EPA 8270C	-88	-88			
2017/18-5	Lab	srgt LCS, rec	7/3/2018	Organic	2-Fluorophenol	n/a	=	44	%	EPA 8270C	-88	-88	11	62	
2017/18-5	Lab	srgt LCS dup	7/3/2018	Organic	2-Fluorophenol	n/a	=	3.79	µg/L	EPA 8270C	-88	-88			
2017/18-5	Lab	srgt LCS dup, rec	7/3/2018	Organic	2-Fluorophenol	n/a	=	38	%	EPA 8270C	-88	-88	11	62	
2017/18-5	ME-CC	srgt environ	6/8/2018	Organic	2-Fluorophenol	n/a	=	26.7	µg/L	EPA 625	-88	-88			
2017/18-5	ME-CC	srgt environ, rec	6/8/2018	Organic	2-Fluorophenol	n/a	=	53	%	EPA 625	-88	-88	3	74	
2017/18-5	ME-CC	srgt environ	6/12/2018	Organic	2-Fluorophenol	n/a	=	4.15	µg/L	EPA 8270C	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	ME-CC	srgt environ, rec	6/12/2018	Organic	2-Fluorophenol	n/a	=	42	%	EPA 8270C	-88	-88	11	62	
2017/18-5	ME-SCR	srgt environ	6/19/2018	Organic	2-Fluorophenol	n/a	=	5.58	µg/L	EPA 8270C	-88	-88			
2017/18-5	ME-SCR	srgt environ, rec	6/19/2018	Organic	2-Fluorophenol	n/a	=	56	%	EPA 8270C	-88	-88	11	62	
2017/18-5	ME-SCR	srgt environ	6/19/2018	Organic	2-Fluorophenol	n/a	=	25.4	µg/L	EPA 625	-88	-88			
2017/18-5	ME-SCR	srgt environ, rec	6/19/2018	Organic	2-Fluorophenol	n/a	=	25	%	EPA 625	-88	-88	3	74	
2017/18-5	ME-VR2	srgt environ	6/29/2018	Organic	2-Fluorophenol	n/a	=	25.3	µg/L	EPA 625	-88	-88			
2017/18-5	ME-VR2	srgt environ, rec	6/29/2018	Organic	2-Fluorophenol	n/a	=	51	%	EPA 625	-88	-88	3	74	
2017/18-5	ME-VR2	srgt environ	7/3/2018	Organic	2-Fluorophenol	n/a	=	4.04	µg/L	EPA 8270C	-88	-88			
2017/18-5	ME-VR2	srgt environ, rec	7/3/2018	Organic	2-Fluorophenol	n/a	=	40	%	EPA 8270C	-88	-88	11	62	
2017/18-5	MO-CAM	srgt environ	6/8/2018	Organic	2-Fluorophenol	n/a	=	27.2	µg/L	EPA 625	-88	-88			
2017/18-5	MO-CAM	srgt environ, rec	6/8/2018	Organic	2-Fluorophenol	n/a	=	54	%	EPA 625	-88	-88	3	74	
2017/18-5	MO-CAM	srgt environ	6/12/2018	Organic	2-Fluorophenol	n/a	=	2.69	µg/L	EPA 8270C	-88	-88			
2017/18-5	MO-CAM	srgt environ, rec	6/12/2018	Organic	2-Fluorophenol	n/a	=	27	%	EPA 8270C	-88	-88	11	62	
2017/18-5	MO-FIL	srgt environ	6/19/2018	Organic	2-Fluorophenol	n/a	=	3.84	µg/L	EPA 8270C	-88	-88			
2017/18-5	MO-FIL	srgt environ, rec	6/19/2018	Organic	2-Fluorophenol	n/a	=	38	%	EPA 8270C	-88	-88	11	62	
2017/18-5	MO-FIL	srgt environ	6/19/2018	Organic	2-Fluorophenol	n/a	=	21.1	µg/L	EPA 625	-88	-88			
2017/18-5	MO-FIL	srgt environ, rec	6/19/2018	Organic	2-Fluorophenol	n/a	=	42	%	EPA 625	-88	-88	3	74	
2017/18-5	MO-HUE	srgt environ	6/8/2018	Organic	2-Fluorophenol	n/a	=	19.6	µg/L	EPA 625	-88	-88			
2017/18-5	MO-HUE	srgt environ, rec	6/8/2018	Organic	2-Fluorophenol	n/a	=	39	%	EPA 625	-88	-88	3	74	
2017/18-5	MO-HUE	srgt environ	6/12/2018	Organic	2-Fluorophenol	n/a	=	3.76	µg/L	EPA 8270C	-88	-88			
2017/18-5	MO-HUE	srgt environ, rec	6/12/2018	Organic	2-Fluorophenol	n/a	=	38	%	EPA 8270C	-88	-88	11	62	
2017/18-5	MO-OJA	srgt environ	6/29/2018	Organic	2-Fluorophenol	n/a	=	24.1	µg/L	EPA 625	-88	-88			
2017/18-5	MO-OJA	srgt environ, rec	6/29/2018	Organic	2-Fluorophenol	n/a	=	48	%	EPA 625	-88	-88	3	74	
2017/18-5	MO-OJA	srgt environ	7/3/2018	Organic	2-Fluorophenol	n/a	=	3.6	µg/L	EPA 8270C	-88	-88			
2017/18-5	MO-OJA	srgt environ, rec	7/3/2018	Organic	2-Fluorophenol	n/a	=	36	%	EPA 8270C	-88	-88	11	62	
2017/18-5	MO-SIM	srgt environ	6/8/2018	Organic	2-Fluorophenol	n/a	=	23.7	µg/L	EPA 625	-88	-88			
2017/18-5	MO-SIM	srgt environ, rec	6/8/2018	Organic	2-Fluorophenol	n/a	=	47	%	EPA 625	-88	-88	3	74	
2017/18-5	MO-SIM	srgt environ	6/12/2018	Organic	2-Fluorophenol	n/a	=	3.94	µg/L	EPA 8270C	-88	-88			
2017/18-5	MO-SIM	srgt environ, rec	6/12/2018	Organic	2-Fluorophenol	n/a	=	39	%	EPA 8270C	-88	-88	11	62	
2017/18-5	MO-THO	srgt environ	6/8/2018	Organic	2-Fluorophenol	n/a	=	19.9	µg/L	EPA 625	-88	-88			
2017/18-5	MO-THO	srgt environ, rec	6/8/2018	Organic	2-Fluorophenol	n/a	=	40	%	EPA 625	-88	-88	3	74	
2017/18-5	MO-THO	srgt environ	6/12/2018	Organic	2-Fluorophenol	n/a	=	3.78	µg/L	EPA 8270C	-88	-88			
2017/18-5	MO-THO	srgt environ, rec	6/12/2018	Organic	2-Fluorophenol	n/a	=	38	%	EPA 8270C	-88	-88	11	62	
2017/18-5	Lab	method blank	6/13/2018	Organic	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	method blank	6/14/2018	Organic	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	method blank	7/3/2018	Organic	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	method blank	6/12/2018	Organic	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1			
2017/18-5	Lab	method blank	6/19/2018	Organic	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1			
2017/18-5	Lab	method blank	7/3/2018	Organic	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1			
2017/18-5	Lab	method blank	6/8/2018	Organic	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2017/18-5	Lab	LCS	6/8/2018	Organic	2-Nitrophenol	n/a	=	17.9	µg/L	EPA 625	0.26	1			
2017/18-5	Lab	LCS, rec	6/8/2018	Organic	2-Nitrophenol	n/a	=	72	%	EPA 625	-88	-88	29	182	
2017/18-5	Lab	LCS dup	6/8/2018	Organic	2-Nitrophenol	n/a	=	17.8	µg/L	EPA 625	0.26	1			
2017/18-5	Lab	LCS dup, rec	6/8/2018	Organic	2-Nitrophenol	n/a	=	71	%	EPA 625	-88	-88	29	182	
2017/18-5	Lab	LCS, RPD	6/8/2018	Organic	2-Nitrophenol	n/a	=	0.6	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/12/2018	Organic	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1			
2017/18-5	Lab	LCS	6/12/2018	Organic	2-Nitrophenol	n/a	=	6.92	µg/L	EPA 8270C	0.71	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	LCS, rec	6/12/2018	Organic	2-Nitrophenol	n/a	=	69	%	EPA 8270C	-88	-88	33	103	
2017/18-5	Lab	LCS dup	6/12/2018	Organic	2-Nitrophenol	n/a	=	6.55	µg/L	EPA 8270C	0.71	1			
2017/18-5	Lab	LCS dup, rec	6/12/2018	Organic	2-Nitrophenol	n/a	=	66	%	EPA 8270C	-88	-88	33	103	
2017/18-5	Lab	LCS, RPD	6/12/2018	Organic	2-Nitrophenol	n/a	=	5	%	EPA 8270C	-88	-88	0	30	
2017/18-5	Lab	method blank	6/19/2018	Organic	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1			
2017/18-5	Lab	LCS	6/19/2018	Organic	2-Nitrophenol	n/a	=	6.68	µg/L	EPA 8270C	0.71	1			
2017/18-5	Lab	LCS, rec	6/19/2018	Organic	2-Nitrophenol	n/a	=	67	%	EPA 8270C	-88	-88	33	103	
2017/18-5	Lab	LCS dup	6/19/2018	Organic	2-Nitrophenol	n/a	=	7.78	µg/L	EPA 8270C	0.71	1			
2017/18-5	Lab	LCS dup, rec	6/19/2018	Organic	2-Nitrophenol	n/a	=	78	%	EPA 8270C	-88	-88	33	103	
2017/18-5	Lab	LCS, RPD	6/19/2018	Organic	2-Nitrophenol	n/a	=	15	%	EPA 8270C	-88	-88	0	30	
2017/18-5	Lab	method blank	6/19/2018	Organic	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2017/18-5	Lab	LCS	6/19/2018	Organic	2-Nitrophenol	n/a	=	14.9	µg/L	EPA 625	0.26	1			
2017/18-5	Lab	LCS, rec	6/19/2018	Organic	2-Nitrophenol	n/a	=	60	%	EPA 625	-88	-88	29	182	
2017/18-5	Lab	LCS dup	6/19/2018	Organic	2-Nitrophenol	n/a	=	15.6	µg/L	EPA 625	0.26	1			
2017/18-5	Lab	LCS dup, rec	6/19/2018	Organic	2-Nitrophenol	n/a	=	62	%	EPA 625	-88	-88	29	182	
2017/18-5	Lab	LCS, RPD	6/19/2018	Organic	2-Nitrophenol	n/a	=	4	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/28/2018	Organic	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2017/18-5	Lab	LCS	6/28/2018	Organic	2-Nitrophenol	n/a	=	18.5	µg/L	EPA 625	0.26	1			
2017/18-5	Lab	LCS, rec	6/28/2018	Organic	2-Nitrophenol	n/a	=	74	%	EPA 625	-88	-88	29	182	
2017/18-5	Lab	LCS dup	6/28/2018	Organic	2-Nitrophenol	n/a	=	14.6	µg/L	EPA 625	0.26	1			
2017/18-5	Lab	LCS dup, rec	6/28/2018	Organic	2-Nitrophenol	n/a	=	58	%	EPA 625	-88	-88	29	182	
2017/18-5	Lab	LCS, RPD	6/28/2018	Organic	2-Nitrophenol	n/a	=	24	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	7/3/2018	Organic	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1			
2017/18-5	Lab	LCS	7/3/2018	Organic	2-Nitrophenol	n/a	=	7.28	µg/L	EPA 8270C	0.71	1			
2017/18-5	Lab	LCS, rec	7/3/2018	Organic	2-Nitrophenol	n/a	=	73	%	EPA 8270C	-88	-88	33	103	
2017/18-5	Lab	LCS dup	7/3/2018	Organic	2-Nitrophenol	n/a	=	6.03	µg/L	EPA 8270C	0.71	1			
2017/18-5	Lab	LCS dup, rec	7/3/2018	Organic	2-Nitrophenol	n/a	=	60	%	EPA 8270C	-88	-88	33	103	
2017/18-5	Lab	LCS, RPD	7/3/2018	Organic	2-Nitrophenol	n/a	=	19	%	EPA 8270C	-88	-88	0	30	
2017/18-5	Lab	method blank	6/8/2018	Organic	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5			
2017/18-5	Lab	LCS	6/8/2018	Organic	3,3'-Dichlorobenzidine	n/a	=	10.8	µg/L	EPA 625	1.2	5			
2017/18-5	Lab	LCS, rec	6/8/2018	Organic	3,3'-Dichlorobenzidine	n/a	=	43	%	EPA 625	-88	-88	0.1	262	
2017/18-5	Lab	LCS dup	6/8/2018	Organic	3,3'-Dichlorobenzidine	n/a	=	10.8	µg/L	EPA 625	1.2	5			
2017/18-5	Lab	LCS dup, rec	6/8/2018	Organic	3,3'-Dichlorobenzidine	n/a	=	43	%	EPA 625	-88	-88	0.1	262	
2017/18-5	Lab	LCS, RPD	6/8/2018	Organic	3,3'-Dichlorobenzidine	n/a	=	0.03	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/19/2018	Organic	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5			
2017/18-5	Lab	LCS	6/19/2018	Organic	3,3'-Dichlorobenzidine	n/a	=	16.6	µg/L	EPA 625	1.2	5			
2017/18-5	Lab	LCS, rec	6/19/2018	Organic	3,3'-Dichlorobenzidine	n/a	=	66	%	EPA 625	-88	-88	0.1	262	
2017/18-5	Lab	LCS dup	6/19/2018	Organic	3,3'-Dichlorobenzidine	n/a	=	19	µg/L	EPA 625	1.2	5			
2017/18-5	Lab	LCS dup, rec	6/19/2018	Organic	3,3'-Dichlorobenzidine	n/a	=	76	%	EPA 625	-88	-88	0.1	262	
2017/18-5	Lab	LCS, RPD	6/19/2018	Organic	3,3'-Dichlorobenzidine	n/a	=	13	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/28/2018	Organic	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5			
2017/18-5	Lab	LCS	6/28/2018	Organic	3,3'-Dichlorobenzidine	n/a	=	16	µg/L	EPA 625	1.2	5			
2017/18-5	Lab	LCS, rec	6/28/2018	Organic	3,3'-Dichlorobenzidine	n/a	=	64	%	EPA 625	-88	-88	0.1	262	
2017/18-5	Lab	LCS dup	6/28/2018	Organic	3,3'-Dichlorobenzidine	n/a	=	15.4	µg/L	EPA 625	1.2	5			
2017/18-5	Lab	LCS dup, rec	6/28/2018	Organic	3,3'-Dichlorobenzidine	n/a	=	62	%	EPA 625	-88	-88	0.1	262	
2017/18-5	Lab	LCS, RPD	6/28/2018	Organic	3,3'-Dichlorobenzidine	n/a	=	4	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/12/2018	Organic	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	method blank	6/19/2018	Organic	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1			
2017/18-5	Lab	method blank	7/3/2018	Organic	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1			
2017/18-5	Lab	method blank	6/8/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5			
2017/18-5	Lab	LCS	6/8/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	=	19.7	µg/L	EPA 625	1.7	5			
2017/18-5	Lab	LCS, rec	6/8/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	=	79	%	EPA 625	-88	-88	0.1	181	
2017/18-5	Lab	LCS dup	6/8/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	=	20.8	µg/L	EPA 625	1.7	5			
2017/18-5	Lab	LCS dup, rec	6/8/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	=	83	%	EPA 625	-88	-88	0.1	181	
2017/18-5	Lab	LCS, RPD	6/8/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	=	5	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/18/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1			
2017/18-5	Lab	LCS	6/18/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	=	10.7	µg/L	EPA 8270C	0.14	1			
2017/18-5	Lab	LCS, rec	6/18/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	=	107	%	EPA 8270C	-88	-88	33	118	
2017/18-5	Lab	LCS dup	6/18/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	=	9.83	µg/L	EPA 8270C	0.14	1			
2017/18-5	Lab	LCS dup, rec	6/18/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	=	98	%	EPA 8270C	-88	-88	33	118	
2017/18-5	Lab	LCS, RPD	6/18/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	=	8	%	EPA 8270C	-88	-88	0	30	
2017/18-5	Lab	method blank	6/19/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1			
2017/18-5	Lab	LCS	6/19/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	=	9.73	µg/L	EPA 8270C	0.14	1			
2017/18-5	Lab	LCS, rec	6/19/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	=	97	%	EPA 8270C	-88	-88	33	118	
2017/18-5	Lab	LCS dup	6/19/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	=	9.88	µg/L	EPA 8270C	0.14	1			
2017/18-5	Lab	LCS dup, rec	6/19/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	=	99	%	EPA 8270C	-88	-88	33	118	
2017/18-5	Lab	LCS, RPD	6/19/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	=	2	%	EPA 8270C	-88	-88	0	30	
2017/18-5	Lab	method blank	6/19/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5			
2017/18-5	Lab	LCS	6/19/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	=	17.5	µg/L	EPA 625	1.7	5			
2017/18-5	Lab	LCS, rec	6/19/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	=	70	%	EPA 625	-88	-88	0.1	181	
2017/18-5	Lab	LCS dup	6/19/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	=	19.6	µg/L	EPA 625	1.7	5			
2017/18-5	Lab	LCS dup, rec	6/19/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	=	78	%	EPA 625	-88	-88	0.1	181	
2017/18-5	Lab	LCS, RPD	6/19/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	=	11	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/28/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5			
2017/18-5	Lab	LCS	6/28/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	=	16.2	µg/L	EPA 625	1.7	5			
2017/18-5	Lab	LCS, rec	6/28/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	=	65	%	EPA 625	-88	-88	0.1	181	
2017/18-5	Lab	LCS dup	6/28/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	=	14.2	µg/L	EPA 625	1.7	5			
2017/18-5	Lab	LCS dup, rec	6/28/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	=	57	%	EPA 625	-88	-88	0.1	181	
2017/18-5	Lab	LCS, RPD	6/28/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	=	13	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	7/3/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1			
2017/18-5	Lab	LCS	7/3/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	=	9.82	µg/L	EPA 8270C	0.14	1			
2017/18-5	Lab	LCS, rec	7/3/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	=	98	%	EPA 8270C	-88	-88	33	118	
2017/18-5	Lab	LCS dup	7/3/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	=	9.11	µg/L	EPA 8270C	0.14	1			
2017/18-5	Lab	LCS dup, rec	7/3/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	=	91	%	EPA 8270C	-88	-88	33	118	
2017/18-5	Lab	LCS, RPD	7/3/2018	Organic	4,6-Dinitro-2-methylphenol	n/a	=	8	%	EPA 8270C	-88	-88	0	30	
2017/18-5	000NONPJ	srgt matrix spike	6/12/2018	Organic	4-Bromofluorobenzene	n/a	=	49.1	µg/L	LUFT GC/MS	-88	-88			
2017/18-5	000NONPJ	srgt matrix spike, rec	6/12/2018	Organic	4-Bromofluorobenzene	n/a	=	98	%	LUFT GC/MS	-88	-88	83	110	
2017/18-5	000NONPJ	srgt matrix spike dup	6/12/2018	Organic	4-Bromofluorobenzene	n/a	=	48.2	µg/L	LUFT GC/MS	-88	-88			
2017/18-5	000NONPJ	srgt matrix spike dup, rec	6/12/2018	Organic	4-Bromofluorobenzene	n/a	=	96	%	LUFT GC/MS	-88	-88	83	110	
2017/18-5	Lab	srgt LCS	5/31/2018	Organic	4-Bromofluorobenzene	n/a	=	50.7	µg/L	LUFT GC/MS	-88	-88			
2017/18-5	Lab	srgt LCS, rec	5/31/2018	Organic	4-Bromofluorobenzene	n/a	=	101	%	LUFT GC/MS	-88	-88	83	110	
2017/18-5	Lab	srgt method blank	5/31/2018	Organic	4-Bromofluorobenzene	n/a	=	51.2	µg/L	LUFT GC/MS	-88	-88			
2017/18-5	Lab	srgt method blank, rec	5/31/2018	Organic	4-Bromofluorobenzene	n/a	=	102	%	LUFT GC/MS	-88	-88	83	110	
2017/18-5	Lab	srgt LCS	6/4/2018	Organic	4-Bromofluorobenzene	n/a	=	51.1	µg/L	EPA 624	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	srgt LCS, rec	6/4/2018	Organic	4-Bromofluorobenzene	n/a	=	102	%	EPA 624	-88	-88	88	108	
2017/18-5	Lab	srgt LCS dup	6/4/2018	Organic	4-Bromofluorobenzene	n/a	=	50.8	µg/L	EPA 624	-88	-88			
2017/18-5	Lab	srgt LCS dup, rec	6/4/2018	Organic	4-Bromofluorobenzene	n/a	=	102	%	EPA 624	-88	-88	88	108	
2017/18-5	Lab	srgt method blank	6/4/2018	Organic	4-Bromofluorobenzene	n/a	=	49.9	µg/L	EPA 624	-88	-88			
2017/18-5	Lab	srgt method blank, rec	6/4/2018	Organic	4-Bromofluorobenzene	n/a	=	100	%	EPA 624	-88	-88	88	108	
2017/18-5	Lab	srgt LCS	6/5/2018	Organic	4-Bromofluorobenzene	n/a	=	50.2	µg/L	EPA 624	-88	-88			
2017/18-5	Lab	srgt LCS, rec	6/5/2018	Organic	4-Bromofluorobenzene	n/a	=	100	%	EPA 624	-88	-88	88	108	
2017/18-5	Lab	srgt LCS dup	6/5/2018	Organic	4-Bromofluorobenzene	n/a	=	51.5	µg/L	EPA 624	-88	-88			
2017/18-5	Lab	srgt LCS dup, rec	6/5/2018	Organic	4-Bromofluorobenzene	n/a	=	103	%	EPA 624	-88	-88	88	108	
2017/18-5	Lab	srgt method blank	6/5/2018	Organic	4-Bromofluorobenzene	n/a	=	49.9	µg/L	EPA 624	-88	-88			
2017/18-5	Lab	srgt method blank, rec	6/5/2018	Organic	4-Bromofluorobenzene	n/a	=	100	%	EPA 624	-88	-88	88	108	
2017/18-5	Lab	srgt LCS	6/11/2018	Organic	4-Bromofluorobenzene	n/a	=	52	µg/L	EPA 624	-88	-88			
2017/18-5	Lab	srgt LCS, rec	6/11/2018	Organic	4-Bromofluorobenzene	n/a	=	104	%	EPA 624	-88	-88	88	108	
2017/18-5	Lab	srgt LCS dup	6/11/2018	Organic	4-Bromofluorobenzene	n/a	=	52.6	µg/L	EPA 624	-88	-88			
2017/18-5	Lab	srgt LCS dup, rec	6/11/2018	Organic	4-Bromofluorobenzene	n/a	=	105	%	EPA 624	-88	-88	88	108	
2017/18-5	Lab	srgt method blank	6/11/2018	Organic	4-Bromofluorobenzene	n/a	=	50.5	µg/L	EPA 624	-88	-88			
2017/18-5	Lab	srgt method blank, rec	6/11/2018	Organic	4-Bromofluorobenzene	n/a	=	101	%	EPA 624	-88	-88	88	108	
2017/18-5	Lab	srgt LCS	6/11/2018	Organic	4-Bromofluorobenzene	n/a	=	49.4	µg/L	LUFT GC/MS	-88	-88			
2017/18-5	Lab	srgt LCS, rec	6/11/2018	Organic	4-Bromofluorobenzene	n/a	=	99	%	LUFT GC/MS	-88	-88	83	110	
2017/18-5	Lab	srgt method blank	6/11/2018	Organic	4-Bromofluorobenzene	n/a	=	50.7	µg/L	LUFT GC/MS	-88	-88			
2017/18-5	Lab	srgt method blank, rec	6/11/2018	Organic	4-Bromofluorobenzene	n/a	=	101	%	LUFT GC/MS	-88	-88	83	110	
2017/18-5	Lab	srgt LCS	6/25/2018	Organic	4-Bromofluorobenzene	n/a	=	50.6	µg/L	EPA 624	-88	-88			
2017/18-5	Lab	srgt LCS, rec	6/25/2018	Organic	4-Bromofluorobenzene	n/a	=	101	%	EPA 624	-88	-88	88	108	
2017/18-5	Lab	srgt LCS dup	6/25/2018	Organic	4-Bromofluorobenzene	n/a	=	51.4	µg/L	EPA 624	-88	-88			
2017/18-5	Lab	srgt LCS dup, rec	6/25/2018	Organic	4-Bromofluorobenzene	n/a	=	103	%	EPA 624	-88	-88	88	108	
2017/18-5	Lab	srgt method blank	6/25/2018	Organic	4-Bromofluorobenzene	n/a	=	45.8	µg/L	EPA 624	-88	-88			
2017/18-5	Lab	srgt method blank, rec	6/25/2018	Organic	4-Bromofluorobenzene	n/a	=	92	%	EPA 624	-88	-88	88	108	
2017/18-5	Lab	srgt LCS	6/26/2018	Organic	4-Bromofluorobenzene	n/a	=	51.4	µg/L	LUFT GC/MS	-88	-88			
2017/18-5	Lab	srgt LCS, rec	6/26/2018	Organic	4-Bromofluorobenzene	n/a	=	103	%	LUFT GC/MS	-88	-88	83	110	
2017/18-5	Lab	srgt LCS dup	6/26/2018	Organic	4-Bromofluorobenzene	n/a	=	51.8	µg/L	LUFT GC/MS	-88	-88			
2017/18-5	Lab	srgt LCS dup, rec	6/26/2018	Organic	4-Bromofluorobenzene	n/a	=	104	%	LUFT GC/MS	-88	-88	83	110	
2017/18-5	Lab	srgt method blank	6/26/2018	Organic	4-Bromofluorobenzene	n/a	=	50.9	µg/L	LUFT GC/MS	-88	-88			
2017/18-5	Lab	srgt method blank, rec	6/26/2018	Organic	4-Bromofluorobenzene	n/a	=	102	%	LUFT GC/MS	-88	-88	83	110	
2017/18-5	ME-CC	srgt environ	5/31/2018	Organic	4-Bromofluorobenzene	n/a	=	50.4	µg/L	LUFT GC/MS	-88	-88			
2017/18-5	ME-CC	srgt environ, rec	5/31/2018	Organic	4-Bromofluorobenzene	n/a	=	101	%	LUFT GC/MS	-88	-88	83	110	
2017/18-5	ME-CC	srgt environ	6/4/2018	Organic	4-Bromofluorobenzene	n/a	=	50.1	µg/L	EPA 624	-88	-88			
2017/18-5	ME-CC	srgt environ, rec	6/4/2018	Organic	4-Bromofluorobenzene	n/a	=	100	%	EPA 624	-88	-88	88	108	
2017/18-5	ME-SCR	srgt environ	6/11/2018	Organic	4-Bromofluorobenzene	n/a	=	49.1	µg/L	EPA 624	-88	-88			
2017/18-5	ME-SCR	srgt environ, rec	6/11/2018	Organic	4-Bromofluorobenzene	n/a	=	98	%	EPA 624	-88	-88	88	108	
2017/18-5	ME-SCR	srgt environ	6/11/2018	Organic	4-Bromofluorobenzene	n/a	=	50.1	µg/L	LUFT GC/MS	-88	-88			
2017/18-5	ME-SCR	srgt environ, rec	6/11/2018	Organic	4-Bromofluorobenzene	n/a	=	100	%	LUFT GC/MS	-88	-88	83	110	
2017/18-5	ME-VR2	srgt environ	6/26/2018	Organic	4-Bromofluorobenzene	n/a	=	45.4	µg/L	EPA 624	-88	-88			
2017/18-5	ME-VR2	srgt environ, rec	6/26/2018	Organic	4-Bromofluorobenzene	n/a	=	91	%	EPA 624	-88	-88	88	108	
2017/18-5	ME-VR2	srgt environ	6/26/2018	Organic	4-Bromofluorobenzene	n/a	=	51.1	µg/L	LUFT GC/MS	-88	-88			
2017/18-5	ME-VR2	srgt environ, rec	6/26/2018	Organic	4-Bromofluorobenzene	n/a	=	102	%	LUFT GC/MS	-88	-88	83	110	
2017/18-5	MO-CAM	srgt environ	5/31/2018	Organic	4-Bromofluorobenzene	n/a	=	50.4	µg/L	LUFT GC/MS	-88	-88			
2017/18-5	MO-CAM	srgt environ, rec	5/31/2018	Organic	4-Bromofluorobenzene	n/a	=	101	%	LUFT GC/MS	-88	-88	83	110	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	MO-CAM	srgt environ	6/4/2018	Organic	4-Bromofluorobenzene	n/a	=	48.7	µg/L	EPA 624	-88	-88			
2017/18-5	MO-CAM	srgt environ, rec	6/4/2018	Organic	4-Bromofluorobenzene	n/a	=	97	%	EPA 624	-88	-88	88	108	
2017/18-5	MO-FIL	srgt environ	6/11/2018	Organic	4-Bromofluorobenzene	n/a	=	50.2	µg/L	EPA 624	-88	-88			
2017/18-5	MO-FIL	srgt environ, rec	6/11/2018	Organic	4-Bromofluorobenzene	n/a	=	100	%	EPA 624	-88	-88	88	108	
2017/18-5	MO-FIL	srgt environ	6/11/2018	Organic	4-Bromofluorobenzene	n/a	=	50	µg/L	LUFT GC/MS	-88	-88			
2017/18-5	MO-FIL	srgt environ, rec	6/11/2018	Organic	4-Bromofluorobenzene	n/a	=	100	%	LUFT GC/MS	-88	-88	83	110	
2017/18-5	MO-HUE	srgt environ	5/31/2018	Organic	4-Bromofluorobenzene	n/a	=	50.1	µg/L	LUFT GC/MS	-88	-88			
2017/18-5	MO-HUE	srgt environ, rec	5/31/2018	Organic	4-Bromofluorobenzene	n/a	=	100	%	LUFT GC/MS	-88	-88	83	110	
2017/18-5	MO-HUE	srgt matrix spike	5/31/2018	Organic	4-Bromofluorobenzene	n/a	=	49.9	µg/L	LUFT GC/MS	-88	-88			
2017/18-5	MO-HUE	srgt matrix spike, rec	5/31/2018	Organic	4-Bromofluorobenzene	n/a	=	100	%	LUFT GC/MS	-88	-88	83	110	
2017/18-5	MO-HUE	srgt matrix spike dup	5/31/2018	Organic	4-Bromofluorobenzene	n/a	=	48.8	µg/L	LUFT GC/MS	-88	-88			
2017/18-5	MO-HUE	srgt matrix spike dup, rec	5/31/2018	Organic	4-Bromofluorobenzene	n/a	=	98	%	LUFT GC/MS	-88	-88	83	110	
2017/18-5	MO-HUE	srgt environ	6/5/2018	Organic	4-Bromofluorobenzene	n/a	=	49.3	µg/L	EPA 624	-88	-88			
2017/18-5	MO-HUE	srgt environ, rec	6/5/2018	Organic	4-Bromofluorobenzene	n/a	=	99	%	EPA 624	-88	-88	88	108	
2017/18-5	MO-OJA	srgt environ	6/26/2018	Organic	4-Bromofluorobenzene	n/a	=	44.5	µg/L	EPA 624	-88	-88			
2017/18-5	MO-OJA	srgt environ, rec	6/26/2018	Organic	4-Bromofluorobenzene	n/a	=	89	%	EPA 624	-88	-88	88	108	
2017/18-5	MO-OJA	srgt environ	6/26/2018	Organic	4-Bromofluorobenzene	n/a	=	51	µg/L	LUFT GC/MS	-88	-88			
2017/18-5	MO-OJA	srgt environ, rec	6/26/2018	Organic	4-Bromofluorobenzene	n/a	=	102	%	LUFT GC/MS	-88	-88	83	110	
2017/18-5	MO-SIM	srgt environ	5/31/2018	Organic	4-Bromofluorobenzene	n/a	=	51.8	µg/L	LUFT GC/MS	-88	-88			
2017/18-5	MO-SIM	srgt environ, rec	5/31/2018	Organic	4-Bromofluorobenzene	n/a	=	104	%	LUFT GC/MS	-88	-88	83	110	
2017/18-5	MO-SIM	srgt environ	6/4/2018	Organic	4-Bromofluorobenzene	n/a	=	50.8	µg/L	EPA 624	-88	-88			
2017/18-5	MO-SIM	srgt environ, rec	6/4/2018	Organic	4-Bromofluorobenzene	n/a	=	102	%	EPA 624	-88	-88	88	108	
2017/18-5	MO-THO	srgt environ	5/31/2018	Organic	4-Bromofluorobenzene	n/a	=	51.1	µg/L	LUFT GC/MS	-88	-88			
2017/18-5	MO-THO	srgt environ, rec	5/31/2018	Organic	4-Bromofluorobenzene	n/a	=	102	%	LUFT GC/MS	-88	-88	83	110	
2017/18-5	MO-THO	srgt environ	6/5/2018	Organic	4-Bromofluorobenzene	n/a	=	51.2	µg/L	EPA 624	-88	-88			
2017/18-5	MO-THO	srgt environ, rec	6/5/2018	Organic	4-Bromofluorobenzene	n/a	=	102	%	EPA 624	-88	-88	88	108	
2017/18-5	MO-VEN	srgt environ	6/11/2018	Organic	4-Bromofluorobenzene	n/a	=	50.5	µg/L	EPA 624	-88	-88			
2017/18-5	MO-VEN	srgt environ, rec	6/11/2018	Organic	4-Bromofluorobenzene	n/a	=	101	%	EPA 624	-88	-88	88	108	
2017/18-5	MO-VEN	srgt environ	6/11/2018	Organic	4-Bromofluorobenzene	n/a	=	49.8	µg/L	LUFT GC/MS	-88	-88			
2017/18-5	MO-VEN	srgt environ, rec	6/11/2018	Organic	4-Bromofluorobenzene	n/a	=	100	%	LUFT GC/MS	-88	-88	83	110	
2017/18-5	Lab	method blank	6/8/2018	Organic	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2017/18-5	Lab	LCS	6/8/2018	Organic	4-Bromophenyl phenyl ether	n/a	=	19.6	µg/L	EPA 625	0.36	1			
2017/18-5	Lab	LCS, rec	6/8/2018	Organic	4-Bromophenyl phenyl ether	n/a	=	79	%	EPA 625	-88	-88	53	127	
2017/18-5	Lab	LCS dup	6/8/2018	Organic	4-Bromophenyl phenyl ether	n/a	=	20.9	µg/L	EPA 625	0.36	1			
2017/18-5	Lab	LCS dup, rec	6/8/2018	Organic	4-Bromophenyl phenyl ether	n/a	=	84	%	EPA 625	-88	-88	53	127	
2017/18-5	Lab	LCS, RPD	6/8/2018	Organic	4-Bromophenyl phenyl ether	n/a	=	6	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/19/2018	Organic	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2017/18-5	Lab	LCS	6/19/2018	Organic	4-Bromophenyl phenyl ether	n/a	=	15.9	µg/L	EPA 625	0.36	1			
2017/18-5	Lab	LCS, rec	6/19/2018	Organic	4-Bromophenyl phenyl ether	n/a	=	64	%	EPA 625	-88	-88	53	127	
2017/18-5	Lab	LCS dup	6/19/2018	Organic	4-Bromophenyl phenyl ether	n/a	=	17.2	µg/L	EPA 625	0.36	1			
2017/18-5	Lab	LCS dup, rec	6/19/2018	Organic	4-Bromophenyl phenyl ether	n/a	=	69	%	EPA 625	-88	-88	53	127	
2017/18-5	Lab	LCS, RPD	6/19/2018	Organic	4-Bromophenyl phenyl ether	n/a	=	7	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/28/2018	Organic	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2017/18-5	Lab	LCS	6/28/2018	Organic	4-Bromophenyl phenyl ether	n/a	=	19.4	µg/L	EPA 625	0.36	1			
2017/18-5	Lab	LCS, rec	6/28/2018	Organic	4-Bromophenyl phenyl ether	n/a	=	77	%	EPA 625	-88	-88	53	127	
2017/18-5	Lab	LCS dup	6/28/2018	Organic	4-Bromophenyl phenyl ether	n/a	=	15.7	µg/L	EPA 625	0.36	1			
2017/18-5	Lab	LCS dup, rec	6/28/2018	Organic	4-Bromophenyl phenyl ether	n/a	=	63	%	EPA 625	-88	-88	53	127	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	LCS, RPD	6/28/2018	Organic	4-Bromophenyl phenyl ether	n/a	=	21	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/8/2018	Organic	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1			
2017/18-5	Lab	LCS	6/8/2018	Organic	4-Chloro-3-methylphenol	n/a	=	17.2	µg/L	EPA 625	0.23	1			
2017/18-5	Lab	LCS, rec	6/8/2018	Organic	4-Chloro-3-methylphenol	n/a	=	69	%	EPA 625	-88	-88	22	147	
2017/18-5	Lab	LCS dup	6/8/2018	Organic	4-Chloro-3-methylphenol	n/a	=	17.4	µg/L	EPA 625	0.23	1			
2017/18-5	Lab	LCS dup, rec	6/8/2018	Organic	4-Chloro-3-methylphenol	n/a	=	70	%	EPA 625	-88	-88	22	147	
2017/18-5	Lab	LCS, RPD	6/8/2018	Organic	4-Chloro-3-methylphenol	n/a	=	1	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/12/2018	Organic	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1			
2017/18-5	Lab	LCS	6/12/2018	Organic	4-Chloro-3-methylphenol	n/a	=	7.67	µg/L	EPA 8270C	0.37	1			
2017/18-5	Lab	LCS, rec	6/12/2018	Organic	4-Chloro-3-methylphenol	n/a	=	77	%	EPA 8270C	-88	-88	29	108	
2017/18-5	Lab	LCS dup	6/12/2018	Organic	4-Chloro-3-methylphenol	n/a	=	7.14	µg/L	EPA 8270C	0.37	1			
2017/18-5	Lab	LCS dup, rec	6/12/2018	Organic	4-Chloro-3-methylphenol	n/a	=	71	%	EPA 8270C	-88	-88	29	108	
2017/18-5	Lab	LCS, RPD	6/12/2018	Organic	4-Chloro-3-methylphenol	n/a	=	7	%	EPA 8270C	-88	-88	0	30	
2017/18-5	Lab	method blank	6/19/2018	Organic	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1			
2017/18-5	Lab	LCS	6/19/2018	Organic	4-Chloro-3-methylphenol	n/a	=	6.5	µg/L	EPA 8270C	0.37	1			
2017/18-5	Lab	LCS, rec	6/19/2018	Organic	4-Chloro-3-methylphenol	n/a	=	65	%	EPA 8270C	-88	-88	29	108	
2017/18-5	Lab	LCS dup	6/19/2018	Organic	4-Chloro-3-methylphenol	n/a	=	7.1	µg/L	EPA 8270C	0.37	1			
2017/18-5	Lab	LCS dup, rec	6/19/2018	Organic	4-Chloro-3-methylphenol	n/a	=	71	%	EPA 8270C	-88	-88	29	108	
2017/18-5	Lab	LCS, RPD	6/19/2018	Organic	4-Chloro-3-methylphenol	n/a	=	9	%	EPA 8270C	-88	-88	0	30	
2017/18-5	Lab	method blank	6/19/2018	Organic	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1			
2017/18-5	Lab	LCS	6/19/2018	Organic	4-Chloro-3-methylphenol	n/a	=	13.9	µg/L	EPA 625	0.23	1			
2017/18-5	Lab	LCS, rec	6/19/2018	Organic	4-Chloro-3-methylphenol	n/a	=	56	%	EPA 625	-88	-88	22	147	
2017/18-5	Lab	LCS dup	6/19/2018	Organic	4-Chloro-3-methylphenol	n/a	=	14.8	µg/L	EPA 625	0.23	1			
2017/18-5	Lab	LCS dup, rec	6/19/2018	Organic	4-Chloro-3-methylphenol	n/a	=	59	%	EPA 625	-88	-88	22	147	
2017/18-5	Lab	LCS, RPD	6/19/2018	Organic	4-Chloro-3-methylphenol	n/a	=	6	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/28/2018	Organic	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1			
2017/18-5	Lab	LCS	6/28/2018	Organic	4-Chloro-3-methylphenol	n/a	=	19	µg/L	EPA 625	0.23	1			
2017/18-5	Lab	LCS, rec	6/28/2018	Organic	4-Chloro-3-methylphenol	n/a	=	76	%	EPA 625	-88	-88	22	147	
2017/18-5	Lab	LCS dup	6/28/2018	Organic	4-Chloro-3-methylphenol	n/a	=	13.7	µg/L	EPA 625	0.23	1			
2017/18-5	Lab	LCS dup, rec	6/28/2018	Organic	4-Chloro-3-methylphenol	n/a	=	55	%	EPA 625	-88	-88	22	147	
2017/18-5	Lab	LCS, RPD	6/28/2018	Organic	4-Chloro-3-methylphenol	n/a	=	32	%	EPA 625	-88	-88	0	30	IL
2017/18-5	Lab	method blank	7/3/2018	Organic	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1			
2017/18-5	Lab	LCS	7/3/2018	Organic	4-Chloro-3-methylphenol	n/a	=	7.07	µg/L	EPA 8270C	0.37	1			
2017/18-5	Lab	LCS, rec	7/3/2018	Organic	4-Chloro-3-methylphenol	n/a	=	71	%	EPA 8270C	-88	-88	29	108	
2017/18-5	Lab	LCS dup	7/3/2018	Organic	4-Chloro-3-methylphenol	n/a	=	5.99	µg/L	EPA 8270C	0.37	1			
2017/18-5	Lab	LCS dup, rec	7/3/2018	Organic	4-Chloro-3-methylphenol	n/a	=	60	%	EPA 8270C	-88	-88	29	108	
2017/18-5	Lab	LCS, RPD	7/3/2018	Organic	4-Chloro-3-methylphenol	n/a	=	16	%	EPA 8270C	-88	-88	0	30	
2017/18-5	Lab	method blank	6/8/2018	Organic	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1			
2017/18-5	Lab	LCS	6/8/2018	Organic	4-Chlorophenyl phenyl ether	n/a	=	18.7	µg/L	EPA 625	0.41	1			
2017/18-5	Lab	LCS, rec	6/8/2018	Organic	4-Chlorophenyl phenyl ether	n/a	=	75	%	EPA 625	-88	-88	25	158	
2017/18-5	Lab	LCS dup	6/8/2018	Organic	4-Chlorophenyl phenyl ether	n/a	=	19.6	µg/L	EPA 625	0.41	1			
2017/18-5	Lab	LCS dup, rec	6/8/2018	Organic	4-Chlorophenyl phenyl ether	n/a	=	79	%	EPA 625	-88	-88	25	158	
2017/18-5	Lab	LCS, RPD	6/8/2018	Organic	4-Chlorophenyl phenyl ether	n/a	=	5	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/19/2018	Organic	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1			
2017/18-5	Lab	LCS	6/19/2018	Organic	4-Chlorophenyl phenyl ether	n/a	=	15.3	µg/L	EPA 625	0.41	1			
2017/18-5	Lab	LCS, rec	6/19/2018	Organic	4-Chlorophenyl phenyl ether	n/a	=	61	%	EPA 625	-88	-88	25	158	
2017/18-5	Lab	LCS dup	6/19/2018	Organic	4-Chlorophenyl phenyl ether	n/a	=	16.3	µg/L	EPA 625	0.41	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	LCS dup, rec	6/19/2018	Organic	4-Chlorophenyl phenyl ether	n/a	=	65	%	EPA 625	-88	-88	25	158	
2017/18-5	Lab	LCS, RPD	6/19/2018	Organic	4-Chlorophenyl phenyl ether	n/a	=	6	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/28/2018	Organic	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1			
2017/18-5	Lab	LCS	6/28/2018	Organic	4-Chlorophenyl phenyl ether	n/a	=	19.9	µg/L	EPA 625	0.41	1			
2017/18-5	Lab	LCS, rec	6/28/2018	Organic	4-Chlorophenyl phenyl ether	n/a	=	80	%	EPA 625	-88	-88	25	158	
2017/18-5	Lab	LCS dup	6/28/2018	Organic	4-Chlorophenyl phenyl ether	n/a	=	14.9	µg/L	EPA 625	0.41	1			
2017/18-5	Lab	LCS dup, rec	6/28/2018	Organic	4-Chlorophenyl phenyl ether	n/a	=	60	%	EPA 625	-88	-88	25	158	
2017/18-5	Lab	LCS, RPD	6/28/2018	Organic	4-Chlorophenyl phenyl ether	n/a	=	29	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/8/2018	Organic	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5			
2017/18-5	Lab	LCS	6/8/2018	Organic	4-Nitrophenol	n/a	=	8.6	µg/L	EPA 625	0.45	5			
2017/18-5	Lab	LCS, rec	6/8/2018	Organic	4-Nitrophenol	n/a	=	34	%	EPA 625	-88	-88	0.1	132	
2017/18-5	Lab	LCS dup	6/8/2018	Organic	4-Nitrophenol	n/a	=	8.77	µg/L	EPA 625	0.45	5			
2017/18-5	Lab	LCS dup, rec	6/8/2018	Organic	4-Nitrophenol	n/a	=	35	%	EPA 625	-88	-88	0.1	132	
2017/18-5	Lab	LCS, RPD	6/8/2018	Organic	4-Nitrophenol	n/a	=	2	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/18/2018	Organic	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2			
2017/18-5	Lab	LCS	6/18/2018	Organic	4-Nitrophenol	n/a	=	4.63	µg/L	EPA 8270C	1	2			
2017/18-5	Lab	LCS, rec	6/18/2018	Organic	4-Nitrophenol	n/a	=	46	%	EPA 8270C	-88	-88	6	46	
2017/18-5	Lab	LCS dup	6/18/2018	Organic	4-Nitrophenol	n/a	=	3.94	µg/L	EPA 8270C	1	2			
2017/18-5	Lab	LCS dup, rec	6/18/2018	Organic	4-Nitrophenol	n/a	=	39	%	EPA 8270C	-88	-88	6	46	
2017/18-5	Lab	LCS, RPD	6/18/2018	Organic	4-Nitrophenol	n/a	=	16	%	EPA 8270C	-88	-88	0	30	
2017/18-5	Lab	method blank	6/19/2018	Organic	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2			
2017/18-5	Lab	LCS	6/19/2018	Organic	4-Nitrophenol	n/a	=	4.11	µg/L	EPA 8270C	1	2			
2017/18-5	Lab	LCS, rec	6/19/2018	Organic	4-Nitrophenol	n/a	=	41	%	EPA 8270C	-88	-88	6	46	
2017/18-5	Lab	LCS dup	6/19/2018	Organic	4-Nitrophenol	n/a	=	4.06	µg/L	EPA 8270C	1	2			
2017/18-5	Lab	LCS dup, rec	6/19/2018	Organic	4-Nitrophenol	n/a	=	41	%	EPA 8270C	-88	-88	6	46	
2017/18-5	Lab	LCS, RPD	6/19/2018	Organic	4-Nitrophenol	n/a	=	1	%	EPA 8270C	-88	-88	0	30	
2017/18-5	Lab	method blank	6/19/2018	Organic	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5			
2017/18-5	Lab	LCS	6/19/2018	Organic	4-Nitrophenol	n/a	=	8.05	µg/L	EPA 625	0.45	5			
2017/18-5	Lab	LCS, rec	6/19/2018	Organic	4-Nitrophenol	n/a	=	32	%	EPA 625	-88	-88	0.1	132	
2017/18-5	Lab	LCS dup	6/19/2018	Organic	4-Nitrophenol	n/a	=	8.68	µg/L	EPA 625	0.45	5			
2017/18-5	Lab	LCS dup, rec	6/19/2018	Organic	4-Nitrophenol	n/a	=	35	%	EPA 625	-88	-88	0.1	132	
2017/18-5	Lab	LCS, RPD	6/19/2018	Organic	4-Nitrophenol	n/a	=	8	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/28/2018	Organic	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5			
2017/18-5	Lab	LCS	6/28/2018	Organic	4-Nitrophenol	n/a	=	7.35	µg/L	EPA 625	0.45	5			
2017/18-5	Lab	LCS, rec	6/28/2018	Organic	4-Nitrophenol	n/a	=	29	%	EPA 625	-88	-88	0.1	132	
2017/18-5	Lab	LCS dup	6/28/2018	Organic	4-Nitrophenol	n/a	=	6.35	µg/L	EPA 625	0.45	5			
2017/18-5	Lab	LCS dup, rec	6/28/2018	Organic	4-Nitrophenol	n/a	=	25	%	EPA 625	-88	-88	0.1	132	
2017/18-5	Lab	LCS, RPD	6/28/2018	Organic	4-Nitrophenol	n/a	=	15	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	7/3/2018	Organic	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2			
2017/18-5	Lab	LCS	7/3/2018	Organic	4-Nitrophenol	n/a	=	4.5	µg/L	EPA 8270C	1	2			
2017/18-5	Lab	LCS, rec	7/3/2018	Organic	4-Nitrophenol	n/a	=	45	%	EPA 8270C	-88	-88	6	46	
2017/18-5	Lab	LCS dup	7/3/2018	Organic	4-Nitrophenol	n/a	=	4.36	µg/L	EPA 8270C	1	2			
2017/18-5	Lab	LCS dup, rec	7/3/2018	Organic	4-Nitrophenol	n/a	=	44	%	EPA 8270C	-88	-88	6	46	
2017/18-5	Lab	LCS, RPD	7/3/2018	Organic	4-Nitrophenol	n/a	=	3	%	EPA 8270C	-88	-88	0	30	
2017/18-5	Lab	method blank	6/8/2018	Organic	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2017/18-5	Lab	LCS	6/8/2018	Organic	Acenaphthene	n/a	=	18.5	µg/L	EPA 625	0.38	1			
2017/18-5	Lab	LCS, rec	6/8/2018	Organic	Acenaphthene	n/a	=	74	%	EPA 625	-88	-88	47	145	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	LCS dup	6/8/2018	Organic	Acenaphthene	n/a	=	20.1	µg/L	EPA 625	0.38	1			
2017/18-5	Lab	LCS dup, rec	6/8/2018	Organic	Acenaphthene	n/a	=	81	%	EPA 625	-88	-88	47	145	
2017/18-5	Lab	LCS, RPD	6/8/2018	Organic	Acenaphthene	n/a	=	8	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/13/2018	Organic	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS	6/13/2018	Organic	Acenaphthene	n/a	=	7.44	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS, rec	6/13/2018	Organic	Acenaphthene	n/a	=	74	%	EPA 8270C	-88	-88	11	122	
2017/18-5	Lab	LCS dup	6/13/2018	Organic	Acenaphthene	n/a	=	7.03	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS dup, rec	6/13/2018	Organic	Acenaphthene	n/a	=	70	%	EPA 8270C	-88	-88	11	122	
2017/18-5	Lab	LCS, RPD	6/13/2018	Organic	Acenaphthene	n/a	=	6	%	EPA 8270C	-88	-88	0	30	
2017/18-5	Lab	method blank	6/14/2018	Organic	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS	6/14/2018	Organic	Acenaphthene	n/a	=	6.58	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS, rec	6/14/2018	Organic	Acenaphthene	n/a	=	66	%	EPA 8270C	-88	-88	11	122	
2017/18-5	Lab	LCS dup	6/14/2018	Organic	Acenaphthene	n/a	=	7.2	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS dup, rec	6/14/2018	Organic	Acenaphthene	n/a	=	72	%	EPA 8270C	-88	-88	11	122	
2017/18-5	Lab	LCS, RPD	6/14/2018	Organic	Acenaphthene	n/a	=	9	%	EPA 8270C	-88	-88	0	30	
2017/18-5	Lab	method blank	6/19/2018	Organic	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2017/18-5	Lab	LCS	6/19/2018	Organic	Acenaphthene	n/a	=	15.2	µg/L	EPA 625	0.38	1			
2017/18-5	Lab	LCS, rec	6/19/2018	Organic	Acenaphthene	n/a	=	61	%	EPA 625	-88	-88	47	145	
2017/18-5	Lab	LCS dup	6/19/2018	Organic	Acenaphthene	n/a	=	15.6	µg/L	EPA 625	0.38	1			
2017/18-5	Lab	LCS dup, rec	6/19/2018	Organic	Acenaphthene	n/a	=	62	%	EPA 625	-88	-88	47	145	
2017/18-5	Lab	LCS, RPD	6/19/2018	Organic	Acenaphthene	n/a	=	3	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/28/2018	Organic	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2017/18-5	Lab	LCS	6/28/2018	Organic	Acenaphthene	n/a	=	20.2	µg/L	EPA 625	0.38	1			
2017/18-5	Lab	LCS, rec	6/28/2018	Organic	Acenaphthene	n/a	=	81	%	EPA 625	-88	-88	47	145	
2017/18-5	Lab	LCS dup	6/28/2018	Organic	Acenaphthene	n/a	=	15.8	µg/L	EPA 625	0.38	1			
2017/18-5	Lab	LCS dup, rec	6/28/2018	Organic	Acenaphthene	n/a	=	63	%	EPA 625	-88	-88	47	145	
2017/18-5	Lab	LCS, RPD	6/28/2018	Organic	Acenaphthene	n/a	=	25	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	7/3/2018	Organic	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS	7/3/2018	Organic	Acenaphthene	n/a	=	6.96	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS, rec	7/3/2018	Organic	Acenaphthene	n/a	=	70	%	EPA 8270C	-88	-88	11	122	
2017/18-5	Lab	LCS dup	7/3/2018	Organic	Acenaphthene	n/a	=	5.6	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS dup, rec	7/3/2018	Organic	Acenaphthene	n/a	=	56	%	EPA 8270C	-88	-88	11	122	
2017/18-5	Lab	LCS, RPD	7/3/2018	Organic	Acenaphthene	n/a	=	22	%	EPA 8270C	-88	-88	0	30	
2017/18-5	Lab	method blank	6/8/2018	Organic	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1			
2017/18-5	Lab	LCS	6/8/2018	Organic	Acenaphthylene	n/a	=	18.3	µg/L	EPA 625	0.4	1			
2017/18-5	Lab	LCS, rec	6/8/2018	Organic	Acenaphthylene	n/a	=	73	%	EPA 625	-88	-88	33	145	
2017/18-5	Lab	LCS dup	6/8/2018	Organic	Acenaphthylene	n/a	=	19	µg/L	EPA 625	0.4	1			
2017/18-5	Lab	LCS dup, rec	6/8/2018	Organic	Acenaphthylene	n/a	=	76	%	EPA 625	-88	-88	33	145	
2017/18-5	Lab	LCS, RPD	6/8/2018	Organic	Acenaphthylene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/13/2018	Organic	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS	6/13/2018	Organic	Acenaphthylene	n/a	=	8.06	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS, rec	6/13/2018	Organic	Acenaphthylene	n/a	=	81	%	EPA 8270C	-88	-88	4	135	
2017/18-5	Lab	LCS dup	6/13/2018	Organic	Acenaphthylene	n/a	=	7.63	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS dup, rec	6/13/2018	Organic	Acenaphthylene	n/a	=	76	%	EPA 8270C	-88	-88	4	135	
2017/18-5	Lab	LCS, RPD	6/13/2018	Organic	Acenaphthylene	n/a	=	5	%	EPA 8270C	-88	-88	0	30	
2017/18-5	Lab	method blank	6/14/2018	Organic	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS	6/14/2018	Organic	Acenaphthylene	n/a	=	7.19	µg/L	EPA 8270C	0.1	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	LCS, rec	6/14/2018	Organic	Acenaphthylene	n/a	=	72	%	EPA 8270C	-88	-88	4	135	
2017/18-5	Lab	LCS dup	6/14/2018	Organic	Acenaphthylene	n/a	=	7.86	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS dup, rec	6/14/2018	Organic	Acenaphthylene	n/a	=	79	%	EPA 8270C	-88	-88	4	135	
2017/18-5	Lab	LCS, RPD	6/14/2018	Organic	Acenaphthylene	n/a	=	9	%	EPA 8270C	-88	-88	0	30	
2017/18-5	Lab	method blank	6/19/2018	Organic	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1			
2017/18-5	Lab	LCS	6/19/2018	Organic	Acenaphthylene	n/a	=	15.2	µg/L	EPA 625	0.4	1			
2017/18-5	Lab	LCS, rec	6/19/2018	Organic	Acenaphthylene	n/a	=	61	%	EPA 625	-88	-88	33	145	
2017/18-5	Lab	LCS dup	6/19/2018	Organic	Acenaphthylene	n/a	=	16.2	µg/L	EPA 625	0.4	1			
2017/18-5	Lab	LCS dup, rec	6/19/2018	Organic	Acenaphthylene	n/a	=	65	%	EPA 625	-88	-88	33	145	
2017/18-5	Lab	LCS, RPD	6/19/2018	Organic	Acenaphthylene	n/a	=	6	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/28/2018	Organic	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1			
2017/18-5	Lab	LCS	6/28/2018	Organic	Acenaphthylene	n/a	=	19.8	µg/L	EPA 625	0.4	1			
2017/18-5	Lab	LCS, rec	6/28/2018	Organic	Acenaphthylene	n/a	=	79	%	EPA 625	-88	-88	33	145	
2017/18-5	Lab	LCS dup	6/28/2018	Organic	Acenaphthylene	n/a	=	15.1	µg/L	EPA 625	0.4	1			
2017/18-5	Lab	LCS dup, rec	6/28/2018	Organic	Acenaphthylene	n/a	=	60	%	EPA 625	-88	-88	33	145	
2017/18-5	Lab	LCS, RPD	6/28/2018	Organic	Acenaphthylene	n/a	=	27	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	7/3/2018	Organic	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS	7/3/2018	Organic	Acenaphthylene	n/a	=	7.63	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS, rec	7/3/2018	Organic	Acenaphthylene	n/a	=	76	%	EPA 8270C	-88	-88	4	135	
2017/18-5	Lab	LCS dup	7/3/2018	Organic	Acenaphthylene	n/a	=	6.2	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS dup, rec	7/3/2018	Organic	Acenaphthylene	n/a	=	62	%	EPA 8270C	-88	-88	4	135	
2017/18-5	Lab	LCS, RPD	7/3/2018	Organic	Acenaphthylene	n/a	=	21	%	EPA 8270C	-88	-88	0	30	
2017/18-5	Lab	method blank	6/8/2018	Organic	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1			
2017/18-5	Lab	LCS	6/8/2018	Organic	Anthracene	n/a	=	21.9	µg/L	EPA 625	0.34	1			
2017/18-5	Lab	LCS, rec	6/8/2018	Organic	Anthracene	n/a	=	88	%	EPA 625	-88	-88	27	133	
2017/18-5	Lab	LCS dup	6/8/2018	Organic	Anthracene	n/a	=	23.1	µg/L	EPA 625	0.34	1			
2017/18-5	Lab	LCS dup, rec	6/8/2018	Organic	Anthracene	n/a	=	92	%	EPA 625	-88	-88	27	133	
2017/18-5	Lab	LCS, RPD	6/8/2018	Organic	Anthracene	n/a	=	5	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/13/2018	Organic	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS	6/13/2018	Organic	Anthracene	n/a	=	7.7	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS, rec	6/13/2018	Organic	Anthracene	n/a	=	77	%	EPA 8270C	-88	-88	22	127	
2017/18-5	Lab	LCS dup	6/13/2018	Organic	Anthracene	n/a	=	7.54	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS dup, rec	6/13/2018	Organic	Anthracene	n/a	=	75	%	EPA 8270C	-88	-88	22	127	
2017/18-5	Lab	LCS, RPD	6/13/2018	Organic	Anthracene	n/a	=	2	%	EPA 8270C	-88	-88	0	30	
2017/18-5	Lab	method blank	6/14/2018	Organic	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS	6/14/2018	Organic	Anthracene	n/a	=	7.49	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS, rec	6/14/2018	Organic	Anthracene	n/a	=	75	%	EPA 8270C	-88	-88	22	127	
2017/18-5	Lab	LCS dup	6/14/2018	Organic	Anthracene	n/a	=	7.39	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS dup, rec	6/14/2018	Organic	Anthracene	n/a	=	74	%	EPA 8270C	-88	-88	22	127	
2017/18-5	Lab	LCS, RPD	6/14/2018	Organic	Anthracene	n/a	=	1	%	EPA 8270C	-88	-88	0	30	
2017/18-5	Lab	method blank	6/19/2018	Organic	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1			
2017/18-5	Lab	LCS	6/19/2018	Organic	Anthracene	n/a	=	17.6	µg/L	EPA 625	0.34	1			
2017/18-5	Lab	LCS, rec	6/19/2018	Organic	Anthracene	n/a	=	70	%	EPA 625	-88	-88	27	133	
2017/18-5	Lab	LCS dup	6/19/2018	Organic	Anthracene	n/a	=	18.7	µg/L	EPA 625	0.34	1			
2017/18-5	Lab	LCS dup, rec	6/19/2018	Organic	Anthracene	n/a	=	75	%	EPA 625	-88	-88	27	133	
2017/18-5	Lab	LCS, RPD	6/19/2018	Organic	Anthracene	n/a	=	6	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/28/2018	Organic	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	LCS	6/28/2018	Organic	Anthracene	n/a	=	22	µg/L	EPA 625	0.34	1			
2017/18-5	Lab	LCS, rec	6/28/2018	Organic	Anthracene	n/a	=	88	%	EPA 625	-88	-88	27	133	
2017/18-5	Lab	LCS dup	6/28/2018	Organic	Anthracene	n/a	=	19.7	µg/L	EPA 625	0.34	1			
2017/18-5	Lab	LCS dup, rec	6/28/2018	Organic	Anthracene	n/a	=	79	%	EPA 625	-88	-88	27	133	
2017/18-5	Lab	LCS, RPD	6/28/2018	Organic	Anthracene	n/a	=	11	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	7/3/2018	Organic	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS	7/3/2018	Organic	Anthracene	n/a	=	6.95	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS, rec	7/3/2018	Organic	Anthracene	n/a	=	70	%	EPA 8270C	-88	-88	22	127	
2017/18-5	Lab	LCS dup	7/3/2018	Organic	Anthracene	n/a	=	6.02	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS dup, rec	7/3/2018	Organic	Anthracene	n/a	=	60	%	EPA 8270C	-88	-88	22	127	
2017/18-5	Lab	LCS, RPD	7/3/2018	Organic	Anthracene	n/a	=	14	%	EPA 8270C	-88	-88	0	30	
2017/18-5	Lab	method blank	6/8/2018	Organic	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2017/18-5	Lab	LCS	6/8/2018	Organic	Benz(a)anthracene	n/a	=	19	µg/L	EPA 625	0.19	1			
2017/18-5	Lab	LCS, rec	6/8/2018	Organic	Benz(a)anthracene	n/a	=	76	%	EPA 625	-88	-88	33	143	
2017/18-5	Lab	LCS dup	6/8/2018	Organic	Benz(a)anthracene	n/a	=	20.1	µg/L	EPA 625	0.19	1			
2017/18-5	Lab	LCS dup, rec	6/8/2018	Organic	Benz(a)anthracene	n/a	=	80	%	EPA 625	-88	-88	33	143	
2017/18-5	Lab	LCS, RPD	6/8/2018	Organic	Benz(a)anthracene	n/a	=	5	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/13/2018	Organic	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS	6/13/2018	Organic	Benz(a)anthracene	n/a	=	12.6	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS, rec	6/13/2018	Organic	Benz(a)anthracene	n/a	=	126	%	EPA 8270C	-88	-88	17	131	
2017/18-5	Lab	LCS dup	6/13/2018	Organic	Benz(a)anthracene	n/a	=	12.3	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS dup, rec	6/13/2018	Organic	Benz(a)anthracene	n/a	=	123	%	EPA 8270C	-88	-88	17	131	
2017/18-5	Lab	LCS, RPD	6/13/2018	Organic	Benz(a)anthracene	n/a	=	3	%	EPA 8270C	-88	-88	0	30	
2017/18-5	Lab	method blank	6/14/2018	Organic	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS	6/14/2018	Organic	Benz(a)anthracene	n/a	=	11.9	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS, rec	6/14/2018	Organic	Benz(a)anthracene	n/a	=	119	%	EPA 8270C	-88	-88	17	131	
2017/18-5	Lab	LCS dup	6/14/2018	Organic	Benz(a)anthracene	n/a	=	12.8	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS dup, rec	6/14/2018	Organic	Benz(a)anthracene	n/a	=	128	%	EPA 8270C	-88	-88	17	131	
2017/18-5	Lab	LCS, RPD	6/14/2018	Organic	Benz(a)anthracene	n/a	=	7	%	EPA 8270C	-88	-88	0	30	
2017/18-5	Lab	method blank	6/19/2018	Organic	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2017/18-5	Lab	LCS	6/19/2018	Organic	Benz(a)anthracene	n/a	=	19.7	µg/L	EPA 625	0.19	1			
2017/18-5	Lab	LCS, rec	6/19/2018	Organic	Benz(a)anthracene	n/a	=	79	%	EPA 625	-88	-88	33	143	
2017/18-5	Lab	LCS dup	6/19/2018	Organic	Benz(a)anthracene	n/a	=	21.9	µg/L	EPA 625	0.19	1			
2017/18-5	Lab	LCS dup, rec	6/19/2018	Organic	Benz(a)anthracene	n/a	=	88	%	EPA 625	-88	-88	33	143	
2017/18-5	Lab	LCS, RPD	6/19/2018	Organic	Benz(a)anthracene	n/a	=	10	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/28/2018	Organic	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2017/18-5	Lab	LCS	6/28/2018	Organic	Benz(a)anthracene	n/a	=	18.4	µg/L	EPA 625	0.19	1			
2017/18-5	Lab	LCS, rec	6/28/2018	Organic	Benz(a)anthracene	n/a	=	74	%	EPA 625	-88	-88	33	143	
2017/18-5	Lab	LCS dup	6/28/2018	Organic	Benz(a)anthracene	n/a	=	17.7	µg/L	EPA 625	0.19	1			
2017/18-5	Lab	LCS dup, rec	6/28/2018	Organic	Benz(a)anthracene	n/a	=	71	%	EPA 625	-88	-88	33	143	
2017/18-5	Lab	LCS, RPD	6/28/2018	Organic	Benz(a)anthracene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	7/3/2018	Organic	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS	7/3/2018	Organic	Benz(a)anthracene	n/a	=	10.5	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS, rec	7/3/2018	Organic	Benz(a)anthracene	n/a	=	105	%	EPA 8270C	-88	-88	17	131	
2017/18-5	Lab	LCS dup	7/3/2018	Organic	Benz(a)anthracene	n/a	=	10.5	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS dup, rec	7/3/2018	Organic	Benz(a)anthracene	n/a	=	105	%	EPA 8270C	-88	-88	17	131	
2017/18-5	Lab	LCS, RPD	7/3/2018	Organic	Benz(a)anthracene	n/a	=	0.5	%	EPA 8270C	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	method blank	6/8/2018	Organic	Benidine	n/a	<	3.7	µg/L	EPA 625	3.7	10			
2017/18-5	Lab	method blank	6/19/2018	Organic	Benidine	n/a	<	3.7	µg/L	EPA 625	3.7	10			
2017/18-5	Lab	method blank	6/28/2018	Organic	Benidine	n/a	<	3.7	µg/L	EPA 625	3.7	10			
2017/18-5	Lab	method blank	6/6/2018	Organic	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1			
2017/18-5	Lab	LCS	6/6/2018	Organic	Benzo(a)pyrene	n/a	=	4.75	µg/L	EPA 525.2	0.07	0.1			
2017/18-5	Lab	LCS, rec	6/6/2018	Organic	Benzo(a)pyrene	n/a	=	95	%	EPA 525.2	-88	-88	60	130	
2017/18-5	Lab	LCS dup	6/6/2018	Organic	Benzo(a)pyrene	n/a	=	5	µg/L	EPA 525.2	0.07	0.1			
2017/18-5	Lab	LCS dup, rec	6/6/2018	Organic	Benzo(a)pyrene	n/a	=	100	%	EPA 525.2	-88	-88	60	130	
2017/18-5	Lab	LCS, RPD	6/6/2018	Organic	Benzo(a)pyrene	n/a	=	5	%	EPA 525.2	-88	-88	0	30	
2017/18-5	Lab	method blank	6/8/2018	Organic	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1			
2017/18-5	Lab	LCS	6/8/2018	Organic	Benzo(a)pyrene	n/a	=	16.5	µg/L	EPA 625	0.13	1			
2017/18-5	Lab	LCS, rec	6/8/2018	Organic	Benzo(a)pyrene	n/a	=	66	%	EPA 625	-88	-88	17	163	
2017/18-5	Lab	LCS dup	6/8/2018	Organic	Benzo(a)pyrene	n/a	=	15.8	µg/L	EPA 625	0.13	1			
2017/18-5	Lab	LCS dup, rec	6/8/2018	Organic	Benzo(a)pyrene	n/a	=	63	%	EPA 625	-88	-88	17	163	
2017/18-5	Lab	LCS, RPD	6/8/2018	Organic	Benzo(a)pyrene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/13/2018	Organic	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS	6/13/2018	Organic	Benzo(a)pyrene	n/a	=	10.2	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS, rec	6/13/2018	Organic	Benzo(a)pyrene	n/a	=	102	%	EPA 8270C	-88	-88	12	131	
2017/18-5	Lab	LCS dup	6/13/2018	Organic	Benzo(a)pyrene	n/a	=	9.75	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS dup, rec	6/13/2018	Organic	Benzo(a)pyrene	n/a	=	98	%	EPA 8270C	-88	-88	12	131	
2017/18-5	Lab	LCS, RPD	6/13/2018	Organic	Benzo(a)pyrene	n/a	=	5	%	EPA 8270C	-88	-88	0	30	
2017/18-5	Lab	method blank	6/14/2018	Organic	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1			
2017/18-5	Lab	LCS	6/14/2018	Organic	Benzo(a)pyrene	n/a	=	4.79	µg/L	EPA 525.2	0.07	0.1			
2017/18-5	Lab	LCS, rec	6/14/2018	Organic	Benzo(a)pyrene	n/a	=	96	%	EPA 525.2	-88	-88	60	130	
2017/18-5	Lab	LCS dup	6/14/2018	Organic	Benzo(a)pyrene	n/a	=	4.7	µg/L	EPA 525.2	0.07	0.1			
2017/18-5	Lab	LCS dup, rec	6/14/2018	Organic	Benzo(a)pyrene	n/a	=	94	%	EPA 525.2	-88	-88	60	130	
2017/18-5	Lab	LCS, RPD	6/14/2018	Organic	Benzo(a)pyrene	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2017/18-5	Lab	method blank	6/14/2018	Organic	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS	6/14/2018	Organic	Benzo(a)pyrene	n/a	=	8.91	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS, rec	6/14/2018	Organic	Benzo(a)pyrene	n/a	=	89	%	EPA 8270C	-88	-88	12	131	
2017/18-5	Lab	LCS dup	6/14/2018	Organic	Benzo(a)pyrene	n/a	=	9.5	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS dup, rec	6/14/2018	Organic	Benzo(a)pyrene	n/a	=	95	%	EPA 8270C	-88	-88	12	131	
2017/18-5	Lab	LCS, RPD	6/14/2018	Organic	Benzo(a)pyrene	n/a	=	6	%	EPA 8270C	-88	-88	0	30	
2017/18-5	Lab	method blank	6/19/2018	Organic	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1			
2017/18-5	Lab	LCS	6/19/2018	Organic	Benzo(a)pyrene	n/a	=	18.4	µg/L	EPA 625	0.13	1			
2017/18-5	Lab	LCS, rec	6/19/2018	Organic	Benzo(a)pyrene	n/a	=	73	%	EPA 625	-88	-88	17	163	
2017/18-5	Lab	LCS dup	6/19/2018	Organic	Benzo(a)pyrene	n/a	=	20.6	µg/L	EPA 625	0.13	1			
2017/18-5	Lab	LCS dup, rec	6/19/2018	Organic	Benzo(a)pyrene	n/a	=	82	%	EPA 625	-88	-88	17	163	
2017/18-5	Lab	LCS, RPD	6/19/2018	Organic	Benzo(a)pyrene	n/a	=	12	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/28/2018	Organic	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1			
2017/18-5	Lab	LCS	6/28/2018	Organic	Benzo(a)pyrene	n/a	=	20.2	µg/L	EPA 625	0.13	1			
2017/18-5	Lab	LCS, rec	6/28/2018	Organic	Benzo(a)pyrene	n/a	=	81	%	EPA 625	-88	-88	17	163	
2017/18-5	Lab	LCS dup	6/28/2018	Organic	Benzo(a)pyrene	n/a	=	18.6	µg/L	EPA 625	0.13	1			
2017/18-5	Lab	LCS dup, rec	6/28/2018	Organic	Benzo(a)pyrene	n/a	=	75	%	EPA 625	-88	-88	17	163	
2017/18-5	Lab	LCS, RPD	6/28/2018	Organic	Benzo(a)pyrene	n/a	=	8	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/29/2018	Organic	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1			
2017/18-5	Lab	LCS	6/29/2018	Organic	Benzo(a)pyrene	n/a	=	4.72	µg/L	EPA 525.2	0.07	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	LCS, rec	6/29/2018	Organic	Benzo(a)pyrene	n/a	=	94	%	EPA 525.2	-88	-88	60	130	
2017/18-5	Lab	LCS dup	6/29/2018	Organic	Benzo(a)pyrene	n/a	=	4.67	µg/L	EPA 525.2	0.07	0.1			
2017/18-5	Lab	LCS dup, rec	6/29/2018	Organic	Benzo(a)pyrene	n/a	=	93	%	EPA 525.2	-88	-88	60	130	
2017/18-5	Lab	LCS, RPD	6/29/2018	Organic	Benzo(a)pyrene	n/a	=	1	%	EPA 525.2	-88	-88	0	30	
2017/18-5	Lab	method blank	7/2/2018	Organic	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1			
2017/18-5	Lab	LCS	7/2/2018	Organic	Benzo(a)pyrene	n/a	=	4.6	µg/L	EPA 525.2	0.07	0.1			
2017/18-5	Lab	LCS, rec	7/2/2018	Organic	Benzo(a)pyrene	n/a	=	92	%	EPA 525.2	-88	-88	60	130	
2017/18-5	Lab	LCS dup	7/2/2018	Organic	Benzo(a)pyrene	n/a	=	4.53	µg/L	EPA 525.2	0.07	0.1			
2017/18-5	Lab	LCS dup, rec	7/2/2018	Organic	Benzo(a)pyrene	n/a	=	91	%	EPA 525.2	-88	-88	60	130	
2017/18-5	Lab	LCS, RPD	7/2/2018	Organic	Benzo(a)pyrene	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2017/18-5	Lab	method blank	7/3/2018	Organic	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS	7/3/2018	Organic	Benzo(a)pyrene	n/a	=	9.63	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS, rec	7/3/2018	Organic	Benzo(a)pyrene	n/a	=	96	%	EPA 8270C	-88	-88	12	131	
2017/18-5	Lab	LCS dup	7/3/2018	Organic	Benzo(a)pyrene	n/a	=	9.17	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS dup, rec	7/3/2018	Organic	Benzo(a)pyrene	n/a	=	92	%	EPA 8270C	-88	-88	12	131	
2017/18-5	Lab	LCS, RPD	7/3/2018	Organic	Benzo(a)pyrene	n/a	=	5	%	EPA 8270C	-88	-88	0	30	
2017/18-5	Lab	method blank	6/8/2018	Organic	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1			
2017/18-5	Lab	LCS	6/8/2018	Organic	Benzo(b)fluoranthene	n/a	=	18.1	µg/L	EPA 625	0.14	1			
2017/18-5	Lab	LCS, rec	6/8/2018	Organic	Benzo(b)fluoranthene	n/a	=	72	%	EPA 625	-88	-88	24	159	
2017/18-5	Lab	LCS dup	6/8/2018	Organic	Benzo(b)fluoranthene	n/a	=	18.5	µg/L	EPA 625	0.14	1			
2017/18-5	Lab	LCS dup, rec	6/8/2018	Organic	Benzo(b)fluoranthene	n/a	=	74	%	EPA 625	-88	-88	24	159	
2017/18-5	Lab	LCS, RPD	6/8/2018	Organic	Benzo(b)fluoranthene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/13/2018	Organic	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS	6/13/2018	Organic	Benzo(b)fluoranthene	n/a	=	9.92	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS, rec	6/13/2018	Organic	Benzo(b)fluoranthene	n/a	=	99	%	EPA 8270C	-88	-88	19	129	
2017/18-5	Lab	LCS dup	6/13/2018	Organic	Benzo(b)fluoranthene	n/a	=	9.59	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS dup, rec	6/13/2018	Organic	Benzo(b)fluoranthene	n/a	=	96	%	EPA 8270C	-88	-88	19	129	
2017/18-5	Lab	LCS, RPD	6/13/2018	Organic	Benzo(b)fluoranthene	n/a	=	3	%	EPA 8270C	-88	-88	0	30	
2017/18-5	Lab	method blank	6/14/2018	Organic	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS	6/14/2018	Organic	Benzo(b)fluoranthene	n/a	=	8.93	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS, rec	6/14/2018	Organic	Benzo(b)fluoranthene	n/a	=	89	%	EPA 8270C	-88	-88	19	129	
2017/18-5	Lab	LCS dup	6/14/2018	Organic	Benzo(b)fluoranthene	n/a	=	9.42	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS dup, rec	6/14/2018	Organic	Benzo(b)fluoranthene	n/a	=	94	%	EPA 8270C	-88	-88	19	129	
2017/18-5	Lab	LCS, RPD	6/14/2018	Organic	Benzo(b)fluoranthene	n/a	=	5	%	EPA 8270C	-88	-88	0	30	
2017/18-5	Lab	method blank	6/19/2018	Organic	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1			
2017/18-5	Lab	LCS	6/19/2018	Organic	Benzo(b)fluoranthene	n/a	=	19.2	µg/L	EPA 625	0.14	1			
2017/18-5	Lab	LCS, rec	6/19/2018	Organic	Benzo(b)fluoranthene	n/a	=	77	%	EPA 625	-88	-88	24	159	
2017/18-5	Lab	LCS dup	6/19/2018	Organic	Benzo(b)fluoranthene	n/a	=	20.8	µg/L	EPA 625	0.14	1			
2017/18-5	Lab	LCS dup, rec	6/19/2018	Organic	Benzo(b)fluoranthene	n/a	=	83	%	EPA 625	-88	-88	24	159	
2017/18-5	Lab	LCS, RPD	6/19/2018	Organic	Benzo(b)fluoranthene	n/a	=	8	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/28/2018	Organic	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1			
2017/18-5	Lab	LCS	6/28/2018	Organic	Benzo(b)fluoranthene	n/a	=	21	µg/L	EPA 625	0.14	1			
2017/18-5	Lab	LCS, rec	6/28/2018	Organic	Benzo(b)fluoranthene	n/a	=	84	%	EPA 625	-88	-88	24	159	
2017/18-5	Lab	LCS dup	6/28/2018	Organic	Benzo(b)fluoranthene	n/a	=	19.8	µg/L	EPA 625	0.14	1			
2017/18-5	Lab	LCS dup, rec	6/28/2018	Organic	Benzo(b)fluoranthene	n/a	=	79	%	EPA 625	-88	-88	24	159	
2017/18-5	Lab	LCS, RPD	6/28/2018	Organic	Benzo(b)fluoranthene	n/a	=	6	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	7/3/2018	Organic	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	LCS	7/3/2018	Organic	Benzo(b)fluoranthene	n/a	=	8.98	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS, rec	7/3/2018	Organic	Benzo(b)fluoranthene	n/a	=	90	%	EPA 8270C	-88	-88	19	129	
2017/18-5	Lab	LCS dup	7/3/2018	Organic	Benzo(b)fluoranthene	n/a	=	8.36	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS dup, rec	7/3/2018	Organic	Benzo(b)fluoranthene	n/a	=	84	%	EPA 8270C	-88	-88	19	129	
2017/18-5	Lab	LCS, RPD	7/3/2018	Organic	Benzo(b)fluoranthene	n/a	=	7	%	EPA 8270C	-88	-88	0	30	
2017/18-5	Lab	method blank	6/8/2018	Organic	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2			
2017/18-5	Lab	LCS	6/8/2018	Organic	Benzo(g,h,i)perylene	n/a	=	15.3	µg/L	EPA 625	0.1	2			
2017/18-5	Lab	LCS, rec	6/8/2018	Organic	Benzo(g,h,i)perylene	n/a	=	61	%	EPA 625	-88	-88	0.1	219	
2017/18-5	Lab	LCS dup	6/8/2018	Organic	Benzo(g,h,i)perylene	n/a	=	12.9	µg/L	EPA 625	0.1	2			
2017/18-5	Lab	LCS dup, rec	6/8/2018	Organic	Benzo(g,h,i)perylene	n/a	=	52	%	EPA 625	-88	-88	0.1	219	
2017/18-5	Lab	LCS, RPD	6/8/2018	Organic	Benzo(g,h,i)perylene	n/a	=	17	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/13/2018	Organic	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS	6/13/2018	Organic	Benzo(g,h,i)perylene	n/a	=	9.71	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS, rec	6/13/2018	Organic	Benzo(g,h,i)perylene	n/a	=	97	%	EPA 8270C	-88	-88	14	139	
2017/18-5	Lab	LCS dup	6/13/2018	Organic	Benzo(g,h,i)perylene	n/a	=	9.45	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS dup, rec	6/13/2018	Organic	Benzo(g,h,i)perylene	n/a	=	95	%	EPA 8270C	-88	-88	14	139	
2017/18-5	Lab	LCS, RPD	6/13/2018	Organic	Benzo(g,h,i)perylene	n/a	=	3	%	EPA 8270C	-88	-88	0	30	
2017/18-5	Lab	method blank	6/14/2018	Organic	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS	6/14/2018	Organic	Benzo(g,h,i)perylene	n/a	=	7.62	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS, rec	6/14/2018	Organic	Benzo(g,h,i)perylene	n/a	=	76	%	EPA 8270C	-88	-88	14	139	
2017/18-5	Lab	LCS dup	6/14/2018	Organic	Benzo(g,h,i)perylene	n/a	=	7.85	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS dup, rec	6/14/2018	Organic	Benzo(g,h,i)perylene	n/a	=	78	%	EPA 8270C	-88	-88	14	139	
2017/18-5	Lab	LCS, RPD	6/14/2018	Organic	Benzo(g,h,i)perylene	n/a	=	3	%	EPA 8270C	-88	-88	0	30	
2017/18-5	Lab	method blank	6/19/2018	Organic	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2			
2017/18-5	Lab	LCS	6/19/2018	Organic	Benzo(g,h,i)perylene	n/a	=	17.7	µg/L	EPA 625	0.1	2			
2017/18-5	Lab	LCS, rec	6/19/2018	Organic	Benzo(g,h,i)perylene	n/a	=	71	%	EPA 625	-88	-88	0.1	219	
2017/18-5	Lab	LCS dup	6/19/2018	Organic	Benzo(g,h,i)perylene	n/a	=	19.1	µg/L	EPA 625	0.1	2			
2017/18-5	Lab	LCS dup, rec	6/19/2018	Organic	Benzo(g,h,i)perylene	n/a	=	77	%	EPA 625	-88	-88	0.1	219	
2017/18-5	Lab	LCS, RPD	6/19/2018	Organic	Benzo(g,h,i)perylene	n/a	=	7	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/28/2018	Organic	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2			
2017/18-5	Lab	LCS	6/28/2018	Organic	Benzo(g,h,i)perylene	n/a	=	20.6	µg/L	EPA 625	0.1	2			
2017/18-5	Lab	LCS, rec	6/28/2018	Organic	Benzo(g,h,i)perylene	n/a	=	82	%	EPA 625	-88	-88	0.1	219	
2017/18-5	Lab	LCS dup	6/28/2018	Organic	Benzo(g,h,i)perylene	n/a	=	19.2	µg/L	EPA 625	0.1	2			
2017/18-5	Lab	LCS dup, rec	6/28/2018	Organic	Benzo(g,h,i)perylene	n/a	=	77	%	EPA 625	-88	-88	0.1	219	
2017/18-5	Lab	LCS, RPD	6/28/2018	Organic	Benzo(g,h,i)perylene	n/a	=	7	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	7/3/2018	Organic	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS	7/3/2018	Organic	Benzo(g,h,i)perylene	n/a	=	9.77	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS, rec	7/3/2018	Organic	Benzo(g,h,i)perylene	n/a	=	98	%	EPA 8270C	-88	-88	14	139	
2017/18-5	Lab	LCS dup	7/3/2018	Organic	Benzo(g,h,i)perylene	n/a	=	9.29	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS dup, rec	7/3/2018	Organic	Benzo(g,h,i)perylene	n/a	=	93	%	EPA 8270C	-88	-88	14	139	
2017/18-5	Lab	LCS, RPD	7/3/2018	Organic	Benzo(g,h,i)perylene	n/a	=	5	%	EPA 8270C	-88	-88	0	30	
2017/18-5	Lab	method blank	6/8/2018	Organic	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2017/18-5	Lab	LCS	6/8/2018	Organic	Benzo(k)fluoranthene	n/a	=	19.6	µg/L	EPA 625	0.22	1			
2017/18-5	Lab	LCS, rec	6/8/2018	Organic	Benzo(k)fluoranthene	n/a	=	78	%	EPA 625	-88	-88	11	162	
2017/18-5	Lab	LCS dup	6/8/2018	Organic	Benzo(k)fluoranthene	n/a	=	18.3	µg/L	EPA 625	0.22	1			
2017/18-5	Lab	LCS dup, rec	6/8/2018	Organic	Benzo(k)fluoranthene	n/a	=	73	%	EPA 625	-88	-88	11	162	
2017/18-5	Lab	LCS, RPD	6/8/2018	Organic	Benzo(k)fluoranthene	n/a	=	7	%	EPA 625	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	method blank	6/13/2018	Organic	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS	6/13/2018	Organic	Benzo(k)fluoranthene	n/a	=	10	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS, rec	6/13/2018	Organic	Benzo(k)fluoranthene	n/a	=	100	%	EPA 8270C	-88	-88	22	127	
2017/18-5	Lab	LCS dup	6/13/2018	Organic	Benzo(k)fluoranthene	n/a	=	9.66	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS dup, rec	6/13/2018	Organic	Benzo(k)fluoranthene	n/a	=	97	%	EPA 8270C	-88	-88	22	127	
2017/18-5	Lab	LCS, RPD	6/13/2018	Organic	Benzo(k)fluoranthene	n/a	=	4	%	EPA 8270C	-88	-88	0	30	
2017/18-5	Lab	method blank	6/14/2018	Organic	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS	6/14/2018	Organic	Benzo(k)fluoranthene	n/a	=	8.91	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS, rec	6/14/2018	Organic	Benzo(k)fluoranthene	n/a	=	89	%	EPA 8270C	-88	-88	22	127	
2017/18-5	Lab	LCS dup	6/14/2018	Organic	Benzo(k)fluoranthene	n/a	=	9.62	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS dup, rec	6/14/2018	Organic	Benzo(k)fluoranthene	n/a	=	96	%	EPA 8270C	-88	-88	22	127	
2017/18-5	Lab	LCS, RPD	6/14/2018	Organic	Benzo(k)fluoranthene	n/a	=	8	%	EPA 8270C	-88	-88	0	30	
2017/18-5	Lab	method blank	6/19/2018	Organic	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2017/18-5	Lab	LCS	6/19/2018	Organic	Benzo(k)fluoranthene	n/a	=	19.6	µg/L	EPA 625	0.22	1			
2017/18-5	Lab	LCS, rec	6/19/2018	Organic	Benzo(k)fluoranthene	n/a	=	78	%	EPA 625	-88	-88	11	162	
2017/18-5	Lab	LCS dup	6/19/2018	Organic	Benzo(k)fluoranthene	n/a	=	22	µg/L	EPA 625	0.22	1			
2017/18-5	Lab	LCS dup, rec	6/19/2018	Organic	Benzo(k)fluoranthene	n/a	=	88	%	EPA 625	-88	-88	11	162	
2017/18-5	Lab	LCS, RPD	6/19/2018	Organic	Benzo(k)fluoranthene	n/a	=	12	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/28/2018	Organic	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2017/18-5	Lab	LCS	6/28/2018	Organic	Benzo(k)fluoranthene	n/a	=	21.3	µg/L	EPA 625	0.22	1			
2017/18-5	Lab	LCS, rec	6/28/2018	Organic	Benzo(k)fluoranthene	n/a	=	85	%	EPA 625	-88	-88	11	162	
2017/18-5	Lab	LCS dup	6/28/2018	Organic	Benzo(k)fluoranthene	n/a	=	20	µg/L	EPA 625	0.22	1			
2017/18-5	Lab	LCS dup, rec	6/28/2018	Organic	Benzo(k)fluoranthene	n/a	=	80	%	EPA 625	-88	-88	11	162	
2017/18-5	Lab	LCS, RPD	6/28/2018	Organic	Benzo(k)fluoranthene	n/a	=	6	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	7/3/2018	Organic	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS	7/3/2018	Organic	Benzo(k)fluoranthene	n/a	=	9.24	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS, rec	7/3/2018	Organic	Benzo(k)fluoranthene	n/a	=	92	%	EPA 8270C	-88	-88	22	127	
2017/18-5	Lab	LCS dup	7/3/2018	Organic	Benzo(k)fluoranthene	n/a	=	8.77	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS dup, rec	7/3/2018	Organic	Benzo(k)fluoranthene	n/a	=	88	%	EPA 8270C	-88	-88	22	127	
2017/18-5	Lab	LCS, RPD	7/3/2018	Organic	Benzo(k)fluoranthene	n/a	=	5	%	EPA 8270C	-88	-88	0	30	
2017/18-5	Lab	method blank	6/8/2018	Organic	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2017/18-5	Lab	LCS	6/8/2018	Organic	Bis(2-chloroethoxy)methane	n/a	=	16.4	µg/L	EPA 625	0.25	1			
2017/18-5	Lab	LCS, rec	6/8/2018	Organic	Bis(2-chloroethoxy)methane	n/a	=	66	%	EPA 625	-88	-88	33	184	
2017/18-5	Lab	LCS dup	6/8/2018	Organic	Bis(2-chloroethoxy)methane	n/a	=	16.6	µg/L	EPA 625	0.25	1			
2017/18-5	Lab	LCS dup, rec	6/8/2018	Organic	Bis(2-chloroethoxy)methane	n/a	=	66	%	EPA 625	-88	-88	33	184	
2017/18-5	Lab	LCS, RPD	6/8/2018	Organic	Bis(2-chloroethoxy)methane	n/a	=	1	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/19/2018	Organic	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2017/18-5	Lab	LCS	6/19/2018	Organic	Bis(2-chloroethoxy)methane	n/a	=	13	µg/L	EPA 625	0.25	1			
2017/18-5	Lab	LCS, rec	6/19/2018	Organic	Bis(2-chloroethoxy)methane	n/a	=	52	%	EPA 625	-88	-88	33	184	
2017/18-5	Lab	LCS dup	6/19/2018	Organic	Bis(2-chloroethoxy)methane	n/a	=	14.1	µg/L	EPA 625	0.25	1			
2017/18-5	Lab	LCS dup, rec	6/19/2018	Organic	Bis(2-chloroethoxy)methane	n/a	=	56	%	EPA 625	-88	-88	33	184	
2017/18-5	Lab	LCS, RPD	6/19/2018	Organic	Bis(2-chloroethoxy)methane	n/a	=	8	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/28/2018	Organic	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2017/18-5	Lab	LCS	6/28/2018	Organic	Bis(2-chloroethoxy)methane	n/a	=	17.8	µg/L	EPA 625	0.25	1			
2017/18-5	Lab	LCS, rec	6/28/2018	Organic	Bis(2-chloroethoxy)methane	n/a	=	71	%	EPA 625	-88	-88	33	184	
2017/18-5	Lab	LCS dup	6/28/2018	Organic	Bis(2-chloroethoxy)methane	n/a	=	13.4	µg/L	EPA 625	0.25	1			
2017/18-5	Lab	LCS dup, rec	6/28/2018	Organic	Bis(2-chloroethoxy)methane	n/a	=	54	%	EPA 625	-88	-88	33	184	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	LCS, RPD	6/28/2018	Organic	Bis(2-chloroethoxy)methane	n/a	=	28	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/8/2018	Organic	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2017/18-5	Lab	LCS	6/8/2018	Organic	Bis(2-chloroethyl)ether	n/a	=	17.7	µg/L	EPA 625	0.27	1			
2017/18-5	Lab	LCS, rec	6/8/2018	Organic	Bis(2-chloroethyl)ether	n/a	=	71	%	EPA 625	-88	-88	12	158	
2017/18-5	Lab	LCS dup	6/8/2018	Organic	Bis(2-chloroethyl)ether	n/a	=	17.4	µg/L	EPA 625	0.27	1			
2017/18-5	Lab	LCS dup, rec	6/8/2018	Organic	Bis(2-chloroethyl)ether	n/a	=	70	%	EPA 625	-88	-88	12	158	
2017/18-5	Lab	LCS, RPD	6/8/2018	Organic	Bis(2-chloroethyl)ether	n/a	=	2	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/19/2018	Organic	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2017/18-5	Lab	LCS	6/19/2018	Organic	Bis(2-chloroethyl)ether	n/a	=	13.8	µg/L	EPA 625	0.27	1			
2017/18-5	Lab	LCS, rec	6/19/2018	Organic	Bis(2-chloroethyl)ether	n/a	=	55	%	EPA 625	-88	-88	12	158	
2017/18-5	Lab	LCS dup	6/19/2018	Organic	Bis(2-chloroethyl)ether	n/a	=	14.6	µg/L	EPA 625	0.27	1			
2017/18-5	Lab	LCS dup, rec	6/19/2018	Organic	Bis(2-chloroethyl)ether	n/a	=	59	%	EPA 625	-88	-88	12	158	
2017/18-5	Lab	LCS, RPD	6/19/2018	Organic	Bis(2-chloroethyl)ether	n/a	=	6	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/28/2018	Organic	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2017/18-5	Lab	LCS	6/28/2018	Organic	Bis(2-chloroethyl)ether	n/a	=	18.4	µg/L	EPA 625	0.27	1			
2017/18-5	Lab	LCS, rec	6/28/2018	Organic	Bis(2-chloroethyl)ether	n/a	=	74	%	EPA 625	-88	-88	12	158	
2017/18-5	Lab	LCS dup	6/28/2018	Organic	Bis(2-chloroethyl)ether	n/a	=	14.2	µg/L	EPA 625	0.27	1			
2017/18-5	Lab	LCS dup, rec	6/28/2018	Organic	Bis(2-chloroethyl)ether	n/a	=	57	%	EPA 625	-88	-88	12	158	
2017/18-5	Lab	LCS, RPD	6/28/2018	Organic	Bis(2-chloroethyl)ether	n/a	=	26	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/8/2018	Organic	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2017/18-5	Lab	LCS	6/8/2018	Organic	Bis(2-chloroisopropyl)ether	n/a	=	17.2	µg/L	EPA 625	0.38	1			
2017/18-5	Lab	LCS, rec	6/8/2018	Organic	Bis(2-chloroisopropyl)ether	n/a	=	69	%	EPA 625	-88	-88	36	166	
2017/18-5	Lab	LCS dup	6/8/2018	Organic	Bis(2-chloroisopropyl)ether	n/a	=	16.8	µg/L	EPA 625	0.38	1			
2017/18-5	Lab	LCS dup, rec	6/8/2018	Organic	Bis(2-chloroisopropyl)ether	n/a	=	67	%	EPA 625	-88	-88	36	166	
2017/18-5	Lab	LCS, RPD	6/8/2018	Organic	Bis(2-chloroisopropyl)ether	n/a	=	2	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/19/2018	Organic	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2017/18-5	Lab	LCS	6/19/2018	Organic	Bis(2-chloroisopropyl)ether	n/a	=	14.4	µg/L	EPA 625	0.38	1			
2017/18-5	Lab	LCS, rec	6/19/2018	Organic	Bis(2-chloroisopropyl)ether	n/a	=	57	%	EPA 625	-88	-88	36	166	
2017/18-5	Lab	LCS dup	6/19/2018	Organic	Bis(2-chloroisopropyl)ether	n/a	=	15.3	µg/L	EPA 625	0.38	1			
2017/18-5	Lab	LCS dup, rec	6/19/2018	Organic	Bis(2-chloroisopropyl)ether	n/a	=	61	%	EPA 625	-88	-88	36	166	
2017/18-5	Lab	LCS, RPD	6/19/2018	Organic	Bis(2-chloroisopropyl)ether	n/a	=	6	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/28/2018	Organic	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2017/18-5	Lab	LCS	6/28/2018	Organic	Bis(2-chloroisopropyl)ether	n/a	=	19.6	µg/L	EPA 625	0.38	1			
2017/18-5	Lab	LCS, rec	6/28/2018	Organic	Bis(2-chloroisopropyl)ether	n/a	=	78	%	EPA 625	-88	-88	36	166	
2017/18-5	Lab	LCS dup	6/28/2018	Organic	Bis(2-chloroisopropyl)ether	n/a	=	15	µg/L	EPA 625	0.38	1			
2017/18-5	Lab	LCS dup, rec	6/28/2018	Organic	Bis(2-chloroisopropyl)ether	n/a	=	60	%	EPA 625	-88	-88	36	166	
2017/18-5	Lab	LCS, RPD	6/28/2018	Organic	Bis(2-chloroisopropyl)ether	n/a	=	27	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/6/2018	Organic	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5			
2017/18-5	Lab	LCS	6/6/2018	Organic	Bis(2-ethylhexyl)adipate	n/a	=	5.07	µg/L	EPA 525.2	0.1	5			
2017/18-5	Lab	LCS, rec	6/6/2018	Organic	Bis(2-ethylhexyl)adipate	n/a	=	101	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS dup	6/6/2018	Organic	Bis(2-ethylhexyl)adipate	n/a	=	5.61	µg/L	EPA 525.2	0.1	5			
2017/18-5	Lab	LCS dup, rec	6/6/2018	Organic	Bis(2-ethylhexyl)adipate	n/a	=	112	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS, RPD	6/6/2018	Organic	Bis(2-ethylhexyl)adipate	n/a	=	10	%	EPA 525.2	-88	-88	0	30	
2017/18-5	Lab	method blank	6/14/2018	Organic	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5			
2017/18-5	Lab	LCS	6/14/2018	Organic	Bis(2-ethylhexyl)adipate	n/a	DNQ	4.98	µg/L	EPA 525.2	0.1	5			
2017/18-5	Lab	LCS, rec	6/14/2018	Organic	Bis(2-ethylhexyl)adipate	n/a	=	100	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS dup	6/14/2018	Organic	Bis(2-ethylhexyl)adipate	n/a	DNQ	4.79	µg/L	EPA 525.2	0.1	5			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	LCS dup, rec	6/14/2018	Organic	Bis(2-ethylhexyl)adipate	n/a	=	96	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS, RPD	6/14/2018	Organic	Bis(2-ethylhexyl)adipate	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2017/18-5	Lab	method blank	6/29/2018	Organic	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5			
2017/18-5	Lab	LCS	6/29/2018	Organic	Bis(2-ethylhexyl)adipate	n/a	=	5.34	µg/L	EPA 525.2	0.1	5			
2017/18-5	Lab	LCS, rec	6/29/2018	Organic	Bis(2-ethylhexyl)adipate	n/a	=	107	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS dup	6/29/2018	Organic	Bis(2-ethylhexyl)adipate	n/a	=	5.01	µg/L	EPA 525.2	0.1	5			
2017/18-5	Lab	LCS dup, rec	6/29/2018	Organic	Bis(2-ethylhexyl)adipate	n/a	=	100	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS, RPD	6/29/2018	Organic	Bis(2-ethylhexyl)adipate	n/a	=	6	%	EPA 525.2	-88	-88	0	30	
2017/18-5	Lab	method blank	7/2/2018	Organic	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5			
2017/18-5	Lab	LCS	7/2/2018	Organic	Bis(2-ethylhexyl)adipate	n/a	=	5.37	µg/L	EPA 525.2	0.1	5			
2017/18-5	Lab	LCS, rec	7/2/2018	Organic	Bis(2-ethylhexyl)adipate	n/a	=	107	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS dup	7/2/2018	Organic	Bis(2-ethylhexyl)adipate	n/a	DNQ	4.97	µg/L	EPA 525.2	0.1	5			
2017/18-5	Lab	LCS dup, rec	7/2/2018	Organic	Bis(2-ethylhexyl)adipate	n/a	=	99	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS, RPD	7/2/2018	Organic	Bis(2-ethylhexyl)adipate	n/a	=	8	%	EPA 525.2	-88	-88	0	30	
2017/18-5	Lab	method blank	6/6/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3			
2017/18-5	Lab	LCS	6/6/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	5.27	µg/L	EPA 525.2	1.1	3			
2017/18-5	Lab	LCS, rec	6/6/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	105	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS dup	6/6/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	5.54	µg/L	EPA 525.2	1.1	3			
2017/18-5	Lab	LCS dup, rec	6/6/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	111	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS, RPD	6/6/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	5	%	EPA 525.2	-88	-88	0	30	
2017/18-5	Lab	method blank	6/8/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5			
2017/18-5	Lab	LCS	6/8/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	20.5	µg/L	EPA 625	2.3	5			
2017/18-5	Lab	LCS, rec	6/8/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	82	%	EPA 625	-88	-88	8	158	
2017/18-5	Lab	LCS dup	6/8/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	21.9	µg/L	EPA 625	2.3	5			
2017/18-5	Lab	LCS dup, rec	6/8/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	87	%	EPA 625	-88	-88	8	158	
2017/18-5	Lab	LCS, RPD	6/8/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	7	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/14/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3			
2017/18-5	Lab	LCS	6/14/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	5.35	µg/L	EPA 525.2	1.1	3			
2017/18-5	Lab	LCS, rec	6/14/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	107	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS dup	6/14/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	5.08	µg/L	EPA 525.2	1.1	3			
2017/18-5	Lab	LCS dup, rec	6/14/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	102	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS, RPD	6/14/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	5	%	EPA 525.2	-88	-88	0	30	
2017/18-5	Lab	method blank	6/19/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5			
2017/18-5	Lab	LCS	6/19/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	20.5	µg/L	EPA 625	2.3	5			
2017/18-5	Lab	LCS, rec	6/19/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	82	%	EPA 625	-88	-88	8	158	
2017/18-5	Lab	LCS dup	6/19/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	22.6	µg/L	EPA 625	2.3	5			
2017/18-5	Lab	LCS dup, rec	6/19/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	90	%	EPA 625	-88	-88	8	158	
2017/18-5	Lab	LCS, RPD	6/19/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	10	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/28/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5			
2017/18-5	Lab	LCS	6/28/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	19.3	µg/L	EPA 625	2.3	5			
2017/18-5	Lab	LCS, rec	6/28/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	77	%	EPA 625	-88	-88	8	158	
2017/18-5	Lab	LCS dup	6/28/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	18.2	µg/L	EPA 625	2.3	5			
2017/18-5	Lab	LCS dup, rec	6/28/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	73	%	EPA 625	-88	-88	8	158	
2017/18-5	Lab	LCS, RPD	6/28/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	6	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/29/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3			
2017/18-5	Lab	LCS	6/29/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	5.69	µg/L	EPA 525.2	1.1	3			
2017/18-5	Lab	LCS, rec	6/29/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	114	%	EPA 525.2	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	LCS dup	6/29/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	5.42	µg/L	EPA 525.2	1.1	3			
2017/18-5	Lab	LCS dup, rec	6/29/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	108	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS, RPD	6/29/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	5	%	EPA 525.2	-88	-88	0	30	
2017/18-5	Lab	method blank	7/2/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3			
2017/18-5	Lab	LCS	7/2/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	5.68	µg/L	EPA 525.2	1.1	3			
2017/18-5	Lab	LCS, rec	7/2/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	114	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS dup	7/2/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	5.35	µg/L	EPA 525.2	1.1	3			
2017/18-5	Lab	LCS dup, rec	7/2/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	107	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS, RPD	7/2/2018	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	6	%	EPA 525.2	-88	-88	0	30	
2017/18-5	Lab	method blank	6/8/2018	Organic	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2017/18-5	Lab	LCS	6/8/2018	Organic	Butyl benzyl phthalate	n/a	=	21.7	µg/L	EPA 625	0.18	1			
2017/18-5	Lab	LCS, rec	6/8/2018	Organic	Butyl benzyl phthalate	n/a	=	87	%	EPA 625	-88	-88	0.1	152	
2017/18-5	Lab	LCS dup	6/8/2018	Organic	Butyl benzyl phthalate	n/a	=	22.7	µg/L	EPA 625	0.18	1			
2017/18-5	Lab	LCS dup, rec	6/8/2018	Organic	Butyl benzyl phthalate	n/a	=	91	%	EPA 625	-88	-88	0.1	152	
2017/18-5	Lab	LCS, RPD	6/8/2018	Organic	Butyl benzyl phthalate	n/a	=	5	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/19/2018	Organic	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2017/18-5	Lab	LCS	6/19/2018	Organic	Butyl benzyl phthalate	n/a	=	21.6	µg/L	EPA 625	0.18	1			
2017/18-5	Lab	LCS, rec	6/19/2018	Organic	Butyl benzyl phthalate	n/a	=	86	%	EPA 625	-88	-88	0.1	152	
2017/18-5	Lab	LCS dup	6/19/2018	Organic	Butyl benzyl phthalate	n/a	=	23.6	µg/L	EPA 625	0.18	1			
2017/18-5	Lab	LCS dup, rec	6/19/2018	Organic	Butyl benzyl phthalate	n/a	=	94	%	EPA 625	-88	-88	0.1	152	
2017/18-5	Lab	LCS, RPD	6/19/2018	Organic	Butyl benzyl phthalate	n/a	=	9	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/28/2018	Organic	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2017/18-5	Lab	LCS	6/28/2018	Organic	Butyl benzyl phthalate	n/a	=	20.9	µg/L	EPA 625	0.18	1			
2017/18-5	Lab	LCS, rec	6/28/2018	Organic	Butyl benzyl phthalate	n/a	=	84	%	EPA 625	-88	-88	0.1	152	
2017/18-5	Lab	LCS dup	6/28/2018	Organic	Butyl benzyl phthalate	n/a	=	19.6	µg/L	EPA 625	0.18	1			
2017/18-5	Lab	LCS dup, rec	6/28/2018	Organic	Butyl benzyl phthalate	n/a	=	78	%	EPA 625	-88	-88	0.1	152	
2017/18-5	Lab	LCS, RPD	6/28/2018	Organic	Butyl benzyl phthalate	n/a	=	7	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/8/2018	Organic	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2017/18-5	Lab	LCS	6/8/2018	Organic	Chrysene	n/a	=	25	µg/L	EPA 625	0.19	1			
2017/18-5	Lab	LCS, rec	6/8/2018	Organic	Chrysene	n/a	=	100	%	EPA 625	-88	-88	17	168	
2017/18-5	Lab	LCS dup	6/8/2018	Organic	Chrysene	n/a	=	25.3	µg/L	EPA 625	0.19	1			
2017/18-5	Lab	LCS dup, rec	6/8/2018	Organic	Chrysene	n/a	=	101	%	EPA 625	-88	-88	17	168	
2017/18-5	Lab	LCS, RPD	6/8/2018	Organic	Chrysene	n/a	=	1	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/13/2018	Organic	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS	6/13/2018	Organic	Chrysene	n/a	=	9.16	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS, rec	6/13/2018	Organic	Chrysene	n/a	=	92	%	EPA 8270C	-88	-88	32	126	
2017/18-5	Lab	LCS dup	6/13/2018	Organic	Chrysene	n/a	=	9.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS dup, rec	6/13/2018	Organic	Chrysene	n/a	=	91	%	EPA 8270C	-88	-88	32	126	
2017/18-5	Lab	LCS, RPD	6/13/2018	Organic	Chrysene	n/a	=	0.7	%	EPA 8270C	-88	-88	0	30	
2017/18-5	Lab	method blank	6/14/2018	Organic	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS	6/14/2018	Organic	Chrysene	n/a	=	8.68	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS, rec	6/14/2018	Organic	Chrysene	n/a	=	87	%	EPA 8270C	-88	-88	32	126	
2017/18-5	Lab	LCS dup	6/14/2018	Organic	Chrysene	n/a	=	8.89	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS dup, rec	6/14/2018	Organic	Chrysene	n/a	=	89	%	EPA 8270C	-88	-88	32	126	
2017/18-5	Lab	LCS, RPD	6/14/2018	Organic	Chrysene	n/a	=	2	%	EPA 8270C	-88	-88	0	30	
2017/18-5	Lab	method blank	6/19/2018	Organic	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2017/18-5	Lab	LCS	6/19/2018	Organic	Chrysene	n/a	=	20.8	µg/L	EPA 625	0.19	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	LCS, rec	6/19/2018	Organic	Chrysene	n/a	=	83	%	EPA 625	-88	-88	17	168	
2017/18-5	Lab	LCS dup	6/19/2018	Organic	Chrysene	n/a	=	22.2	µg/L	EPA 625	0.19	1			
2017/18-5	Lab	LCS dup, rec	6/19/2018	Organic	Chrysene	n/a	=	89	%	EPA 625	-88	-88	17	168	
2017/18-5	Lab	LCS, RPD	6/19/2018	Organic	Chrysene	n/a	=	6	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/28/2018	Organic	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2017/18-5	Lab	LCS	6/28/2018	Organic	Chrysene	n/a	=	23.9	µg/L	EPA 625	0.19	1			
2017/18-5	Lab	LCS, rec	6/28/2018	Organic	Chrysene	n/a	=	96	%	EPA 625	-88	-88	17	168	
2017/18-5	Lab	LCS dup	6/28/2018	Organic	Chrysene	n/a	=	22.3	µg/L	EPA 625	0.19	1			
2017/18-5	Lab	LCS dup, rec	6/28/2018	Organic	Chrysene	n/a	=	89	%	EPA 625	-88	-88	17	168	
2017/18-5	Lab	LCS, RPD	6/28/2018	Organic	Chrysene	n/a	=	7	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	7/3/2018	Organic	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS	7/3/2018	Organic	Chrysene	n/a	=	7.85	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS, rec	7/3/2018	Organic	Chrysene	n/a	=	78	%	EPA 8270C	-88	-88	32	126	
2017/18-5	Lab	LCS dup	7/3/2018	Organic	Chrysene	n/a	=	7.46	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS dup, rec	7/3/2018	Organic	Chrysene	n/a	=	75	%	EPA 8270C	-88	-88	32	126	
2017/18-5	Lab	LCS, RPD	7/3/2018	Organic	Chrysene	n/a	=	5	%	EPA 8270C	-88	-88	0	30	
2017/18-5	Lab	method blank	6/8/2018	Organic	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2			
2017/18-5	Lab	LCS	6/8/2018	Organic	Dibenz(a,h)anthracene	n/a	=	16.4	µg/L	EPA 625	0.08	2			
2017/18-5	Lab	LCS, rec	6/8/2018	Organic	Dibenz(a,h)anthracene	n/a	=	65	%	EPA 625	-88	-88	0.1	227	
2017/18-5	Lab	LCS dup	6/8/2018	Organic	Dibenz(a,h)anthracene	n/a	=	14.2	µg/L	EPA 625	0.08	2			
2017/18-5	Lab	LCS dup, rec	6/8/2018	Organic	Dibenz(a,h)anthracene	n/a	=	57	%	EPA 625	-88	-88	0.1	227	
2017/18-5	Lab	LCS, RPD	6/8/2018	Organic	Dibenz(a,h)anthracene	n/a	=	14	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/13/2018	Organic	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS	6/13/2018	Organic	Dibenz(a,h)anthracene	n/a	=	10.8	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS, rec	6/13/2018	Organic	Dibenz(a,h)anthracene	n/a	=	108	%	EPA 8270C	-88	-88	9	147	
2017/18-5	Lab	LCS dup	6/13/2018	Organic	Dibenz(a,h)anthracene	n/a	=	10.5	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS dup, rec	6/13/2018	Organic	Dibenz(a,h)anthracene	n/a	=	105	%	EPA 8270C	-88	-88	9	147	
2017/18-5	Lab	LCS, RPD	6/13/2018	Organic	Dibenz(a,h)anthracene	n/a	=	3	%	EPA 8270C	-88	-88	0	30	
2017/18-5	Lab	method blank	6/14/2018	Organic	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS	6/14/2018	Organic	Dibenz(a,h)anthracene	n/a	=	7.74	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS, rec	6/14/2018	Organic	Dibenz(a,h)anthracene	n/a	=	77	%	EPA 8270C	-88	-88	9	147	
2017/18-5	Lab	LCS dup	6/14/2018	Organic	Dibenz(a,h)anthracene	n/a	=	8.01	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS dup, rec	6/14/2018	Organic	Dibenz(a,h)anthracene	n/a	=	80	%	EPA 8270C	-88	-88	9	147	
2017/18-5	Lab	LCS, RPD	6/14/2018	Organic	Dibenz(a,h)anthracene	n/a	=	3	%	EPA 8270C	-88	-88	0	30	
2017/18-5	Lab	method blank	6/19/2018	Organic	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2			
2017/18-5	Lab	LCS	6/19/2018	Organic	Dibenz(a,h)anthracene	n/a	=	16.5	µg/L	EPA 625	0.08	2			
2017/18-5	Lab	LCS, rec	6/19/2018	Organic	Dibenz(a,h)anthracene	n/a	=	66	%	EPA 625	-88	-88	0.1	227	
2017/18-5	Lab	LCS dup	6/19/2018	Organic	Dibenz(a,h)anthracene	n/a	=	17.7	µg/L	EPA 625	0.08	2			
2017/18-5	Lab	LCS dup, rec	6/19/2018	Organic	Dibenz(a,h)anthracene	n/a	=	71	%	EPA 625	-88	-88	0.1	227	
2017/18-5	Lab	LCS, RPD	6/19/2018	Organic	Dibenz(a,h)anthracene	n/a	=	7	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/28/2018	Organic	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2			
2017/18-5	Lab	LCS	6/28/2018	Organic	Dibenz(a,h)anthracene	n/a	=	19.6	µg/L	EPA 625	0.08	2			
2017/18-5	Lab	LCS, rec	6/28/2018	Organic	Dibenz(a,h)anthracene	n/a	=	78	%	EPA 625	-88	-88	0.1	227	
2017/18-5	Lab	LCS dup	6/28/2018	Organic	Dibenz(a,h)anthracene	n/a	=	18.3	µg/L	EPA 625	0.08	2			
2017/18-5	Lab	LCS dup, rec	6/28/2018	Organic	Dibenz(a,h)anthracene	n/a	=	73	%	EPA 625	-88	-88	0.1	227	
2017/18-5	Lab	LCS, RPD	6/28/2018	Organic	Dibenz(a,h)anthracene	n/a	=	6	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	7/3/2018	Organic	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	LCS	7/3/2018	Organic	Dibenz(a,h)anthracene	n/a	=	9.93	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS, rec	7/3/2018	Organic	Dibenz(a,h)anthracene	n/a	=	99	%	EPA 8270C	-88	-88	9	147	
2017/18-5	Lab	LCS dup	7/3/2018	Organic	Dibenz(a,h)anthracene	n/a	=	9.41	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS dup, rec	7/3/2018	Organic	Dibenz(a,h)anthracene	n/a	=	94	%	EPA 8270C	-88	-88	9	147	
2017/18-5	Lab	LCS, RPD	7/3/2018	Organic	Dibenz(a,h)anthracene	n/a	=	5	%	EPA 8270C	-88	-88	0	30	
2017/18-5	Lab	method blank	6/8/2018	Organic	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1			
2017/18-5	Lab	LCS	6/8/2018	Organic	Diethyl phthalate	n/a	=	19.9	µg/L	EPA 625	0.15	1			
2017/18-5	Lab	LCS, rec	6/8/2018	Organic	Diethyl phthalate	n/a	=	80	%	EPA 625	-88	-88	0.1	114	
2017/18-5	Lab	LCS dup	6/8/2018	Organic	Diethyl phthalate	n/a	=	20.6	µg/L	EPA 625	0.15	1			
2017/18-5	Lab	LCS dup, rec	6/8/2018	Organic	Diethyl phthalate	n/a	=	82	%	EPA 625	-88	-88	0.1	114	
2017/18-5	Lab	LCS, RPD	6/8/2018	Organic	Diethyl phthalate	n/a	=	3	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/19/2018	Organic	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1			
2017/18-5	Lab	LCS	6/19/2018	Organic	Diethyl phthalate	n/a	=	16.4	µg/L	EPA 625	0.15	1			
2017/18-5	Lab	LCS, rec	6/19/2018	Organic	Diethyl phthalate	n/a	=	65	%	EPA 625	-88	-88	0.1	114	
2017/18-5	Lab	LCS dup	6/19/2018	Organic	Diethyl phthalate	n/a	=	17.7	µg/L	EPA 625	0.15	1			
2017/18-5	Lab	LCS dup, rec	6/19/2018	Organic	Diethyl phthalate	n/a	=	71	%	EPA 625	-88	-88	0.1	114	
2017/18-5	Lab	LCS, RPD	6/19/2018	Organic	Diethyl phthalate	n/a	=	8	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/28/2018	Organic	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1			
2017/18-5	Lab	LCS	6/28/2018	Organic	Diethyl phthalate	n/a	=	19.6	µg/L	EPA 625	0.15	1			
2017/18-5	Lab	LCS, rec	6/28/2018	Organic	Diethyl phthalate	n/a	=	78	%	EPA 625	-88	-88	0.1	114	
2017/18-5	Lab	LCS dup	6/28/2018	Organic	Diethyl phthalate	n/a	=	17.1	µg/L	EPA 625	0.15	1			
2017/18-5	Lab	LCS dup, rec	6/28/2018	Organic	Diethyl phthalate	n/a	=	68	%	EPA 625	-88	-88	0.1	114	
2017/18-5	Lab	LCS, RPD	6/28/2018	Organic	Diethyl phthalate	n/a	=	14	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/8/2018	Organic	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2017/18-5	Lab	LCS	6/8/2018	Organic	Dimethyl phthalate	n/a	=	17.7	µg/L	EPA 625	0.18	1			
2017/18-5	Lab	LCS, rec	6/8/2018	Organic	Dimethyl phthalate	n/a	=	71	%	EPA 625	-88	-88	0.1	112	
2017/18-5	Lab	LCS dup	6/8/2018	Organic	Dimethyl phthalate	n/a	=	18.5	µg/L	EPA 625	0.18	1			
2017/18-5	Lab	LCS dup, rec	6/8/2018	Organic	Dimethyl phthalate	n/a	=	74	%	EPA 625	-88	-88	0.1	112	
2017/18-5	Lab	LCS, RPD	6/8/2018	Organic	Dimethyl phthalate	n/a	=	4	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/19/2018	Organic	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2017/18-5	Lab	LCS	6/19/2018	Organic	Dimethyl phthalate	n/a	=	14.7	µg/L	EPA 625	0.18	1			
2017/18-5	Lab	LCS, rec	6/19/2018	Organic	Dimethyl phthalate	n/a	=	59	%	EPA 625	-88	-88	0.1	112	
2017/18-5	Lab	LCS dup	6/19/2018	Organic	Dimethyl phthalate	n/a	=	15.8	µg/L	EPA 625	0.18	1			
2017/18-5	Lab	LCS dup, rec	6/19/2018	Organic	Dimethyl phthalate	n/a	=	63	%	EPA 625	-88	-88	0.1	112	
2017/18-5	Lab	LCS, RPD	6/19/2018	Organic	Dimethyl phthalate	n/a	=	7	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/28/2018	Organic	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2017/18-5	Lab	LCS	6/28/2018	Organic	Dimethyl phthalate	n/a	=	18.5	µg/L	EPA 625	0.18	1			
2017/18-5	Lab	LCS, rec	6/28/2018	Organic	Dimethyl phthalate	n/a	=	74	%	EPA 625	-88	-88	0.1	112	
2017/18-5	Lab	LCS dup	6/28/2018	Organic	Dimethyl phthalate	n/a	=	14.5	µg/L	EPA 625	0.18	1			
2017/18-5	Lab	LCS dup, rec	6/28/2018	Organic	Dimethyl phthalate	n/a	=	58	%	EPA 625	-88	-88	0.1	112	
2017/18-5	Lab	LCS, RPD	6/28/2018	Organic	Dimethyl phthalate	n/a	=	24	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/8/2018	Organic	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1			
2017/18-5	Lab	LCS	6/8/2018	Organic	Di-n-butylphthalate	n/a	=	22.6	µg/L	EPA 625	0.24	1			
2017/18-5	Lab	LCS, rec	6/8/2018	Organic	Di-n-butylphthalate	n/a	=	90	%	EPA 625	-88	-88	1	118	
2017/18-5	Lab	LCS dup	6/8/2018	Organic	Di-n-butylphthalate	n/a	=	23.3	µg/L	EPA 625	0.24	1			
2017/18-5	Lab	LCS dup, rec	6/8/2018	Organic	Di-n-butylphthalate	n/a	=	93	%	EPA 625	-88	-88	1	118	
2017/18-5	Lab	LCS, RPD	6/8/2018	Organic	Di-n-butylphthalate	n/a	=	3	%	EPA 625	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	method blank	6/19/2018	Organic	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1			
2017/18-5	Lab	LCS	6/19/2018	Organic	Di-n-butylphthalate	n/a	=	19.6	µg/L	EPA 625	0.24	1			
2017/18-5	Lab	LCS, rec	6/19/2018	Organic	Di-n-butylphthalate	n/a	=	79	%	EPA 625	-88	-88	1	118	
2017/18-5	Lab	LCS dup	6/19/2018	Organic	Di-n-butylphthalate	n/a	=	21.5	µg/L	EPA 625	0.24	1			
2017/18-5	Lab	LCS dup, rec	6/19/2018	Organic	Di-n-butylphthalate	n/a	=	86	%	EPA 625	-88	-88	1	118	
2017/18-5	Lab	LCS, RPD	6/19/2018	Organic	Di-n-butylphthalate	n/a	=	9	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/28/2018	Organic	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1			
2017/18-5	Lab	LCS	6/28/2018	Organic	Di-n-butylphthalate	n/a	=	22	µg/L	EPA 625	0.24	1			
2017/18-5	Lab	LCS, rec	6/28/2018	Organic	Di-n-butylphthalate	n/a	=	88	%	EPA 625	-88	-88	1	118	
2017/18-5	Lab	LCS dup	6/28/2018	Organic	Di-n-butylphthalate	n/a	=	21	µg/L	EPA 625	0.24	1			
2017/18-5	Lab	LCS dup, rec	6/28/2018	Organic	Di-n-butylphthalate	n/a	=	84	%	EPA 625	-88	-88	1	118	
2017/18-5	Lab	LCS, RPD	6/28/2018	Organic	Di-n-butylphthalate	n/a	=	5	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/8/2018	Organic	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2017/18-5	Lab	LCS	6/8/2018	Organic	Di-n-octylphthalate	n/a	=	25	µg/L	EPA 625	0.19	1			
2017/18-5	Lab	LCS, rec	6/8/2018	Organic	Di-n-octylphthalate	n/a	=	100	%	EPA 625	-88	-88	4	146	
2017/18-5	Lab	LCS dup	6/8/2018	Organic	Di-n-octylphthalate	n/a	=	25.4	µg/L	EPA 625	0.19	1			
2017/18-5	Lab	LCS dup, rec	6/8/2018	Organic	Di-n-octylphthalate	n/a	=	102	%	EPA 625	-88	-88	4	146	
2017/18-5	Lab	LCS, RPD	6/8/2018	Organic	Di-n-octylphthalate	n/a	=	2	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/19/2018	Organic	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2017/18-5	Lab	LCS	6/19/2018	Organic	Di-n-octylphthalate	n/a	=	21.2	µg/L	EPA 625	0.19	1			
2017/18-5	Lab	LCS, rec	6/19/2018	Organic	Di-n-octylphthalate	n/a	=	85	%	EPA 625	-88	-88	4	146	
2017/18-5	Lab	LCS dup	6/19/2018	Organic	Di-n-octylphthalate	n/a	=	22.7	µg/L	EPA 625	0.19	1			
2017/18-5	Lab	LCS dup, rec	6/19/2018	Organic	Di-n-octylphthalate	n/a	=	91	%	EPA 625	-88	-88	4	146	
2017/18-5	Lab	LCS, RPD	6/19/2018	Organic	Di-n-octylphthalate	n/a	=	7	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/28/2018	Organic	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2017/18-5	Lab	LCS	6/28/2018	Organic	Di-n-octylphthalate	n/a	=	21.8	µg/L	EPA 625	0.19	1			
2017/18-5	Lab	LCS, rec	6/28/2018	Organic	Di-n-octylphthalate	n/a	=	87	%	EPA 625	-88	-88	4	146	
2017/18-5	Lab	LCS dup	6/28/2018	Organic	Di-n-octylphthalate	n/a	=	20.7	µg/L	EPA 625	0.19	1			
2017/18-5	Lab	LCS dup, rec	6/28/2018	Organic	Di-n-octylphthalate	n/a	=	83	%	EPA 625	-88	-88	4	146	
2017/18-5	Lab	LCS, RPD	6/28/2018	Organic	Di-n-octylphthalate	n/a	=	5	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/8/2018	Organic	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2017/18-5	Lab	LCS	6/8/2018	Organic	Fluoranthene	n/a	=	21.7	µg/L	EPA 625	0.22	1			
2017/18-5	Lab	LCS, rec	6/8/2018	Organic	Fluoranthene	n/a	=	87	%	EPA 625	-88	-88	26	137	
2017/18-5	Lab	LCS dup	6/8/2018	Organic	Fluoranthene	n/a	=	22.6	µg/L	EPA 625	0.22	1			
2017/18-5	Lab	LCS dup, rec	6/8/2018	Organic	Fluoranthene	n/a	=	91	%	EPA 625	-88	-88	26	137	
2017/18-5	Lab	LCS, RPD	6/8/2018	Organic	Fluoranthene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/13/2018	Organic	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS	6/13/2018	Organic	Fluoranthene	n/a	=	10.5	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS, rec	6/13/2018	Organic	Fluoranthene	n/a	=	105	%	EPA 8270C	-88	-88	22	131	
2017/18-5	Lab	LCS dup	6/13/2018	Organic	Fluoranthene	n/a	=	10.5	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS dup, rec	6/13/2018	Organic	Fluoranthene	n/a	=	105	%	EPA 8270C	-88	-88	22	131	
2017/18-5	Lab	LCS, RPD	6/13/2018	Organic	Fluoranthene	n/a	=	0.9	%	EPA 8270C	-88	-88	0	30	
2017/18-5	Lab	method blank	6/14/2018	Organic	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS	6/14/2018	Organic	Fluoranthene	n/a	=	9.96	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS, rec	6/14/2018	Organic	Fluoranthene	n/a	=	100	%	EPA 8270C	-88	-88	22	131	
2017/18-5	Lab	LCS dup	6/14/2018	Organic	Fluoranthene	n/a	=	10.3	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS dup, rec	6/14/2018	Organic	Fluoranthene	n/a	=	103	%	EPA 8270C	-88	-88	22	131	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	LCS, RPD	6/14/2018	Organic	Fluoranthene	n/a	=	4	%	EPA 8270C	-88	-88	0	30	
2017/18-5	Lab	method blank	6/19/2018	Organic	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2017/18-5	Lab	LCS	6/19/2018	Organic	Fluoranthene	n/a	=	19.6	µg/L	EPA 625	0.22	1			
2017/18-5	Lab	LCS, rec	6/19/2018	Organic	Fluoranthene	n/a	=	78	%	EPA 625	-88	-88	26	137	
2017/18-5	Lab	LCS dup	6/19/2018	Organic	Fluoranthene	n/a	=	21.6	µg/L	EPA 625	0.22	1			
2017/18-5	Lab	LCS dup, rec	6/19/2018	Organic	Fluoranthene	n/a	=	87	%	EPA 625	-88	-88	26	137	
2017/18-5	Lab	LCS, RPD	6/19/2018	Organic	Fluoranthene	n/a	=	10	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/28/2018	Organic	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2017/18-5	Lab	LCS	6/28/2018	Organic	Fluoranthene	n/a	=	20.9	µg/L	EPA 625	0.22	1			
2017/18-5	Lab	LCS, rec	6/28/2018	Organic	Fluoranthene	n/a	=	84	%	EPA 625	-88	-88	26	137	
2017/18-5	Lab	LCS dup	6/28/2018	Organic	Fluoranthene	n/a	=	19.6	µg/L	EPA 625	0.22	1			
2017/18-5	Lab	LCS dup, rec	6/28/2018	Organic	Fluoranthene	n/a	=	78	%	EPA 625	-88	-88	26	137	
2017/18-5	Lab	LCS, RPD	6/28/2018	Organic	Fluoranthene	n/a	=	6	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	7/3/2018	Organic	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS	7/3/2018	Organic	Fluoranthene	n/a	=	8.77	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS, rec	7/3/2018	Organic	Fluoranthene	n/a	=	88	%	EPA 8270C	-88	-88	22	131	
2017/18-5	Lab	LCS dup	7/3/2018	Organic	Fluoranthene	n/a	=	8.52	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS dup, rec	7/3/2018	Organic	Fluoranthene	n/a	=	85	%	EPA 8270C	-88	-88	22	131	
2017/18-5	Lab	LCS, RPD	7/3/2018	Organic	Fluoranthene	n/a	=	3	%	EPA 8270C	-88	-88	0	30	
2017/18-5	Lab	method blank	6/8/2018	Organic	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1			
2017/18-5	Lab	LCS	6/8/2018	Organic	Fluorene	n/a	=	19	µg/L	EPA 625	0.35	1			
2017/18-5	Lab	LCS, rec	6/8/2018	Organic	Fluorene	n/a	=	76	%	EPA 625	-88	-88	59	121	
2017/18-5	Lab	LCS dup	6/8/2018	Organic	Fluorene	n/a	=	20	µg/L	EPA 625	0.35	1			
2017/18-5	Lab	LCS dup, rec	6/8/2018	Organic	Fluorene	n/a	=	80	%	EPA 625	-88	-88	59	121	
2017/18-5	Lab	LCS, RPD	6/8/2018	Organic	Fluorene	n/a	=	5	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/13/2018	Organic	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS	6/13/2018	Organic	Fluorene	n/a	=	7.84	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS, rec	6/13/2018	Organic	Fluorene	n/a	=	78	%	EPA 8270C	-88	-88	19	122	
2017/18-5	Lab	LCS dup	6/13/2018	Organic	Fluorene	n/a	=	7.45	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS dup, rec	6/13/2018	Organic	Fluorene	n/a	=	75	%	EPA 8270C	-88	-88	19	122	
2017/18-5	Lab	LCS, RPD	6/13/2018	Organic	Fluorene	n/a	=	5	%	EPA 8270C	-88	-88	0	30	
2017/18-5	Lab	method blank	6/14/2018	Organic	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS	6/14/2018	Organic	Fluorene	n/a	=	7.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS, rec	6/14/2018	Organic	Fluorene	n/a	=	71	%	EPA 8270C	-88	-88	19	122	
2017/18-5	Lab	LCS dup	6/14/2018	Organic	Fluorene	n/a	=	7.49	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS dup, rec	6/14/2018	Organic	Fluorene	n/a	=	75	%	EPA 8270C	-88	-88	19	122	
2017/18-5	Lab	LCS, RPD	6/14/2018	Organic	Fluorene	n/a	=	5	%	EPA 8270C	-88	-88	0	30	
2017/18-5	Lab	method blank	6/19/2018	Organic	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1			
2017/18-5	Lab	LCS	6/19/2018	Organic	Fluorene	n/a	=	15.1	µg/L	EPA 625	0.35	1			
2017/18-5	Lab	LCS, rec	6/19/2018	Organic	Fluorene	n/a	=	60	%	EPA 625	-88	-88	59	121	
2017/18-5	Lab	LCS dup	6/19/2018	Organic	Fluorene	n/a	=	16	µg/L	EPA 625	0.35	1			
2017/18-5	Lab	LCS dup, rec	6/19/2018	Organic	Fluorene	n/a	=	64	%	EPA 625	-88	-88	59	121	
2017/18-5	Lab	LCS, RPD	6/19/2018	Organic	Fluorene	n/a	=	6	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/28/2018	Organic	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1			
2017/18-5	Lab	LCS	6/28/2018	Organic	Fluorene	n/a	=	19.3	µg/L	EPA 625	0.35	1			
2017/18-5	Lab	LCS, rec	6/28/2018	Organic	Fluorene	n/a	=	77	%	EPA 625	-88	-88	59	121	
2017/18-5	Lab	LCS dup	6/28/2018	Organic	Fluorene	n/a	=	14.9	µg/L	EPA 625	0.35	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	LCS dup, rec	6/28/2018	Organic	Fluorene	n/a	=	60	%	EPA 625	-88	-88	59	121	
2017/18-5	Lab	LCS, RPD	6/28/2018	Organic	Fluorene	n/a	=	26	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	7/3/2018	Organic	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS	7/3/2018	Organic	Fluorene	n/a	=	7.11	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS, rec	7/3/2018	Organic	Fluorene	n/a	=	71	%	EPA 8270C	-88	-88	19	122	
2017/18-5	Lab	LCS dup	7/3/2018	Organic	Fluorene	n/a	=	5.79	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS dup, rec	7/3/2018	Organic	Fluorene	n/a	=	58	%	EPA 8270C	-88	-88	19	122	
2017/18-5	Lab	LCS, RPD	7/3/2018	Organic	Fluorene	n/a	=	20	%	EPA 8270C	-88	-88	0	30	
2017/18-5	Lab	method blank	6/8/2018	Organic	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1			
2017/18-5	Lab	LCS	6/8/2018	Organic	Hexachlorobenzene	n/a	=	19.9	µg/L	EPA 625	0.49	1			
2017/18-5	Lab	LCS, rec	6/8/2018	Organic	Hexachlorobenzene	n/a	=	80	%	EPA 625	-88	-88	0.1	152	
2017/18-5	Lab	LCS dup	6/8/2018	Organic	Hexachlorobenzene	n/a	=	20.7	µg/L	EPA 625	0.49	1			
2017/18-5	Lab	LCS dup, rec	6/8/2018	Organic	Hexachlorobenzene	n/a	=	83	%	EPA 625	-88	-88	0.1	152	
2017/18-5	Lab	LCS, RPD	6/8/2018	Organic	Hexachlorobenzene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/19/2018	Organic	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1			
2017/18-5	Lab	LCS	6/19/2018	Organic	Hexachlorobenzene	n/a	=	16.7	µg/L	EPA 625	0.49	1			
2017/18-5	Lab	LCS, rec	6/19/2018	Organic	Hexachlorobenzene	n/a	=	67	%	EPA 625	-88	-88	0.1	152	
2017/18-5	Lab	LCS dup	6/19/2018	Organic	Hexachlorobenzene	n/a	=	18.4	µg/L	EPA 625	0.49	1			
2017/18-5	Lab	LCS dup, rec	6/19/2018	Organic	Hexachlorobenzene	n/a	=	74	%	EPA 625	-88	-88	0.1	152	
2017/18-5	Lab	LCS, RPD	6/19/2018	Organic	Hexachlorobenzene	n/a	=	10	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/28/2018	Organic	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1			
2017/18-5	Lab	LCS	6/28/2018	Organic	Hexachlorobenzene	n/a	=	18.9	µg/L	EPA 625	0.49	1			
2017/18-5	Lab	LCS, rec	6/28/2018	Organic	Hexachlorobenzene	n/a	=	76	%	EPA 625	-88	-88	0.1	152	
2017/18-5	Lab	LCS dup	6/28/2018	Organic	Hexachlorobenzene	n/a	=	16.4	µg/L	EPA 625	0.49	1			
2017/18-5	Lab	LCS dup, rec	6/28/2018	Organic	Hexachlorobenzene	n/a	=	66	%	EPA 625	-88	-88	0.1	152	
2017/18-5	Lab	LCS, RPD	6/28/2018	Organic	Hexachlorobenzene	n/a	=	15	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/8/2018	Organic	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1			
2017/18-5	Lab	LCS	6/8/2018	Organic	Hexachlorobutadiene	n/a	=	17.7	µg/L	EPA 625	0.47	1			
2017/18-5	Lab	LCS, rec	6/8/2018	Organic	Hexachlorobutadiene	n/a	=	71	%	EPA 625	-88	-88	24	116	
2017/18-5	Lab	LCS dup	6/8/2018	Organic	Hexachlorobutadiene	n/a	=	17.1	µg/L	EPA 625	0.47	1			
2017/18-5	Lab	LCS dup, rec	6/8/2018	Organic	Hexachlorobutadiene	n/a	=	69	%	EPA 625	-88	-88	24	116	
2017/18-5	Lab	LCS, RPD	6/8/2018	Organic	Hexachlorobutadiene	n/a	=	3	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/19/2018	Organic	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1			
2017/18-5	Lab	LCS	6/19/2018	Organic	Hexachlorobutadiene	n/a	=	14.1	µg/L	EPA 625	0.47	1			
2017/18-5	Lab	LCS, rec	6/19/2018	Organic	Hexachlorobutadiene	n/a	=	56	%	EPA 625	-88	-88	24	116	
2017/18-5	Lab	LCS dup	6/19/2018	Organic	Hexachlorobutadiene	n/a	=	15.2	µg/L	EPA 625	0.47	1			
2017/18-5	Lab	LCS dup, rec	6/19/2018	Organic	Hexachlorobutadiene	n/a	=	61	%	EPA 625	-88	-88	24	116	
2017/18-5	Lab	LCS, RPD	6/19/2018	Organic	Hexachlorobutadiene	n/a	=	8	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/28/2018	Organic	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1			
2017/18-5	Lab	LCS	6/28/2018	Organic	Hexachlorobutadiene	n/a	=	19.7	µg/L	EPA 625	0.47	1			
2017/18-5	Lab	LCS, rec	6/28/2018	Organic	Hexachlorobutadiene	n/a	=	79	%	EPA 625	-88	-88	24	116	
2017/18-5	Lab	LCS dup	6/28/2018	Organic	Hexachlorobutadiene	n/a	=	14.8	µg/L	EPA 625	0.47	1			
2017/18-5	Lab	LCS dup, rec	6/28/2018	Organic	Hexachlorobutadiene	n/a	=	59	%	EPA 625	-88	-88	24	116	
2017/18-5	Lab	LCS, RPD	6/28/2018	Organic	Hexachlorobutadiene	n/a	=	29	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/8/2018	Organic	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5			
2017/18-5	Lab	LCS	6/8/2018	Organic	Hexachlorocyclopentadiene	n/a	=	8.8	µg/L	EPA 625	1.5	5			
2017/18-5	Lab	LCS, rec	6/8/2018	Organic	Hexachlorocyclopentadiene	n/a	=	35	%	EPA 625	-88	-88	0.1	81	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	LCS dup	6/8/2018	Organic	Hexachlorocyclopentadiene	n/a	=	8.97	µg/L	EPA 625	1.5	5			
2017/18-5	Lab	LCS dup, rec	6/8/2018	Organic	Hexachlorocyclopentadiene	n/a	=	36	%	EPA 625	-88	-88	0.1	81	
2017/18-5	Lab	LCS, RPD	6/8/2018	Organic	Hexachlorocyclopentadiene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/19/2018	Organic	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5			
2017/18-5	Lab	LCS	6/19/2018	Organic	Hexachlorocyclopentadiene	n/a	=	5.96	µg/L	EPA 625	1.5	5			
2017/18-5	Lab	LCS, rec	6/19/2018	Organic	Hexachlorocyclopentadiene	n/a	=	24	%	EPA 625	-88	-88	0.1	81	
2017/18-5	Lab	LCS dup	6/19/2018	Organic	Hexachlorocyclopentadiene	n/a	=	7.16	µg/L	EPA 625	1.5	5			
2017/18-5	Lab	LCS dup, rec	6/19/2018	Organic	Hexachlorocyclopentadiene	n/a	=	29	%	EPA 625	-88	-88	0.1	81	
2017/18-5	Lab	LCS, RPD	6/19/2018	Organic	Hexachlorocyclopentadiene	n/a	=	18	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/28/2018	Organic	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5			
2017/18-5	Lab	LCS	6/28/2018	Organic	Hexachlorocyclopentadiene	n/a	=	12	µg/L	EPA 625	1.5	5			
2017/18-5	Lab	LCS, rec	6/28/2018	Organic	Hexachlorocyclopentadiene	n/a	=	48	%	EPA 625	-88	-88	0.1	81	
2017/18-5	Lab	LCS dup	6/28/2018	Organic	Hexachlorocyclopentadiene	n/a	=	8.88	µg/L	EPA 625	1.5	5			
2017/18-5	Lab	LCS dup, rec	6/28/2018	Organic	Hexachlorocyclopentadiene	n/a	=	36	%	EPA 625	-88	-88	0.1	81	
2017/18-5	Lab	LCS, RPD	6/28/2018	Organic	Hexachlorocyclopentadiene	n/a	=	30	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/8/2018	Organic	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1			
2017/18-5	Lab	LCS	6/8/2018	Organic	Hexachloroethane	n/a	=	17.9	µg/L	EPA 625	0.52	1			
2017/18-5	Lab	LCS, rec	6/8/2018	Organic	Hexachloroethane	n/a	=	71	%	EPA 625	-88	-88	40	113	
2017/18-5	Lab	LCS dup	6/8/2018	Organic	Hexachloroethane	n/a	=	16.9	µg/L	EPA 625	0.52	1			
2017/18-5	Lab	LCS dup, rec	6/8/2018	Organic	Hexachloroethane	n/a	=	68	%	EPA 625	-88	-88	40	113	
2017/18-5	Lab	LCS, RPD	6/8/2018	Organic	Hexachloroethane	n/a	=	5	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/19/2018	Organic	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1			
2017/18-5	Lab	LCS	6/19/2018	Organic	Hexachloroethane	n/a	=	14.1	µg/L	EPA 625	0.52	1			
2017/18-5	Lab	LCS, rec	6/19/2018	Organic	Hexachloroethane	n/a	=	57	%	EPA 625	-88	-88	40	113	
2017/18-5	Lab	LCS dup	6/19/2018	Organic	Hexachloroethane	n/a	=	15.1	µg/L	EPA 625	0.52	1			
2017/18-5	Lab	LCS dup, rec	6/19/2018	Organic	Hexachloroethane	n/a	=	61	%	EPA 625	-88	-88	40	113	
2017/18-5	Lab	LCS, RPD	6/19/2018	Organic	Hexachloroethane	n/a	=	7	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/28/2018	Organic	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1			
2017/18-5	Lab	LCS	6/28/2018	Organic	Hexachloroethane	n/a	=	18.8	µg/L	EPA 625	0.52	1			
2017/18-5	Lab	LCS, rec	6/28/2018	Organic	Hexachloroethane	n/a	=	75	%	EPA 625	-88	-88	40	113	
2017/18-5	Lab	LCS dup	6/28/2018	Organic	Hexachloroethane	n/a	=	14.7	µg/L	EPA 625	0.52	1			
2017/18-5	Lab	LCS dup, rec	6/28/2018	Organic	Hexachloroethane	n/a	=	59	%	EPA 625	-88	-88	40	113	
2017/18-5	Lab	LCS, RPD	6/28/2018	Organic	Hexachloroethane	n/a	=	24	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/8/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2			
2017/18-5	Lab	LCS	6/8/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	17.1	µg/L	EPA 625	0.12	2			
2017/18-5	Lab	LCS, rec	6/8/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	68	%	EPA 625	-88	-88	0.1	171	
2017/18-5	Lab	LCS dup	6/8/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	15.1	µg/L	EPA 625	0.12	2			
2017/18-5	Lab	LCS dup, rec	6/8/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	60	%	EPA 625	-88	-88	0.1	171	
2017/18-5	Lab	LCS, RPD	6/8/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	13	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/13/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS	6/13/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	9.56	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS, rec	6/13/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	96	%	EPA 8270C	-88	-88	12	136	
2017/18-5	Lab	LCS dup	6/13/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	9.35	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS dup, rec	6/13/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	93	%	EPA 8270C	-88	-88	12	136	
2017/18-5	Lab	LCS, RPD	6/13/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	2	%	EPA 8270C	-88	-88	0	30	
2017/18-5	Lab	method blank	6/14/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS	6/14/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	7.9	µg/L	EPA 8270C	0.1	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	LCS, rec	6/14/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	79	%	EPA 8270C	-88	-88	12	136	
2017/18-5	Lab	LCS dup	6/14/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	8.17	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS dup, rec	6/14/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	82	%	EPA 8270C	-88	-88	12	136	
2017/18-5	Lab	LCS, RPD	6/14/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	3	%	EPA 8270C	-88	-88	0	30	
2017/18-5	Lab	method blank	6/19/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2			
2017/18-5	Lab	LCS	6/19/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	18.3	µg/L	EPA 625	0.12	2			
2017/18-5	Lab	LCS, rec	6/19/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	73	%	EPA 625	-88	-88	0.1	171	
2017/18-5	Lab	LCS dup	6/19/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	19.6	µg/L	EPA 625	0.12	2			
2017/18-5	Lab	LCS dup, rec	6/19/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	78	%	EPA 625	-88	-88	0.1	171	
2017/18-5	Lab	LCS, RPD	6/19/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	7	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/28/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2			
2017/18-5	Lab	LCS	6/28/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	20.1	µg/L	EPA 625	0.12	2			
2017/18-5	Lab	LCS, rec	6/28/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	80	%	EPA 625	-88	-88	0.1	171	
2017/18-5	Lab	LCS dup	6/28/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	18.9	µg/L	EPA 625	0.12	2			
2017/18-5	Lab	LCS dup, rec	6/28/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	75	%	EPA 625	-88	-88	0.1	171	
2017/18-5	Lab	LCS, RPD	6/28/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	6	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	7/3/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS	7/3/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	9.26	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS, rec	7/3/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	93	%	EPA 8270C	-88	-88	12	136	
2017/18-5	Lab	LCS dup	7/3/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	8.94	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS dup, rec	7/3/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	89	%	EPA 8270C	-88	-88	12	136	
2017/18-5	Lab	LCS, RPD	7/3/2018	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	3	%	EPA 8270C	-88	-88	0	30	
2017/18-5	Lab	method blank	6/8/2018	Organic	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1			
2017/18-5	Lab	LCS	6/8/2018	Organic	Isophorone	n/a	=	14.7	µg/L	EPA 625	0.21	1			
2017/18-5	Lab	LCS, rec	6/8/2018	Organic	Isophorone	n/a	=	59	%	EPA 625	-88	-88	21	196	
2017/18-5	Lab	LCS dup	6/8/2018	Organic	Isophorone	n/a	=	14.9	µg/L	EPA 625	0.21	1			
2017/18-5	Lab	LCS dup, rec	6/8/2018	Organic	Isophorone	n/a	=	60	%	EPA 625	-88	-88	21	196	
2017/18-5	Lab	LCS, RPD	6/8/2018	Organic	Isophorone	n/a	=	2	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/19/2018	Organic	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1			
2017/18-5	Lab	LCS	6/19/2018	Organic	Isophorone	n/a	=	13	µg/L	EPA 625	0.21	1			
2017/18-5	Lab	LCS, rec	6/19/2018	Organic	Isophorone	n/a	=	52	%	EPA 625	-88	-88	21	196	
2017/18-5	Lab	LCS dup	6/19/2018	Organic	Isophorone	n/a	=	13.9	µg/L	EPA 625	0.21	1			
2017/18-5	Lab	LCS dup, rec	6/19/2018	Organic	Isophorone	n/a	=	56	%	EPA 625	-88	-88	21	196	
2017/18-5	Lab	LCS, RPD	6/19/2018	Organic	Isophorone	n/a	=	7	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/28/2018	Organic	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1			
2017/18-5	Lab	LCS	6/28/2018	Organic	Isophorone	n/a	=	17.2	µg/L	EPA 625	0.21	1			
2017/18-5	Lab	LCS, rec	6/28/2018	Organic	Isophorone	n/a	=	69	%	EPA 625	-88	-88	21	196	
2017/18-5	Lab	LCS dup	6/28/2018	Organic	Isophorone	n/a	=	13.2	µg/L	EPA 625	0.21	1			
2017/18-5	Lab	LCS dup, rec	6/28/2018	Organic	Isophorone	n/a	=	53	%	EPA 625	-88	-88	21	196	
2017/18-5	Lab	LCS, RPD	6/28/2018	Organic	Isophorone	n/a	=	27	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	LCS	6/4/2018	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	49.1	µg/L	EPA 624	0.25	1			
2017/18-5	Lab	LCS, rec	6/4/2018	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	98	%	EPA 624	-88	-88	80	128	
2017/18-5	Lab	LCS dup	6/4/2018	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	47.2	µg/L	EPA 624	0.25	1			
2017/18-5	Lab	LCS dup, rec	6/4/2018	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	94	%	EPA 624	-88	-88	80	128	
2017/18-5	Lab	LCS, RPD	6/4/2018	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	4	%	EPA 624	-88	-88	0	25	
2017/18-5	Lab	method blank	6/4/2018	Organic	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1			
2017/18-5	Lab	LCS	6/5/2018	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	41.2	µg/L	EPA 624	0.25	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	LCS, rec	6/5/2018	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	82	%	EPA 624	-88	-88	80	128	
2017/18-5	Lab	LCS dup	6/5/2018	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	40.8	µg/L	EPA 624	0.25	1			
2017/18-5	Lab	LCS dup, rec	6/5/2018	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	82	%	EPA 624	-88	-88	80	128	
2017/18-5	Lab	LCS, RPD	6/5/2018	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	0.8	%	EPA 624	-88	-88	0	25	
2017/18-5	Lab	method blank	6/5/2018	Organic	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1			
2017/18-5	Lab	LCS	6/11/2018	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	41.9	µg/L	EPA 624	0.25	1			
2017/18-5	Lab	LCS, rec	6/11/2018	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	84	%	EPA 624	-88	-88	80	128	
2017/18-5	Lab	LCS dup	6/11/2018	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	42.1	µg/L	EPA 624	0.25	1			
2017/18-5	Lab	LCS dup, rec	6/11/2018	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	84	%	EPA 624	-88	-88	80	128	
2017/18-5	Lab	LCS, RPD	6/11/2018	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	0.4	%	EPA 624	-88	-88	0	25	
2017/18-5	Lab	method blank	6/11/2018	Organic	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1			
2017/18-5	Lab	LCS	6/25/2018	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	57.3	µg/L	EPA 624	0.25	1			
2017/18-5	Lab	LCS, rec	6/25/2018	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	115	%	EPA 624	-88	-88	80	128	
2017/18-5	Lab	LCS dup	6/25/2018	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	62.1	µg/L	EPA 624	0.25	1			
2017/18-5	Lab	LCS dup, rec	6/25/2018	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	124	%	EPA 624	-88	-88	80	128	
2017/18-5	Lab	LCS, RPD	6/25/2018	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	8	%	EPA 624	-88	-88	0	25	
2017/18-5	Lab	method blank	6/25/2018	Organic	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1			
2017/18-5	Lab	method blank	6/8/2018	Organic	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1			
2017/18-5	Lab	LCS	6/8/2018	Organic	Naphthalene	n/a	=	17.8	µg/L	EPA 625	0.49	1			
2017/18-5	Lab	LCS, rec	6/8/2018	Organic	Naphthalene	n/a	=	71	%	EPA 625	-88	-88	21	133	
2017/18-5	Lab	LCS dup	6/8/2018	Organic	Naphthalene	n/a	=	17.4	µg/L	EPA 625	0.49	1			
2017/18-5	Lab	LCS dup, rec	6/8/2018	Organic	Naphthalene	n/a	=	70	%	EPA 625	-88	-88	21	133	
2017/18-5	Lab	LCS, RPD	6/8/2018	Organic	Naphthalene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/13/2018	Organic	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS	6/13/2018	Organic	Naphthalene	n/a	=	7.03	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS, rec	6/13/2018	Organic	Naphthalene	n/a	=	70	%	EPA 8270C	-88	-88	12	136	
2017/18-5	Lab	LCS dup	6/13/2018	Organic	Naphthalene	n/a	=	6.73	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS dup, rec	6/13/2018	Organic	Naphthalene	n/a	=	67	%	EPA 8270C	-88	-88	12	136	
2017/18-5	Lab	LCS, RPD	6/13/2018	Organic	Naphthalene	n/a	=	4	%	EPA 8270C	-88	-88	0	30	
2017/18-5	Lab	method blank	6/14/2018	Organic	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS	6/14/2018	Organic	Naphthalene	n/a	=	6.19	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS, rec	6/14/2018	Organic	Naphthalene	n/a	=	62	%	EPA 8270C	-88	-88	12	136	
2017/18-5	Lab	LCS dup	6/14/2018	Organic	Naphthalene	n/a	=	7.05	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS dup, rec	6/14/2018	Organic	Naphthalene	n/a	=	70	%	EPA 8270C	-88	-88	12	136	
2017/18-5	Lab	LCS, RPD	6/14/2018	Organic	Naphthalene	n/a	=	13	%	EPA 8270C	-88	-88	0	30	
2017/18-5	Lab	method blank	6/19/2018	Organic	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1			
2017/18-5	Lab	LCS	6/19/2018	Organic	Naphthalene	n/a	=	14.3	µg/L	EPA 625	0.49	1			
2017/18-5	Lab	LCS, rec	6/19/2018	Organic	Naphthalene	n/a	=	57	%	EPA 625	-88	-88	21	133	
2017/18-5	Lab	LCS dup	6/19/2018	Organic	Naphthalene	n/a	=	15.4	µg/L	EPA 625	0.49	1			
2017/18-5	Lab	LCS dup, rec	6/19/2018	Organic	Naphthalene	n/a	=	62	%	EPA 625	-88	-88	21	133	
2017/18-5	Lab	LCS, RPD	6/19/2018	Organic	Naphthalene	n/a	=	8	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/28/2018	Organic	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1			
2017/18-5	Lab	LCS	6/28/2018	Organic	Naphthalene	n/a	=	19.6	µg/L	EPA 625	0.49	1			
2017/18-5	Lab	LCS, rec	6/28/2018	Organic	Naphthalene	n/a	=	78	%	EPA 625	-88	-88	21	133	
2017/18-5	Lab	LCS dup	6/28/2018	Organic	Naphthalene	n/a	=	14.9	µg/L	EPA 625	0.49	1			
2017/18-5	Lab	LCS dup, rec	6/28/2018	Organic	Naphthalene	n/a	=	60	%	EPA 625	-88	-88	21	133	
2017/18-5	Lab	LCS, RPD	6/28/2018	Organic	Naphthalene	n/a	=	27	%	EPA 625	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	method blank	7/3/2018	Organic	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS	7/3/2018	Organic	Naphthalene	n/a	=	6.68	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS, rec	7/3/2018	Organic	Naphthalene	n/a	=	67	%	EPA 8270C	-88	-88	12	136	
2017/18-5	Lab	LCS dup	7/3/2018	Organic	Naphthalene	n/a	=	5.49	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS dup, rec	7/3/2018	Organic	Naphthalene	n/a	=	55	%	EPA 8270C	-88	-88	12	136	
2017/18-5	Lab	LCS, RPD	7/3/2018	Organic	Naphthalene	n/a	=	20	%	EPA 8270C	-88	-88	0	30	
2017/18-5	Lab	method blank	6/8/2018	Organic	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2017/18-5	Lab	LCS	6/8/2018	Organic	Nitrobenzene	n/a	=	17.2	µg/L	EPA 625	0.36	1			
2017/18-5	Lab	LCS, rec	6/8/2018	Organic	Nitrobenzene	n/a	=	69	%	EPA 625	-88	-88	35	180	
2017/18-5	Lab	LCS dup	6/8/2018	Organic	Nitrobenzene	n/a	=	17	µg/L	EPA 625	0.36	1			
2017/18-5	Lab	LCS dup, rec	6/8/2018	Organic	Nitrobenzene	n/a	=	68	%	EPA 625	-88	-88	35	180	
2017/18-5	Lab	LCS, RPD	6/8/2018	Organic	Nitrobenzene	n/a	=	1	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/19/2018	Organic	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2017/18-5	Lab	LCS	6/19/2018	Organic	Nitrobenzene	n/a	=	14.1	µg/L	EPA 625	0.36	1			
2017/18-5	Lab	LCS, rec	6/19/2018	Organic	Nitrobenzene	n/a	=	56	%	EPA 625	-88	-88	35	180	
2017/18-5	Lab	LCS dup	6/19/2018	Organic	Nitrobenzene	n/a	=	15	µg/L	EPA 625	0.36	1			
2017/18-5	Lab	LCS dup, rec	6/19/2018	Organic	Nitrobenzene	n/a	=	60	%	EPA 625	-88	-88	35	180	
2017/18-5	Lab	LCS, RPD	6/19/2018	Organic	Nitrobenzene	n/a	=	7	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/28/2018	Organic	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2017/18-5	Lab	LCS	6/28/2018	Organic	Nitrobenzene	n/a	=	18.6	µg/L	EPA 625	0.36	1			
2017/18-5	Lab	LCS, rec	6/28/2018	Organic	Nitrobenzene	n/a	=	74	%	EPA 625	-88	-88	35	180	
2017/18-5	Lab	LCS dup	6/28/2018	Organic	Nitrobenzene	n/a	=	14.5	µg/L	EPA 625	0.36	1			
2017/18-5	Lab	LCS dup, rec	6/28/2018	Organic	Nitrobenzene	n/a	=	58	%	EPA 625	-88	-88	35	180	
2017/18-5	Lab	LCS, RPD	6/28/2018	Organic	Nitrobenzene	n/a	=	24	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	srgt method blank	6/8/2018	Organic	Nitrobenzene-d5	n/a	=	19.7	µg/L	EPA 625	-88	-88			
2017/18-5	Lab	srgt method blank, rec	6/8/2018	Organic	Nitrobenzene-d5	n/a	=	79	%	EPA 625	-88	-88	27	111	
2017/18-5	Lab	srgt LCS	6/8/2018	Organic	Nitrobenzene-d5	n/a	=	18.4	µg/L	EPA 625	-88	-88			
2017/18-5	Lab	srgt LCS, rec	6/8/2018	Organic	Nitrobenzene-d5	n/a	=	73	%	EPA 625	-88	-88	27	111	
2017/18-5	Lab	srgt LCS dup	6/8/2018	Organic	Nitrobenzene-d5	n/a	=	18.1	µg/L	EPA 625	-88	-88			
2017/18-5	Lab	srgt LCS dup, rec	6/8/2018	Organic	Nitrobenzene-d5	n/a	=	72	%	EPA 625	-88	-88	27	111	
2017/18-5	Lab	srgt method blank	6/13/2018	Organic	Nitrobenzene-d5	n/a	=	3.12	µg/L	EPA 8270C	-88	-88			
2017/18-5	Lab	srgt method blank, rec	6/13/2018	Organic	Nitrobenzene-d5	n/a	=	62	%	EPA 8270C	-88	-88	51	143	
2017/18-5	Lab	srgt LCS	6/13/2018	Organic	Nitrobenzene-d5	n/a	=	3.6	µg/L	EPA 8270C	-88	-88			
2017/18-5	Lab	srgt LCS, rec	6/13/2018	Organic	Nitrobenzene-d5	n/a	=	72	%	EPA 8270C	-88	-88	51	143	
2017/18-5	Lab	srgt LCS dup	6/13/2018	Organic	Nitrobenzene-d5	n/a	=	3.46	µg/L	EPA 8270C	-88	-88			
2017/18-5	Lab	srgt LCS dup, rec	6/13/2018	Organic	Nitrobenzene-d5	n/a	=	69	%	EPA 8270C	-88	-88	51	143	
2017/18-5	Lab	srgt method blank	6/14/2018	Organic	Nitrobenzene-d5	n/a	=	3.17	µg/L	EPA 8270C	-88	-88			
2017/18-5	Lab	srgt method blank, rec	6/14/2018	Organic	Nitrobenzene-d5	n/a	=	63	%	EPA 8270C	-88	-88	51	143	
2017/18-5	Lab	srgt LCS	6/14/2018	Organic	Nitrobenzene-d5	n/a	=	3.28	µg/L	EPA 8270C	-88	-88			
2017/18-5	Lab	srgt LCS, rec	6/14/2018	Organic	Nitrobenzene-d5	n/a	=	66	%	EPA 8270C	-88	-88	51	143	
2017/18-5	Lab	srgt LCS dup	6/14/2018	Organic	Nitrobenzene-d5	n/a	=	3.73	µg/L	EPA 8270C	-88	-88			
2017/18-5	Lab	srgt LCS dup, rec	6/14/2018	Organic	Nitrobenzene-d5	n/a	=	75	%	EPA 8270C	-88	-88	51	143	
2017/18-5	Lab	srgt method blank	6/19/2018	Organic	Nitrobenzene-d5	n/a	=	17.1	µg/L	EPA 625	-88	-88			
2017/18-5	Lab	srgt method blank, rec	6/19/2018	Organic	Nitrobenzene-d5	n/a	=	68	%	EPA 625	-88	-88	27	111	
2017/18-5	Lab	srgt LCS	6/19/2018	Organic	Nitrobenzene-d5	n/a	=	15.3	µg/L	EPA 625	-88	-88			
2017/18-5	Lab	srgt LCS, rec	6/19/2018	Organic	Nitrobenzene-d5	n/a	=	61	%	EPA 625	-88	-88	27	111	
2017/18-5	Lab	srgt LCS dup	6/19/2018	Organic	Nitrobenzene-d5	n/a	=	16.3	µg/L	EPA 625	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	srgt LCS dup, rec	6/19/2018	Organic	Nitrobenzene-d5	n/a	=	65	%	EPA 625	-88	-88	27	111	
2017/18-5	Lab	srgt method blank	6/28/2018	Organic	Nitrobenzene-d5	n/a	=	21.5	µg/L	EPA 625	-88	-88			
2017/18-5	Lab	srgt method blank, rec	6/28/2018	Organic	Nitrobenzene-d5	n/a	=	86	%	EPA 625	-88	-88	27	111	
2017/18-5	Lab	srgt LCS	6/28/2018	Organic	Nitrobenzene-d5	n/a	=	20.8	µg/L	EPA 625	-88	-88			
2017/18-5	Lab	srgt LCS, rec	6/28/2018	Organic	Nitrobenzene-d5	n/a	=	83	%	EPA 625	-88	-88	27	111	
2017/18-5	Lab	srgt LCS dup	6/28/2018	Organic	Nitrobenzene-d5	n/a	=	15.5	µg/L	EPA 625	-88	-88			
2017/18-5	Lab	srgt LCS dup, rec	6/28/2018	Organic	Nitrobenzene-d5	n/a	=	62	%	EPA 625	-88	-88	27	111	
2017/18-5	Lab	srgt method blank	7/3/2018	Organic	Nitrobenzene-d5	n/a	=	3.08	µg/L	EPA 8270C	-88	-88			
2017/18-5	Lab	srgt method blank, rec	7/3/2018	Organic	Nitrobenzene-d5	n/a	=	62	%	EPA 8270C	-88	-88	51	143	
2017/18-5	Lab	srgt LCS	7/3/2018	Organic	Nitrobenzene-d5	n/a	=	3.67	µg/L	EPA 8270C	-88	-88			
2017/18-5	Lab	srgt LCS, rec	7/3/2018	Organic	Nitrobenzene-d5	n/a	=	73	%	EPA 8270C	-88	-88	51	143	
2017/18-5	Lab	srgt LCS dup	7/3/2018	Organic	Nitrobenzene-d5	n/a	=	3.04	µg/L	EPA 8270C	-88	-88			
2017/18-5	Lab	srgt LCS dup, rec	7/3/2018	Organic	Nitrobenzene-d5	n/a	=	61	%	EPA 8270C	-88	-88	51	143	
2017/18-5	ME-CC	srgt environ	6/8/2018	Organic	Nitrobenzene-d5	n/a	=	20.2	µg/L	EPA 625	-88	-88			
2017/18-5	ME-CC	srgt environ, rec	6/8/2018	Organic	Nitrobenzene-d5	n/a	=	81	%	EPA 625	-88	-88	27	111	
2017/18-5	ME-CC	srgt environ	6/13/2018	Organic	Nitrobenzene-d5	n/a	=	3.5	µg/L	EPA 8270C	-88	-88			
2017/18-5	ME-CC	srgt environ, rec	6/13/2018	Organic	Nitrobenzene-d5	n/a	=	70	%	EPA 8270C	-88	-88	51	143	
2017/18-5	ME-SCR	srgt environ	6/14/2018	Organic	Nitrobenzene-d5	n/a	=	3.21	µg/L	EPA 8270C	-88	-88			
2017/18-5	ME-SCR	srgt environ, rec	6/14/2018	Organic	Nitrobenzene-d5	n/a	=	64	%	EPA 8270C	-88	-88	51	143	
2017/18-5	ME-SCR	srgt environ	6/19/2018	Organic	Nitrobenzene-d5	n/a	=	15.8	µg/L	EPA 625	-88	-88			
2017/18-5	ME-SCR	srgt environ, rec	6/19/2018	Organic	Nitrobenzene-d5	n/a	=	32	%	EPA 625	-88	-88	27	111	
2017/18-5	ME-VR2	srgt environ	6/29/2018	Organic	Nitrobenzene-d5	n/a	=	19.2	µg/L	EPA 625	-88	-88			
2017/18-5	ME-VR2	srgt environ, rec	6/29/2018	Organic	Nitrobenzene-d5	n/a	=	77	%	EPA 625	-88	-88	27	111	
2017/18-5	ME-VR2	srgt environ	7/3/2018	Organic	Nitrobenzene-d5	n/a	=	3.24	µg/L	EPA 8270C	-88	-88			
2017/18-5	ME-VR2	srgt environ, rec	7/3/2018	Organic	Nitrobenzene-d5	n/a	=	65	%	EPA 8270C	-88	-88	51	143	
2017/18-5	MO-CAM	srgt environ	6/8/2018	Organic	Nitrobenzene-d5	n/a	=	18.3	µg/L	EPA 625	-88	-88			
2017/18-5	MO-CAM	srgt environ, rec	6/8/2018	Organic	Nitrobenzene-d5	n/a	=	73	%	EPA 625	-88	-88	27	111	
2017/18-5	MO-CAM	srgt environ	6/13/2018	Organic	Nitrobenzene-d5	n/a	=	3.03	µg/L	EPA 8270C	-88	-88			
2017/18-5	MO-CAM	srgt environ, rec	6/13/2018	Organic	Nitrobenzene-d5	n/a	=	61	%	EPA 8270C	-88	-88	51	143	
2017/18-5	MO-FIL	srgt environ	6/14/2018	Organic	Nitrobenzene-d5	n/a	=	3.09	µg/L	EPA 8270C	-88	-88			
2017/18-5	MO-FIL	srgt environ, rec	6/14/2018	Organic	Nitrobenzene-d5	n/a	=	62	%	EPA 8270C	-88	-88	51	143	
2017/18-5	MO-FIL	srgt environ	6/19/2018	Organic	Nitrobenzene-d5	n/a	=	17.6	µg/L	EPA 625	-88	-88			
2017/18-5	MO-FIL	srgt environ, rec	6/19/2018	Organic	Nitrobenzene-d5	n/a	=	70	%	EPA 625	-88	-88	27	111	
2017/18-5	MO-HUE	srgt environ	6/8/2018	Organic	Nitrobenzene-d5	n/a	=	16.2	µg/L	EPA 625	-88	-88			
2017/18-5	MO-HUE	srgt environ, rec	6/8/2018	Organic	Nitrobenzene-d5	n/a	=	65	%	EPA 625	-88	-88	27	111	
2017/18-5	MO-HUE	srgt environ	6/13/2018	Organic	Nitrobenzene-d5	n/a	=	3.51	µg/L	EPA 8270C	-88	-88			
2017/18-5	MO-HUE	srgt environ, rec	6/13/2018	Organic	Nitrobenzene-d5	n/a	=	70	%	EPA 8270C	-88	-88	51	143	
2017/18-5	MO-OJA	srgt environ	6/29/2018	Organic	Nitrobenzene-d5	n/a	=	18.3	µg/L	EPA 625	-88	-88			
2017/18-5	MO-OJA	srgt environ, rec	6/29/2018	Organic	Nitrobenzene-d5	n/a	=	73	%	EPA 625	-88	-88	27	111	
2017/18-5	MO-OJA	srgt environ	7/3/2018	Organic	Nitrobenzene-d5	n/a	=	2.88	µg/L	EPA 8270C	-88	-88			
2017/18-5	MO-OJA	srgt environ, rec	7/3/2018	Organic	Nitrobenzene-d5	n/a	=	58	%	EPA 8270C	-88	-88	51	143	
2017/18-5	MO-SIM	srgt environ	6/8/2018	Organic	Nitrobenzene-d5	n/a	=	17.6	µg/L	EPA 625	-88	-88			
2017/18-5	MO-SIM	srgt environ, rec	6/8/2018	Organic	Nitrobenzene-d5	n/a	=	71	%	EPA 625	-88	-88	27	111	
2017/18-5	MO-SIM	srgt environ	6/13/2018	Organic	Nitrobenzene-d5	n/a	=	3.39	µg/L	EPA 8270C	-88	-88			
2017/18-5	MO-SIM	srgt environ, rec	6/13/2018	Organic	Nitrobenzene-d5	n/a	=	68	%	EPA 8270C	-88	-88	51	143	
2017/18-5	MO-THO	srgt environ	6/8/2018	Organic	Nitrobenzene-d5	n/a	=	17.8	µg/L	EPA 625	-88	-88			
2017/18-5	MO-THO	srgt environ, rec	6/8/2018	Organic	Nitrobenzene-d5	n/a	=	71	%	EPA 625	-88	-88	27	111	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	MO-THO	srgt environ	6/13/2018	Organic	Nitrobenzene-d5	n/a	=	3.27	µg/L	EPA 8270C	-88	-88			
2017/18-5	MO-THO	srgt environ, rec	6/13/2018	Organic	Nitrobenzene-d5	n/a	=	65	%	EPA 8270C	-88	-88	51	143	
2017/18-5	Lab	method blank	6/8/2018	Organic	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1			
2017/18-5	Lab	LCS	6/8/2018	Organic	N-Nitrosodimethylamine	n/a	=	12.3	µg/L	EPA 625	0.14	1			
2017/18-5	Lab	LCS, rec	6/8/2018	Organic	N-Nitrosodimethylamine	n/a	=	49	%	EPA 625	-88	-88	20	83	
2017/18-5	Lab	LCS dup	6/8/2018	Organic	N-Nitrosodimethylamine	n/a	=	10.8	µg/L	EPA 625	0.14	1			
2017/18-5	Lab	LCS dup, rec	6/8/2018	Organic	N-Nitrosodimethylamine	n/a	=	43	%	EPA 625	-88	-88	20	83	
2017/18-5	Lab	LCS, RPD	6/8/2018	Organic	N-Nitrosodimethylamine	n/a	=	13	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/19/2018	Organic	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1			
2017/18-5	Lab	LCS	6/19/2018	Organic	N-Nitrosodimethylamine	n/a	=	9.38	µg/L	EPA 625	0.14	1			
2017/18-5	Lab	LCS, rec	6/19/2018	Organic	N-Nitrosodimethylamine	n/a	=	38	%	EPA 625	-88	-88	20	83	
2017/18-5	Lab	LCS dup	6/19/2018	Organic	N-Nitrosodimethylamine	n/a	=	9.47	µg/L	EPA 625	0.14	1			
2017/18-5	Lab	LCS dup, rec	6/19/2018	Organic	N-Nitrosodimethylamine	n/a	=	38	%	EPA 625	-88	-88	20	83	
2017/18-5	Lab	LCS, RPD	6/19/2018	Organic	N-Nitrosodimethylamine	n/a	=	0.9	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/28/2018	Organic	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1			
2017/18-5	Lab	LCS	6/28/2018	Organic	N-Nitrosodimethylamine	n/a	=	14.2	µg/L	EPA 625	0.14	1			
2017/18-5	Lab	LCS, rec	6/28/2018	Organic	N-Nitrosodimethylamine	n/a	=	57	%	EPA 625	-88	-88	20	83	
2017/18-5	Lab	LCS dup	6/28/2018	Organic	N-Nitrosodimethylamine	n/a	=	10.7	µg/L	EPA 625	0.14	1			
2017/18-5	Lab	LCS dup, rec	6/28/2018	Organic	N-Nitrosodimethylamine	n/a	=	43	%	EPA 625	-88	-88	20	83	
2017/18-5	Lab	LCS, RPD	6/28/2018	Organic	N-Nitrosodimethylamine	n/a	=	28	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/8/2018	Organic	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2017/18-5	Lab	LCS	6/8/2018	Organic	N-Nitrosodi-N-propylamine	n/a	=	18.3	µg/L	EPA 625	0.26	1			
2017/18-5	Lab	LCS, rec	6/8/2018	Organic	N-Nitrosodi-N-propylamine	n/a	=	73	%	EPA 625	-88	-88	0.1	230	
2017/18-5	Lab	LCS dup	6/8/2018	Organic	N-Nitrosodi-N-propylamine	n/a	=	18.5	µg/L	EPA 625	0.26	1			
2017/18-5	Lab	LCS dup, rec	6/8/2018	Organic	N-Nitrosodi-N-propylamine	n/a	=	74	%	EPA 625	-88	-88	0.1	230	
2017/18-5	Lab	LCS, RPD	6/8/2018	Organic	N-Nitrosodi-N-propylamine	n/a	=	1	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/19/2018	Organic	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2017/18-5	Lab	LCS	6/19/2018	Organic	N-Nitrosodi-N-propylamine	n/a	=	15	µg/L	EPA 625	0.26	1			
2017/18-5	Lab	LCS, rec	6/19/2018	Organic	N-Nitrosodi-N-propylamine	n/a	=	60	%	EPA 625	-88	-88	0.1	230	
2017/18-5	Lab	LCS dup	6/19/2018	Organic	N-Nitrosodi-N-propylamine	n/a	=	16	µg/L	EPA 625	0.26	1			
2017/18-5	Lab	LCS dup, rec	6/19/2018	Organic	N-Nitrosodi-N-propylamine	n/a	=	64	%	EPA 625	-88	-88	0.1	230	
2017/18-5	Lab	LCS, RPD	6/19/2018	Organic	N-Nitrosodi-N-propylamine	n/a	=	6	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/28/2018	Organic	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2017/18-5	Lab	LCS	6/28/2018	Organic	N-Nitrosodi-N-propylamine	n/a	=	20.3	µg/L	EPA 625	0.26	1			
2017/18-5	Lab	LCS, rec	6/28/2018	Organic	N-Nitrosodi-N-propylamine	n/a	=	81	%	EPA 625	-88	-88	0.1	230	
2017/18-5	Lab	LCS dup	6/28/2018	Organic	N-Nitrosodi-N-propylamine	n/a	=	15.6	µg/L	EPA 625	0.26	1			
2017/18-5	Lab	LCS dup, rec	6/28/2018	Organic	N-Nitrosodi-N-propylamine	n/a	=	63	%	EPA 625	-88	-88	0.1	230	
2017/18-5	Lab	LCS, RPD	6/28/2018	Organic	N-Nitrosodi-N-propylamine	n/a	=	26	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/8/2018	Organic	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2017/18-5	Lab	LCS	6/8/2018	Organic	N-Nitrosodiphenylamine	n/a	=	16.7	µg/L	EPA 625	0.19	1			
2017/18-5	Lab	LCS, rec	6/8/2018	Organic	N-Nitrosodiphenylamine	n/a	=	67	%	EPA 625	-88	-88	42	90	
2017/18-5	Lab	LCS dup	6/8/2018	Organic	N-Nitrosodiphenylamine	n/a	=	16.9	µg/L	EPA 625	0.19	1			
2017/18-5	Lab	LCS dup, rec	6/8/2018	Organic	N-Nitrosodiphenylamine	n/a	=	68	%	EPA 625	-88	-88	42	90	
2017/18-5	Lab	LCS, RPD	6/8/2018	Organic	N-Nitrosodiphenylamine	n/a	=	1	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/19/2018	Organic	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2017/18-5	Lab	LCS	6/19/2018	Organic	N-Nitrosodiphenylamine	n/a	=	13	µg/L	EPA 625	0.19	1			
2017/18-5	Lab	LCS, rec	6/19/2018	Organic	N-Nitrosodiphenylamine	n/a	=	52	%	EPA 625	-88	-88	42	90	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	LCS dup	6/19/2018	Organic	N-Nitrosodiphenylamine	n/a	=	14	µg/L	EPA 625	0.19	1			
2017/18-5	Lab	LCS dup, rec	6/19/2018	Organic	N-Nitrosodiphenylamine	n/a	=	56	%	EPA 625	-88	-88	42	90	
2017/18-5	Lab	LCS, RPD	6/19/2018	Organic	N-Nitrosodiphenylamine	n/a	=	7	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/28/2018	Organic	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2017/18-5	Lab	LCS	6/28/2018	Organic	N-Nitrosodiphenylamine	n/a	=	15.7	µg/L	EPA 625	0.19	1			
2017/18-5	Lab	LCS, rec	6/28/2018	Organic	N-Nitrosodiphenylamine	n/a	=	63	%	EPA 625	-88	-88	42	90	
2017/18-5	Lab	LCS dup	6/28/2018	Organic	N-Nitrosodiphenylamine	n/a	=	12.8	µg/L	EPA 625	0.19	1			
2017/18-5	Lab	LCS dup, rec	6/28/2018	Organic	N-Nitrosodiphenylamine	n/a	=	51	%	EPA 625	-88	-88	42	90	
2017/18-5	Lab	LCS, RPD	6/28/2018	Organic	N-Nitrosodiphenylamine	n/a	=	20	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	srgt method blank	6/6/2018	Organic	Perylene-d12	n/a	=	4.42	µg/L	EPA 525.2	-88	-88			
2017/18-5	Lab	srgt method blank, rec	6/6/2018	Organic	Perylene-d12	n/a	=	88	%	EPA 525.2	-88	-88	50	120	
2017/18-5	Lab	srgt LCS	6/6/2018	Organic	Perylene-d12	n/a	=	4.97	µg/L	EPA 525.2	-88	-88			
2017/18-5	Lab	srgt LCS, rec	6/6/2018	Organic	Perylene-d12	n/a	=	99	%	EPA 525.2	-88	-88	50	120	
2017/18-5	Lab	srgt LCS dup	6/6/2018	Organic	Perylene-d12	n/a	=	5.04	µg/L	EPA 525.2	-88	-88			
2017/18-5	Lab	srgt LCS dup, rec	6/6/2018	Organic	Perylene-d12	n/a	=	101	%	EPA 525.2	-88	-88	50	120	
2017/18-5	Lab	srgt method blank	6/14/2018	Organic	Perylene-d12	n/a	=	4.44	µg/L	EPA 525.2	-88	-88			
2017/18-5	Lab	srgt method blank, rec	6/14/2018	Organic	Perylene-d12	n/a	=	89	%	EPA 525.2	-88	-88	50	120	
2017/18-5	Lab	srgt LCS	6/14/2018	Organic	Perylene-d12	n/a	=	5	µg/L	EPA 525.2	-88	-88			
2017/18-5	Lab	srgt LCS, rec	6/14/2018	Organic	Perylene-d12	n/a	=	100	%	EPA 525.2	-88	-88	50	120	
2017/18-5	Lab	srgt LCS dup	6/14/2018	Organic	Perylene-d12	n/a	=	4.92	µg/L	EPA 525.2	-88	-88			
2017/18-5	Lab	srgt LCS dup, rec	6/14/2018	Organic	Perylene-d12	n/a	=	98	%	EPA 525.2	-88	-88	50	120	
2017/18-5	Lab	srgt method blank	6/29/2018	Organic	Perylene-d12	n/a	=	4.42	µg/L	EPA 525.2	-88	-88			
2017/18-5	Lab	srgt method blank, rec	6/29/2018	Organic	Perylene-d12	n/a	=	88	%	EPA 525.2	-88	-88	50	120	
2017/18-5	Lab	srgt LCS	6/29/2018	Organic	Perylene-d12	n/a	=	4.81	µg/L	EPA 525.2	-88	-88			
2017/18-5	Lab	srgt LCS, rec	6/29/2018	Organic	Perylene-d12	n/a	=	96	%	EPA 525.2	-88	-88	50	120	
2017/18-5	Lab	srgt LCS dup	6/29/2018	Organic	Perylene-d12	n/a	=	4.86	µg/L	EPA 525.2	-88	-88			
2017/18-5	Lab	srgt LCS dup, rec	6/29/2018	Organic	Perylene-d12	n/a	=	97	%	EPA 525.2	-88	-88	50	120	
2017/18-5	Lab	srgt method blank	7/2/2018	Organic	Perylene-d12	n/a	=	4.14	µg/L	EPA 525.2	-88	-88			
2017/18-5	Lab	srgt method blank, rec	7/2/2018	Organic	Perylene-d12	n/a	=	83	%	EPA 525.2	-88	-88	50	120	
2017/18-5	Lab	srgt LCS	7/2/2018	Organic	Perylene-d12	n/a	=	4.69	µg/L	EPA 525.2	-88	-88			
2017/18-5	Lab	srgt LCS, rec	7/2/2018	Organic	Perylene-d12	n/a	=	94	%	EPA 525.2	-88	-88	50	120	
2017/18-5	Lab	srgt LCS dup	7/2/2018	Organic	Perylene-d12	n/a	=	4.61	µg/L	EPA 525.2	-88	-88			
2017/18-5	Lab	srgt LCS dup, rec	7/2/2018	Organic	Perylene-d12	n/a	=	92	%	EPA 525.2	-88	-88	50	120	
2017/18-5	ME-CC	srgt environ	6/7/2018	Organic	Perylene-d12	n/a	=	3.23	µg/L	EPA 525.2	-88	-88			
2017/18-5	ME-CC	srgt environ, rec	6/7/2018	Organic	Perylene-d12	n/a	=	65	%	EPA 525.2	-88	-88	50	120	
2017/18-5	ME-SCR	srgt environ	6/14/2018	Organic	Perylene-d12	n/a	=	3.87	µg/L	EPA 525.2	-88	-88			
2017/18-5	ME-SCR	srgt environ, rec	6/14/2018	Organic	Perylene-d12	n/a	=	77	%	EPA 525.2	-88	-88	50	120	
2017/18-5	ME-VR2	srgt environ	6/29/2018	Organic	Perylene-d12	n/a	=	3.5	µg/L	EPA 525.2	-88	-88			
2017/18-5	ME-VR2	srgt environ, rec	6/29/2018	Organic	Perylene-d12	n/a	=	70	%	EPA 525.2	-88	-88	50	120	
2017/18-5	MO-CAM	srgt environ	6/7/2018	Organic	Perylene-d12	n/a	=	3.16	µg/L	EPA 525.2	-88	-88			
2017/18-5	MO-CAM	srgt environ, rec	6/7/2018	Organic	Perylene-d12	n/a	=	63	%	EPA 525.2	-88	-88	50	120	
2017/18-5	MO-FIL	srgt environ	6/14/2018	Organic	Perylene-d12	n/a	=	3.04	µg/L	EPA 525.2	-88	-88			
2017/18-5	MO-FIL	srgt environ, rec	6/14/2018	Organic	Perylene-d12	n/a	=	61	%	EPA 525.2	-88	-88	50	120	
2017/18-5	MO-HUE	srgt environ	6/7/2018	Organic	Perylene-d12	n/a	=	0.182	µg/L	EPA 525.2	-88	-88			GN
2017/18-5	MO-HUE	srgt environ, rec	6/7/2018	Organic	Perylene-d12	n/a	=	4	%	EPA 525.2	-88	-88	50	120	GN
2017/18-5	MO-OJA	srgt environ	6/29/2018	Organic	Perylene-d12	n/a	=	4.73	µg/L	EPA 525.2	-88	-88			
2017/18-5	MO-OJA	srgt environ, rec	6/29/2018	Organic	Perylene-d12	n/a	=	95	%	EPA 525.2	-88	-88	50	120	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	MO-SIM	srgt environ	6/7/2018	Organic	Perylene-d12	n/a	=	2.64	µg/L	EPA 525.2	-88	-88			
2017/18-5	MO-SIM	srgt environ, rec	6/7/2018	Organic	Perylene-d12	n/a	=	53	%	EPA 525.2	-88	-88	50	120	
2017/18-5	MO-THO	srgt environ	6/7/2018	Organic	Perylene-d12	n/a	=	0.988	µg/L	EPA 525.2	-88	-88			GN
2017/18-5	MO-THO	srgt environ, rec	6/7/2018	Organic	Perylene-d12	n/a	=	20	%	EPA 525.2	-88	-88	50	120	GN
2017/18-5	Lab	method blank	6/8/2018	Organic	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1			
2017/18-5	Lab	LCS	6/8/2018	Organic	Phenanthrene	n/a	=	22.8	µg/L	EPA 625	0.32	1			
2017/18-5	Lab	LCS, rec	6/8/2018	Organic	Phenanthrene	n/a	=	91	%	EPA 625	-88	-88	54	120	
2017/18-5	Lab	LCS dup	6/8/2018	Organic	Phenanthrene	n/a	=	23.6	µg/L	EPA 625	0.32	1			
2017/18-5	Lab	LCS dup, rec	6/8/2018	Organic	Phenanthrene	n/a	=	94	%	EPA 625	-88	-88	54	120	
2017/18-5	Lab	LCS, RPD	6/8/2018	Organic	Phenanthrene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/13/2018	Organic	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS	6/13/2018	Organic	Phenanthrene	n/a	=	8.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS, rec	6/13/2018	Organic	Phenanthrene	n/a	=	81	%	EPA 8270C	-88	-88	21	131	
2017/18-5	Lab	LCS dup	6/13/2018	Organic	Phenanthrene	n/a	=	7.92	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS dup, rec	6/13/2018	Organic	Phenanthrene	n/a	=	79	%	EPA 8270C	-88	-88	21	131	
2017/18-5	Lab	LCS, RPD	6/13/2018	Organic	Phenanthrene	n/a	=	2	%	EPA 8270C	-88	-88	0	30	
2017/18-5	Lab	method blank	6/14/2018	Organic	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS	6/14/2018	Organic	Phenanthrene	n/a	=	7.75	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS, rec	6/14/2018	Organic	Phenanthrene	n/a	=	77	%	EPA 8270C	-88	-88	21	131	
2017/18-5	Lab	LCS dup	6/14/2018	Organic	Phenanthrene	n/a	=	7.64	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS dup, rec	6/14/2018	Organic	Phenanthrene	n/a	=	76	%	EPA 8270C	-88	-88	21	131	
2017/18-5	Lab	LCS, RPD	6/14/2018	Organic	Phenanthrene	n/a	=	1	%	EPA 8270C	-88	-88	0	30	
2017/18-5	Lab	method blank	6/19/2018	Organic	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1			
2017/18-5	Lab	LCS	6/19/2018	Organic	Phenanthrene	n/a	=	18.2	µg/L	EPA 625	0.32	1			
2017/18-5	Lab	LCS, rec	6/19/2018	Organic	Phenanthrene	n/a	=	73	%	EPA 625	-88	-88	54	120	
2017/18-5	Lab	LCS dup	6/19/2018	Organic	Phenanthrene	n/a	=	19.7	µg/L	EPA 625	0.32	1			
2017/18-5	Lab	LCS dup, rec	6/19/2018	Organic	Phenanthrene	n/a	=	79	%	EPA 625	-88	-88	54	120	
2017/18-5	Lab	LCS, RPD	6/19/2018	Organic	Phenanthrene	n/a	=	8	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/28/2018	Organic	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1			
2017/18-5	Lab	LCS	6/28/2018	Organic	Phenanthrene	n/a	=	22.7	µg/L	EPA 625	0.32	1			
2017/18-5	Lab	LCS, rec	6/28/2018	Organic	Phenanthrene	n/a	=	91	%	EPA 625	-88	-88	54	120	
2017/18-5	Lab	LCS dup	6/28/2018	Organic	Phenanthrene	n/a	=	20	µg/L	EPA 625	0.32	1			
2017/18-5	Lab	LCS dup, rec	6/28/2018	Organic	Phenanthrene	n/a	=	80	%	EPA 625	-88	-88	54	120	
2017/18-5	Lab	LCS, RPD	6/28/2018	Organic	Phenanthrene	n/a	=	13	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	7/3/2018	Organic	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS	7/3/2018	Organic	Phenanthrene	n/a	=	7.25	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS, rec	7/3/2018	Organic	Phenanthrene	n/a	=	73	%	EPA 8270C	-88	-88	21	131	
2017/18-5	Lab	LCS dup	7/3/2018	Organic	Phenanthrene	n/a	=	6.19	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS dup, rec	7/3/2018	Organic	Phenanthrene	n/a	=	62	%	EPA 8270C	-88	-88	21	131	
2017/18-5	Lab	LCS, RPD	7/3/2018	Organic	Phenanthrene	n/a	=	16	%	EPA 8270C	-88	-88	0	30	
2017/18-5	Lab	method blank	6/8/2018	Organic	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1			
2017/18-5	Lab	LCS	6/8/2018	Organic	Phenol	n/a	=	7.73	µg/L	EPA 625	0.16	1			
2017/18-5	Lab	LCS, rec	6/8/2018	Organic	Phenol	n/a	=	31	%	EPA 625	-88	-88	5	112	
2017/18-5	Lab	LCS dup	6/8/2018	Organic	Phenol	n/a	=	7.31	µg/L	EPA 625	0.16	1			
2017/18-5	Lab	LCS dup, rec	6/8/2018	Organic	Phenol	n/a	=	29	%	EPA 625	-88	-88	5	112	
2017/18-5	Lab	LCS, RPD	6/8/2018	Organic	Phenol	n/a	=	6	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/12/2018	Organic	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	LCS	6/12/2018	Organic	Phenol	n/a	=	3.27	µg/L	EPA 8270C	0.35	1			
2017/18-5	Lab	LCS, rec	6/12/2018	Organic	Phenol	n/a	=	33	%	EPA 8270C	-88	-88	6	43	
2017/18-5	Lab	LCS dup	6/12/2018	Organic	Phenol	n/a	=	3.02	µg/L	EPA 8270C	0.35	1			
2017/18-5	Lab	LCS dup, rec	6/12/2018	Organic	Phenol	n/a	=	30	%	EPA 8270C	-88	-88	6	43	
2017/18-5	Lab	LCS, RPD	6/12/2018	Organic	Phenol	n/a	=	8	%	EPA 8270C	-88	-88	0	30	
2017/18-5	Lab	method blank	6/19/2018	Organic	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1			
2017/18-5	Lab	LCS	6/19/2018	Organic	Phenol	n/a	=	2.79	µg/L	EPA 8270C	0.35	1			
2017/18-5	Lab	LCS, rec	6/19/2018	Organic	Phenol	n/a	=	28	%	EPA 8270C	-88	-88	6	43	
2017/18-5	Lab	LCS dup	6/19/2018	Organic	Phenol	n/a	=	3.31	µg/L	EPA 8270C	0.35	1			
2017/18-5	Lab	LCS dup, rec	6/19/2018	Organic	Phenol	n/a	=	33	%	EPA 8270C	-88	-88	6	43	
2017/18-5	Lab	LCS, RPD	6/19/2018	Organic	Phenol	n/a	=	17	%	EPA 8270C	-88	-88	0	30	
2017/18-5	Lab	method blank	6/19/2018	Organic	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1			
2017/18-5	Lab	LCS	6/19/2018	Organic	Phenol	n/a	=	6.4	µg/L	EPA 625	0.16	1			
2017/18-5	Lab	LCS, rec	6/19/2018	Organic	Phenol	n/a	=	26	%	EPA 625	-88	-88	5	112	
2017/18-5	Lab	LCS dup	6/19/2018	Organic	Phenol	n/a	=	6.76	µg/L	EPA 625	0.16	1			
2017/18-5	Lab	LCS dup, rec	6/19/2018	Organic	Phenol	n/a	=	27	%	EPA 625	-88	-88	5	112	
2017/18-5	Lab	LCS, RPD	6/19/2018	Organic	Phenol	n/a	=	6	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/28/2018	Organic	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1			
2017/18-5	Lab	LCS	6/28/2018	Organic	Phenol	n/a	=	7.76	µg/L	EPA 625	0.16	1			
2017/18-5	Lab	LCS, rec	6/28/2018	Organic	Phenol	n/a	=	31	%	EPA 625	-88	-88	5	112	
2017/18-5	Lab	LCS dup	6/28/2018	Organic	Phenol	n/a	=	5.67	µg/L	EPA 625	0.16	1			
2017/18-5	Lab	LCS dup, rec	6/28/2018	Organic	Phenol	n/a	=	23	%	EPA 625	-88	-88	5	112	
2017/18-5	Lab	LCS, RPD	6/28/2018	Organic	Phenol	n/a	=	31	%	EPA 625	-88	-88	0	30	IL
2017/18-5	Lab	method blank	7/3/2018	Organic	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1			
2017/18-5	Lab	LCS	7/3/2018	Organic	Phenol	n/a	=	3.12	µg/L	EPA 8270C	0.35	1			
2017/18-5	Lab	LCS, rec	7/3/2018	Organic	Phenol	n/a	=	31	%	EPA 8270C	-88	-88	6	43	
2017/18-5	Lab	LCS dup	7/3/2018	Organic	Phenol	n/a	=	2.76	µg/L	EPA 8270C	0.35	1			
2017/18-5	Lab	LCS dup, rec	7/3/2018	Organic	Phenol	n/a	=	28	%	EPA 8270C	-88	-88	6	43	
2017/18-5	Lab	LCS, RPD	7/3/2018	Organic	Phenol	n/a	=	12	%	EPA 8270C	-88	-88	0	30	
2017/18-5	Lab	srgt method blank	6/8/2018	Organic	Phenol-d5	n/a	=	16.2	µg/L	EPA 625	-88	-88			
2017/18-5	Lab	srgt method blank, rec	6/8/2018	Organic	Phenol-d5	n/a	=	32	%	EPA 625	-88	-88	0.1	53	
2017/18-5	Lab	srgt LCS	6/8/2018	Organic	Phenol-d5	n/a	=	15	µg/L	EPA 625	-88	-88			
2017/18-5	Lab	srgt LCS, rec	6/8/2018	Organic	Phenol-d5	n/a	=	30	%	EPA 625	-88	-88	0.1	53	
2017/18-5	Lab	srgt LCS dup	6/8/2018	Organic	Phenol-d5	n/a	=	13.9	µg/L	EPA 625	-88	-88			
2017/18-5	Lab	srgt LCS dup, rec	6/8/2018	Organic	Phenol-d5	n/a	=	28	%	EPA 625	-88	-88	0.1	53	
2017/18-5	Lab	srgt method blank	6/12/2018	Organic	Phenol-d5	n/a	=	2.3	µg/L	EPA 8270C	-88	-88			
2017/18-5	Lab	srgt method blank, rec	6/12/2018	Organic	Phenol-d5	n/a	=	23	%	EPA 8270C	-88	-88	5	46	
2017/18-5	Lab	srgt LCS	6/12/2018	Organic	Phenol-d5	n/a	=	3.07	µg/L	EPA 8270C	-88	-88			
2017/18-5	Lab	srgt LCS, rec	6/12/2018	Organic	Phenol-d5	n/a	=	31	%	EPA 8270C	-88	-88	5	46	
2017/18-5	Lab	srgt LCS dup	6/12/2018	Organic	Phenol-d5	n/a	=	2.79	µg/L	EPA 8270C	-88	-88			
2017/18-5	Lab	srgt LCS dup, rec	6/12/2018	Organic	Phenol-d5	n/a	=	28	%	EPA 8270C	-88	-88	5	46	
2017/18-5	Lab	srgt method blank	6/18/2018	Organic	Phenol-d5	n/a	=	2.42	µg/L	EPA 8270C	-88	-88			
2017/18-5	Lab	srgt method blank, rec	6/18/2018	Organic	Phenol-d5	n/a	=	24	%	EPA 8270C	-88	-88	5	46	
2017/18-5	Lab	srgt LCS	6/18/2018	Organic	Phenol-d5	n/a	=	2.7	µg/L	EPA 8270C	-88	-88			
2017/18-5	Lab	srgt LCS, rec	6/18/2018	Organic	Phenol-d5	n/a	=	27	%	EPA 8270C	-88	-88	5	46	
2017/18-5	Lab	srgt LCS dup	6/18/2018	Organic	Phenol-d5	n/a	=	2.52	µg/L	EPA 8270C	-88	-88			
2017/18-5	Lab	srgt LCS dup, rec	6/18/2018	Organic	Phenol-d5	n/a	=	25	%	EPA 8270C	-88	-88	5	46	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	srgt method blank	6/19/2018	Organic	Phenol-d5	n/a	=	2.43	µg/L	EPA 8270C	-88	-88			
2017/18-5	Lab	srgt method blank, rec	6/19/2018	Organic	Phenol-d5	n/a	=	24	%	EPA 8270C	-88	-88	5	46	
2017/18-5	Lab	srgt LCS	6/19/2018	Organic	Phenol-d5	n/a	=	2.52	µg/L	EPA 8270C	-88	-88			
2017/18-5	Lab	srgt LCS, rec	6/19/2018	Organic	Phenol-d5	n/a	=	25	%	EPA 8270C	-88	-88	5	46	
2017/18-5	Lab	srgt LCS dup	6/19/2018	Organic	Phenol-d5	n/a	=	3.01	µg/L	EPA 8270C	-88	-88			
2017/18-5	Lab	srgt LCS dup, rec	6/19/2018	Organic	Phenol-d5	n/a	=	30	%	EPA 8270C	-88	-88	5	46	
2017/18-5	Lab	srgt method blank	6/19/2018	Organic	Phenol-d5	n/a	=	12.6	µg/L	EPA 625	-88	-88			
2017/18-5	Lab	srgt method blank, rec	6/19/2018	Organic	Phenol-d5	n/a	=	25	%	EPA 625	-88	-88	0.1	53	
2017/18-5	Lab	srgt LCS	6/19/2018	Organic	Phenol-d5	n/a	=	11.7	µg/L	EPA 625	-88	-88			
2017/18-5	Lab	srgt LCS, rec	6/19/2018	Organic	Phenol-d5	n/a	=	23	%	EPA 625	-88	-88	0.1	53	
2017/18-5	Lab	srgt LCS dup	6/19/2018	Organic	Phenol-d5	n/a	=	12.3	µg/L	EPA 625	-88	-88			
2017/18-5	Lab	srgt LCS dup, rec	6/19/2018	Organic	Phenol-d5	n/a	=	25	%	EPA 625	-88	-88	0.1	53	
2017/18-5	Lab	srgt method blank	6/28/2018	Organic	Phenol-d5	n/a	=	16.9	µg/L	EPA 625	-88	-88			
2017/18-5	Lab	srgt method blank, rec	6/28/2018	Organic	Phenol-d5	n/a	=	34	%	EPA 625	-88	-88	0.1	53	
2017/18-5	Lab	srgt LCS	6/28/2018	Organic	Phenol-d5	n/a	=	16.1	µg/L	EPA 625	-88	-88			
2017/18-5	Lab	srgt LCS, rec	6/28/2018	Organic	Phenol-d5	n/a	=	32	%	EPA 625	-88	-88	0.1	53	
2017/18-5	Lab	srgt LCS dup	6/28/2018	Organic	Phenol-d5	n/a	=	11.9	µg/L	EPA 625	-88	-88			
2017/18-5	Lab	srgt LCS dup, rec	6/28/2018	Organic	Phenol-d5	n/a	=	24	%	EPA 625	-88	-88	0.1	53	
2017/18-5	Lab	srgt method blank	7/3/2018	Organic	Phenol-d5	n/a	=	2.36	µg/L	EPA 8270C	-88	-88			
2017/18-5	Lab	srgt method blank, rec	7/3/2018	Organic	Phenol-d5	n/a	=	24	%	EPA 8270C	-88	-88	5	46	
2017/18-5	Lab	srgt LCS	7/3/2018	Organic	Phenol-d5	n/a	=	3.21	µg/L	EPA 8270C	-88	-88			
2017/18-5	Lab	srgt LCS, rec	7/3/2018	Organic	Phenol-d5	n/a	=	32	%	EPA 8270C	-88	-88	5	46	
2017/18-5	Lab	srgt LCS dup	7/3/2018	Organic	Phenol-d5	n/a	=	2.75	µg/L	EPA 8270C	-88	-88			
2017/18-5	Lab	srgt LCS dup, rec	7/3/2018	Organic	Phenol-d5	n/a	=	28	%	EPA 8270C	-88	-88	5	46	
2017/18-5	ME-CC	srgt environ	6/8/2018	Organic	Phenol-d5	n/a	=	15.4	µg/L	EPA 625	-88	-88			
2017/18-5	ME-CC	srgt environ, rec	6/8/2018	Organic	Phenol-d5	n/a	=	31	%	EPA 625	-88	-88	0.1	53	
2017/18-5	ME-CC	srgt environ	6/12/2018	Organic	Phenol-d5	n/a	=	2.53	µg/L	EPA 8270C	-88	-88			
2017/18-5	ME-CC	srgt environ, rec	6/12/2018	Organic	Phenol-d5	n/a	=	25	%	EPA 8270C	-88	-88	5	46	
2017/18-5	ME-SCR	srgt environ	6/19/2018	Organic	Phenol-d5	n/a	=	4.14	µg/L	EPA 8270C	-88	-88			
2017/18-5	ME-SCR	srgt environ, rec	6/19/2018	Organic	Phenol-d5	n/a	=	41	%	EPA 8270C	-88	-88	5	46	
2017/18-5	ME-SCR	srgt environ	6/19/2018	Organic	Phenol-d5	n/a	=	19.9	µg/L	EPA 625	-88	-88			
2017/18-5	ME-SCR	srgt environ, rec	6/19/2018	Organic	Phenol-d5	n/a	=	20	%	EPA 625	-88	-88	0.1	53	
2017/18-5	ME-VR2	srgt environ	6/29/2018	Organic	Phenol-d5	n/a	=	15.3	µg/L	EPA 625	-88	-88			
2017/18-5	ME-VR2	srgt environ, rec	6/29/2018	Organic	Phenol-d5	n/a	=	31	%	EPA 625	-88	-88	0.1	53	
2017/18-5	ME-VR2	srgt environ	7/3/2018	Organic	Phenol-d5	n/a	=	2.59	µg/L	EPA 8270C	-88	-88			
2017/18-5	ME-VR2	srgt environ, rec	7/3/2018	Organic	Phenol-d5	n/a	=	26	%	EPA 8270C	-88	-88	5	46	
2017/18-5	MO-CAM	srgt environ	6/8/2018	Organic	Phenol-d5	n/a	=	14.9	µg/L	EPA 625	-88	-88			
2017/18-5	MO-CAM	srgt environ, rec	6/8/2018	Organic	Phenol-d5	n/a	=	30	%	EPA 625	-88	-88	0.1	53	
2017/18-5	MO-CAM	srgt environ	6/12/2018	Organic	Phenol-d5	n/a	<	0	µg/L	EPA 8270C	-88	-88			GN
2017/18-5	MO-CAM	srgt environ, rec	6/12/2018	Organic	Phenol-d5	n/a	=	0	%	EPA 8270C	-88	-88	5	46	GN
2017/18-5	MO-FIL	srgt environ	6/19/2018	Organic	Phenol-d5	n/a	=	2.34	µg/L	EPA 8270C	-88	-88			
2017/18-5	MO-FIL	srgt environ, rec	6/19/2018	Organic	Phenol-d5	n/a	=	23	%	EPA 8270C	-88	-88	5	46	
2017/18-5	MO-FIL	srgt environ	6/19/2018	Organic	Phenol-d5	n/a	=	13	µg/L	EPA 625	-88	-88			
2017/18-5	MO-FIL	srgt environ, rec	6/19/2018	Organic	Phenol-d5	n/a	=	26	%	EPA 625	-88	-88	0.1	53	
2017/18-5	MO-HUE	srgt environ	6/8/2018	Organic	Phenol-d5	n/a	=	12.1	µg/L	EPA 625	-88	-88			
2017/18-5	MO-HUE	srgt environ, rec	6/8/2018	Organic	Phenol-d5	n/a	=	24	%	EPA 625	-88	-88	0.1	53	
2017/18-5	MO-HUE	srgt environ	6/12/2018	Organic	Phenol-d5	n/a	=	2.37	µg/L	EPA 8270C	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	MO-HUE	srgt environ, rec	6/12/2018	Organic	Phenol-d5	n/a	=	24	%	EPA 8270C	-88	-88	5	46	
2017/18-5	MO-OJA	srgt environ	6/29/2018	Organic	Phenol-d5	n/a	=	15.1	µg/L	EPA 625	-88	-88			
2017/18-5	MO-OJA	srgt environ, rec	6/29/2018	Organic	Phenol-d5	n/a	=	30	%	EPA 625	-88	-88	0.1	53	
2017/18-5	MO-OJA	srgt environ	7/3/2018	Organic	Phenol-d5	n/a	=	2.34	µg/L	EPA 8270C	-88	-88			
2017/18-5	MO-OJA	srgt environ, rec	7/3/2018	Organic	Phenol-d5	n/a	=	23	%	EPA 8270C	-88	-88	5	46	
2017/18-5	MO-SIM	srgt environ	6/8/2018	Organic	Phenol-d5	n/a	=	13.4	µg/L	EPA 625	-88	-88			
2017/18-5	MO-SIM	srgt environ, rec	6/8/2018	Organic	Phenol-d5	n/a	=	27	%	EPA 625	-88	-88	0.1	53	
2017/18-5	MO-SIM	srgt environ	6/12/2018	Organic	Phenol-d5	n/a	=	2.39	µg/L	EPA 8270C	-88	-88			
2017/18-5	MO-SIM	srgt environ, rec	6/12/2018	Organic	Phenol-d5	n/a	=	24	%	EPA 8270C	-88	-88	5	46	
2017/18-5	MO-THO	srgt environ	6/8/2018	Organic	Phenol-d5	n/a	=	12.2	µg/L	EPA 625	-88	-88			
2017/18-5	MO-THO	srgt environ, rec	6/8/2018	Organic	Phenol-d5	n/a	=	24	%	EPA 625	-88	-88	0.1	53	
2017/18-5	MO-THO	srgt environ	6/12/2018	Organic	Phenol-d5	n/a	=	2.33	µg/L	EPA 8270C	-88	-88			
2017/18-5	MO-THO	srgt environ, rec	6/12/2018	Organic	Phenol-d5	n/a	=	23	%	EPA 8270C	-88	-88	5	46	
2017/18-5	Lab	srgt method blank	6/8/2018	Organic	p-Terphenyl-d14	n/a	=	21.9	µg/L	EPA 625	-88	-88			
2017/18-5	Lab	srgt method blank, rec	6/8/2018	Organic	p-Terphenyl-d14	n/a	=	87	%	EPA 625	-88	-88	28	113	
2017/18-5	Lab	srgt LCS	6/8/2018	Organic	p-Terphenyl-d14	n/a	=	21.7	µg/L	EPA 625	-88	-88			
2017/18-5	Lab	srgt LCS, rec	6/8/2018	Organic	p-Terphenyl-d14	n/a	=	87	%	EPA 625	-88	-88	28	113	
2017/18-5	Lab	srgt LCS dup	6/8/2018	Organic	p-Terphenyl-d14	n/a	=	22.5	µg/L	EPA 625	-88	-88			
2017/18-5	Lab	srgt LCS dup, rec	6/8/2018	Organic	p-Terphenyl-d14	n/a	=	90	%	EPA 625	-88	-88	28	113	
2017/18-5	Lab	srgt method blank	6/13/2018	Organic	p-Terphenyl-d14	n/a	=	5.76	µg/L	EPA 8270C	-88	-88			
2017/18-5	Lab	srgt method blank, rec	6/13/2018	Organic	p-Terphenyl-d14	n/a	=	115	%	EPA 8270C	-88	-88	19	134	
2017/18-5	Lab	srgt LCS	6/13/2018	Organic	p-Terphenyl-d14	n/a	=	5.79	µg/L	EPA 8270C	-88	-88			
2017/18-5	Lab	srgt LCS, rec	6/13/2018	Organic	p-Terphenyl-d14	n/a	=	116	%	EPA 8270C	-88	-88	19	134	
2017/18-5	Lab	srgt LCS dup	6/13/2018	Organic	p-Terphenyl-d14	n/a	=	5.71	µg/L	EPA 8270C	-88	-88			
2017/18-5	Lab	srgt LCS dup, rec	6/13/2018	Organic	p-Terphenyl-d14	n/a	=	114	%	EPA 8270C	-88	-88	19	134	
2017/18-5	Lab	srgt method blank	6/14/2018	Organic	p-Terphenyl-d14	n/a	=	5.51	µg/L	EPA 8270C	-88	-88			
2017/18-5	Lab	srgt method blank, rec	6/14/2018	Organic	p-Terphenyl-d14	n/a	=	110	%	EPA 8270C	-88	-88	19	134	
2017/18-5	Lab	srgt LCS	6/14/2018	Organic	p-Terphenyl-d14	n/a	=	5.75	µg/L	EPA 8270C	-88	-88			
2017/18-5	Lab	srgt LCS, rec	6/14/2018	Organic	p-Terphenyl-d14	n/a	=	115	%	EPA 8270C	-88	-88	19	134	
2017/18-5	Lab	srgt LCS dup	6/14/2018	Organic	p-Terphenyl-d14	n/a	=	5.92	µg/L	EPA 8270C	-88	-88			
2017/18-5	Lab	srgt LCS dup, rec	6/14/2018	Organic	p-Terphenyl-d14	n/a	=	118	%	EPA 8270C	-88	-88	19	134	
2017/18-5	Lab	srgt method blank	6/19/2018	Organic	p-Terphenyl-d14	n/a	=	24.6	µg/L	EPA 625	-88	-88			
2017/18-5	Lab	srgt method blank, rec	6/19/2018	Organic	p-Terphenyl-d14	n/a	=	98	%	EPA 625	-88	-88	28	113	
2017/18-5	Lab	srgt LCS	6/19/2018	Organic	p-Terphenyl-d14	n/a	=	21.4	µg/L	EPA 625	-88	-88			
2017/18-5	Lab	srgt LCS, rec	6/19/2018	Organic	p-Terphenyl-d14	n/a	=	86	%	EPA 625	-88	-88	28	113	
2017/18-5	Lab	srgt LCS dup	6/19/2018	Organic	p-Terphenyl-d14	n/a	=	23.2	µg/L	EPA 625	-88	-88			
2017/18-5	Lab	srgt LCS dup, rec	6/19/2018	Organic	p-Terphenyl-d14	n/a	=	93	%	EPA 625	-88	-88	28	113	
2017/18-5	Lab	srgt method blank	6/28/2018	Organic	p-Terphenyl-d14	n/a	=	21.7	µg/L	EPA 625	-88	-88			
2017/18-5	Lab	srgt method blank, rec	6/28/2018	Organic	p-Terphenyl-d14	n/a	=	87	%	EPA 625	-88	-88	28	113	
2017/18-5	Lab	srgt LCS	6/28/2018	Organic	p-Terphenyl-d14	n/a	=	22.4	µg/L	EPA 625	-88	-88			
2017/18-5	Lab	srgt LCS, rec	6/28/2018	Organic	p-Terphenyl-d14	n/a	=	89	%	EPA 625	-88	-88	28	113	
2017/18-5	Lab	srgt LCS dup	6/28/2018	Organic	p-Terphenyl-d14	n/a	=	20.4	µg/L	EPA 625	-88	-88			
2017/18-5	Lab	srgt LCS dup, rec	6/28/2018	Organic	p-Terphenyl-d14	n/a	=	82	%	EPA 625	-88	-88	28	113	
2017/18-5	Lab	srgt method blank	7/3/2018	Organic	p-Terphenyl-d14	n/a	=	4.58	µg/L	EPA 8270C	-88	-88			
2017/18-5	Lab	srgt method blank, rec	7/3/2018	Organic	p-Terphenyl-d14	n/a	=	92	%	EPA 8270C	-88	-88	19	134	
2017/18-5	Lab	srgt LCS	7/3/2018	Organic	p-Terphenyl-d14	n/a	=	4.95	µg/L	EPA 8270C	-88	-88			
2017/18-5	Lab	srgt LCS, rec	7/3/2018	Organic	p-Terphenyl-d14	n/a	=	99	%	EPA 8270C	-88	-88	19	134	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	srgt LCS dup	7/3/2018	Organic	p-Terphenyl-d14	n/a	=	4.75	µg/L	EPA 8270C	-88	-88			
2017/18-5	Lab	srgt LCS dup, rec	7/3/2018	Organic	p-Terphenyl-d14	n/a	=	95	%	EPA 8270C	-88	-88	19	134	
2017/18-5	ME-CC	srgt environ	6/8/2018	Organic	p-Terphenyl-d14	n/a	=	22	µg/L	EPA 625	-88	-88			
2017/18-5	ME-CC	srgt environ, rec	6/8/2018	Organic	p-Terphenyl-d14	n/a	=	88	%	EPA 625	-88	-88	28	113	
2017/18-5	ME-CC	srgt environ	6/13/2018	Organic	p-Terphenyl-d14	n/a	=	5.39	µg/L	EPA 8270C	-88	-88			
2017/18-5	ME-CC	srgt environ, rec	6/13/2018	Organic	p-Terphenyl-d14	n/a	=	108	%	EPA 8270C	-88	-88	19	134	
2017/18-5	ME-SCR	srgt environ	6/14/2018	Organic	p-Terphenyl-d14	n/a	=	5.36	µg/L	EPA 8270C	-88	-88			
2017/18-5	ME-SCR	srgt environ, rec	6/14/2018	Organic	p-Terphenyl-d14	n/a	=	107	%	EPA 8270C	-88	-88	19	134	
2017/18-5	ME-SCR	srgt environ	6/19/2018	Organic	p-Terphenyl-d14	n/a	=	22.6	µg/L	EPA 625	-88	-88			
2017/18-5	ME-SCR	srgt environ, rec	6/19/2018	Organic	p-Terphenyl-d14	n/a	=	45	%	EPA 625	-88	-88	28	113	
2017/18-5	ME-VR2	srgt environ	6/29/2018	Organic	p-Terphenyl-d14	n/a	=	21	µg/L	EPA 625	-88	-88			
2017/18-5	ME-VR2	srgt environ, rec	6/29/2018	Organic	p-Terphenyl-d14	n/a	=	84	%	EPA 625	-88	-88	28	113	
2017/18-5	ME-VR2	srgt environ	7/3/2018	Organic	p-Terphenyl-d14	n/a	=	5.14	µg/L	EPA 8270C	-88	-88			
2017/18-5	ME-VR2	srgt environ, rec	7/3/2018	Organic	p-Terphenyl-d14	n/a	=	103	%	EPA 8270C	-88	-88	19	134	
2017/18-5	MO-CAM	srgt environ	6/8/2018	Organic	p-Terphenyl-d14	n/a	=	20	µg/L	EPA 625	-88	-88			
2017/18-5	MO-CAM	srgt environ, rec	6/8/2018	Organic	p-Terphenyl-d14	n/a	=	80	%	EPA 625	-88	-88	28	113	
2017/18-5	MO-CAM	srgt environ	6/13/2018	Organic	p-Terphenyl-d14	n/a	=	4.11	µg/L	EPA 8270C	-88	-88			
2017/18-5	MO-CAM	srgt environ, rec	6/13/2018	Organic	p-Terphenyl-d14	n/a	=	82	%	EPA 8270C	-88	-88	19	134	
2017/18-5	MO-FIL	srgt environ	6/14/2018	Organic	p-Terphenyl-d14	n/a	=	5.52	µg/L	EPA 8270C	-88	-88			
2017/18-5	MO-FIL	srgt environ, rec	6/14/2018	Organic	p-Terphenyl-d14	n/a	=	110	%	EPA 8270C	-88	-88	19	134	
2017/18-5	MO-FIL	srgt environ	6/19/2018	Organic	p-Terphenyl-d14	n/a	=	23.5	µg/L	EPA 625	-88	-88			
2017/18-5	MO-FIL	srgt environ, rec	6/19/2018	Organic	p-Terphenyl-d14	n/a	=	94	%	EPA 625	-88	-88	28	113	
2017/18-5	MO-HUE	srgt environ	6/8/2018	Organic	p-Terphenyl-d14	n/a	=	18.1	µg/L	EPA 625	-88	-88			
2017/18-5	MO-HUE	srgt environ, rec	6/8/2018	Organic	p-Terphenyl-d14	n/a	=	72	%	EPA 625	-88	-88	28	113	
2017/18-5	MO-HUE	srgt environ	6/13/2018	Organic	p-Terphenyl-d14	n/a	=	5.43	µg/L	EPA 8270C	-88	-88			
2017/18-5	MO-HUE	srgt environ, rec	6/13/2018	Organic	p-Terphenyl-d14	n/a	=	109	%	EPA 8270C	-88	-88	19	134	
2017/18-5	MO-OJA	srgt environ	6/29/2018	Organic	p-Terphenyl-d14	n/a	=	18.9	µg/L	EPA 625	-88	-88			
2017/18-5	MO-OJA	srgt environ, rec	6/29/2018	Organic	p-Terphenyl-d14	n/a	=	76	%	EPA 625	-88	-88	28	113	
2017/18-5	MO-OJA	srgt environ	7/3/2018	Organic	p-Terphenyl-d14	n/a	=	4.49	µg/L	EPA 8270C	-88	-88			
2017/18-5	MO-OJA	srgt environ, rec	7/3/2018	Organic	p-Terphenyl-d14	n/a	=	90	%	EPA 8270C	-88	-88	19	134	
2017/18-5	MO-SIM	srgt environ	6/8/2018	Organic	p-Terphenyl-d14	n/a	=	22.1	µg/L	EPA 625	-88	-88			
2017/18-5	MO-SIM	srgt environ, rec	6/8/2018	Organic	p-Terphenyl-d14	n/a	=	88	%	EPA 625	-88	-88	28	113	
2017/18-5	MO-SIM	srgt environ	6/13/2018	Organic	p-Terphenyl-d14	n/a	=	5.18	µg/L	EPA 8270C	-88	-88			
2017/18-5	MO-SIM	srgt environ, rec	6/13/2018	Organic	p-Terphenyl-d14	n/a	=	104	%	EPA 8270C	-88	-88	19	134	
2017/18-5	MO-THO	srgt environ	6/8/2018	Organic	p-Terphenyl-d14	n/a	=	23.1	µg/L	EPA 625	-88	-88			
2017/18-5	MO-THO	srgt environ, rec	6/8/2018	Organic	p-Terphenyl-d14	n/a	=	92	%	EPA 625	-88	-88	28	113	
2017/18-5	MO-THO	srgt environ	6/13/2018	Organic	p-Terphenyl-d14	n/a	=	5.42	µg/L	EPA 8270C	-88	-88			
2017/18-5	MO-THO	srgt environ, rec	6/13/2018	Organic	p-Terphenyl-d14	n/a	=	108	%	EPA 8270C	-88	-88	19	134	
2017/18-5	Lab	method blank	6/8/2018	Organic	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2017/18-5	Lab	LCS	6/8/2018	Organic	Pyrene	n/a	=	22	µg/L	EPA 625	0.25	1			
2017/18-5	Lab	LCS, rec	6/8/2018	Organic	Pyrene	n/a	=	88	%	EPA 625	-88	-88	52	115	
2017/18-5	Lab	LCS dup	6/8/2018	Organic	Pyrene	n/a	=	22.8	µg/L	EPA 625	0.25	1			
2017/18-5	Lab	LCS dup, rec	6/8/2018	Organic	Pyrene	n/a	=	91	%	EPA 625	-88	-88	52	115	
2017/18-5	Lab	LCS, RPD	6/8/2018	Organic	Pyrene	n/a	=	3	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/13/2018	Organic	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS	6/13/2018	Organic	Pyrene	n/a	=	10.9	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS, rec	6/13/2018	Organic	Pyrene	n/a	=	109	%	EPA 8270C	-88	-88	26	128	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	LCS dup	6/13/2018	Organic	Pyrene	n/a	=	11	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS dup, rec	6/13/2018	Organic	Pyrene	n/a	=	110	%	EPA 8270C	-88	-88	26	128	
2017/18-5	Lab	LCS, RPD	6/13/2018	Organic	Pyrene	n/a	=	0.8	%	EPA 8270C	-88	-88	0	30	
2017/18-5	Lab	method blank	6/14/2018	Organic	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS	6/14/2018	Organic	Pyrene	n/a	=	10.4	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS, rec	6/14/2018	Organic	Pyrene	n/a	=	104	%	EPA 8270C	-88	-88	26	128	
2017/18-5	Lab	LCS dup	6/14/2018	Organic	Pyrene	n/a	=	10.9	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS dup, rec	6/14/2018	Organic	Pyrene	n/a	=	109	%	EPA 8270C	-88	-88	26	128	
2017/18-5	Lab	LCS, RPD	6/14/2018	Organic	Pyrene	n/a	=	5	%	EPA 8270C	-88	-88	0	30	
2017/18-5	Lab	method blank	6/19/2018	Organic	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2017/18-5	Lab	LCS	6/19/2018	Organic	Pyrene	n/a	=	19.9	µg/L	EPA 625	0.25	1			
2017/18-5	Lab	LCS, rec	6/19/2018	Organic	Pyrene	n/a	=	80	%	EPA 625	-88	-88	52	115	
2017/18-5	Lab	LCS dup	6/19/2018	Organic	Pyrene	n/a	=	21.2	µg/L	EPA 625	0.25	1			
2017/18-5	Lab	LCS dup, rec	6/19/2018	Organic	Pyrene	n/a	=	85	%	EPA 625	-88	-88	52	115	
2017/18-5	Lab	LCS, RPD	6/19/2018	Organic	Pyrene	n/a	=	6	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/28/2018	Organic	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2017/18-5	Lab	LCS	6/28/2018	Organic	Pyrene	n/a	=	20.6	µg/L	EPA 625	0.25	1			
2017/18-5	Lab	LCS, rec	6/28/2018	Organic	Pyrene	n/a	=	82	%	EPA 625	-88	-88	52	115	
2017/18-5	Lab	LCS dup	6/28/2018	Organic	Pyrene	n/a	=	19.3	µg/L	EPA 625	0.25	1			
2017/18-5	Lab	LCS dup, rec	6/28/2018	Organic	Pyrene	n/a	=	77	%	EPA 625	-88	-88	52	115	
2017/18-5	Lab	LCS, RPD	6/28/2018	Organic	Pyrene	n/a	=	6	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	7/3/2018	Organic	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS	7/3/2018	Organic	Pyrene	n/a	=	9.05	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS, rec	7/3/2018	Organic	Pyrene	n/a	=	90	%	EPA 8270C	-88	-88	26	128	
2017/18-5	Lab	LCS dup	7/3/2018	Organic	Pyrene	n/a	=	8.84	µg/L	EPA 8270C	0.1	0.1			
2017/18-5	Lab	LCS dup, rec	7/3/2018	Organic	Pyrene	n/a	=	88	%	EPA 8270C	-88	-88	26	128	
2017/18-5	Lab	LCS, RPD	7/3/2018	Organic	Pyrene	n/a	=	2	%	EPA 8270C	-88	-88	0	30	
2017/18-5	000NONPJ	srgt matrix spike	6/11/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0577	µg/L	EPA 608	-88	-88			
2017/18-5	000NONPJ	srgt matrix spike, rec	6/11/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	58	%	EPA 608	-88	-88	35	111	
2017/18-5	000NONPJ	srgt matrix spike dup	6/11/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0701	µg/L	EPA 608	-88	-88			
2017/18-5	000NONPJ	srgt matrix spike dup, rec	6/11/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	70	%	EPA 608	-88	-88	35	111	
2017/18-5	000NONPJ	srgt matrix spike	6/12/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0434	µg/L	EPA 608	-88	-88			
2017/18-5	000NONPJ	srgt matrix spike, rec	6/12/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	43	%	EPA 608	-88	-88	35	111	
2017/18-5	000NONPJ	srgt matrix spike dup	6/12/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0515	µg/L	EPA 608	-88	-88			
2017/18-5	000NONPJ	srgt matrix spike dup, rec	6/12/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	52	%	EPA 608	-88	-88	35	111	
2017/18-5	Lab	srgt method blank	6/11/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0807	µg/L	EPA 608	-88	-88			
2017/18-5	Lab	srgt method blank, rec	6/11/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	81	%	EPA 608	-88	-88	35	111	
2017/18-5	Lab	srgt LCS	6/11/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0772	µg/L	EPA 608	-88	-88			
2017/18-5	Lab	srgt LCS, rec	6/11/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	77	%	EPA 608	-88	-88	35	111	
2017/18-5	Lab	srgt method blank	6/12/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0824	µg/L	EPA 608	-88	-88			
2017/18-5	Lab	srgt method blank, rec	6/12/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	82	%	EPA 608	-88	-88	35	111	
2017/18-5	Lab	srgt LCS	6/12/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0745	µg/L	EPA 608	-88	-88			
2017/18-5	Lab	srgt LCS, rec	6/12/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	74	%	EPA 608	-88	-88	35	111	
2017/18-5	Lab	srgt method blank	6/19/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0809	µg/L	EPA 608	-88	-88			
2017/18-5	Lab	srgt method blank, rec	6/19/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	81	%	EPA 608	-88	-88	35	111	
2017/18-5	Lab	srgt LCS	6/19/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.084	µg/L	EPA 608	-88	-88			
2017/18-5	Lab	srgt LCS, rec	6/19/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	84	%	EPA 608	-88	-88	35	111	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	srgt method blank	7/3/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0774	µg/L	EPA 608	-88	-88			
2017/18-5	Lab	srgt method blank, rec	7/3/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	77	%	EPA 608	-88	-88	35	111	
2017/18-5	Lab	srgt LCS	7/3/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0908	µg/L	EPA 608	-88	-88			
2017/18-5	Lab	srgt LCS, rec	7/3/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	91	%	EPA 608	-88	-88	35	111	
2017/18-5	ME-CC	srgt environ	6/11/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0593	µg/L	EPA 608	-88	-88			
2017/18-5	ME-CC	srgt environ, rec	6/11/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	59	%	EPA 608	-88	-88	35	111	
2017/18-5	ME-SCR	srgt environ	6/13/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0634	µg/L	EPA 608	-88	-88			
2017/18-5	ME-SCR	srgt environ, rec	6/13/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	63	%	EPA 608	-88	-88	35	111	
2017/18-5	ME-VR2	srgt matrix spike	7/3/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0703	µg/L	EPA 608	-88	-88			
2017/18-5	ME-VR2	srgt matrix spike, rec	7/3/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	70	%	EPA 608	-88	-88	35	111	
2017/18-5	ME-VR2	srgt matrix spike dup	7/3/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0701	µg/L	EPA 608	-88	-88			
2017/18-5	ME-VR2	srgt matrix spike dup, rec	7/3/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	70	%	EPA 608	-88	-88	35	111	
2017/18-5	ME-VR2	srgt environ	7/3/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0529	µg/L	EPA 608	-88	-88			
2017/18-5	ME-VR2	srgt environ, rec	7/3/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	53	%	EPA 608	-88	-88	35	111	
2017/18-5	MO-CAM	srgt environ	6/11/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0519	µg/L	EPA 608	-88	-88			
2017/18-5	MO-CAM	srgt environ, rec	6/11/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	52	%	EPA 608	-88	-88	35	111	
2017/18-5	MO-FIL	srgt environ	6/13/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0633	µg/L	EPA 608	-88	-88			
2017/18-5	MO-FIL	srgt environ, rec	6/13/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	63	%	EPA 608	-88	-88	35	111	
2017/18-5	MO-HUE	srgt environ	6/11/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.058	µg/L	EPA 608	-88	-88			
2017/18-5	MO-HUE	srgt environ, rec	6/11/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	58	%	EPA 608	-88	-88	35	111	
2017/18-5	MO-OJA	srgt environ	7/3/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0687	µg/L	EPA 608	-88	-88			
2017/18-5	MO-OJA	srgt environ, rec	7/3/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	69	%	EPA 608	-88	-88	35	111	
2017/18-5	MO-SIM	srgt environ	6/11/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0713	µg/L	EPA 608	-88	-88			
2017/18-5	MO-SIM	srgt environ, rec	6/11/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	71	%	EPA 608	-88	-88	35	111	
2017/18-5	MO-THO	srgt environ	6/11/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0346	µg/L	EPA 608	-88	-88			
2017/18-5	MO-THO	srgt environ, rec	6/11/2018	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	35	%	EPA 608	-88	-88	35	111	
2017/18-5	Lab	srgt LCS	6/4/2018	Organic	Toluene-d8	n/a	=	50.3	µg/L	EPA 624	-88	-88			
2017/18-5	Lab	srgt LCS, rec	6/4/2018	Organic	Toluene-d8	n/a	=	101	%	EPA 624	-88	-88	92	112	
2017/18-5	Lab	srgt LCS dup	6/4/2018	Organic	Toluene-d8	n/a	=	50.4	µg/L	EPA 624	-88	-88			
2017/18-5	Lab	srgt LCS dup, rec	6/4/2018	Organic	Toluene-d8	n/a	=	101	%	EPA 624	-88	-88	92	112	
2017/18-5	Lab	srgt method blank	6/4/2018	Organic	Toluene-d8	n/a	=	43.8	µg/L	EPA 624	-88	-88			GN
2017/18-5	Lab	srgt method blank, rec	6/4/2018	Organic	Toluene-d8	n/a	=	88	%	EPA 624	-88	-88	92	112	GN
2017/18-5	Lab	srgt LCS	6/5/2018	Organic	Toluene-d8	n/a	=	50.3	µg/L	EPA 624	-88	-88			
2017/18-5	Lab	srgt LCS, rec	6/5/2018	Organic	Toluene-d8	n/a	=	101	%	EPA 624	-88	-88	92	112	
2017/18-5	Lab	srgt LCS dup	6/5/2018	Organic	Toluene-d8	n/a	=	49.7	µg/L	EPA 624	-88	-88			
2017/18-5	Lab	srgt LCS dup, rec	6/5/2018	Organic	Toluene-d8	n/a	=	99	%	EPA 624	-88	-88	92	112	
2017/18-5	Lab	srgt method blank	6/5/2018	Organic	Toluene-d8	n/a	=	49.7	µg/L	EPA 624	-88	-88			
2017/18-5	Lab	srgt method blank, rec	6/5/2018	Organic	Toluene-d8	n/a	=	99	%	EPA 624	-88	-88	92	112	
2017/18-5	Lab	srgt LCS	6/11/2018	Organic	Toluene-d8	n/a	=	51	µg/L	EPA 624	-88	-88			
2017/18-5	Lab	srgt LCS, rec	6/11/2018	Organic	Toluene-d8	n/a	=	102	%	EPA 624	-88	-88	92	112	
2017/18-5	Lab	srgt LCS dup	6/11/2018	Organic	Toluene-d8	n/a	=	50.8	µg/L	EPA 624	-88	-88			
2017/18-5	Lab	srgt LCS dup, rec	6/11/2018	Organic	Toluene-d8	n/a	=	102	%	EPA 624	-88	-88	92	112	
2017/18-5	Lab	srgt method blank	6/11/2018	Organic	Toluene-d8	n/a	=	50.3	µg/L	EPA 624	-88	-88			
2017/18-5	Lab	srgt method blank, rec	6/11/2018	Organic	Toluene-d8	n/a	=	101	%	EPA 624	-88	-88	92	112	
2017/18-5	Lab	srgt LCS	6/25/2018	Organic	Toluene-d8	n/a	=	50.2	µg/L	EPA 624	-88	-88			
2017/18-5	Lab	srgt LCS, rec	6/25/2018	Organic	Toluene-d8	n/a	=	100	%	EPA 624	-88	-88	92	112	
2017/18-5	Lab	srgt LCS dup	6/25/2018	Organic	Toluene-d8	n/a	=	50.4	µg/L	EPA 624	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	srgt LCS dup, rec	6/25/2018	Organic	Toluene-d8	n/a	=	101	%	EPA 624	-88	-88	92	112	
2017/18-5	Lab	srgt method blank	6/25/2018	Organic	Toluene-d8	n/a	=	48.3	µg/L	EPA 624	-88	-88			
2017/18-5	Lab	srgt method blank, rec	6/25/2018	Organic	Toluene-d8	n/a	=	97	%	EPA 624	-88	-88	92	112	
2017/18-5	ME-CC	srgt environ	6/4/2018	Organic	Toluene-d8	n/a	=	49.5	µg/L	EPA 624	-88	-88			
2017/18-5	ME-CC	srgt environ, rec	6/4/2018	Organic	Toluene-d8	n/a	=	99	%	EPA 624	-88	-88	92	112	
2017/18-5	ME-SCR	srgt environ	6/11/2018	Organic	Toluene-d8	n/a	=	50.8	µg/L	EPA 624	-88	-88			
2017/18-5	ME-SCR	srgt environ, rec	6/11/2018	Organic	Toluene-d8	n/a	=	102	%	EPA 624	-88	-88	92	112	
2017/18-5	ME-VR2	srgt environ	6/26/2018	Organic	Toluene-d8	n/a	=	49.2	µg/L	EPA 624	-88	-88			
2017/18-5	ME-VR2	srgt environ, rec	6/26/2018	Organic	Toluene-d8	n/a	=	98	%	EPA 624	-88	-88	92	112	
2017/18-5	MO-CAM	srgt environ	6/4/2018	Organic	Toluene-d8	n/a	=	49.4	µg/L	EPA 624	-88	-88			
2017/18-5	MO-CAM	srgt environ, rec	6/4/2018	Organic	Toluene-d8	n/a	=	99	%	EPA 624	-88	-88	92	112	
2017/18-5	MO-FIL	srgt environ	6/11/2018	Organic	Toluene-d8	n/a	=	50	µg/L	EPA 624	-88	-88			
2017/18-5	MO-FIL	srgt environ, rec	6/11/2018	Organic	Toluene-d8	n/a	=	100	%	EPA 624	-88	-88	92	112	
2017/18-5	MO-HUE	srgt environ	6/5/2018	Organic	Toluene-d8	n/a	=	50.1	µg/L	EPA 624	-88	-88			
2017/18-5	MO-HUE	srgt environ, rec	6/5/2018	Organic	Toluene-d8	n/a	=	100	%	EPA 624	-88	-88	92	112	
2017/18-5	MO-OJA	srgt environ	6/26/2018	Organic	Toluene-d8	n/a	=	48.7	µg/L	EPA 624	-88	-88			
2017/18-5	MO-OJA	srgt environ, rec	6/26/2018	Organic	Toluene-d8	n/a	=	97	%	EPA 624	-88	-88	92	112	
2017/18-5	MO-SIM	srgt environ	6/4/2018	Organic	Toluene-d8	n/a	=	49.6	µg/L	EPA 624	-88	-88			
2017/18-5	MO-SIM	srgt environ, rec	6/4/2018	Organic	Toluene-d8	n/a	=	99	%	EPA 624	-88	-88	92	112	
2017/18-5	MO-THO	srgt environ	6/5/2018	Organic	Toluene-d8	n/a	=	49.6	µg/L	EPA 624	-88	-88			
2017/18-5	MO-THO	srgt environ, rec	6/5/2018	Organic	Toluene-d8	n/a	=	99	%	EPA 624	-88	-88	92	112	
2017/18-5	MO-VEN	srgt environ	6/11/2018	Organic	Toluene-d8	n/a	=	50.5	µg/L	EPA 624	-88	-88			
2017/18-5	MO-VEN	srgt environ, rec	6/11/2018	Organic	Toluene-d8	n/a	=	101	%	EPA 624	-88	-88	92	112	
2017/18-5	000NONPJ	srgt matrix spike	7/3/2018	Organic	Triphenylphosphate	n/a	=	0.559	µg/L	EPA 525.2m	-88	-88			
2017/18-5	000NONPJ	srgt matrix spike, rec	7/3/2018	Organic	Triphenylphosphate	n/a	=	112	%	EPA 525.2m	-88	-88	40	163	
2017/18-5	000NONPJ	srgt matrix spike dup	7/3/2018	Organic	Triphenylphosphate	n/a	=	0.56	µg/L	EPA 525.2m	-88	-88			
2017/18-5	000NONPJ	srgt matrix spike dup, rec	7/3/2018	Organic	Triphenylphosphate	n/a	=	112	%	EPA 525.2m	-88	-88	40	163	
2017/18-5	Lab	srgt method blank	6/6/2018	Organic	Triphenylphosphate	n/a	=	4.61	µg/L	EPA 525.2	-88	-88			
2017/18-5	Lab	srgt method blank, rec	6/6/2018	Organic	Triphenylphosphate	n/a	=	92	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	srgt LCS	6/6/2018	Organic	Triphenylphosphate	n/a	=	5.11	µg/L	EPA 525.2	-88	-88			
2017/18-5	Lab	srgt LCS, rec	6/6/2018	Organic	Triphenylphosphate	n/a	=	102	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	srgt LCS dup	6/6/2018	Organic	Triphenylphosphate	n/a	=	5.44	µg/L	EPA 525.2	-88	-88			
2017/18-5	Lab	srgt LCS dup, rec	6/6/2018	Organic	Triphenylphosphate	n/a	=	109	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	srgt method blank	6/13/2018	Organic	Triphenylphosphate	n/a	=	0.534	µg/L	EPA 525.2m	-88	-88			
2017/18-5	Lab	srgt method blank, rec	6/13/2018	Organic	Triphenylphosphate	n/a	=	107	%	EPA 525.2m	-88	-88	40	163	
2017/18-5	Lab	srgt LCS	6/13/2018	Organic	Triphenylphosphate	n/a	=	0.457	µg/L	EPA 525.2m	-88	-88			
2017/18-5	Lab	srgt LCS, rec	6/13/2018	Organic	Triphenylphosphate	n/a	=	91	%	EPA 525.2m	-88	-88	40	163	
2017/18-5	Lab	srgt method blank	6/14/2018	Organic	Triphenylphosphate	n/a	=	5.78	µg/L	EPA 525.2	-88	-88			
2017/18-5	Lab	srgt method blank, rec	6/14/2018	Organic	Triphenylphosphate	n/a	=	116	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	srgt LCS	6/14/2018	Organic	Triphenylphosphate	n/a	=	6.27	µg/L	EPA 525.2	-88	-88			
2017/18-5	Lab	srgt LCS, rec	6/14/2018	Organic	Triphenylphosphate	n/a	=	125	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	srgt LCS dup	6/14/2018	Organic	Triphenylphosphate	n/a	=	6.06	µg/L	EPA 525.2	-88	-88			
2017/18-5	Lab	srgt LCS dup, rec	6/14/2018	Organic	Triphenylphosphate	n/a	=	121	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	srgt method blank	6/18/2018	Organic	Triphenylphosphate	n/a	=	0.59	µg/L	EPA 525.2m	-88	-88			
2017/18-5	Lab	srgt method blank, rec	6/18/2018	Organic	Triphenylphosphate	n/a	=	118	%	EPA 525.2m	-88	-88	40	163	
2017/18-5	Lab	srgt LCS	6/18/2018	Organic	Triphenylphosphate	n/a	=	0.644	µg/L	EPA 525.2m	-88	-88			
2017/18-5	Lab	srgt LCS, rec	6/18/2018	Organic	Triphenylphosphate	n/a	=	129	%	EPA 525.2m	-88	-88	40	163	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	srgt LCS dup	6/18/2018	Organic	Triphenylphosphate	n/a	=	0.61	µg/L	EPA 525.2m	-88	-88			
2017/18-5	Lab	srgt LCS dup, rec	6/18/2018	Organic	Triphenylphosphate	n/a	=	122	%	EPA 525.2m	-88	-88	40	163	
2017/18-5	Lab	srgt method blank	6/29/2018	Organic	Triphenylphosphate	n/a	=	6	µg/L	EPA 525.2	-88	-88			
2017/18-5	Lab	srgt method blank, rec	6/29/2018	Organic	Triphenylphosphate	n/a	=	120	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	srgt LCS	6/29/2018	Organic	Triphenylphosphate	n/a	=	6.74	µg/L	EPA 525.2	-88	-88			GN
2017/18-5	Lab	srgt LCS, rec	6/29/2018	Organic	Triphenylphosphate	n/a	=	135	%	EPA 525.2	-88	-88	70	130	GN
2017/18-5	Lab	srgt LCS dup	6/29/2018	Organic	Triphenylphosphate	n/a	=	6.64	µg/L	EPA 525.2	-88	-88			GN
2017/18-5	Lab	srgt LCS dup, rec	6/29/2018	Organic	Triphenylphosphate	n/a	=	133	%	EPA 525.2	-88	-88	70	130	GN
2017/18-5	Lab	srgt method blank	7/2/2018	Organic	Triphenylphosphate	n/a	=	5.95	µg/L	EPA 525.2	-88	-88			
2017/18-5	Lab	srgt method blank, rec	7/2/2018	Organic	Triphenylphosphate	n/a	=	119	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	srgt LCS	7/2/2018	Organic	Triphenylphosphate	n/a	=	6.53	µg/L	EPA 525.2	-88	-88			GN
2017/18-5	Lab	srgt LCS, rec	7/2/2018	Organic	Triphenylphosphate	n/a	=	131	%	EPA 525.2	-88	-88	70	130	GN
2017/18-5	Lab	srgt LCS dup	7/2/2018	Organic	Triphenylphosphate	n/a	=	6.35	µg/L	EPA 525.2	-88	-88			
2017/18-5	Lab	srgt LCS dup, rec	7/2/2018	Organic	Triphenylphosphate	n/a	=	127	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	srgt method blank	7/3/2018	Organic	Triphenylphosphate	n/a	=	0.63	µg/L	EPA 525.2m	-88	-88			
2017/18-5	Lab	srgt method blank, rec	7/3/2018	Organic	Triphenylphosphate	n/a	=	126	%	EPA 525.2m	-88	-88	40	163	
2017/18-5	Lab	srgt LCS	7/3/2018	Organic	Triphenylphosphate	n/a	=	0.487	µg/L	EPA 525.2m	-88	-88			
2017/18-5	Lab	srgt LCS, rec	7/3/2018	Organic	Triphenylphosphate	n/a	=	97	%	EPA 525.2m	-88	-88	40	163	
2017/18-5	ME-CC	srgt environ	6/7/2018	Organic	Triphenylphosphate	n/a	=	5.58	µg/L	EPA 525.2	-88	-88			
2017/18-5	ME-CC	srgt environ, rec	6/7/2018	Organic	Triphenylphosphate	n/a	=	112	%	EPA 525.2	-88	-88	70	130	
2017/18-5	ME-CC	srgt matrix spike dup	6/13/2018	Organic	Triphenylphosphate	n/a	=	0.648	µg/L	EPA 525.2m	-88	-88			
2017/18-5	ME-CC	srgt matrix spike dup, rec	6/13/2018	Organic	Triphenylphosphate	n/a	=	130	%	EPA 525.2m	-88	-88	40	163	
2017/18-5	ME-CC	srgt matrix spike	6/13/2018	Organic	Triphenylphosphate	n/a	=	0.7	µg/L	EPA 525.2m	-88	-88			
2017/18-5	ME-CC	srgt matrix spike, rec	6/13/2018	Organic	Triphenylphosphate	n/a	=	140	%	EPA 525.2m	-88	-88	40	163	
2017/18-5	ME-CC	srgt environ	6/13/2018	Organic	Triphenylphosphate	n/a	=	0.669	µg/L	EPA 525.2m	-88	-88			
2017/18-5	ME-CC	srgt environ, rec	6/13/2018	Organic	Triphenylphosphate	n/a	=	134	%	EPA 525.2m	-88	-88	40	163	
2017/18-5	ME-SCR	srgt environ	6/13/2018	Organic	Triphenylphosphate	n/a	=	0.659	µg/L	EPA 525.2m	-88	-88			
2017/18-5	ME-SCR	srgt environ, rec	6/13/2018	Organic	Triphenylphosphate	n/a	=	132	%	EPA 525.2m	-88	-88	40	163	
2017/18-5	ME-SCR	srgt environ	6/14/2018	Organic	Triphenylphosphate	n/a	=	6.44	µg/L	EPA 525.2	-88	-88			
2017/18-5	ME-SCR	srgt environ, rec	6/14/2018	Organic	Triphenylphosphate	n/a	=	129	%	EPA 525.2	-88	-88	70	130	
2017/18-5	ME-VR2	srgt environ	6/29/2018	Organic	Triphenylphosphate	n/a	=	6.63	µg/L	EPA 525.2	-88	-88			GN
2017/18-5	ME-VR2	srgt environ, rec	6/29/2018	Organic	Triphenylphosphate	n/a	=	133	%	EPA 525.2	-88	-88	70	130	GN
2017/18-5	ME-VR2	srgt environ	7/3/2018	Organic	Triphenylphosphate	n/a	=	0.614	µg/L	EPA 525.2m	-88	-88			
2017/18-5	ME-VR2	srgt environ, rec	7/3/2018	Organic	Triphenylphosphate	n/a	=	123	%	EPA 525.2m	-88	-88	40	163	
2017/18-5	MO-CAM	srgt environ	6/7/2018	Organic	Triphenylphosphate	n/a	=	5.91	µg/L	EPA 525.2	-88	-88			
2017/18-5	MO-CAM	srgt environ, rec	6/7/2018	Organic	Triphenylphosphate	n/a	=	118	%	EPA 525.2	-88	-88	70	130	
2017/18-5	MO-CAM	srgt environ	6/18/2018	Organic	Triphenylphosphate	n/a	=	0.598	µg/L	EPA 525.2m	-88	-88			H
2017/18-5	MO-CAM	srgt environ, rec	6/18/2018	Organic	Triphenylphosphate	n/a	=	120	%	EPA 525.2m	-88	-88	40	163	H
2017/18-5	MO-FIL	srgt environ	6/13/2018	Organic	Triphenylphosphate	n/a	=	0.598	µg/L	EPA 525.2m	-88	-88			
2017/18-5	MO-FIL	srgt environ, rec	6/13/2018	Organic	Triphenylphosphate	n/a	=	120	%	EPA 525.2m	-88	-88	40	163	
2017/18-5	MO-FIL	srgt environ	6/14/2018	Organic	Triphenylphosphate	n/a	=	6.79	µg/L	EPA 525.2	-88	-88			GN
2017/18-5	MO-FIL	srgt environ, rec	6/14/2018	Organic	Triphenylphosphate	n/a	=	136	%	EPA 525.2	-88	-88	70	130	GN
2017/18-5	MO-HUE	srgt environ	6/7/2018	Organic	Triphenylphosphate	n/a	=	6.09	µg/L	EPA 525.2	-88	-88			
2017/18-5	MO-HUE	srgt environ, rec	6/7/2018	Organic	Triphenylphosphate	n/a	=	122	%	EPA 525.2	-88	-88	70	130	
2017/18-5	MO-HUE	srgt environ	6/14/2018	Organic	Triphenylphosphate	n/a	=	0.623	µg/L	EPA 525.2m	-88	-88			
2017/18-5	MO-HUE	srgt environ, rec	6/14/2018	Organic	Triphenylphosphate	n/a	=	125	%	EPA 525.2m	-88	-88	40	163	
2017/18-5	MO-OJA	srgt environ	6/29/2018	Organic	Triphenylphosphate	n/a	=	7.21	µg/L	EPA 525.2	-88	-88			GN

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	MO-OJA	srgt environ, rec	6/29/2018	Organic	Triphenylphosphate	n/a	=	144	%	EPA 525.2	-88	-88	70	130	GN
2017/18-5	MO-OJA	srgt environ	7/3/2018	Organic	Triphenylphosphate	n/a	=	0.523	µg/L	EPA 525.2m	-88	-88			
2017/18-5	MO-OJA	srgt environ, rec	7/3/2018	Organic	Triphenylphosphate	n/a	=	105	%	EPA 525.2m	-88	-88	40	163	
2017/18-5	MO-SIM	srgt environ	6/7/2018	Organic	Triphenylphosphate	n/a	=	5.4	µg/L	EPA 525.2	-88	-88			
2017/18-5	MO-SIM	srgt environ, rec	6/7/2018	Organic	Triphenylphosphate	n/a	=	108	%	EPA 525.2	-88	-88	70	130	
2017/18-5	MO-SIM	srgt environ	6/13/2018	Organic	Triphenylphosphate	n/a	=	0.485	µg/L	EPA 525.2m	-88	-88			
2017/18-5	MO-SIM	srgt environ, rec	6/13/2018	Organic	Triphenylphosphate	n/a	=	97	%	EPA 525.2m	-88	-88	40	163	
2017/18-5	MO-THO	srgt environ	6/7/2018	Organic	Triphenylphosphate	n/a	=	5.68	µg/L	EPA 525.2	-88	-88			
2017/18-5	MO-THO	srgt environ, rec	6/7/2018	Organic	Triphenylphosphate	n/a	=	114	%	EPA 525.2	-88	-88	70	130	
2017/18-5	MO-THO	srgt environ	6/13/2018	Organic	Triphenylphosphate	n/a	=	0.644	µg/L	EPA 525.2m	-88	-88			
2017/18-5	MO-THO	srgt environ, rec	6/13/2018	Organic	Triphenylphosphate	n/a	=	129	%	EPA 525.2m	-88	-88	40	163	
2017/18-5	000NONPJ	srgt matrix spike	6/11/2018	PCB	PCB 209	n/a	=	0.067	µg/L	EPA 608	-88	-88			
2017/18-5	000NONPJ	srgt matrix spike, rec	6/11/2018	PCB	PCB 209	n/a	=	67	%	EPA 608	-88	-88	34	125	
2017/18-5	000NONPJ	srgt matrix spike dup	6/11/2018	PCB	PCB 209	n/a	=	0.0757	µg/L	EPA 608	-88	-88			
2017/18-5	000NONPJ	srgt matrix spike dup, rec	6/11/2018	PCB	PCB 209	n/a	=	76	%	EPA 608	-88	-88	34	125	
2017/18-5	000NONPJ	srgt matrix spike	6/12/2018	PCB	PCB 209	n/a	=	0.0927	µg/L	EPA 608	-88	-88			
2017/18-5	000NONPJ	srgt matrix spike, rec	6/12/2018	PCB	PCB 209	n/a	=	93	%	EPA 608	-88	-88	34	125	
2017/18-5	000NONPJ	srgt matrix spike dup	6/12/2018	PCB	PCB 209	n/a	=	0.0806	µg/L	EPA 608	-88	-88			
2017/18-5	000NONPJ	srgt matrix spike dup, rec	6/12/2018	PCB	PCB 209	n/a	=	81	%	EPA 608	-88	-88	34	125	
2017/18-5	Lab	srgt method blank	6/11/2018	PCB	PCB 209	n/a	=	0.0774	µg/L	EPA 608	-88	-88			
2017/18-5	Lab	srgt method blank, rec	6/11/2018	PCB	PCB 209	n/a	=	77	%	EPA 608	-88	-88	34	125	
2017/18-5	Lab	srgt LCS	6/11/2018	PCB	PCB 209	n/a	=	0.0329	µg/L	EPA 608	-88	-88			GN
2017/18-5	Lab	srgt LCS, rec	6/11/2018	PCB	PCB 209	n/a	=	33	%	EPA 608	-88	-88	34	125	GN
2017/18-5	Lab	srgt method blank	6/12/2018	PCB	PCB 209	n/a	=	0.0596	µg/L	EPA 608	-88	-88			
2017/18-5	Lab	srgt method blank, rec	6/12/2018	PCB	PCB 209	n/a	=	60	%	EPA 608	-88	-88	34	125	
2017/18-5	Lab	srgt LCS	6/12/2018	PCB	PCB 209	n/a	=	0.0652	µg/L	EPA 608	-88	-88			
2017/18-5	Lab	srgt LCS, rec	6/12/2018	PCB	PCB 209	n/a	=	65	%	EPA 608	-88	-88	34	125	
2017/18-5	Lab	srgt method blank	6/19/2018	PCB	PCB 209	n/a	=	0.0837	µg/L	EPA 608	-88	-88			
2017/18-5	Lab	srgt method blank, rec	6/19/2018	PCB	PCB 209	n/a	=	84	%	EPA 608	-88	-88	34	125	
2017/18-5	Lab	srgt LCS	6/19/2018	PCB	PCB 209	n/a	=	0.0366	µg/L	EPA 608	-88	-88			
2017/18-5	Lab	srgt LCS, rec	6/19/2018	PCB	PCB 209	n/a	=	37	%	EPA 608	-88	-88	34	125	
2017/18-5	Lab	srgt method blank	7/3/2018	PCB	PCB 209	n/a	=	0.0161	µg/L	EPA 608	-88	-88			GN
2017/18-5	Lab	srgt method blank, rec	7/3/2018	PCB	PCB 209	n/a	=	16	%	EPA 608	-88	-88	34	125	GN
2017/18-5	Lab	srgt LCS	7/3/2018	PCB	PCB 209	n/a	=	0.0207	µg/L	EPA 608	-88	-88			GN
2017/18-5	Lab	srgt LCS, rec	7/3/2018	PCB	PCB 209	n/a	=	21	%	EPA 608	-88	-88	34	125	GN
2017/18-5	ME-CC	srgt environ	6/11/2018	PCB	PCB 209	n/a	=	0.0706	µg/L	EPA 608	-88	-88			
2017/18-5	ME-CC	srgt environ, rec	6/11/2018	PCB	PCB 209	n/a	=	71	%	EPA 608	-88	-88	34	125	
2017/18-5	ME-SCR	srgt environ	6/13/2018	PCB	PCB 209	n/a	=	0.0721	µg/L	EPA 608	-88	-88			
2017/18-5	ME-SCR	srgt environ, rec	6/13/2018	PCB	PCB 209	n/a	=	72	%	EPA 608	-88	-88	34	125	
2017/18-5	ME-VR2	srgt matrix spike	7/3/2018	PCB	PCB 209	n/a	=	0.0958	µg/L	EPA 608	-88	-88			
2017/18-5	ME-VR2	srgt matrix spike, rec	7/3/2018	PCB	PCB 209	n/a	=	96	%	EPA 608	-88	-88	34	125	
2017/18-5	ME-VR2	srgt matrix spike dup	7/3/2018	PCB	PCB 209	n/a	=	0.0962	µg/L	EPA 608	-88	-88			
2017/18-5	ME-VR2	srgt matrix spike dup, rec	7/3/2018	PCB	PCB 209	n/a	=	96	%	EPA 608	-88	-88	34	125	
2017/18-5	ME-VR2	srgt environ	7/3/2018	PCB	PCB 209	n/a	=	0.0853	µg/L	EPA 608	-88	-88			
2017/18-5	ME-VR2	srgt environ, rec	7/3/2018	PCB	PCB 209	n/a	=	85	%	EPA 608	-88	-88	34	125	
2017/18-5	MO-CAM	srgt environ	6/11/2018	PCB	PCB 209	n/a	=	0.0744	µg/L	EPA 608	-88	-88			
2017/18-5	MO-CAM	srgt environ, rec	6/11/2018	PCB	PCB 209	n/a	=	74	%	EPA 608	-88	-88	34	125	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	MO-FIL	srgt environ	6/13/2018	PCB	PCB 209	n/a	=	0.0761	µg/L	EPA 608	-88	-88			
2017/18-5	MO-FIL	srgt environ, rec	6/13/2018	PCB	PCB 209	n/a	=	76	%	EPA 608	-88	-88	34	125	
2017/18-5	MO-HUE	srgt environ	6/11/2018	PCB	PCB 209	n/a	=	0.0747	µg/L	EPA 608	-88	-88			
2017/18-5	MO-HUE	srgt environ, rec	6/11/2018	PCB	PCB 209	n/a	=	75	%	EPA 608	-88	-88	34	125	
2017/18-5	MO-OJA	srgt environ	7/3/2018	PCB	PCB 209	n/a	=	0.0883	µg/L	EPA 608	-88	-88			
2017/18-5	MO-OJA	srgt environ, rec	7/3/2018	PCB	PCB 209	n/a	=	88	%	EPA 608	-88	-88	34	125	
2017/18-5	MO-SIM	srgt environ	6/11/2018	PCB	PCB 209	n/a	=	0.0842	µg/L	EPA 608	-88	-88			
2017/18-5	MO-SIM	srgt environ, rec	6/11/2018	PCB	PCB 209	n/a	=	84	%	EPA 608	-88	-88	34	125	
2017/18-5	MO-THO	srgt environ	6/11/2018	PCB	PCB 209	n/a	=	0.0973	µg/L	EPA 608	-88	-88			
2017/18-5	MO-THO	srgt environ, rec	6/11/2018	PCB	PCB 209	n/a	=	97	%	EPA 608	-88	-88	34	125	
2017/18-5	000NONPJ	matrix spike	6/12/2018	Pesticide	2,4,5-T	n/a	=	4.21	µg/L	EPA 515.3	0.07	0.2			
2017/18-5	000NONPJ	matrix spike, rec	6/12/2018	Pesticide	2,4,5-T	n/a	=	105	%	EPA 515.3	-88	-88	70	130	
2017/18-5	000NONPJ	matrix spike dup	6/12/2018	Pesticide	2,4,5-T	n/a	=	4.38	µg/L	EPA 515.3	0.07	0.2			
2017/18-5	000NONPJ	matrix spike dup, rec	6/12/2018	Pesticide	2,4,5-T	n/a	=	109	%	EPA 515.3	-88	-88	70	130	
2017/18-5	000NONPJ	matrix spike, RPD	6/12/2018	Pesticide	2,4,5-T	n/a	=	4	%	EPA 515.3	-88	-88	0	30	
2017/18-5	Lab	method blank	6/12/2018	Pesticide	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2			
2017/18-5	Lab	LCS	6/12/2018	Pesticide	2,4,5-T	n/a	=	4.01	µg/L	EPA 515.3	0.07	0.2			
2017/18-5	Lab	LCS, rec	6/12/2018	Pesticide	2,4,5-T	n/a	=	100	%	EPA 515.3	-88	-88	70	130	
2017/18-5	Lab	method blank	6/13/2018	Pesticide	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2			
2017/18-5	Lab	LCS	6/13/2018	Pesticide	2,4,5-T	n/a	=	4.14	µg/L	EPA 515.3	0.07	0.2			
2017/18-5	Lab	LCS, rec	6/13/2018	Pesticide	2,4,5-T	n/a	=	103	%	EPA 515.3	-88	-88	70	130	
2017/18-5	Lab	method blank	6/28/2018	Pesticide	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2			
2017/18-5	Lab	LCS	6/28/2018	Pesticide	2,4,5-T	n/a	=	4.37	µg/L	EPA 515.3	0.07	0.2			
2017/18-5	Lab	LCS, rec	6/28/2018	Pesticide	2,4,5-T	n/a	=	109	%	EPA 515.3	-88	-88	70	130	
2017/18-5	ME-SCR	matrix spike	6/13/2018	Pesticide	2,4,5-T	n/a	=	3.83	µg/L	EPA 515.3	0.07	0.2			
2017/18-5	ME-SCR	matrix spike, rec	6/13/2018	Pesticide	2,4,5-T	n/a	=	96	%	EPA 515.3	-88	-88	70	130	
2017/18-5	ME-SCR	matrix spike dup	6/13/2018	Pesticide	2,4,5-T	n/a	=	3.83	µg/L	EPA 515.3	0.07	0.2			
2017/18-5	ME-SCR	matrix spike dup, rec	6/13/2018	Pesticide	2,4,5-T	n/a	=	96	%	EPA 515.3	-88	-88	70	130	
2017/18-5	ME-SCR	matrix spike, RPD	6/13/2018	Pesticide	2,4,5-T	n/a	=	0.1	%	EPA 515.3	-88	-88	0	30	
2017/18-5	ME-VR2	matrix spike	6/28/2018	Pesticide	2,4,5-T	n/a	=	4.04	µg/L	EPA 515.3	0.07	0.2			
2017/18-5	ME-VR2	matrix spike, rec	6/28/2018	Pesticide	2,4,5-T	n/a	=	101	%	EPA 515.3	-88	-88	70	130	
2017/18-5	ME-VR2	matrix spike dup	6/28/2018	Pesticide	2,4,5-T	n/a	=	4	µg/L	EPA 515.3	0.07	0.2			
2017/18-5	ME-VR2	matrix spike dup, rec	6/28/2018	Pesticide	2,4,5-T	n/a	=	100	%	EPA 515.3	-88	-88	70	130	
2017/18-5	ME-VR2	matrix spike, RPD	6/28/2018	Pesticide	2,4,5-T	n/a	=	0.8	%	EPA 515.3	-88	-88	0	30	
2017/18-5	MO-OJA	matrix spike	6/28/2018	Pesticide	2,4,5-T	n/a	=	3.96	µg/L	EPA 515.3	0.07	0.2			
2017/18-5	MO-OJA	matrix spike, rec	6/28/2018	Pesticide	2,4,5-T	n/a	=	99	%	EPA 515.3	-88	-88	70	130	
2017/18-5	MO-OJA	matrix spike dup	6/28/2018	Pesticide	2,4,5-T	n/a	=	3.94	µg/L	EPA 515.3	0.07	0.2			
2017/18-5	MO-OJA	matrix spike dup, rec	6/28/2018	Pesticide	2,4,5-T	n/a	=	99	%	EPA 515.3	-88	-88	70	130	
2017/18-5	MO-OJA	matrix spike, RPD	6/28/2018	Pesticide	2,4,5-T	n/a	=	0.3	%	EPA 515.3	-88	-88	0	30	
2017/18-5	000NONPJ	matrix spike	6/12/2018	Pesticide	2,4,5-TP	n/a	=	4.29	µg/L	EPA 515.3	0.09	0.2			
2017/18-5	000NONPJ	matrix spike, rec	6/12/2018	Pesticide	2,4,5-TP	n/a	=	107	%	EPA 515.3	-88	-88	70	130	
2017/18-5	000NONPJ	matrix spike dup	6/12/2018	Pesticide	2,4,5-TP	n/a	=	4.4	µg/L	EPA 515.3	0.09	0.2			
2017/18-5	000NONPJ	matrix spike dup, rec	6/12/2018	Pesticide	2,4,5-TP	n/a	=	110	%	EPA 515.3	-88	-88	70	130	
2017/18-5	000NONPJ	matrix spike, RPD	6/12/2018	Pesticide	2,4,5-TP	n/a	=	3	%	EPA 515.3	-88	-88	0	30	
2017/18-5	Lab	method blank	6/12/2018	Pesticide	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2			
2017/18-5	Lab	LCS	6/12/2018	Pesticide	2,4,5-TP	n/a	=	3.98	µg/L	EPA 515.3	0.09	0.2			
2017/18-5	Lab	LCS, rec	6/12/2018	Pesticide	2,4,5-TP	n/a	=	99	%	EPA 515.3	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	method blank	6/13/2018	Pesticide	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2			
2017/18-5	Lab	LCS	6/13/2018	Pesticide	2,4,5-TP	n/a	=	4.23	µg/L	EPA 515.3	0.09	0.2			
2017/18-5	Lab	LCS, rec	6/13/2018	Pesticide	2,4,5-TP	n/a	=	106	%	EPA 515.3	-88	-88	70	130	
2017/18-5	Lab	method blank	6/28/2018	Pesticide	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2			
2017/18-5	Lab	LCS	6/28/2018	Pesticide	2,4,5-TP	n/a	=	4.55	µg/L	EPA 515.3	0.09	0.2			
2017/18-5	Lab	LCS, rec	6/28/2018	Pesticide	2,4,5-TP	n/a	=	114	%	EPA 515.3	-88	-88	70	130	
2017/18-5	ME-SCR	matrix spike	6/13/2018	Pesticide	2,4,5-TP	n/a	=	3.99	µg/L	EPA 515.3	0.09	0.2			
2017/18-5	ME-SCR	matrix spike, rec	6/13/2018	Pesticide	2,4,5-TP	n/a	=	100	%	EPA 515.3	-88	-88	70	130	
2017/18-5	ME-SCR	matrix spike dup	6/13/2018	Pesticide	2,4,5-TP	n/a	=	4.02	µg/L	EPA 515.3	0.09	0.2			
2017/18-5	ME-SCR	matrix spike dup, rec	6/13/2018	Pesticide	2,4,5-TP	n/a	=	101	%	EPA 515.3	-88	-88	70	130	
2017/18-5	ME-SCR	matrix spike, RPD	6/13/2018	Pesticide	2,4,5-TP	n/a	=	0.7	%	EPA 515.3	-88	-88	0	30	
2017/18-5	ME-VR2	matrix spike	6/28/2018	Pesticide	2,4,5-TP	n/a	=	4.12	µg/L	EPA 515.3	0.09	0.2			
2017/18-5	ME-VR2	matrix spike, rec	6/28/2018	Pesticide	2,4,5-TP	n/a	=	103	%	EPA 515.3	-88	-88	70	130	
2017/18-5	ME-VR2	matrix spike dup	6/28/2018	Pesticide	2,4,5-TP	n/a	=	4.02	µg/L	EPA 515.3	0.09	0.2			
2017/18-5	ME-VR2	matrix spike dup, rec	6/28/2018	Pesticide	2,4,5-TP	n/a	=	100	%	EPA 515.3	-88	-88	70	130	
2017/18-5	ME-VR2	matrix spike, RPD	6/28/2018	Pesticide	2,4,5-TP	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2017/18-5	MO-OJA	matrix spike	6/28/2018	Pesticide	2,4,5-TP	n/a	=	3.78	µg/L	EPA 515.3	0.09	0.2			
2017/18-5	MO-OJA	matrix spike, rec	6/28/2018	Pesticide	2,4,5-TP	n/a	=	94	%	EPA 515.3	-88	-88	70	130	
2017/18-5	MO-OJA	matrix spike dup	6/28/2018	Pesticide	2,4,5-TP	n/a	=	3.84	µg/L	EPA 515.3	0.09	0.2			
2017/18-5	MO-OJA	matrix spike dup, rec	6/28/2018	Pesticide	2,4,5-TP	n/a	=	96	%	EPA 515.3	-88	-88	70	130	
2017/18-5	MO-OJA	matrix spike, RPD	6/28/2018	Pesticide	2,4,5-TP	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2017/18-5	000NONPJ	matrix spike	6/12/2018	Pesticide	2,4-D	n/a	=	9.45	µg/L	EPA 515.3	0.07	0.4			
2017/18-5	000NONPJ	matrix spike, rec	6/12/2018	Pesticide	2,4-D	n/a	=	118	%	EPA 515.3	-88	-88	70	130	
2017/18-5	000NONPJ	matrix spike dup	6/12/2018	Pesticide	2,4-D	n/a	=	10.4	µg/L	EPA 515.3	0.07	0.4			
2017/18-5	000NONPJ	matrix spike dup, rec	6/12/2018	Pesticide	2,4-D	n/a	=	129	%	EPA 515.3	-88	-88	70	130	
2017/18-5	000NONPJ	matrix spike, RPD	6/12/2018	Pesticide	2,4-D	n/a	=	9	%	EPA 515.3	-88	-88	0	30	
2017/18-5	Lab	method blank	6/12/2018	Pesticide	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4			
2017/18-5	Lab	LCS	6/12/2018	Pesticide	2,4-D	n/a	=	8.01	µg/L	EPA 515.3	0.07	0.4			
2017/18-5	Lab	LCS, rec	6/12/2018	Pesticide	2,4-D	n/a	=	100	%	EPA 515.3	-88	-88	70	130	
2017/18-5	Lab	method blank	6/13/2018	Pesticide	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4			
2017/18-5	Lab	LCS	6/13/2018	Pesticide	2,4-D	n/a	=	8.04	µg/L	EPA 515.3	0.07	0.4			
2017/18-5	Lab	LCS, rec	6/13/2018	Pesticide	2,4-D	n/a	=	101	%	EPA 515.3	-88	-88	70	130	
2017/18-5	Lab	method blank	6/28/2018	Pesticide	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4			
2017/18-5	Lab	LCS	6/28/2018	Pesticide	2,4-D	n/a	=	8.43	µg/L	EPA 515.3	0.07	0.4			
2017/18-5	Lab	LCS, rec	6/28/2018	Pesticide	2,4-D	n/a	=	105	%	EPA 515.3	-88	-88	70	130	
2017/18-5	ME-SCR	matrix spike	6/13/2018	Pesticide	2,4-D	n/a	=	7.8	µg/L	EPA 515.3	0.07	0.4			
2017/18-5	ME-SCR	matrix spike, rec	6/13/2018	Pesticide	2,4-D	n/a	=	97	%	EPA 515.3	-88	-88	70	130	
2017/18-5	ME-SCR	matrix spike dup	6/13/2018	Pesticide	2,4-D	n/a	=	7.85	µg/L	EPA 515.3	0.07	0.4			
2017/18-5	ME-SCR	matrix spike dup, rec	6/13/2018	Pesticide	2,4-D	n/a	=	98	%	EPA 515.3	-88	-88	70	130	
2017/18-5	ME-SCR	matrix spike, RPD	6/13/2018	Pesticide	2,4-D	n/a	=	0.7	%	EPA 515.3	-88	-88	0	30	
2017/18-5	ME-VR2	matrix spike	6/28/2018	Pesticide	2,4-D	n/a	=	7.76	µg/L	EPA 515.3	0.07	0.4			
2017/18-5	ME-VR2	matrix spike, rec	6/28/2018	Pesticide	2,4-D	n/a	=	97	%	EPA 515.3	-88	-88	70	130	
2017/18-5	ME-VR2	matrix spike dup	6/28/2018	Pesticide	2,4-D	n/a	=	7.71	µg/L	EPA 515.3	0.07	0.4			
2017/18-5	ME-VR2	matrix spike dup, rec	6/28/2018	Pesticide	2,4-D	n/a	=	96	%	EPA 515.3	-88	-88	70	130	
2017/18-5	ME-VR2	matrix spike, RPD	6/28/2018	Pesticide	2,4-D	n/a	=	0.6	%	EPA 515.3	-88	-88	0	30	
2017/18-5	MO-OJA	matrix spike	6/28/2018	Pesticide	2,4-D	n/a	=	7.48	µg/L	EPA 515.3	0.07	0.4			
2017/18-5	MO-OJA	matrix spike, rec	6/28/2018	Pesticide	2,4-D	n/a	=	93	%	EPA 515.3	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	MO-OJA	matrix spike dup	6/28/2018	Pesticide	2,4-D	n/a	=	7.57	µg/L	EPA 515.3	0.07	0.4			
2017/18-5	MO-OJA	matrix spike dup, rec	6/28/2018	Pesticide	2,4-D	n/a	=	95	%	EPA 515.3	-88	-88	70	130	
2017/18-5	MO-OJA	matrix spike, RPD	6/28/2018	Pesticide	2,4-D	n/a	=	1	%	EPA 515.3	-88	-88	0	30	
2017/18-5	000NONPJ	matrix spike	6/12/2018	Pesticide	2,4-DB	n/a	=	20.5	µg/L	EPA 515.3	0.07	2			
2017/18-5	000NONPJ	matrix spike, rec	6/12/2018	Pesticide	2,4-DB	n/a	=	128	%	EPA 515.3	-88	-88	70	130	
2017/18-5	000NONPJ	matrix spike dup	6/12/2018	Pesticide	2,4-DB	n/a	=	19.8	µg/L	EPA 515.3	0.07	2			
2017/18-5	000NONPJ	matrix spike dup, rec	6/12/2018	Pesticide	2,4-DB	n/a	=	124	%	EPA 515.3	-88	-88	70	130	
2017/18-5	000NONPJ	matrix spike, RPD	6/12/2018	Pesticide	2,4-DB	n/a	=	3	%	EPA 515.3	-88	-88	0	30	
2017/18-5	Lab	method blank	6/12/2018	Pesticide	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2			
2017/18-5	Lab	LCS	6/12/2018	Pesticide	2,4-DB	n/a	=	18	µg/L	EPA 515.3	0.07	2			
2017/18-5	Lab	LCS, rec	6/12/2018	Pesticide	2,4-DB	n/a	=	112	%	EPA 515.3	-88	-88	70	130	
2017/18-5	Lab	method blank	6/13/2018	Pesticide	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2			
2017/18-5	Lab	LCS	6/13/2018	Pesticide	2,4-DB	n/a	=	16.4	µg/L	EPA 515.3	0.07	2			
2017/18-5	Lab	LCS, rec	6/13/2018	Pesticide	2,4-DB	n/a	=	103	%	EPA 515.3	-88	-88	70	130	
2017/18-5	Lab	method blank	6/28/2018	Pesticide	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2			
2017/18-5	Lab	LCS	6/28/2018	Pesticide	2,4-DB	n/a	=	16.7	µg/L	EPA 515.3	0.07	2			
2017/18-5	Lab	LCS, rec	6/28/2018	Pesticide	2,4-DB	n/a	=	104	%	EPA 515.3	-88	-88	70	130	
2017/18-5	ME-SCR	matrix spike	6/13/2018	Pesticide	2,4-DB	n/a	=	15.5	µg/L	EPA 515.3	0.07	2			
2017/18-5	ME-SCR	matrix spike, rec	6/13/2018	Pesticide	2,4-DB	n/a	=	97	%	EPA 515.3	-88	-88	70	130	
2017/18-5	ME-SCR	matrix spike dup	6/13/2018	Pesticide	2,4-DB	n/a	=	17.4	µg/L	EPA 515.3	0.07	2			
2017/18-5	ME-SCR	matrix spike dup, rec	6/13/2018	Pesticide	2,4-DB	n/a	=	108	%	EPA 515.3	-88	-88	70	130	
2017/18-5	ME-SCR	matrix spike, RPD	6/13/2018	Pesticide	2,4-DB	n/a	=	11	%	EPA 515.3	-88	-88	0	30	
2017/18-5	ME-VR2	matrix spike	6/28/2018	Pesticide	2,4-DB	n/a	=	16.2	µg/L	EPA 515.3	0.07	2			
2017/18-5	ME-VR2	matrix spike, rec	6/28/2018	Pesticide	2,4-DB	n/a	=	101	%	EPA 515.3	-88	-88	70	130	
2017/18-5	ME-VR2	matrix spike dup	6/28/2018	Pesticide	2,4-DB	n/a	=	17.2	µg/L	EPA 515.3	0.07	2			
2017/18-5	ME-VR2	matrix spike dup, rec	6/28/2018	Pesticide	2,4-DB	n/a	=	107	%	EPA 515.3	-88	-88	70	130	
2017/18-5	ME-VR2	matrix spike, RPD	6/28/2018	Pesticide	2,4-DB	n/a	=	6	%	EPA 515.3	-88	-88	0	30	
2017/18-5	MO-OJA	matrix spike	6/28/2018	Pesticide	2,4-DB	n/a	=	17.5	µg/L	EPA 515.3	0.07	2			
2017/18-5	MO-OJA	matrix spike, rec	6/28/2018	Pesticide	2,4-DB	n/a	=	109	%	EPA 515.3	-88	-88	70	130	
2017/18-5	MO-OJA	matrix spike dup	6/28/2018	Pesticide	2,4-DB	n/a	=	16.7	µg/L	EPA 515.3	0.07	2			
2017/18-5	MO-OJA	matrix spike dup, rec	6/28/2018	Pesticide	2,4-DB	n/a	=	104	%	EPA 515.3	-88	-88	70	130	
2017/18-5	MO-OJA	matrix spike, RPD	6/28/2018	Pesticide	2,4-DB	n/a	=	5	%	EPA 515.3	-88	-88	0	30	
2017/18-5	000NONPJ	matrix spike	6/12/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	10	µg/L	EPA 515.3	0.09	1			
2017/18-5	000NONPJ	matrix spike, rec	6/12/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	125	%	EPA 515.3	-88	-88	70	130	
2017/18-5	000NONPJ	matrix spike dup	6/12/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	10.7	µg/L	EPA 515.3	0.09	1			GB
2017/18-5	000NONPJ	matrix spike dup, rec	6/12/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	133	%	EPA 515.3	-88	-88	70	130	GB
2017/18-5	000NONPJ	matrix spike, RPD	6/12/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	6	%	EPA 515.3	-88	-88	0	30	
2017/18-5	Lab	method blank	6/12/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1			
2017/18-5	Lab	LCS	6/12/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	8.42	µg/L	EPA 515.3	0.09	1			
2017/18-5	Lab	LCS, rec	6/12/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	105	%	EPA 515.3	-88	-88	70	130	
2017/18-5	Lab	method blank	6/13/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1			
2017/18-5	Lab	LCS	6/13/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	7.78	µg/L	EPA 515.3	0.09	1			
2017/18-5	Lab	LCS, rec	6/13/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	97	%	EPA 515.3	-88	-88	70	130	
2017/18-5	Lab	method blank	6/28/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1			
2017/18-5	Lab	LCS	6/28/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	8.66	µg/L	EPA 515.3	0.09	1			
2017/18-5	Lab	LCS, rec	6/28/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	108	%	EPA 515.3	-88	-88	70	130	
2017/18-5	ME-SCR	matrix spike	6/13/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	7.66	µg/L	EPA 515.3	0.09	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	ME-SCR	matrix spike, rec	6/13/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	96	%	EPA 515.3	-88	-88	70	130	
2017/18-5	ME-SCR	matrix spike dup	6/13/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	7.69	µg/L	EPA 515.3	0.09	1			
2017/18-5	ME-SCR	matrix spike dup, rec	6/13/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	96	%	EPA 515.3	-88	-88	70	130	
2017/18-5	ME-SCR	matrix spike, RPD	6/13/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	0.5	%	EPA 515.3	-88	-88	0	30	
2017/18-5	ME-VR2	matrix spike	6/28/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	8.54	µg/L	EPA 515.3	0.09	1			
2017/18-5	ME-VR2	matrix spike, rec	6/28/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	107	%	EPA 515.3	-88	-88	70	130	
2017/18-5	ME-VR2	matrix spike dup	6/28/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	8.76	µg/L	EPA 515.3	0.09	1			
2017/18-5	ME-VR2	matrix spike dup, rec	6/28/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	110	%	EPA 515.3	-88	-88	70	130	
2017/18-5	ME-VR2	matrix spike, RPD	6/28/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	3	%	EPA 515.3	-88	-88	0	30	
2017/18-5	MO-OJA	matrix spike	6/28/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	9.07	µg/L	EPA 515.3	0.09	1			
2017/18-5	MO-OJA	matrix spike, rec	6/28/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	113	%	EPA 515.3	-88	-88	70	130	
2017/18-5	MO-OJA	matrix spike dup	6/28/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	9.52	µg/L	EPA 515.3	0.09	1			
2017/18-5	MO-OJA	matrix spike dup, rec	6/28/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	119	%	EPA 515.3	-88	-88	70	130	
2017/18-5	MO-OJA	matrix spike, RPD	6/28/2018	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	5	%	EPA 515.3	-88	-88	0	30	
2017/18-5	000NONPJ	matrix spike	6/11/2018	Pesticide	4,4'-DDD	n/a	=	0.0705	µg/L	EPA 608	0.003	0.05			
2017/18-5	000NONPJ	matrix spike, rec	6/11/2018	Pesticide	4,4'-DDD	n/a	=	70	%	EPA 608	-88	-88	23	124	
2017/18-5	000NONPJ	matrix spike dup	6/11/2018	Pesticide	4,4'-DDD	n/a	=	0.0783	µg/L	EPA 608	0.003	0.05			
2017/18-5	000NONPJ	matrix spike dup, rec	6/11/2018	Pesticide	4,4'-DDD	n/a	=	78	%	EPA 608	-88	-88	23	124	
2017/18-5	000NONPJ	matrix spike, RPD	6/11/2018	Pesticide	4,4'-DDD	n/a	=	10	%	EPA 608	-88	-88	0	30	
2017/18-5	000NONPJ	matrix spike	6/12/2018	Pesticide	4,4'-DDD	n/a	=	0.0725	µg/L	EPA 608	0.003	0.05			
2017/18-5	000NONPJ	matrix spike, rec	6/12/2018	Pesticide	4,4'-DDD	n/a	=	73	%	EPA 608	-88	-88	23	124	
2017/18-5	000NONPJ	matrix spike dup	6/12/2018	Pesticide	4,4'-DDD	n/a	=	0.0767	µg/L	EPA 608	0.003	0.05			
2017/18-5	000NONPJ	matrix spike dup, rec	6/12/2018	Pesticide	4,4'-DDD	n/a	=	77	%	EPA 608	-88	-88	23	124	
2017/18-5	000NONPJ	matrix spike, RPD	6/12/2018	Pesticide	4,4'-DDD	n/a	=	6	%	EPA 608	-88	-88	0	30	
2017/18-5	Lab	method blank	6/11/2018	Pesticide	4,4'-DDD	n/a	<	0.003	µg/L	EPA 608	0.003	0.05			
2017/18-5	Lab	LCS	6/11/2018	Pesticide	4,4'-DDD	n/a	=	0.0856	µg/L	EPA 608	0.003	0.05			
2017/18-5	Lab	LCS, rec	6/11/2018	Pesticide	4,4'-DDD	n/a	=	86	%	EPA 608	-88	-88	42	133	
2017/18-5	Lab	method blank	6/12/2018	Pesticide	4,4'-DDD	n/a	<	0.003	µg/L	EPA 608	0.003	0.05			
2017/18-5	Lab	LCS	6/12/2018	Pesticide	4,4'-DDD	n/a	=	0.0836	µg/L	EPA 608	0.003	0.05			
2017/18-5	Lab	LCS, rec	6/12/2018	Pesticide	4,4'-DDD	n/a	=	84	%	EPA 608	-88	-88	42	133	
2017/18-5	Lab	method blank	6/19/2018	Pesticide	4,4'-DDD	n/a	<	0.003	µg/L	EPA 608	0.003	0.05			
2017/18-5	Lab	LCS	6/19/2018	Pesticide	4,4'-DDD	n/a	=	0.0963	µg/L	EPA 608	0.003	0.05			
2017/18-5	Lab	LCS, rec	6/19/2018	Pesticide	4,4'-DDD	n/a	=	96	%	EPA 608	-88	-88	42	133	
2017/18-5	Lab	method blank	7/3/2018	Pesticide	4,4'-DDD	n/a	<	0.003	µg/L	EPA 608	0.003	0.05			
2017/18-5	Lab	LCS	7/3/2018	Pesticide	4,4'-DDD	n/a	=	0.0771	µg/L	EPA 608	0.003	0.05			
2017/18-5	Lab	LCS, rec	7/3/2018	Pesticide	4,4'-DDD	n/a	=	77	%	EPA 608	-88	-88	42	133	
2017/18-5	ME-VR2	matrix spike	7/3/2018	Pesticide	4,4'-DDD	n/a	=	0.0832	µg/L	EPA 608	0.003	0.05			
2017/18-5	ME-VR2	matrix spike, rec	7/3/2018	Pesticide	4,4'-DDD	n/a	=	83	%	EPA 608	-88	-88	23	124	
2017/18-5	ME-VR2	matrix spike dup	7/3/2018	Pesticide	4,4'-DDD	n/a	=	0.078	µg/L	EPA 608	0.003	0.05			
2017/18-5	ME-VR2	matrix spike dup, rec	7/3/2018	Pesticide	4,4'-DDD	n/a	=	78	%	EPA 608	-88	-88	23	124	
2017/18-5	ME-VR2	matrix spike, RPD	7/3/2018	Pesticide	4,4'-DDD	n/a	=	6	%	EPA 608	-88	-88	0	30	
2017/18-5	000NONPJ	matrix spike	6/11/2018	Pesticide	4,4'-DDE	n/a	=	0.0671	µg/L	EPA 608	0.0025	0.05			
2017/18-5	000NONPJ	matrix spike, rec	6/11/2018	Pesticide	4,4'-DDE	n/a	=	67	%	EPA 608	-88	-88	30	114	
2017/18-5	000NONPJ	matrix spike dup	6/11/2018	Pesticide	4,4'-DDE	n/a	=	0.0733	µg/L	EPA 608	0.0025	0.05			
2017/18-5	000NONPJ	matrix spike dup, rec	6/11/2018	Pesticide	4,4'-DDE	n/a	=	73	%	EPA 608	-88	-88	30	114	
2017/18-5	000NONPJ	matrix spike, RPD	6/11/2018	Pesticide	4,4'-DDE	n/a	=	9	%	EPA 608	-88	-88	0	30	
2017/18-5	000NONPJ	matrix spike	6/12/2018	Pesticide	4,4'-DDE	n/a	=	0.309	µg/L	EPA 608	0.0025	0.05			GB

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	000NONPJ	matrix spike, rec	6/12/2018	Pesticide	4,4'-DDE	n/a	=	309	%	EPA 608	-88	-88	30	114	GB
2017/18-5	000NONPJ	matrix spike dup	6/12/2018	Pesticide	4,4'-DDE	n/a	=	0.292	µg/L	EPA 608	0.0025	0.05			GB
2017/18-5	000NONPJ	matrix spike dup, rec	6/12/2018	Pesticide	4,4'-DDE	n/a	=	292	%	EPA 608	-88	-88	30	114	GB
2017/18-5	000NONPJ	matrix spike, RPD	6/12/2018	Pesticide	4,4'-DDE	n/a	=	5	%	EPA 608	-88	-88	0	30	
2017/18-5	Lab	method blank	6/11/2018	Pesticide	4,4'-DDE	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.05			
2017/18-5	Lab	LCS	6/11/2018	Pesticide	4,4'-DDE	n/a	=	0.0828	µg/L	EPA 608	0.0025	0.05			
2017/18-5	Lab	LCS, rec	6/11/2018	Pesticide	4,4'-DDE	n/a	=	83	%	EPA 608	-88	-88	33	126	
2017/18-5	Lab	method blank	6/12/2018	Pesticide	4,4'-DDE	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.05			
2017/18-5	Lab	LCS	6/12/2018	Pesticide	4,4'-DDE	n/a	=	0.0845	µg/L	EPA 608	0.0025	0.05			
2017/18-5	Lab	LCS, rec	6/12/2018	Pesticide	4,4'-DDE	n/a	=	85	%	EPA 608	-88	-88	33	126	
2017/18-5	Lab	method blank	6/19/2018	Pesticide	4,4'-DDE	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.05			
2017/18-5	Lab	LCS	6/19/2018	Pesticide	4,4'-DDE	n/a	=	0.0939	µg/L	EPA 608	0.0025	0.05			
2017/18-5	Lab	LCS, rec	6/19/2018	Pesticide	4,4'-DDE	n/a	=	94	%	EPA 608	-88	-88	33	126	
2017/18-5	Lab	method blank	7/3/2018	Pesticide	4,4'-DDE	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.05			
2017/18-5	Lab	LCS	7/3/2018	Pesticide	4,4'-DDE	n/a	=	0.082	µg/L	EPA 608	0.0025	0.05			
2017/18-5	Lab	LCS, rec	7/3/2018	Pesticide	4,4'-DDE	n/a	=	82	%	EPA 608	-88	-88	33	126	
2017/18-5	ME-VR2	matrix spike	7/3/2018	Pesticide	4,4'-DDE	n/a	=	0.0806	µg/L	EPA 608	0.0025	0.05			
2017/18-5	ME-VR2	matrix spike, rec	7/3/2018	Pesticide	4,4'-DDE	n/a	=	81	%	EPA 608	-88	-88	30	114	
2017/18-5	ME-VR2	matrix spike dup	7/3/2018	Pesticide	4,4'-DDE	n/a	=	0.0785	µg/L	EPA 608	0.0025	0.05			
2017/18-5	ME-VR2	matrix spike dup, rec	7/3/2018	Pesticide	4,4'-DDE	n/a	=	78	%	EPA 608	-88	-88	30	114	
2017/18-5	ME-VR2	matrix spike, RPD	7/3/2018	Pesticide	4,4'-DDE	n/a	=	3	%	EPA 608	-88	-88	0	30	
2017/18-5	000NONPJ	matrix spike	6/11/2018	Pesticide	4,4'-DDT	n/a	=	0.0783	µg/L	EPA 608	0.0031	0.01			
2017/18-5	000NONPJ	matrix spike, rec	6/11/2018	Pesticide	4,4'-DDT	n/a	=	78	%	EPA 608	-88	-88	11	151	
2017/18-5	000NONPJ	matrix spike dup	6/11/2018	Pesticide	4,4'-DDT	n/a	=	0.0841	µg/L	EPA 608	0.0031	0.01			
2017/18-5	000NONPJ	matrix spike dup, rec	6/11/2018	Pesticide	4,4'-DDT	n/a	=	84	%	EPA 608	-88	-88	11	151	
2017/18-5	000NONPJ	matrix spike, RPD	6/11/2018	Pesticide	4,4'-DDT	n/a	=	7	%	EPA 608	-88	-88	0	30	
2017/18-5	000NONPJ	matrix spike	6/12/2018	Pesticide	4,4'-DDT	n/a	=	0.0416	µg/L	EPA 608	0.0031	0.01			
2017/18-5	000NONPJ	matrix spike, rec	6/12/2018	Pesticide	4,4'-DDT	n/a	=	42	%	EPA 608	-88	-88	11	151	
2017/18-5	000NONPJ	matrix spike dup	6/12/2018	Pesticide	4,4'-DDT	n/a	=	0.0401	µg/L	EPA 608	0.0031	0.01			
2017/18-5	000NONPJ	matrix spike dup, rec	6/12/2018	Pesticide	4,4'-DDT	n/a	=	40	%	EPA 608	-88	-88	11	151	
2017/18-5	000NONPJ	matrix spike, RPD	6/12/2018	Pesticide	4,4'-DDT	n/a	=	4	%	EPA 608	-88	-88	0	30	
2017/18-5	Lab	method blank	6/11/2018	Pesticide	4,4'-DDT	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.01			
2017/18-5	Lab	LCS	6/11/2018	Pesticide	4,4'-DDT	n/a	=	0.0916	µg/L	EPA 608	0.0031	0.01			
2017/18-5	Lab	LCS, rec	6/11/2018	Pesticide	4,4'-DDT	n/a	=	92	%	EPA 608	-88	-88	35	147	
2017/18-5	Lab	method blank	6/12/2018	Pesticide	4,4'-DDT	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.01			
2017/18-5	Lab	LCS	6/12/2018	Pesticide	4,4'-DDT	n/a	=	0.0883	µg/L	EPA 608	0.0031	0.01			
2017/18-5	Lab	LCS, rec	6/12/2018	Pesticide	4,4'-DDT	n/a	=	88	%	EPA 608	-88	-88	35	147	
2017/18-5	Lab	method blank	6/19/2018	Pesticide	4,4'-DDT	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.01			
2017/18-5	Lab	LCS	6/19/2018	Pesticide	4,4'-DDT	n/a	=	0.0958	µg/L	EPA 608	0.0031	0.01			
2017/18-5	Lab	LCS, rec	6/19/2018	Pesticide	4,4'-DDT	n/a	=	96	%	EPA 608	-88	-88	35	147	
2017/18-5	Lab	method blank	7/3/2018	Pesticide	4,4'-DDT	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.01			
2017/18-5	Lab	LCS	7/3/2018	Pesticide	4,4'-DDT	n/a	=	0.0834	µg/L	EPA 608	0.0031	0.01			
2017/18-5	Lab	LCS, rec	7/3/2018	Pesticide	4,4'-DDT	n/a	=	83	%	EPA 608	-88	-88	35	147	
2017/18-5	ME-VR2	matrix spike	7/3/2018	Pesticide	4,4'-DDT	n/a	=	0.0907	µg/L	EPA 608	0.0031	0.01			
2017/18-5	ME-VR2	matrix spike, rec	7/3/2018	Pesticide	4,4'-DDT	n/a	=	91	%	EPA 608	-88	-88	11	151	
2017/18-5	ME-VR2	matrix spike dup	7/3/2018	Pesticide	4,4'-DDT	n/a	=	0.0858	µg/L	EPA 608	0.0031	0.01			
2017/18-5	ME-VR2	matrix spike dup, rec	7/3/2018	Pesticide	4,4'-DDT	n/a	=	86	%	EPA 608	-88	-88	11	151	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	ME-VR2	matrix spike, RPD	7/3/2018	Pesticide	4,4'-DDT	n/a	=	6	%	EPA 608	-88	-88	0	30	
2017/18-5	000NONPJ	matrix spike	6/12/2018	Pesticide	Acifluorfen	n/a	=	4.31	µg/L	EPA 515.3	0.06	0.4			
2017/18-5	000NONPJ	matrix spike, rec	6/12/2018	Pesticide	Acifluorfen	n/a	=	108	%	EPA 515.3	-88	-88	70	130	
2017/18-5	000NONPJ	matrix spike dup	6/12/2018	Pesticide	Acifluorfen	n/a	=	4.46	µg/L	EPA 515.3	0.06	0.4			
2017/18-5	000NONPJ	matrix spike dup, rec	6/12/2018	Pesticide	Acifluorfen	n/a	=	111	%	EPA 515.3	-88	-88	70	130	
2017/18-5	000NONPJ	matrix spike, RPD	6/12/2018	Pesticide	Acifluorfen	n/a	=	3	%	EPA 515.3	-88	-88	0	30	
2017/18-5	Lab	method blank	6/12/2018	Pesticide	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4			
2017/18-5	Lab	LCS	6/12/2018	Pesticide	Acifluorfen	n/a	=	4.21	µg/L	EPA 515.3	0.06	0.4			
2017/18-5	Lab	LCS, rec	6/12/2018	Pesticide	Acifluorfen	n/a	=	105	%	EPA 515.3	-88	-88	70	130	
2017/18-5	Lab	method blank	6/13/2018	Pesticide	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4			
2017/18-5	Lab	LCS	6/13/2018	Pesticide	Acifluorfen	n/a	=	4.34	µg/L	EPA 515.3	0.06	0.4			
2017/18-5	Lab	LCS, rec	6/13/2018	Pesticide	Acifluorfen	n/a	=	108	%	EPA 515.3	-88	-88	70	130	
2017/18-5	Lab	method blank	6/28/2018	Pesticide	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4			
2017/18-5	Lab	LCS	6/28/2018	Pesticide	Acifluorfen	n/a	=	4.32	µg/L	EPA 515.3	0.06	0.4			
2017/18-5	Lab	LCS, rec	6/28/2018	Pesticide	Acifluorfen	n/a	=	108	%	EPA 515.3	-88	-88	70	130	
2017/18-5	ME-SCR	matrix spike	6/13/2018	Pesticide	Acifluorfen	n/a	=	4.17	µg/L	EPA 515.3	0.06	0.4			
2017/18-5	ME-SCR	matrix spike, rec	6/13/2018	Pesticide	Acifluorfen	n/a	=	104	%	EPA 515.3	-88	-88	70	130	
2017/18-5	ME-SCR	matrix spike dup	6/13/2018	Pesticide	Acifluorfen	n/a	=	4.38	µg/L	EPA 515.3	0.06	0.4			
2017/18-5	ME-SCR	matrix spike dup, rec	6/13/2018	Pesticide	Acifluorfen	n/a	=	109	%	EPA 515.3	-88	-88	70	130	
2017/18-5	ME-SCR	matrix spike, RPD	6/13/2018	Pesticide	Acifluorfen	n/a	=	5	%	EPA 515.3	-88	-88	0	30	
2017/18-5	ME-VR2	matrix spike	6/28/2018	Pesticide	Acifluorfen	n/a	=	4.32	µg/L	EPA 515.3	0.06	0.4			
2017/18-5	ME-VR2	matrix spike, rec	6/28/2018	Pesticide	Acifluorfen	n/a	=	108	%	EPA 515.3	-88	-88	70	130	
2017/18-5	ME-VR2	matrix spike dup	6/28/2018	Pesticide	Acifluorfen	n/a	=	4.28	µg/L	EPA 515.3	0.06	0.4			
2017/18-5	ME-VR2	matrix spike dup, rec	6/28/2018	Pesticide	Acifluorfen	n/a	=	107	%	EPA 515.3	-88	-88	70	130	
2017/18-5	ME-VR2	matrix spike, RPD	6/28/2018	Pesticide	Acifluorfen	n/a	=	0.8	%	EPA 515.3	-88	-88	0	30	
2017/18-5	MO-OJA	matrix spike	6/28/2018	Pesticide	Acifluorfen	n/a	=	4.23	µg/L	EPA 515.3	0.06	0.4			
2017/18-5	MO-OJA	matrix spike, rec	6/28/2018	Pesticide	Acifluorfen	n/a	=	106	%	EPA 515.3	-88	-88	70	130	
2017/18-5	MO-OJA	matrix spike dup	6/28/2018	Pesticide	Acifluorfen	n/a	=	4.32	µg/L	EPA 515.3	0.06	0.4			
2017/18-5	MO-OJA	matrix spike dup, rec	6/28/2018	Pesticide	Acifluorfen	n/a	=	108	%	EPA 515.3	-88	-88	70	130	
2017/18-5	MO-OJA	matrix spike, RPD	6/28/2018	Pesticide	Acifluorfen	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2017/18-5	Lab	method blank	6/6/2018	Pesticide	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1			
2017/18-5	Lab	LCS	6/6/2018	Pesticide	Alachlor	n/a	=	5.24	µg/L	EPA 525.2	0.022	0.1			
2017/18-5	Lab	LCS, rec	6/6/2018	Pesticide	Alachlor	n/a	=	105	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS dup	6/6/2018	Pesticide	Alachlor	n/a	=	5.38	µg/L	EPA 525.2	0.022	0.1			
2017/18-5	Lab	LCS dup, rec	6/6/2018	Pesticide	Alachlor	n/a	=	108	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS, RPD	6/6/2018	Pesticide	Alachlor	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2017/18-5	Lab	method blank	6/14/2018	Pesticide	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1			
2017/18-5	Lab	LCS	6/14/2018	Pesticide	Alachlor	n/a	=	5.12	µg/L	EPA 525.2	0.022	0.1			
2017/18-5	Lab	LCS, rec	6/14/2018	Pesticide	Alachlor	n/a	=	102	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS dup	6/14/2018	Pesticide	Alachlor	n/a	=	5.04	µg/L	EPA 525.2	0.022	0.1			
2017/18-5	Lab	LCS dup, rec	6/14/2018	Pesticide	Alachlor	n/a	=	101	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS, RPD	6/14/2018	Pesticide	Alachlor	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2017/18-5	Lab	method blank	6/29/2018	Pesticide	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1			
2017/18-5	Lab	LCS	6/29/2018	Pesticide	Alachlor	n/a	=	4.86	µg/L	EPA 525.2	0.022	0.1			
2017/18-5	Lab	LCS, rec	6/29/2018	Pesticide	Alachlor	n/a	=	97	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS dup	6/29/2018	Pesticide	Alachlor	n/a	=	4.75	µg/L	EPA 525.2	0.022	0.1			
2017/18-5	Lab	LCS dup, rec	6/29/2018	Pesticide	Alachlor	n/a	=	95	%	EPA 525.2	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	LCS, RPD	6/29/2018	Pesticide	Alachlor	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2017/18-5	Lab	method blank	7/2/2018	Pesticide	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1			
2017/18-5	Lab	LCS	7/2/2018	Pesticide	Alachlor	n/a	=	4.75	µg/L	EPA 525.2	0.022	0.1			
2017/18-5	Lab	LCS, rec	7/2/2018	Pesticide	Alachlor	n/a	=	95	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS dup	7/2/2018	Pesticide	Alachlor	n/a	=	4.81	µg/L	EPA 525.2	0.022	0.1			
2017/18-5	Lab	LCS dup, rec	7/2/2018	Pesticide	Alachlor	n/a	=	96	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS, RPD	7/2/2018	Pesticide	Alachlor	n/a	=	1	%	EPA 525.2	-88	-88	0	30	
2017/18-5	000NONPJ	matrix spike	6/11/2018	Pesticide	Aldrin	n/a	=	0.0636	µg/L	EPA 608	0.0015	0.005			
2017/18-5	000NONPJ	matrix spike, rec	6/11/2018	Pesticide	Aldrin	n/a	=	64	%	EPA 608	-88	-88	18	110	
2017/18-5	000NONPJ	matrix spike dup	6/11/2018	Pesticide	Aldrin	n/a	=	0.0701	µg/L	EPA 608	0.0015	0.005			
2017/18-5	000NONPJ	matrix spike dup, rec	6/11/2018	Pesticide	Aldrin	n/a	=	70	%	EPA 608	-88	-88	18	110	
2017/18-5	000NONPJ	matrix spike, RPD	6/11/2018	Pesticide	Aldrin	n/a	=	10	%	EPA 608	-88	-88	0	30	
2017/18-5	000NONPJ	matrix spike	6/12/2018	Pesticide	Aldrin	n/a	=	0.0408	µg/L	EPA 608	0.0015	0.005			
2017/18-5	000NONPJ	matrix spike, rec	6/12/2018	Pesticide	Aldrin	n/a	=	41	%	EPA 608	-88	-88	18	110	
2017/18-5	000NONPJ	matrix spike dup	6/12/2018	Pesticide	Aldrin	n/a	=	0.0414	µg/L	EPA 608	0.0015	0.005			
2017/18-5	000NONPJ	matrix spike dup, rec	6/12/2018	Pesticide	Aldrin	n/a	=	41	%	EPA 608	-88	-88	18	110	
2017/18-5	000NONPJ	matrix spike, RPD	6/12/2018	Pesticide	Aldrin	n/a	=	1	%	EPA 608	-88	-88	0	30	
2017/18-5	Lab	method blank	6/11/2018	Pesticide	Aldrin	n/a	<	0.0015	µg/L	EPA 608	0.0015	0.005			
2017/18-5	Lab	LCS	6/11/2018	Pesticide	Aldrin	n/a	=	0.079	µg/L	EPA 608	0.0015	0.005			
2017/18-5	Lab	LCS, rec	6/11/2018	Pesticide	Aldrin	n/a	=	79	%	EPA 608	-88	-88	18	117	
2017/18-5	Lab	method blank	6/12/2018	Pesticide	Aldrin	n/a	<	0.0015	µg/L	EPA 608	0.0015	0.005			
2017/18-5	Lab	LCS	6/12/2018	Pesticide	Aldrin	n/a	=	0.0797	µg/L	EPA 608	0.0015	0.005			
2017/18-5	Lab	LCS, rec	6/12/2018	Pesticide	Aldrin	n/a	=	80	%	EPA 608	-88	-88	18	117	
2017/18-5	Lab	method blank	6/19/2018	Pesticide	Aldrin	n/a	<	0.0015	µg/L	EPA 608	0.0015	0.005			
2017/18-5	Lab	LCS	6/19/2018	Pesticide	Aldrin	n/a	=	0.0856	µg/L	EPA 608	0.0015	0.005			
2017/18-5	Lab	LCS, rec	6/19/2018	Pesticide	Aldrin	n/a	=	86	%	EPA 608	-88	-88	18	117	
2017/18-5	Lab	method blank	7/3/2018	Pesticide	Aldrin	n/a	<	0.0015	µg/L	EPA 608	0.0015	0.005			
2017/18-5	Lab	LCS	7/3/2018	Pesticide	Aldrin	n/a	=	0.0806	µg/L	EPA 608	0.0015	0.005			
2017/18-5	Lab	LCS, rec	7/3/2018	Pesticide	Aldrin	n/a	=	81	%	EPA 608	-88	-88	18	117	
2017/18-5	ME-VR2	matrix spike	7/3/2018	Pesticide	Aldrin	n/a	=	0.071	µg/L	EPA 608	0.0015	0.005			
2017/18-5	ME-VR2	matrix spike, rec	7/3/2018	Pesticide	Aldrin	n/a	=	71	%	EPA 608	-88	-88	18	110	
2017/18-5	ME-VR2	matrix spike dup	7/3/2018	Pesticide	Aldrin	n/a	=	0.0692	µg/L	EPA 608	0.0015	0.005			
2017/18-5	ME-VR2	matrix spike dup, rec	7/3/2018	Pesticide	Aldrin	n/a	=	69	%	EPA 608	-88	-88	18	110	
2017/18-5	ME-VR2	matrix spike, RPD	7/3/2018	Pesticide	Aldrin	n/a	=	3	%	EPA 608	-88	-88	0	30	
2017/18-5	000NONPJ	matrix spike	6/11/2018	Pesticide	alpha-BHC	n/a	=	0.0649	µg/L	EPA 608	0.0018	0.01			
2017/18-5	000NONPJ	matrix spike, rec	6/11/2018	Pesticide	alpha-BHC	n/a	=	65	%	EPA 608	-88	-88	43	114	
2017/18-5	000NONPJ	matrix spike dup	6/11/2018	Pesticide	alpha-BHC	n/a	=	0.0727	µg/L	EPA 608	0.0018	0.01			
2017/18-5	000NONPJ	matrix spike dup, rec	6/11/2018	Pesticide	alpha-BHC	n/a	=	73	%	EPA 608	-88	-88	43	114	
2017/18-5	000NONPJ	matrix spike, RPD	6/11/2018	Pesticide	alpha-BHC	n/a	=	11	%	EPA 608	-88	-88	0	30	
2017/18-5	000NONPJ	matrix spike	6/12/2018	Pesticide	alpha-BHC	n/a	=	0.0689	µg/L	EPA 608	0.0018	0.01			
2017/18-5	000NONPJ	matrix spike, rec	6/12/2018	Pesticide	alpha-BHC	n/a	=	69	%	EPA 608	-88	-88	43	114	
2017/18-5	000NONPJ	matrix spike dup	6/12/2018	Pesticide	alpha-BHC	n/a	=	0.0731	µg/L	EPA 608	0.0018	0.01			
2017/18-5	000NONPJ	matrix spike dup, rec	6/12/2018	Pesticide	alpha-BHC	n/a	=	73	%	EPA 608	-88	-88	43	114	
2017/18-5	000NONPJ	matrix spike, RPD	6/12/2018	Pesticide	alpha-BHC	n/a	=	6	%	EPA 608	-88	-88	0	30	
2017/18-5	Lab	method blank	6/11/2018	Pesticide	alpha-BHC	n/a	<	0.0018	µg/L	EPA 608	0.0018	0.01			
2017/18-5	Lab	LCS	6/11/2018	Pesticide	alpha-BHC	n/a	=	0.0845	µg/L	EPA 608	0.0018	0.01			
2017/18-5	Lab	LCS, rec	6/11/2018	Pesticide	alpha-BHC	n/a	=	85	%	EPA 608	-88	-88	47	119	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	method blank	6/12/2018	Pesticide	alpha-BHC	n/a	<	0.0018	µg/L	EPA 608	0.0018	0.01			
2017/18-5	Lab	LCS	6/12/2018	Pesticide	alpha-BHC	n/a	=	0.0831	µg/L	EPA 608	0.0018	0.01			
2017/18-5	Lab	LCS, rec	6/12/2018	Pesticide	alpha-BHC	n/a	=	83	%	EPA 608	-88	-88	47	119	
2017/18-5	Lab	method blank	6/19/2018	Pesticide	alpha-BHC	n/a	<	0.0018	µg/L	EPA 608	0.0018	0.01			
2017/18-5	Lab	LCS	6/19/2018	Pesticide	alpha-BHC	n/a	=	0.0923	µg/L	EPA 608	0.0018	0.01			
2017/18-5	Lab	LCS, rec	6/19/2018	Pesticide	alpha-BHC	n/a	=	92	%	EPA 608	-88	-88	47	119	
2017/18-5	Lab	method blank	7/3/2018	Pesticide	alpha-BHC	n/a	<	0.0018	µg/L	EPA 608	0.0018	0.01			
2017/18-5	Lab	LCS	7/3/2018	Pesticide	alpha-BHC	n/a	=	0.0907	µg/L	EPA 608	0.0018	0.01			
2017/18-5	Lab	LCS, rec	7/3/2018	Pesticide	alpha-BHC	n/a	=	91	%	EPA 608	-88	-88	47	119	
2017/18-5	ME-VR2	matrix spike	7/3/2018	Pesticide	alpha-BHC	n/a	=	0.0639	µg/L	EPA 608	0.0018	0.01			
2017/18-5	ME-VR2	matrix spike, rec	7/3/2018	Pesticide	alpha-BHC	n/a	=	64	%	EPA 608	-88	-88	43	114	
2017/18-5	ME-VR2	matrix spike dup	7/3/2018	Pesticide	alpha-BHC	n/a	=	0.062	µg/L	EPA 608	0.0018	0.01			
2017/18-5	ME-VR2	matrix spike dup, rec	7/3/2018	Pesticide	alpha-BHC	n/a	=	62	%	EPA 608	-88	-88	43	114	
2017/18-5	ME-VR2	matrix spike, RPD	7/3/2018	Pesticide	alpha-BHC	n/a	=	3	%	EPA 608	-88	-88	0	30	
2017/18-5	Lab	method blank	6/6/2018	Pesticide	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1			
2017/18-5	Lab	LCS	6/6/2018	Pesticide	Atrazine	n/a	=	5.44	µg/L	EPA 525.2	0.034	0.1			
2017/18-5	Lab	LCS, rec	6/6/2018	Pesticide	Atrazine	n/a	=	109	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS dup	6/6/2018	Pesticide	Atrazine	n/a	=	5.38	µg/L	EPA 525.2	0.034	0.1			
2017/18-5	Lab	LCS dup, rec	6/6/2018	Pesticide	Atrazine	n/a	=	108	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS, RPD	6/6/2018	Pesticide	Atrazine	n/a	=	1	%	EPA 525.2	-88	-88	0	30	
2017/18-5	Lab	method blank	6/14/2018	Pesticide	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1			
2017/18-5	Lab	LCS	6/14/2018	Pesticide	Atrazine	n/a	=	5.65	µg/L	EPA 525.2	0.034	0.1			
2017/18-5	Lab	LCS, rec	6/14/2018	Pesticide	Atrazine	n/a	=	113	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS dup	6/14/2018	Pesticide	Atrazine	n/a	=	5.8	µg/L	EPA 525.2	0.034	0.1			
2017/18-5	Lab	LCS dup, rec	6/14/2018	Pesticide	Atrazine	n/a	=	116	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS, RPD	6/14/2018	Pesticide	Atrazine	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2017/18-5	Lab	method blank	6/29/2018	Pesticide	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1			
2017/18-5	Lab	LCS	6/29/2018	Pesticide	Atrazine	n/a	=	5.83	µg/L	EPA 525.2	0.034	0.1			
2017/18-5	Lab	LCS, rec	6/29/2018	Pesticide	Atrazine	n/a	=	117	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS dup	6/29/2018	Pesticide	Atrazine	n/a	=	5.95	µg/L	EPA 525.2	0.034	0.1			
2017/18-5	Lab	LCS dup, rec	6/29/2018	Pesticide	Atrazine	n/a	=	119	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS, RPD	6/29/2018	Pesticide	Atrazine	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2017/18-5	Lab	method blank	7/2/2018	Pesticide	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1			
2017/18-5	Lab	LCS	7/2/2018	Pesticide	Atrazine	n/a	=	5.88	µg/L	EPA 525.2	0.034	0.1			
2017/18-5	Lab	LCS, rec	7/2/2018	Pesticide	Atrazine	n/a	=	118	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS dup	7/2/2018	Pesticide	Atrazine	n/a	=	5.87	µg/L	EPA 525.2	0.034	0.1			
2017/18-5	Lab	LCS dup, rec	7/2/2018	Pesticide	Atrazine	n/a	=	117	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS, RPD	7/2/2018	Pesticide	Atrazine	n/a	=	0.2	%	EPA 525.2	-88	-88	0	30	
2017/18-5	000NONPJ	matrix spike	7/3/2018	Pesticide	Azinphos methyl	n/a	=	0.0494	µg/L	EPA 525.2m	0.0055	0.01			
2017/18-5	000NONPJ	matrix spike, rec	7/3/2018	Pesticide	Azinphos methyl	n/a	=	99	%	EPA 525.2m	-88	-88	0.1	154	
2017/18-5	000NONPJ	matrix spike dup	7/3/2018	Pesticide	Azinphos methyl	n/a	=	0.0501	µg/L	EPA 525.2m	0.0055	0.01			
2017/18-5	000NONPJ	matrix spike dup, rec	7/3/2018	Pesticide	Azinphos methyl	n/a	=	100	%	EPA 525.2m	-88	-88	0.1	154	
2017/18-5	000NONPJ	matrix spike, RPD	7/3/2018	Pesticide	Azinphos methyl	n/a	=	1	%	EPA 525.2m	-88	-88	0	30	
2017/18-5	Lab	method blank	6/13/2018	Pesticide	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01			
2017/18-5	Lab	LCS	6/13/2018	Pesticide	Azinphos methyl	n/a	=	0.0446	µg/L	EPA 525.2m	0.0055	0.01			
2017/18-5	Lab	LCS, rec	6/13/2018	Pesticide	Azinphos methyl	n/a	=	89	%	EPA 525.2m	-88	-88	0.1	188	
2017/18-5	Lab	method blank	6/18/2018	Pesticide	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	LCS	6/18/2018	Pesticide	Azinphos methyl	n/a	=	0.0598	µg/L	EPA 525.2m	0.0055	0.01			
2017/18-5	Lab	LCS, rec	6/18/2018	Pesticide	Azinphos methyl	n/a	=	120	%	EPA 525.2m	-88	-88	0.1	188	
2017/18-5	Lab	LCS dup	6/18/2018	Pesticide	Azinphos methyl	n/a	=	0.055	µg/L	EPA 525.2m	0.0055	0.01			
2017/18-5	Lab	LCS dup, rec	6/18/2018	Pesticide	Azinphos methyl	n/a	=	110	%	EPA 525.2m	-88	-88	0.1	188	
2017/18-5	Lab	LCS, RPD	6/18/2018	Pesticide	Azinphos methyl	n/a	=	8	%	EPA 525.2m	-88	-88	0	30	
2017/18-5	Lab	method blank	7/3/2018	Pesticide	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01			
2017/18-5	Lab	LCS	7/3/2018	Pesticide	Azinphos methyl	n/a	=	0.0468	µg/L	EPA 525.2m	0.0055	0.01			
2017/18-5	Lab	LCS, rec	7/3/2018	Pesticide	Azinphos methyl	n/a	=	94	%	EPA 525.2m	-88	-88	0.1	188	
2017/18-5	ME-CC	matrix spike dup	6/13/2018	Pesticide	Azinphos methyl	n/a	=	0.0547	µg/L	EPA 525.2m	0.0055	0.01			
2017/18-5	ME-CC	matrix spike dup, rec	6/13/2018	Pesticide	Azinphos methyl	n/a	=	109	%	EPA 525.2m	-88	-88	0.1	154	
2017/18-5	ME-CC	matrix spike, RPD	6/13/2018	Pesticide	Azinphos methyl	n/a	=	16	%	EPA 525.2m	-88	-88	0	30	
2017/18-5	ME-CC	matrix spike	6/13/2018	Pesticide	Azinphos methyl	n/a	=	0.0642	µg/L	EPA 525.2m	0.0055	0.01			
2017/18-5	ME-CC	matrix spike, rec	6/13/2018	Pesticide	Azinphos methyl	n/a	=	128	%	EPA 525.2m	-88	-88	0.1	154	
2017/18-5	000NONPJ	matrix spike	6/12/2018	Pesticide	Bentazon	n/a	=	18.5	µg/L	EPA 515.3	0.11	2			
2017/18-5	000NONPJ	matrix spike, rec	6/12/2018	Pesticide	Bentazon	n/a	=	116	%	EPA 515.3	-88	-88	70	130	
2017/18-5	000NONPJ	matrix spike dup	6/12/2018	Pesticide	Bentazon	n/a	=	20.1	µg/L	EPA 515.3	0.11	2			
2017/18-5	000NONPJ	matrix spike dup, rec	6/12/2018	Pesticide	Bentazon	n/a	=	126	%	EPA 515.3	-88	-88	70	130	
2017/18-5	000NONPJ	matrix spike, RPD	6/12/2018	Pesticide	Bentazon	n/a	=	8	%	EPA 515.3	-88	-88	0	30	
2017/18-5	Lab	method blank	6/12/2018	Pesticide	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2			
2017/18-5	Lab	LCS	6/12/2018	Pesticide	Bentazon	n/a	=	15.1	µg/L	EPA 515.3	0.11	2			
2017/18-5	Lab	LCS, rec	6/12/2018	Pesticide	Bentazon	n/a	=	95	%	EPA 515.3	-88	-88	70	130	
2017/18-5	Lab	method blank	6/13/2018	Pesticide	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2			
2017/18-5	Lab	LCS	6/13/2018	Pesticide	Bentazon	n/a	=	14.6	µg/L	EPA 515.3	0.11	2			
2017/18-5	Lab	LCS, rec	6/13/2018	Pesticide	Bentazon	n/a	=	91	%	EPA 515.3	-88	-88	70	130	
2017/18-5	Lab	method blank	6/28/2018	Pesticide	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2			
2017/18-5	Lab	LCS	6/28/2018	Pesticide	Bentazon	n/a	=	15.4	µg/L	EPA 515.3	0.11	2			
2017/18-5	Lab	LCS, rec	6/28/2018	Pesticide	Bentazon	n/a	=	96	%	EPA 515.3	-88	-88	70	130	
2017/18-5	ME-SCR	matrix spike	6/13/2018	Pesticide	Bentazon	n/a	=	16.1	µg/L	EPA 515.3	0.11	2			
2017/18-5	ME-SCR	matrix spike, rec	6/13/2018	Pesticide	Bentazon	n/a	=	101	%	EPA 515.3	-88	-88	70	130	
2017/18-5	ME-SCR	matrix spike dup	6/13/2018	Pesticide	Bentazon	n/a	=	15.7	µg/L	EPA 515.3	0.11	2			
2017/18-5	ME-SCR	matrix spike dup, rec	6/13/2018	Pesticide	Bentazon	n/a	=	98	%	EPA 515.3	-88	-88	70	130	
2017/18-5	ME-SCR	matrix spike, RPD	6/13/2018	Pesticide	Bentazon	n/a	=	3	%	EPA 515.3	-88	-88	0	30	
2017/18-5	ME-VR2	matrix spike	6/28/2018	Pesticide	Bentazon	n/a	=	15.4	µg/L	EPA 515.3	0.11	2			
2017/18-5	ME-VR2	matrix spike, rec	6/28/2018	Pesticide	Bentazon	n/a	=	96	%	EPA 515.3	-88	-88	70	130	
2017/18-5	ME-VR2	matrix spike dup	6/28/2018	Pesticide	Bentazon	n/a	=	15.3	µg/L	EPA 515.3	0.11	2			
2017/18-5	ME-VR2	matrix spike dup, rec	6/28/2018	Pesticide	Bentazon	n/a	=	96	%	EPA 515.3	-88	-88	70	130	
2017/18-5	ME-VR2	matrix spike, RPD	6/28/2018	Pesticide	Bentazon	n/a	=	0.4	%	EPA 515.3	-88	-88	0	30	
2017/18-5	MO-OJA	matrix spike	6/28/2018	Pesticide	Bentazon	n/a	=	15.8	µg/L	EPA 515.3	0.11	2			
2017/18-5	MO-OJA	matrix spike, rec	6/28/2018	Pesticide	Bentazon	n/a	=	99	%	EPA 515.3	-88	-88	70	130	
2017/18-5	MO-OJA	matrix spike dup	6/28/2018	Pesticide	Bentazon	n/a	=	15.9	µg/L	EPA 515.3	0.11	2			
2017/18-5	MO-OJA	matrix spike dup, rec	6/28/2018	Pesticide	Bentazon	n/a	=	100	%	EPA 515.3	-88	-88	70	130	
2017/18-5	MO-OJA	matrix spike, RPD	6/28/2018	Pesticide	Bentazon	n/a	=	1	%	EPA 515.3	-88	-88	0	30	
2017/18-5	000NONPJ	matrix spike	6/11/2018	Pesticide	beta-BHC	n/a	=	0.077	µg/L	EPA 608	0.0031	0.005			
2017/18-5	000NONPJ	matrix spike, rec	6/11/2018	Pesticide	beta-BHC	n/a	=	77	%	EPA 608	-88	-88	24	135	
2017/18-5	000NONPJ	matrix spike dup	6/11/2018	Pesticide	beta-BHC	n/a	=	0.084	µg/L	EPA 608	0.0031	0.005			
2017/18-5	000NONPJ	matrix spike dup, rec	6/11/2018	Pesticide	beta-BHC	n/a	=	84	%	EPA 608	-88	-88	24	135	
2017/18-5	000NONPJ	matrix spike, RPD	6/11/2018	Pesticide	beta-BHC	n/a	=	9	%	EPA 608	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	000NONPJ	matrix spike	6/12/2018	Pesticide	beta-BHC	n/a	=	0.0835	µg/L	EPA 608	0.0031	0.005			
2017/18-5	000NONPJ	matrix spike, rec	6/12/2018	Pesticide	beta-BHC	n/a	=	84	%	EPA 608	-88	-88	24	135	
2017/18-5	000NONPJ	matrix spike dup	6/12/2018	Pesticide	beta-BHC	n/a	=	0.0856	µg/L	EPA 608	0.0031	0.005			
2017/18-5	000NONPJ	matrix spike dup, rec	6/12/2018	Pesticide	beta-BHC	n/a	=	86	%	EPA 608	-88	-88	24	135	
2017/18-5	000NONPJ	matrix spike, RPD	6/12/2018	Pesticide	beta-BHC	n/a	=	2	%	EPA 608	-88	-88	0	30	
2017/18-5	Lab	method blank	6/11/2018	Pesticide	beta-BHC	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.005			
2017/18-5	Lab	LCS	6/11/2018	Pesticide	beta-BHC	n/a	=	0.0934	µg/L	EPA 608	0.0031	0.005			
2017/18-5	Lab	LCS, rec	6/11/2018	Pesticide	beta-BHC	n/a	=	93	%	EPA 608	-88	-88	53	123	
2017/18-5	Lab	method blank	6/12/2018	Pesticide	beta-BHC	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.005			
2017/18-5	Lab	LCS	6/12/2018	Pesticide	beta-BHC	n/a	=	0.0952	µg/L	EPA 608	0.0031	0.005			
2017/18-5	Lab	LCS, rec	6/12/2018	Pesticide	beta-BHC	n/a	=	95	%	EPA 608	-88	-88	53	123	
2017/18-5	Lab	method blank	6/19/2018	Pesticide	beta-BHC	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.005			
2017/18-5	Lab	LCS	6/19/2018	Pesticide	beta-BHC	n/a	=	0.105	µg/L	EPA 608	0.0031	0.005			
2017/18-5	Lab	LCS, rec	6/19/2018	Pesticide	beta-BHC	n/a	=	105	%	EPA 608	-88	-88	53	123	
2017/18-5	Lab	method blank	7/3/2018	Pesticide	beta-BHC	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.005			
2017/18-5	Lab	LCS	7/3/2018	Pesticide	beta-BHC	n/a	=	0.0971	µg/L	EPA 608	0.0031	0.005			
2017/18-5	Lab	LCS, rec	7/3/2018	Pesticide	beta-BHC	n/a	=	97	%	EPA 608	-88	-88	53	123	
2017/18-5	ME-VR2	matrix spike	7/3/2018	Pesticide	beta-BHC	n/a	=	0.0919	µg/L	EPA 608	0.0031	0.005			
2017/18-5	ME-VR2	matrix spike, rec	7/3/2018	Pesticide	beta-BHC	n/a	=	92	%	EPA 608	-88	-88	24	135	
2017/18-5	ME-VR2	matrix spike dup	7/3/2018	Pesticide	beta-BHC	n/a	=	0.0902	µg/L	EPA 608	0.0031	0.005			
2017/18-5	ME-VR2	matrix spike dup, rec	7/3/2018	Pesticide	beta-BHC	n/a	=	90	%	EPA 608	-88	-88	24	135	
2017/18-5	ME-VR2	matrix spike, RPD	7/3/2018	Pesticide	beta-BHC	n/a	=	2	%	EPA 608	-88	-88	0	30	
2017/18-5	000NONPJ	matrix spike	7/3/2018	Pesticide	Bolstar	n/a	=	0.047	µg/L	EPA 525.2m	0.0046	0.01			
2017/18-5	000NONPJ	matrix spike, rec	7/3/2018	Pesticide	Bolstar	n/a	=	94	%	EPA 525.2m	-88	-88	4	184	
2017/18-5	000NONPJ	matrix spike dup	7/3/2018	Pesticide	Bolstar	n/a	=	0.0408	µg/L	EPA 525.2m	0.0046	0.01			
2017/18-5	000NONPJ	matrix spike dup, rec	7/3/2018	Pesticide	Bolstar	n/a	=	82	%	EPA 525.2m	-88	-88	4	184	
2017/18-5	000NONPJ	matrix spike, RPD	7/3/2018	Pesticide	Bolstar	n/a	=	14	%	EPA 525.2m	-88	-88	0	30	
2017/18-5	Lab	method blank	6/13/2018	Pesticide	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01			
2017/18-5	Lab	LCS	6/13/2018	Pesticide	Bolstar	n/a	=	0.0258	µg/L	EPA 525.2m	0.0046	0.01			
2017/18-5	Lab	LCS, rec	6/13/2018	Pesticide	Bolstar	n/a	=	52	%	EPA 525.2m	-88	-88	11	166	
2017/18-5	Lab	method blank	6/18/2018	Pesticide	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01			
2017/18-5	Lab	LCS	6/18/2018	Pesticide	Bolstar	n/a	=	0.0463	µg/L	EPA 525.2m	0.0046	0.01			
2017/18-5	Lab	LCS, rec	6/18/2018	Pesticide	Bolstar	n/a	=	93	%	EPA 525.2m	-88	-88	11	166	
2017/18-5	Lab	LCS dup	6/18/2018	Pesticide	Bolstar	n/a	=	0.0493	µg/L	EPA 525.2m	0.0046	0.01			
2017/18-5	Lab	LCS dup, rec	6/18/2018	Pesticide	Bolstar	n/a	=	99	%	EPA 525.2m	-88	-88	11	166	
2017/18-5	Lab	LCS, RPD	6/18/2018	Pesticide	Bolstar	n/a	=	6	%	EPA 525.2m	-88	-88	0	30	
2017/18-5	Lab	method blank	7/3/2018	Pesticide	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01			
2017/18-5	Lab	LCS	7/3/2018	Pesticide	Bolstar	n/a	=	0.0248	µg/L	EPA 525.2m	0.0046	0.01			
2017/18-5	Lab	LCS, rec	7/3/2018	Pesticide	Bolstar	n/a	=	50	%	EPA 525.2m	-88	-88	11	166	
2017/18-5	ME-CC	matrix spike dup	6/13/2018	Pesticide	Bolstar	n/a	=	0.0368	µg/L	EPA 525.2m	0.0046	0.01			
2017/18-5	ME-CC	matrix spike dup, rec	6/13/2018	Pesticide	Bolstar	n/a	=	74	%	EPA 525.2m	-88	-88	4	184	
2017/18-5	ME-CC	matrix spike, RPD	6/13/2018	Pesticide	Bolstar	n/a	=	15	%	EPA 525.2m	-88	-88	0	30	
2017/18-5	ME-CC	matrix spike	6/13/2018	Pesticide	Bolstar	n/a	=	0.0427	µg/L	EPA 525.2m	0.0046	0.01			
2017/18-5	ME-CC	matrix spike, rec	6/13/2018	Pesticide	Bolstar	n/a	=	85	%	EPA 525.2m	-88	-88	4	184	
2017/18-5	Lab	method blank	6/6/2018	Pesticide	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1			
2017/18-5	Lab	LCS	6/6/2018	Pesticide	Bromacil	n/a	=	5.67	µg/L	EPA 525.2	0.038	1			
2017/18-5	Lab	LCS, rec	6/6/2018	Pesticide	Bromacil	n/a	=	113	%	EPA 525.2	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	LCS dup	6/6/2018	Pesticide	Bromacil	n/a	=	6.25	µg/L	EPA 525.2	0.038	1			
2017/18-5	Lab	LCS dup, rec	6/6/2018	Pesticide	Bromacil	n/a	=	125	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS, RPD	6/6/2018	Pesticide	Bromacil	n/a	=	10	%	EPA 525.2	-88	-88	0	30	
2017/18-5	Lab	method blank	6/14/2018	Pesticide	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1			
2017/18-5	Lab	LCS	6/14/2018	Pesticide	Bromacil	n/a	=	5.4	µg/L	EPA 525.2	0.038	1			
2017/18-5	Lab	LCS, rec	6/14/2018	Pesticide	Bromacil	n/a	=	108	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS dup	6/14/2018	Pesticide	Bromacil	n/a	=	5.64	µg/L	EPA 525.2	0.038	1			
2017/18-5	Lab	LCS dup, rec	6/14/2018	Pesticide	Bromacil	n/a	=	113	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS, RPD	6/14/2018	Pesticide	Bromacil	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2017/18-5	Lab	method blank	6/29/2018	Pesticide	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1			
2017/18-5	Lab	LCS	6/29/2018	Pesticide	Bromacil	n/a	=	4.87	µg/L	EPA 525.2	0.038	1			
2017/18-5	Lab	LCS, rec	6/29/2018	Pesticide	Bromacil	n/a	=	97	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS dup	6/29/2018	Pesticide	Bromacil	n/a	=	5.37	µg/L	EPA 525.2	0.038	1			
2017/18-5	Lab	LCS dup, rec	6/29/2018	Pesticide	Bromacil	n/a	=	107	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS, RPD	6/29/2018	Pesticide	Bromacil	n/a	=	10	%	EPA 525.2	-88	-88	0	30	
2017/18-5	Lab	method blank	7/2/2018	Pesticide	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1			
2017/18-5	Lab	LCS	7/2/2018	Pesticide	Bromacil	n/a	=	5.03	µg/L	EPA 525.2	0.038	1			
2017/18-5	Lab	LCS, rec	7/2/2018	Pesticide	Bromacil	n/a	=	101	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS dup	7/2/2018	Pesticide	Bromacil	n/a	=	5.3	µg/L	EPA 525.2	0.038	1			
2017/18-5	Lab	LCS dup, rec	7/2/2018	Pesticide	Bromacil	n/a	=	106	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS, RPD	7/2/2018	Pesticide	Bromacil	n/a	=	5	%	EPA 525.2	-88	-88	0	30	
2017/18-5	Lab	method blank	6/6/2018	Pesticide	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2			
2017/18-5	Lab	LCS	6/6/2018	Pesticide	Butachlor	n/a	=	5	µg/L	EPA 525.2	0.017	0.2			
2017/18-5	Lab	LCS, rec	6/6/2018	Pesticide	Butachlor	n/a	=	100	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS dup	6/6/2018	Pesticide	Butachlor	n/a	=	5.33	µg/L	EPA 525.2	0.017	0.2			
2017/18-5	Lab	LCS dup, rec	6/6/2018	Pesticide	Butachlor	n/a	=	107	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS, RPD	6/6/2018	Pesticide	Butachlor	n/a	=	6	%	EPA 525.2	-88	-88	0	30	
2017/18-5	Lab	method blank	6/14/2018	Pesticide	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2			
2017/18-5	Lab	LCS	6/14/2018	Pesticide	Butachlor	n/a	=	5.39	µg/L	EPA 525.2	0.017	0.2			
2017/18-5	Lab	LCS, rec	6/14/2018	Pesticide	Butachlor	n/a	=	108	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS dup	6/14/2018	Pesticide	Butachlor	n/a	=	5.05	µg/L	EPA 525.2	0.017	0.2			
2017/18-5	Lab	LCS dup, rec	6/14/2018	Pesticide	Butachlor	n/a	=	101	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS, RPD	6/14/2018	Pesticide	Butachlor	n/a	=	7	%	EPA 525.2	-88	-88	0	30	
2017/18-5	Lab	method blank	6/29/2018	Pesticide	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2			
2017/18-5	Lab	LCS	6/29/2018	Pesticide	Butachlor	n/a	=	4.87	µg/L	EPA 525.2	0.017	0.2			
2017/18-5	Lab	LCS, rec	6/29/2018	Pesticide	Butachlor	n/a	=	97	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS dup	6/29/2018	Pesticide	Butachlor	n/a	=	4.8	µg/L	EPA 525.2	0.017	0.2			
2017/18-5	Lab	LCS dup, rec	6/29/2018	Pesticide	Butachlor	n/a	=	96	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS, RPD	6/29/2018	Pesticide	Butachlor	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2017/18-5	Lab	method blank	7/2/2018	Pesticide	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2			
2017/18-5	Lab	LCS	7/2/2018	Pesticide	Butachlor	n/a	=	4.83	µg/L	EPA 525.2	0.017	0.2			
2017/18-5	Lab	LCS, rec	7/2/2018	Pesticide	Butachlor	n/a	=	97	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS dup	7/2/2018	Pesticide	Butachlor	n/a	=	4.81	µg/L	EPA 525.2	0.017	0.2			
2017/18-5	Lab	LCS dup, rec	7/2/2018	Pesticide	Butachlor	n/a	=	96	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS, RPD	7/2/2018	Pesticide	Butachlor	n/a	=	0.4	%	EPA 525.2	-88	-88	0	30	
2017/18-5	Lab	method blank	6/6/2018	Pesticide	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1			
2017/18-5	Lab	LCS	6/6/2018	Pesticide	Captan	n/a	=	6.04	µg/L	EPA 525.2	0.86	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	LCS, rec	6/6/2018	Pesticide	Captan	n/a	=	121	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS dup	6/6/2018	Pesticide	Captan	n/a	=	6.47	µg/L	EPA 525.2	0.86	1			
2017/18-5	Lab	LCS dup, rec	6/6/2018	Pesticide	Captan	n/a	=	129	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS, RPD	6/6/2018	Pesticide	Captan	n/a	=	7	%	EPA 525.2	-88	-88	0	30	
2017/18-5	Lab	method blank	6/14/2018	Pesticide	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1			
2017/18-5	Lab	LCS	6/14/2018	Pesticide	Captan	n/a	=	6.2	µg/L	EPA 525.2	0.86	1			
2017/18-5	Lab	LCS, rec	6/14/2018	Pesticide	Captan	n/a	=	124	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS dup	6/14/2018	Pesticide	Captan	n/a	=	5.97	µg/L	EPA 525.2	0.86	1			
2017/18-5	Lab	LCS dup, rec	6/14/2018	Pesticide	Captan	n/a	=	119	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS, RPD	6/14/2018	Pesticide	Captan	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2017/18-5	Lab	method blank	6/29/2018	Pesticide	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1			
2017/18-5	Lab	LCS	6/29/2018	Pesticide	Captan	n/a	=	6.36	µg/L	EPA 525.2	0.86	1			
2017/18-5	Lab	LCS, rec	6/29/2018	Pesticide	Captan	n/a	=	127	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS dup	6/29/2018	Pesticide	Captan	n/a	=	6.56	µg/L	EPA 525.2	0.86	1			EUM
2017/18-5	Lab	LCS dup, rec	6/29/2018	Pesticide	Captan	n/a	=	131	%	EPA 525.2	-88	-88	70	130	EUM
2017/18-5	Lab	LCS, RPD	6/29/2018	Pesticide	Captan	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2017/18-5	Lab	method blank	7/2/2018	Pesticide	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1			
2017/18-5	Lab	LCS	7/2/2018	Pesticide	Captan	n/a	=	5.7	µg/L	EPA 525.2	0.86	1			
2017/18-5	Lab	LCS, rec	7/2/2018	Pesticide	Captan	n/a	=	114	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS dup	7/2/2018	Pesticide	Captan	n/a	=	5.56	µg/L	EPA 525.2	0.86	1			
2017/18-5	Lab	LCS dup, rec	7/2/2018	Pesticide	Captan	n/a	=	111	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS, RPD	7/2/2018	Pesticide	Captan	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2017/18-5	Lab	method blank	6/6/2018	Pesticide	Chloropropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1			
2017/18-5	Lab	LCS	6/6/2018	Pesticide	Chloropropham	n/a	=	5.51	µg/L	EPA 525.2	0.01	0.1			
2017/18-5	Lab	LCS, rec	6/6/2018	Pesticide	Chloropropham	n/a	=	110	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS dup	6/6/2018	Pesticide	Chloropropham	n/a	=	5.76	µg/L	EPA 525.2	0.01	0.1			
2017/18-5	Lab	LCS dup, rec	6/6/2018	Pesticide	Chloropropham	n/a	=	115	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS, RPD	6/6/2018	Pesticide	Chloropropham	n/a	=	5	%	EPA 525.2	-88	-88	0	30	
2017/18-5	Lab	method blank	6/14/2018	Pesticide	Chloropropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1			
2017/18-5	Lab	LCS	6/14/2018	Pesticide	Chloropropham	n/a	=	5.44	µg/L	EPA 525.2	0.01	0.1			
2017/18-5	Lab	LCS, rec	6/14/2018	Pesticide	Chloropropham	n/a	=	109	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS dup	6/14/2018	Pesticide	Chloropropham	n/a	=	5.58	µg/L	EPA 525.2	0.01	0.1			
2017/18-5	Lab	LCS dup, rec	6/14/2018	Pesticide	Chloropropham	n/a	=	112	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS, RPD	6/14/2018	Pesticide	Chloropropham	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2017/18-5	Lab	method blank	6/29/2018	Pesticide	Chloropropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1			
2017/18-5	Lab	LCS	6/29/2018	Pesticide	Chloropropham	n/a	=	5.81	µg/L	EPA 525.2	0.01	0.1			
2017/18-5	Lab	LCS, rec	6/29/2018	Pesticide	Chloropropham	n/a	=	116	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS dup	6/29/2018	Pesticide	Chloropropham	n/a	=	5.79	µg/L	EPA 525.2	0.01	0.1			
2017/18-5	Lab	LCS dup, rec	6/29/2018	Pesticide	Chloropropham	n/a	=	116	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS, RPD	6/29/2018	Pesticide	Chloropropham	n/a	=	0.4	%	EPA 525.2	-88	-88	0	30	
2017/18-5	Lab	method blank	7/2/2018	Pesticide	Chloropropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1			
2017/18-5	Lab	LCS	7/2/2018	Pesticide	Chloropropham	n/a	=	5.6	µg/L	EPA 525.2	0.01	0.1			
2017/18-5	Lab	LCS, rec	7/2/2018	Pesticide	Chloropropham	n/a	=	112	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS dup	7/2/2018	Pesticide	Chloropropham	n/a	=	5.8	µg/L	EPA 525.2	0.01	0.1			
2017/18-5	Lab	LCS dup, rec	7/2/2018	Pesticide	Chloropropham	n/a	=	116	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS, RPD	7/2/2018	Pesticide	Chloropropham	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2017/18-5	000NONPJ	matrix spike	7/3/2018	Pesticide	Chlorpyrifos	n/a	=	0.0604	µg/L	EPA 525.2m	0.0069	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	000NONPJ	matrix spike, rec	7/3/2018	Pesticide	Chlorpyrifos	n/a	=	121	%	EPA 525.2m	-88	-88	37	168	
2017/18-5	000NONPJ	matrix spike dup	7/3/2018	Pesticide	Chlorpyrifos	n/a	=	0.0528	µg/L	EPA 525.2m	0.0069	0.01			
2017/18-5	000NONPJ	matrix spike dup, rec	7/3/2018	Pesticide	Chlorpyrifos	n/a	=	106	%	EPA 525.2m	-88	-88	37	168	
2017/18-5	000NONPJ	matrix spike, RPD	7/3/2018	Pesticide	Chlorpyrifos	n/a	=	13	%	EPA 525.2m	-88	-88	0	30	
2017/18-5	Lab	method blank	6/13/2018	Pesticide	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01			
2017/18-5	Lab	LCS	6/13/2018	Pesticide	Chlorpyrifos	n/a	=	0.0492	µg/L	EPA 525.2m	0.0069	0.01			
2017/18-5	Lab	LCS, rec	6/13/2018	Pesticide	Chlorpyrifos	n/a	=	98	%	EPA 525.2m	-88	-88	37	169	
2017/18-5	Lab	method blank	6/18/2018	Pesticide	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01			
2017/18-5	Lab	LCS	6/18/2018	Pesticide	Chlorpyrifos	n/a	=	0.0586	µg/L	EPA 525.2m	0.0069	0.01			
2017/18-5	Lab	LCS, rec	6/18/2018	Pesticide	Chlorpyrifos	n/a	=	117	%	EPA 525.2m	-88	-88	37	169	
2017/18-5	Lab	LCS dup	6/18/2018	Pesticide	Chlorpyrifos	n/a	=	0.0434	µg/L	EPA 525.2m	0.0069	0.01			
2017/18-5	Lab	LCS dup, rec	6/18/2018	Pesticide	Chlorpyrifos	n/a	=	87	%	EPA 525.2m	-88	-88	37	169	
2017/18-5	Lab	LCS, RPD	6/18/2018	Pesticide	Chlorpyrifos	n/a	=	30	%	EPA 525.2m	-88	-88	0	30	
2017/18-5	Lab	method blank	7/3/2018	Pesticide	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01			
2017/18-5	Lab	LCS	7/3/2018	Pesticide	Chlorpyrifos	n/a	=	0.0511	µg/L	EPA 525.2m	0.0069	0.01			
2017/18-5	Lab	LCS, rec	7/3/2018	Pesticide	Chlorpyrifos	n/a	=	102	%	EPA 525.2m	-88	-88	37	169	
2017/18-5	ME-CC	matrix spike dup	6/13/2018	Pesticide	Chlorpyrifos	n/a	=	0.0874	µg/L	EPA 525.2m	0.0069	0.01			GB
2017/18-5	ME-CC	matrix spike dup, rec	6/13/2018	Pesticide	Chlorpyrifos	n/a	=	175	%	EPA 525.2m	-88	-88	37	168	GB
2017/18-5	ME-CC	matrix spike, RPD	6/13/2018	Pesticide	Chlorpyrifos	n/a	=	38	%	EPA 525.2m	-88	-88	0	30	IL
2017/18-5	ME-CC	matrix spike	6/13/2018	Pesticide	Chlorpyrifos	n/a	=	0.0592	µg/L	EPA 525.2m	0.0069	0.01			
2017/18-5	ME-CC	matrix spike, rec	6/13/2018	Pesticide	Chlorpyrifos	n/a	=	118	%	EPA 525.2m	-88	-88	37	168	
2017/18-5	000NONPJ	matrix spike	7/3/2018	Pesticide	Coumaphos	n/a	=	0.0483	µg/L	EPA 525.2m	0.0051	0.01			
2017/18-5	000NONPJ	matrix spike, rec	7/3/2018	Pesticide	Coumaphos	n/a	=	97	%	EPA 525.2m	-88	-88	0.1	203	
2017/18-5	000NONPJ	matrix spike dup	7/3/2018	Pesticide	Coumaphos	n/a	=	0.051	µg/L	EPA 525.2m	0.0051	0.01			
2017/18-5	000NONPJ	matrix spike dup, rec	7/3/2018	Pesticide	Coumaphos	n/a	=	102	%	EPA 525.2m	-88	-88	0.1	203	
2017/18-5	000NONPJ	matrix spike, RPD	7/3/2018	Pesticide	Coumaphos	n/a	=	5	%	EPA 525.2m	-88	-88	0	30	
2017/18-5	Lab	method blank	6/13/2018	Pesticide	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01			
2017/18-5	Lab	LCS	6/13/2018	Pesticide	Coumaphos	n/a	=	0.0399	µg/L	EPA 525.2m	0.0051	0.01			
2017/18-5	Lab	LCS, rec	6/13/2018	Pesticide	Coumaphos	n/a	=	80	%	EPA 525.2m	-88	-88	0.1	225	
2017/18-5	Lab	method blank	6/18/2018	Pesticide	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01			
2017/18-5	Lab	LCS	6/18/2018	Pesticide	Coumaphos	n/a	=	0.0536	µg/L	EPA 525.2m	0.0051	0.01			
2017/18-5	Lab	LCS, rec	6/18/2018	Pesticide	Coumaphos	n/a	=	107	%	EPA 525.2m	-88	-88	0.1	225	
2017/18-5	Lab	LCS dup	6/18/2018	Pesticide	Coumaphos	n/a	=	0.0549	µg/L	EPA 525.2m	0.0051	0.01			
2017/18-5	Lab	LCS dup, rec	6/18/2018	Pesticide	Coumaphos	n/a	=	110	%	EPA 525.2m	-88	-88	0.1	225	
2017/18-5	Lab	LCS, RPD	6/18/2018	Pesticide	Coumaphos	n/a	=	2	%	EPA 525.2m	-88	-88	0	30	
2017/18-5	Lab	method blank	7/3/2018	Pesticide	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01			
2017/18-5	Lab	LCS	7/3/2018	Pesticide	Coumaphos	n/a	=	0.0442	µg/L	EPA 525.2m	0.0051	0.01			
2017/18-5	Lab	LCS, rec	7/3/2018	Pesticide	Coumaphos	n/a	=	88	%	EPA 525.2m	-88	-88	0.1	225	
2017/18-5	ME-CC	matrix spike dup	6/13/2018	Pesticide	Coumaphos	n/a	=	0.0497	µg/L	EPA 525.2m	0.0051	0.01			
2017/18-5	ME-CC	matrix spike dup, rec	6/13/2018	Pesticide	Coumaphos	n/a	=	99	%	EPA 525.2m	-88	-88	0.1	203	
2017/18-5	ME-CC	matrix spike, RPD	6/13/2018	Pesticide	Coumaphos	n/a	=	20	%	EPA 525.2m	-88	-88	0	30	
2017/18-5	ME-CC	matrix spike	6/13/2018	Pesticide	Coumaphos	n/a	=	0.0607	µg/L	EPA 525.2m	0.0051	0.01			
2017/18-5	ME-CC	matrix spike, rec	6/13/2018	Pesticide	Coumaphos	n/a	=	121	%	EPA 525.2m	-88	-88	0.1	203	
2017/18-5	Lab	method blank	6/6/2018	Pesticide	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2017/18-5	Lab	LCS	6/6/2018	Pesticide	Cyanazine	n/a	=	5.92	µg/L	EPA 525.2	0.024	0.1			
2017/18-5	Lab	LCS, rec	6/6/2018	Pesticide	Cyanazine	n/a	=	118	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS dup	6/6/2018	Pesticide	Cyanazine	n/a	=	6.09	µg/L	EPA 525.2	0.024	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	LCS dup, rec	6/6/2018	Pesticide	Cyanazine	n/a	=	122	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS, RPD	6/6/2018	Pesticide	Cyanazine	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2017/18-5	Lab	method blank	6/14/2018	Pesticide	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2017/18-5	Lab	LCS	6/14/2018	Pesticide	Cyanazine	n/a	=	5.76	µg/L	EPA 525.2	0.024	0.1			
2017/18-5	Lab	LCS, rec	6/14/2018	Pesticide	Cyanazine	n/a	=	115	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS dup	6/14/2018	Pesticide	Cyanazine	n/a	=	5.71	µg/L	EPA 525.2	0.024	0.1			
2017/18-5	Lab	LCS dup, rec	6/14/2018	Pesticide	Cyanazine	n/a	=	114	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS, RPD	6/14/2018	Pesticide	Cyanazine	n/a	=	0.9	%	EPA 525.2	-88	-88	0	30	
2017/18-5	Lab	method blank	6/29/2018	Pesticide	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2017/18-5	Lab	LCS	6/29/2018	Pesticide	Cyanazine	n/a	=	6.23	µg/L	EPA 525.2	0.024	0.1			
2017/18-5	Lab	LCS, rec	6/29/2018	Pesticide	Cyanazine	n/a	=	125	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS dup	6/29/2018	Pesticide	Cyanazine	n/a	=	6.25	µg/L	EPA 525.2	0.024	0.1			
2017/18-5	Lab	LCS dup, rec	6/29/2018	Pesticide	Cyanazine	n/a	=	125	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS, RPD	6/29/2018	Pesticide	Cyanazine	n/a	=	0.3	%	EPA 525.2	-88	-88	0	30	
2017/18-5	Lab	method blank	7/2/2018	Pesticide	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2017/18-5	Lab	LCS	7/2/2018	Pesticide	Cyanazine	n/a	=	6.19	µg/L	EPA 525.2	0.024	0.1			
2017/18-5	Lab	LCS, rec	7/2/2018	Pesticide	Cyanazine	n/a	=	124	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS dup	7/2/2018	Pesticide	Cyanazine	n/a	=	5.98	µg/L	EPA 525.2	0.024	0.1			
2017/18-5	Lab	LCS dup, rec	7/2/2018	Pesticide	Cyanazine	n/a	=	120	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS, RPD	7/2/2018	Pesticide	Cyanazine	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2017/18-5	000NONPJ	matrix spike	6/12/2018	Pesticide	Dalapon	n/a	=	9.21	µg/L	EPA 515.3	0.1	0.4			
2017/18-5	000NONPJ	matrix spike, rec	6/12/2018	Pesticide	Dalapon	n/a	=	115	%	EPA 515.3	-88	-88	70	130	
2017/18-5	000NONPJ	matrix spike dup	6/12/2018	Pesticide	Dalapon	n/a	=	9.85	µg/L	EPA 515.3	0.1	0.4			
2017/18-5	000NONPJ	matrix spike dup, rec	6/12/2018	Pesticide	Dalapon	n/a	=	123	%	EPA 515.3	-88	-88	70	130	
2017/18-5	000NONPJ	matrix spike, RPD	6/12/2018	Pesticide	Dalapon	n/a	=	7	%	EPA 515.3	-88	-88	0	30	
2017/18-5	Lab	method blank	6/12/2018	Pesticide	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4			
2017/18-5	Lab	LCS	6/12/2018	Pesticide	Dalapon	n/a	=	8.62	µg/L	EPA 515.3	0.1	0.4			
2017/18-5	Lab	LCS, rec	6/12/2018	Pesticide	Dalapon	n/a	=	108	%	EPA 515.3	-88	-88	70	130	
2017/18-5	Lab	method blank	6/13/2018	Pesticide	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4			
2017/18-5	Lab	LCS	6/13/2018	Pesticide	Dalapon	n/a	=	8.66	µg/L	EPA 515.3	0.1	0.4			
2017/18-5	Lab	LCS, rec	6/13/2018	Pesticide	Dalapon	n/a	=	108	%	EPA 515.3	-88	-88	70	130	
2017/18-5	Lab	method blank	6/28/2018	Pesticide	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4			
2017/18-5	Lab	LCS	6/28/2018	Pesticide	Dalapon	n/a	=	8.89	µg/L	EPA 515.3	0.1	0.4			
2017/18-5	Lab	LCS, rec	6/28/2018	Pesticide	Dalapon	n/a	=	111	%	EPA 515.3	-88	-88	70	130	
2017/18-5	ME-SCR	matrix spike	6/13/2018	Pesticide	Dalapon	n/a	=	8.82	µg/L	EPA 515.3	0.1	0.4			
2017/18-5	ME-SCR	matrix spike, rec	6/13/2018	Pesticide	Dalapon	n/a	=	110	%	EPA 515.3	-88	-88	70	130	
2017/18-5	ME-SCR	matrix spike dup	6/13/2018	Pesticide	Dalapon	n/a	=	8.83	µg/L	EPA 515.3	0.1	0.4			
2017/18-5	ME-SCR	matrix spike dup, rec	6/13/2018	Pesticide	Dalapon	n/a	=	110	%	EPA 515.3	-88	-88	70	130	
2017/18-5	ME-SCR	matrix spike, RPD	6/13/2018	Pesticide	Dalapon	n/a	=	0.1	%	EPA 515.3	-88	-88	0	30	
2017/18-5	ME-VR2	matrix spike	6/28/2018	Pesticide	Dalapon	n/a	=	8.53	µg/L	EPA 515.3	0.1	0.4			
2017/18-5	ME-VR2	matrix spike, rec	6/28/2018	Pesticide	Dalapon	n/a	=	107	%	EPA 515.3	-88	-88	70	130	
2017/18-5	ME-VR2	matrix spike dup	6/28/2018	Pesticide	Dalapon	n/a	=	8.59	µg/L	EPA 515.3	0.1	0.4			
2017/18-5	ME-VR2	matrix spike dup, rec	6/28/2018	Pesticide	Dalapon	n/a	=	107	%	EPA 515.3	-88	-88	70	130	
2017/18-5	ME-VR2	matrix spike, RPD	6/28/2018	Pesticide	Dalapon	n/a	=	0.6	%	EPA 515.3	-88	-88	0	30	
2017/18-5	MO-OJA	matrix spike	6/28/2018	Pesticide	Dalapon	n/a	=	8.37	µg/L	EPA 515.3	0.1	0.4			
2017/18-5	MO-OJA	matrix spike, rec	6/28/2018	Pesticide	Dalapon	n/a	=	101	%	EPA 515.3	-88	-88	70	130	
2017/18-5	MO-OJA	matrix spike dup	6/28/2018	Pesticide	Dalapon	n/a	=	8.24	µg/L	EPA 515.3	0.1	0.4			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	MO-OJA	matrix spike dup, rec	6/28/2018	Pesticide	Dalapon	n/a	=	99	%	EPA 515.3	-88	-88	70	130	
2017/18-5	MO-OJA	matrix spike, RPD	6/28/2018	Pesticide	Dalapon	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2017/18-5	000NONPJ	matrix spike	6/12/2018	Pesticide	DCPA (Dacthal)	n/a	=	4.24	µg/L	EPA 515.3	0.07	0.1			
2017/18-5	000NONPJ	matrix spike, rec	6/12/2018	Pesticide	DCPA (Dacthal)	n/a	=	106	%	EPA 515.3	-88	-88	70	130	
2017/18-5	000NONPJ	matrix spike dup	6/12/2018	Pesticide	DCPA (Dacthal)	n/a	=	4.41	µg/L	EPA 515.3	0.07	0.1			
2017/18-5	000NONPJ	matrix spike dup, rec	6/12/2018	Pesticide	DCPA (Dacthal)	n/a	=	110	%	EPA 515.3	-88	-88	70	130	
2017/18-5	000NONPJ	matrix spike, RPD	6/12/2018	Pesticide	DCPA (Dacthal)	n/a	=	4	%	EPA 515.3	-88	-88	0	30	
2017/18-5	Lab	method blank	6/12/2018	Pesticide	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1			
2017/18-5	Lab	LCS	6/12/2018	Pesticide	DCPA (Dacthal)	n/a	=	3.98	µg/L	EPA 515.3	0.07	0.1			
2017/18-5	Lab	LCS, rec	6/12/2018	Pesticide	DCPA (Dacthal)	n/a	=	99	%	EPA 515.3	-88	-88	70	130	
2017/18-5	Lab	method blank	6/13/2018	Pesticide	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1			
2017/18-5	Lab	LCS	6/13/2018	Pesticide	DCPA (Dacthal)	n/a	=	4.2	µg/L	EPA 515.3	0.07	0.1			
2017/18-5	Lab	LCS, rec	6/13/2018	Pesticide	DCPA (Dacthal)	n/a	=	105	%	EPA 515.3	-88	-88	70	130	
2017/18-5	Lab	method blank	6/28/2018	Pesticide	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1			
2017/18-5	Lab	LCS	6/28/2018	Pesticide	DCPA (Dacthal)	n/a	=	4.31	µg/L	EPA 515.3	0.07	0.1			
2017/18-5	Lab	LCS, rec	6/28/2018	Pesticide	DCPA (Dacthal)	n/a	=	108	%	EPA 515.3	-88	-88	70	130	
2017/18-5	ME-SCR	matrix spike	6/13/2018	Pesticide	DCPA (Dacthal)	n/a	=	4.68	µg/L	EPA 515.3	0.07	0.1			
2017/18-5	ME-SCR	matrix spike, rec	6/13/2018	Pesticide	DCPA (Dacthal)	n/a	=	105	%	EPA 515.3	-88	-88	70	130	
2017/18-5	ME-SCR	matrix spike dup	6/13/2018	Pesticide	DCPA (Dacthal)	n/a	=	4.65	µg/L	EPA 515.3	0.07	0.1			
2017/18-5	ME-SCR	matrix spike dup, rec	6/13/2018	Pesticide	DCPA (Dacthal)	n/a	=	104	%	EPA 515.3	-88	-88	70	130	
2017/18-5	ME-SCR	matrix spike, RPD	6/13/2018	Pesticide	DCPA (Dacthal)	n/a	=	0.7	%	EPA 515.3	-88	-88	0	30	
2017/18-5	ME-VR2	matrix spike	6/28/2018	Pesticide	DCPA (Dacthal)	n/a	=	4.19	µg/L	EPA 515.3	0.07	0.1			
2017/18-5	ME-VR2	matrix spike, rec	6/28/2018	Pesticide	DCPA (Dacthal)	n/a	=	105	%	EPA 515.3	-88	-88	70	130	
2017/18-5	ME-VR2	matrix spike dup	6/28/2018	Pesticide	DCPA (Dacthal)	n/a	=	4.3	µg/L	EPA 515.3	0.07	0.1			
2017/18-5	ME-VR2	matrix spike dup, rec	6/28/2018	Pesticide	DCPA (Dacthal)	n/a	=	107	%	EPA 515.3	-88	-88	70	130	
2017/18-5	ME-VR2	matrix spike, RPD	6/28/2018	Pesticide	DCPA (Dacthal)	n/a	=	3	%	EPA 515.3	-88	-88	0	30	
2017/18-5	MO-OJA	matrix spike	6/28/2018	Pesticide	DCPA (Dacthal)	n/a	=	4.09	µg/L	EPA 515.3	0.07	0.1			
2017/18-5	MO-OJA	matrix spike, rec	6/28/2018	Pesticide	DCPA (Dacthal)	n/a	=	102	%	EPA 515.3	-88	-88	70	130	
2017/18-5	MO-OJA	matrix spike dup	6/28/2018	Pesticide	DCPA (Dacthal)	n/a	=	4.06	µg/L	EPA 515.3	0.07	0.1			
2017/18-5	MO-OJA	matrix spike dup, rec	6/28/2018	Pesticide	DCPA (Dacthal)	n/a	=	101	%	EPA 515.3	-88	-88	70	130	
2017/18-5	MO-OJA	matrix spike, RPD	6/28/2018	Pesticide	DCPA (Dacthal)	n/a	=	0.9	%	EPA 515.3	-88	-88	0	30	
2017/18-5	000NONPJ	matrix spike	6/11/2018	Pesticide	delta-BHC	n/a	=	0.0775	µg/L	EPA 608	0.0025	0.005			
2017/18-5	000NONPJ	matrix spike, rec	6/11/2018	Pesticide	delta-BHC	n/a	=	78	%	EPA 608	-88	-88	37	122	
2017/18-5	000NONPJ	matrix spike dup	6/11/2018	Pesticide	delta-BHC	n/a	=	0.0834	µg/L	EPA 608	0.0025	0.005			
2017/18-5	000NONPJ	matrix spike dup, rec	6/11/2018	Pesticide	delta-BHC	n/a	=	83	%	EPA 608	-88	-88	37	122	
2017/18-5	000NONPJ	matrix spike, RPD	6/11/2018	Pesticide	delta-BHC	n/a	=	7	%	EPA 608	-88	-88	0	30	
2017/18-5	000NONPJ	matrix spike	6/12/2018	Pesticide	delta-BHC	n/a	=	0.054	µg/L	EPA 608	0.0025	0.005			
2017/18-5	000NONPJ	matrix spike, rec	6/12/2018	Pesticide	delta-BHC	n/a	=	54	%	EPA 608	-88	-88	37	122	
2017/18-5	000NONPJ	matrix spike dup	6/12/2018	Pesticide	delta-BHC	n/a	=	0.0553	µg/L	EPA 608	0.0025	0.005			
2017/18-5	000NONPJ	matrix spike dup, rec	6/12/2018	Pesticide	delta-BHC	n/a	=	55	%	EPA 608	-88	-88	37	122	
2017/18-5	000NONPJ	matrix spike, RPD	6/12/2018	Pesticide	delta-BHC	n/a	=	2	%	EPA 608	-88	-88	0	30	
2017/18-5	Lab	method blank	6/11/2018	Pesticide	delta-BHC	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.005			
2017/18-5	Lab	LCS	6/11/2018	Pesticide	delta-BHC	n/a	=	0.0928	µg/L	EPA 608	0.0025	0.005			
2017/18-5	Lab	LCS, rec	6/11/2018	Pesticide	delta-BHC	n/a	=	93	%	EPA 608	-88	-88	51	123	
2017/18-5	Lab	method blank	6/12/2018	Pesticide	delta-BHC	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.005			
2017/18-5	Lab	LCS	6/12/2018	Pesticide	delta-BHC	n/a	=	0.0928	µg/L	EPA 608	0.0025	0.005			
2017/18-5	Lab	LCS, rec	6/12/2018	Pesticide	delta-BHC	n/a	=	93	%	EPA 608	-88	-88	51	123	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	method blank	6/19/2018	Pesticide	delta-BHC	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.005			
2017/18-5	Lab	LCS	6/19/2018	Pesticide	delta-BHC	n/a	=	0.103	µg/L	EPA 608	0.0025	0.005			
2017/18-5	Lab	LCS, rec	6/19/2018	Pesticide	delta-BHC	n/a	=	103	%	EPA 608	-88	-88	51	123	
2017/18-5	Lab	method blank	7/3/2018	Pesticide	delta-BHC	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.005			
2017/18-5	Lab	LCS	7/3/2018	Pesticide	delta-BHC	n/a	=	0.0959	µg/L	EPA 608	0.0025	0.005			
2017/18-5	Lab	LCS, rec	7/3/2018	Pesticide	delta-BHC	n/a	=	96	%	EPA 608	-88	-88	51	123	
2017/18-5	ME-VR2	matrix spike	7/3/2018	Pesticide	delta-BHC	n/a	=	0.0896	µg/L	EPA 608	0.0025	0.005			
2017/18-5	ME-VR2	matrix spike, rec	7/3/2018	Pesticide	delta-BHC	n/a	=	90	%	EPA 608	-88	-88	37	122	
2017/18-5	ME-VR2	matrix spike dup	7/3/2018	Pesticide	delta-BHC	n/a	=	0.0875	µg/L	EPA 608	0.0025	0.005			
2017/18-5	ME-VR2	matrix spike dup, rec	7/3/2018	Pesticide	delta-BHC	n/a	=	87	%	EPA 608	-88	-88	37	122	
2017/18-5	ME-VR2	matrix spike, RPD	7/3/2018	Pesticide	delta-BHC	n/a	=	2	%	EPA 608	-88	-88	0	30	
2017/18-5	000NONPJ	matrix spike	7/3/2018	Pesticide	Demeton-O	n/a	=	0.024	µg/L	EPA 525.2m	0.01	0.01			
2017/18-5	000NONPJ	matrix spike, rec	7/3/2018	Pesticide	Demeton-O	n/a	=	48	%	EPA 525.2m	-88	-88	0.1	208	
2017/18-5	000NONPJ	matrix spike dup	7/3/2018	Pesticide	Demeton-O	n/a	=	0.0229	µg/L	EPA 525.2m	0.01	0.01			
2017/18-5	000NONPJ	matrix spike dup, rec	7/3/2018	Pesticide	Demeton-O	n/a	=	46	%	EPA 525.2m	-88	-88	0.1	208	
2017/18-5	000NONPJ	matrix spike, RPD	7/3/2018	Pesticide	Demeton-O	n/a	=	5	%	EPA 525.2m	-88	-88	0	30	
2017/18-5	Lab	method blank	6/13/2018	Pesticide	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2017/18-5	Lab	LCS	6/13/2018	Pesticide	Demeton-O	n/a	=	0.0234	µg/L	EPA 525.2m	0.01	0.01			
2017/18-5	Lab	LCS, rec	6/13/2018	Pesticide	Demeton-O	n/a	=	47	%	EPA 525.2m	-88	-88	0.1	211	
2017/18-5	Lab	method blank	6/18/2018	Pesticide	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2017/18-5	Lab	LCS	6/18/2018	Pesticide	Demeton-O	n/a	=	0.0138	µg/L	EPA 525.2m	0.01	0.01			
2017/18-5	Lab	LCS, rec	6/18/2018	Pesticide	Demeton-O	n/a	=	28	%	EPA 525.2m	-88	-88	0.1	211	
2017/18-5	Lab	LCS dup	6/18/2018	Pesticide	Demeton-O	n/a	=	0.02	µg/L	EPA 525.2m	0.01	0.01			
2017/18-5	Lab	LCS dup, rec	6/18/2018	Pesticide	Demeton-O	n/a	=	40	%	EPA 525.2m	-88	-88	0.1	211	
2017/18-5	Lab	LCS, RPD	6/18/2018	Pesticide	Demeton-O	n/a	=	37	%	EPA 525.2m	-88	-88	0	30	IL
2017/18-5	Lab	method blank	7/3/2018	Pesticide	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2017/18-5	Lab	LCS	7/3/2018	Pesticide	Demeton-O	n/a	=	0.0141	µg/L	EPA 525.2m	0.01	0.01			
2017/18-5	Lab	LCS, rec	7/3/2018	Pesticide	Demeton-O	n/a	=	28	%	EPA 525.2m	-88	-88	0.1	211	
2017/18-5	ME-CC	matrix spike dup	6/13/2018	Pesticide	Demeton-O	n/a	=	0.0278	µg/L	EPA 525.2m	0.01	0.01			
2017/18-5	ME-CC	matrix spike dup, rec	6/13/2018	Pesticide	Demeton-O	n/a	=	56	%	EPA 525.2m	-88	-88	0.1	208	
2017/18-5	ME-CC	matrix spike, RPD	6/13/2018	Pesticide	Demeton-O	n/a	=	5	%	EPA 525.2m	-88	-88	0	30	
2017/18-5	ME-CC	matrix spike	6/13/2018	Pesticide	Demeton-O	n/a	=	0.0293	µg/L	EPA 525.2m	0.01	0.01			
2017/18-5	ME-CC	matrix spike, rec	6/13/2018	Pesticide	Demeton-O	n/a	=	59	%	EPA 525.2m	-88	-88	0.1	208	
2017/18-5	000NONPJ	matrix spike	7/3/2018	Pesticide	Demeton-S	n/a	=	0.051	µg/L	EPA 525.2m	0.01	0.01			
2017/18-5	000NONPJ	matrix spike, rec	7/3/2018	Pesticide	Demeton-S	n/a	=	102	%	EPA 525.2m	-88	-88	0.1	207	
2017/18-5	000NONPJ	matrix spike dup	7/3/2018	Pesticide	Demeton-S	n/a	=	0.0456	µg/L	EPA 525.2m	0.01	0.01			
2017/18-5	000NONPJ	matrix spike dup, rec	7/3/2018	Pesticide	Demeton-S	n/a	=	91	%	EPA 525.2m	-88	-88	0.1	207	
2017/18-5	000NONPJ	matrix spike, RPD	7/3/2018	Pesticide	Demeton-S	n/a	=	11	%	EPA 525.2m	-88	-88	0	30	
2017/18-5	Lab	method blank	6/13/2018	Pesticide	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2017/18-5	Lab	LCS	6/13/2018	Pesticide	Demeton-S	n/a	=	0.0451	µg/L	EPA 525.2m	0.01	0.01			
2017/18-5	Lab	LCS, rec	6/13/2018	Pesticide	Demeton-S	n/a	=	90	%	EPA 525.2m	-88	-88	0.1	213	
2017/18-5	Lab	method blank	6/18/2018	Pesticide	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2017/18-5	Lab	LCS	6/18/2018	Pesticide	Demeton-S	n/a	=	0.0503	µg/L	EPA 525.2m	0.01	0.01			
2017/18-5	Lab	LCS, rec	6/18/2018	Pesticide	Demeton-S	n/a	=	101	%	EPA 525.2m	-88	-88	0.1	213	
2017/18-5	Lab	LCS dup	6/18/2018	Pesticide	Demeton-S	n/a	=	0.0417	µg/L	EPA 525.2m	0.01	0.01			
2017/18-5	Lab	LCS dup, rec	6/18/2018	Pesticide	Demeton-S	n/a	=	83	%	EPA 525.2m	-88	-88	0.1	213	
2017/18-5	Lab	LCS, RPD	6/18/2018	Pesticide	Demeton-S	n/a	=	19	%	EPA 525.2m	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	method blank	7/3/2018	Pesticide	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2017/18-5	Lab	LCS	7/3/2018	Pesticide	Demeton-S	n/a	=	0.0293	µg/L	EPA 525.2m	0.01	0.01			
2017/18-5	Lab	LCS, rec	7/3/2018	Pesticide	Demeton-S	n/a	=	59	%	EPA 525.2m	-88	-88	0.1	213	
2017/18-5	ME-CC	matrix spike dup	6/13/2018	Pesticide	Demeton-S	n/a	=	0.0756	µg/L	EPA 525.2m	0.01	0.01			
2017/18-5	ME-CC	matrix spike dup, rec	6/13/2018	Pesticide	Demeton-S	n/a	=	151	%	EPA 525.2m	-88	-88	0.1	207	
2017/18-5	ME-CC	matrix spike, RPD	6/13/2018	Pesticide	Demeton-S	n/a	=	14	%	EPA 525.2m	-88	-88	0	30	
2017/18-5	ME-CC	matrix spike	6/13/2018	Pesticide	Demeton-S	n/a	=	0.0655	µg/L	EPA 525.2m	0.01	0.01			
2017/18-5	ME-CC	matrix spike, rec	6/13/2018	Pesticide	Demeton-S	n/a	=	131	%	EPA 525.2m	-88	-88	0.1	207	
2017/18-5	000NONPJ	matrix spike	7/3/2018	Pesticide	Diazinon	n/a	=	0.0467	µg/L	EPA 525.2m	0.0052	0.01			
2017/18-5	000NONPJ	matrix spike, rec	7/3/2018	Pesticide	Diazinon	n/a	=	93	%	EPA 525.2m	-88	-88	36	153	
2017/18-5	000NONPJ	matrix spike dup	7/3/2018	Pesticide	Diazinon	n/a	=	0.0405	µg/L	EPA 525.2m	0.0052	0.01			
2017/18-5	000NONPJ	matrix spike dup, rec	7/3/2018	Pesticide	Diazinon	n/a	=	81	%	EPA 525.2m	-88	-88	36	153	
2017/18-5	000NONPJ	matrix spike, RPD	7/3/2018	Pesticide	Diazinon	n/a	=	14	%	EPA 525.2m	-88	-88	0	30	
2017/18-5	Lab	method blank	6/6/2018	Pesticide	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1			
2017/18-5	Lab	LCS	6/6/2018	Pesticide	Diazinon	n/a	=	4.37	µg/L	EPA 525.2	0.096	0.1			
2017/18-5	Lab	LCS, rec	6/6/2018	Pesticide	Diazinon	n/a	=	87	%	EPA 525.2	-88	-88	50	120	
2017/18-5	Lab	LCS dup	6/6/2018	Pesticide	Diazinon	n/a	=	4.45	µg/L	EPA 525.2	0.096	0.1			
2017/18-5	Lab	LCS dup, rec	6/6/2018	Pesticide	Diazinon	n/a	=	89	%	EPA 525.2	-88	-88	50	120	
2017/18-5	Lab	LCS, RPD	6/6/2018	Pesticide	Diazinon	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2017/18-5	Lab	method blank	6/13/2018	Pesticide	Diazinon	n/a	=	0.0104	µg/L	EPA 525.2m	0.0052	0.01			IP
2017/18-5	Lab	LCS	6/13/2018	Pesticide	Diazinon	n/a	=	0.0447	µg/L	EPA 525.2m	0.0052	0.01			
2017/18-5	Lab	LCS, rec	6/13/2018	Pesticide	Diazinon	n/a	=	89	%	EPA 525.2m	-88	-88	43	152	
2017/18-5	Lab	method blank	6/14/2018	Pesticide	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1			
2017/18-5	Lab	LCS	6/14/2018	Pesticide	Diazinon	n/a	=	3.93	µg/L	EPA 525.2	0.096	0.1			
2017/18-5	Lab	LCS, rec	6/14/2018	Pesticide	Diazinon	n/a	=	79	%	EPA 525.2	-88	-88	50	120	
2017/18-5	Lab	LCS dup	6/14/2018	Pesticide	Diazinon	n/a	=	3.87	µg/L	EPA 525.2	0.096	0.1			
2017/18-5	Lab	LCS dup, rec	6/14/2018	Pesticide	Diazinon	n/a	=	77	%	EPA 525.2	-88	-88	50	120	
2017/18-5	Lab	LCS, RPD	6/14/2018	Pesticide	Diazinon	n/a	=	1	%	EPA 525.2	-88	-88	0	30	
2017/18-5	Lab	method blank	6/18/2018	Pesticide	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01			
2017/18-5	Lab	LCS	6/18/2018	Pesticide	Diazinon	n/a	=	0.0476	µg/L	EPA 525.2m	0.0052	0.01			
2017/18-5	Lab	LCS, rec	6/18/2018	Pesticide	Diazinon	n/a	=	95	%	EPA 525.2m	-88	-88	43	152	
2017/18-5	Lab	LCS dup	6/18/2018	Pesticide	Diazinon	n/a	=	0.0362	µg/L	EPA 525.2m	0.0052	0.01			
2017/18-5	Lab	LCS dup, rec	6/18/2018	Pesticide	Diazinon	n/a	=	72	%	EPA 525.2m	-88	-88	43	152	
2017/18-5	Lab	LCS, RPD	6/18/2018	Pesticide	Diazinon	n/a	=	27	%	EPA 525.2m	-88	-88	0	30	
2017/18-5	Lab	method blank	6/29/2018	Pesticide	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1			
2017/18-5	Lab	LCS	6/29/2018	Pesticide	Diazinon	n/a	=	3.81	µg/L	EPA 525.2	0.096	0.1			
2017/18-5	Lab	LCS, rec	6/29/2018	Pesticide	Diazinon	n/a	=	76	%	EPA 525.2	-88	-88	50	120	
2017/18-5	Lab	LCS dup	6/29/2018	Pesticide	Diazinon	n/a	=	3.81	µg/L	EPA 525.2	0.096	0.1			
2017/18-5	Lab	LCS dup, rec	6/29/2018	Pesticide	Diazinon	n/a	=	76	%	EPA 525.2	-88	-88	50	120	
2017/18-5	Lab	LCS, RPD	6/29/2018	Pesticide	Diazinon	n/a	=	0.1	%	EPA 525.2	-88	-88	0	30	
2017/18-5	Lab	method blank	7/2/2018	Pesticide	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1			
2017/18-5	Lab	LCS	7/2/2018	Pesticide	Diazinon	n/a	=	3.9	µg/L	EPA 525.2	0.096	0.1			
2017/18-5	Lab	LCS, rec	7/2/2018	Pesticide	Diazinon	n/a	=	78	%	EPA 525.2	-88	-88	50	120	
2017/18-5	Lab	LCS dup	7/2/2018	Pesticide	Diazinon	n/a	=	3.8	µg/L	EPA 525.2	0.096	0.1			
2017/18-5	Lab	LCS dup, rec	7/2/2018	Pesticide	Diazinon	n/a	=	76	%	EPA 525.2	-88	-88	50	120	
2017/18-5	Lab	LCS, RPD	7/2/2018	Pesticide	Diazinon	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2017/18-5	Lab	method blank	7/3/2018	Pesticide	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	LCS	7/3/2018	Pesticide	Diazinon	n/a	=	0.0401	µg/L	EPA 525.2m	0.0052	0.01			
2017/18-5	Lab	LCS, rec	7/3/2018	Pesticide	Diazinon	n/a	=	80	%	EPA 525.2m	-88	-88	43	152	
2017/18-5	ME-CC	matrix spike dup	6/13/2018	Pesticide	Diazinon	n/a	=	0.0634	µg/L	EPA 525.2m	0.0052	0.01			
2017/18-5	ME-CC	matrix spike dup, rec	6/13/2018	Pesticide	Diazinon	n/a	=	127	%	EPA 525.2m	-88	-88	36	153	
2017/18-5	ME-CC	matrix spike, RPD	6/13/2018	Pesticide	Diazinon	n/a	=	19	%	EPA 525.2m	-88	-88	0	30	
2017/18-5	ME-CC	matrix spike	6/13/2018	Pesticide	Diazinon	n/a	=	0.0524	µg/L	EPA 525.2m	0.0052	0.01			
2017/18-5	ME-CC	matrix spike, rec	6/13/2018	Pesticide	Diazinon	n/a	=	105	%	EPA 525.2m	-88	-88	36	153	
2017/18-5	000NONPJ	matrix spike	6/12/2018	Pesticide	Dicamba	n/a	=	8.09	µg/L	EPA 515.3	0.12	0.6			
2017/18-5	000NONPJ	matrix spike, rec	6/12/2018	Pesticide	Dicamba	n/a	=	101	%	EPA 515.3	-88	-88	70	130	
2017/18-5	000NONPJ	matrix spike dup	6/12/2018	Pesticide	Dicamba	n/a	=	8.64	µg/L	EPA 515.3	0.12	0.6			
2017/18-5	000NONPJ	matrix spike dup, rec	6/12/2018	Pesticide	Dicamba	n/a	=	108	%	EPA 515.3	-88	-88	70	130	
2017/18-5	000NONPJ	matrix spike, RPD	6/12/2018	Pesticide	Dicamba	n/a	=	7	%	EPA 515.3	-88	-88	0	30	
2017/18-5	Lab	method blank	6/12/2018	Pesticide	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6			
2017/18-5	Lab	LCS	6/12/2018	Pesticide	Dicamba	n/a	=	7.71	µg/L	EPA 515.3	0.12	0.6			
2017/18-5	Lab	LCS, rec	6/12/2018	Pesticide	Dicamba	n/a	=	96	%	EPA 515.3	-88	-88	70	130	
2017/18-5	Lab	method blank	6/13/2018	Pesticide	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6			
2017/18-5	Lab	LCS	6/13/2018	Pesticide	Dicamba	n/a	=	8.17	µg/L	EPA 515.3	0.12	0.6			
2017/18-5	Lab	LCS, rec	6/13/2018	Pesticide	Dicamba	n/a	=	102	%	EPA 515.3	-88	-88	70	130	
2017/18-5	Lab	method blank	6/28/2018	Pesticide	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6			
2017/18-5	Lab	LCS	6/28/2018	Pesticide	Dicamba	n/a	=	8.15	µg/L	EPA 515.3	0.12	0.6			
2017/18-5	Lab	LCS, rec	6/28/2018	Pesticide	Dicamba	n/a	=	102	%	EPA 515.3	-88	-88	70	130	
2017/18-5	ME-SCR	matrix spike	6/13/2018	Pesticide	Dicamba	n/a	=	8	µg/L	EPA 515.3	0.12	0.6			
2017/18-5	ME-SCR	matrix spike, rec	6/13/2018	Pesticide	Dicamba	n/a	=	100	%	EPA 515.3	-88	-88	70	130	
2017/18-5	ME-SCR	matrix spike dup	6/13/2018	Pesticide	Dicamba	n/a	=	8.02	µg/L	EPA 515.3	0.12	0.6			
2017/18-5	ME-SCR	matrix spike dup, rec	6/13/2018	Pesticide	Dicamba	n/a	=	100	%	EPA 515.3	-88	-88	70	130	
2017/18-5	ME-SCR	matrix spike, RPD	6/13/2018	Pesticide	Dicamba	n/a	=	0.2	%	EPA 515.3	-88	-88	0	30	
2017/18-5	ME-VR2	matrix spike	6/28/2018	Pesticide	Dicamba	n/a	=	7.7	µg/L	EPA 515.3	0.12	0.6			
2017/18-5	ME-VR2	matrix spike, rec	6/28/2018	Pesticide	Dicamba	n/a	=	96	%	EPA 515.3	-88	-88	70	130	
2017/18-5	ME-VR2	matrix spike dup	6/28/2018	Pesticide	Dicamba	n/a	=	7.58	µg/L	EPA 515.3	0.12	0.6			
2017/18-5	ME-VR2	matrix spike dup, rec	6/28/2018	Pesticide	Dicamba	n/a	=	95	%	EPA 515.3	-88	-88	70	130	
2017/18-5	ME-VR2	matrix spike, RPD	6/28/2018	Pesticide	Dicamba	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2017/18-5	MO-OJA	matrix spike	6/28/2018	Pesticide	Dicamba	n/a	=	7.75	µg/L	EPA 515.3	0.12	0.6			
2017/18-5	MO-OJA	matrix spike, rec	6/28/2018	Pesticide	Dicamba	n/a	=	97	%	EPA 515.3	-88	-88	70	130	
2017/18-5	MO-OJA	matrix spike dup	6/28/2018	Pesticide	Dicamba	n/a	=	7.57	µg/L	EPA 515.3	0.12	0.6			
2017/18-5	MO-OJA	matrix spike dup, rec	6/28/2018	Pesticide	Dicamba	n/a	=	95	%	EPA 515.3	-88	-88	70	130	
2017/18-5	MO-OJA	matrix spike, RPD	6/28/2018	Pesticide	Dicamba	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2017/18-5	000NONPJ	matrix spike	6/12/2018	Pesticide	Dichlorprop	n/a	=	9.64	µg/L	EPA 515.3	0.08	0.3			
2017/18-5	000NONPJ	matrix spike, rec	6/12/2018	Pesticide	Dichlorprop	n/a	=	121	%	EPA 515.3	-88	-88	70	130	
2017/18-5	000NONPJ	matrix spike dup	6/12/2018	Pesticide	Dichlorprop	n/a	=	10.1	µg/L	EPA 515.3	0.08	0.3			
2017/18-5	000NONPJ	matrix spike dup, rec	6/12/2018	Pesticide	Dichlorprop	n/a	=	126	%	EPA 515.3	-88	-88	70	130	
2017/18-5	000NONPJ	matrix spike, RPD	6/12/2018	Pesticide	Dichlorprop	n/a	=	5	%	EPA 515.3	-88	-88	0	30	
2017/18-5	Lab	method blank	6/12/2018	Pesticide	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3			
2017/18-5	Lab	LCS	6/12/2018	Pesticide	Dichlorprop	n/a	=	7.97	µg/L	EPA 515.3	0.08	0.3			
2017/18-5	Lab	LCS, rec	6/12/2018	Pesticide	Dichlorprop	n/a	=	100	%	EPA 515.3	-88	-88	70	130	
2017/18-5	Lab	method blank	6/13/2018	Pesticide	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3			
2017/18-5	Lab	LCS	6/13/2018	Pesticide	Dichlorprop	n/a	=	7.81	µg/L	EPA 515.3	0.08	0.3			
2017/18-5	Lab	LCS, rec	6/13/2018	Pesticide	Dichlorprop	n/a	=	98	%	EPA 515.3	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	method blank	6/28/2018	Pesticide	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3			
2017/18-5	Lab	LCS	6/28/2018	Pesticide	Dichlorprop	n/a	=	8.5	µg/L	EPA 515.3	0.08	0.3			
2017/18-5	Lab	LCS, rec	6/28/2018	Pesticide	Dichlorprop	n/a	=	106	%	EPA 515.3	-88	-88	70	130	
2017/18-5	ME-SCR	matrix spike	6/13/2018	Pesticide	Dichlorprop	n/a	=	7.9	µg/L	EPA 515.3	0.08	0.3			
2017/18-5	ME-SCR	matrix spike, rec	6/13/2018	Pesticide	Dichlorprop	n/a	=	99	%	EPA 515.3	-88	-88	70	130	
2017/18-5	ME-SCR	matrix spike dup	6/13/2018	Pesticide	Dichlorprop	n/a	=	7.77	µg/L	EPA 515.3	0.08	0.3			
2017/18-5	ME-SCR	matrix spike dup, rec	6/13/2018	Pesticide	Dichlorprop	n/a	=	97	%	EPA 515.3	-88	-88	70	130	
2017/18-5	ME-SCR	matrix spike, RPD	6/13/2018	Pesticide	Dichlorprop	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2017/18-5	ME-VR2	matrix spike	6/28/2018	Pesticide	Dichlorprop	n/a	=	7.76	µg/L	EPA 515.3	0.08	0.3			
2017/18-5	ME-VR2	matrix spike, rec	6/28/2018	Pesticide	Dichlorprop	n/a	=	97	%	EPA 515.3	-88	-88	70	130	
2017/18-5	ME-VR2	matrix spike dup	6/28/2018	Pesticide	Dichlorprop	n/a	=	7.89	µg/L	EPA 515.3	0.08	0.3			
2017/18-5	ME-VR2	matrix spike dup, rec	6/28/2018	Pesticide	Dichlorprop	n/a	=	99	%	EPA 515.3	-88	-88	70	130	
2017/18-5	ME-VR2	matrix spike, RPD	6/28/2018	Pesticide	Dichlorprop	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2017/18-5	MO-OJA	matrix spike	6/28/2018	Pesticide	Dichlorprop	n/a	=	7.46	µg/L	EPA 515.3	0.08	0.3			
2017/18-5	MO-OJA	matrix spike, rec	6/28/2018	Pesticide	Dichlorprop	n/a	=	93	%	EPA 515.3	-88	-88	70	130	
2017/18-5	MO-OJA	matrix spike dup	6/28/2018	Pesticide	Dichlorprop	n/a	=	7.46	µg/L	EPA 515.3	0.08	0.3			
2017/18-5	MO-OJA	matrix spike dup, rec	6/28/2018	Pesticide	Dichlorprop	n/a	=	93	%	EPA 515.3	-88	-88	70	130	
2017/18-5	MO-OJA	matrix spike, RPD	6/28/2018	Pesticide	Dichlorprop	n/a	=	0.01	%	EPA 515.3	-88	-88	0	30	
2017/18-5	000NONPJ	matrix spike	7/3/2018	Pesticide	Dichlorvos	n/a	=	0.0495	µg/L	EPA 525.2m	0.0029	0.01			
2017/18-5	000NONPJ	matrix spike, rec	7/3/2018	Pesticide	Dichlorvos	n/a	=	99	%	EPA 525.2m	-88	-88	42	137	
2017/18-5	000NONPJ	matrix spike dup	7/3/2018	Pesticide	Dichlorvos	n/a	=	0.0493	µg/L	EPA 525.2m	0.0029	0.01			
2017/18-5	000NONPJ	matrix spike dup, rec	7/3/2018	Pesticide	Dichlorvos	n/a	=	99	%	EPA 525.2m	-88	-88	42	137	
2017/18-5	000NONPJ	matrix spike, RPD	7/3/2018	Pesticide	Dichlorvos	n/a	=	0.5	%	EPA 525.2m	-88	-88	0	30	
2017/18-5	Lab	method blank	6/13/2018	Pesticide	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01			
2017/18-5	Lab	LCS	6/13/2018	Pesticide	Dichlorvos	n/a	=	0.0546	µg/L	EPA 525.2m	0.0029	0.01			
2017/18-5	Lab	LCS, rec	6/13/2018	Pesticide	Dichlorvos	n/a	=	109	%	EPA 525.2m	-88	-88	46	133	
2017/18-5	Lab	method blank	6/18/2018	Pesticide	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01			
2017/18-5	Lab	LCS	6/18/2018	Pesticide	Dichlorvos	n/a	=	0.0639	µg/L	EPA 525.2m	0.0029	0.01			
2017/18-5	Lab	LCS, rec	6/18/2018	Pesticide	Dichlorvos	n/a	=	128	%	EPA 525.2m	-88	-88	46	133	
2017/18-5	Lab	LCS dup	6/18/2018	Pesticide	Dichlorvos	n/a	=	0.0612	µg/L	EPA 525.2m	0.0029	0.01			
2017/18-5	Lab	LCS dup, rec	6/18/2018	Pesticide	Dichlorvos	n/a	=	122	%	EPA 525.2m	-88	-88	46	133	
2017/18-5	Lab	LCS, RPD	6/18/2018	Pesticide	Dichlorvos	n/a	=	4	%	EPA 525.2m	-88	-88	0	30	
2017/18-5	Lab	method blank	7/3/2018	Pesticide	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01			
2017/18-5	Lab	LCS	7/3/2018	Pesticide	Dichlorvos	n/a	=	0.0465	µg/L	EPA 525.2m	0.0029	0.01			
2017/18-5	Lab	LCS, rec	7/3/2018	Pesticide	Dichlorvos	n/a	=	93	%	EPA 525.2m	-88	-88	46	133	
2017/18-5	ME-CC	matrix spike dup	6/13/2018	Pesticide	Dichlorvos	n/a	=	0.0518	µg/L	EPA 525.2m	0.0029	0.01			
2017/18-5	ME-CC	matrix spike dup, rec	6/13/2018	Pesticide	Dichlorvos	n/a	=	104	%	EPA 525.2m	-88	-88	42	137	
2017/18-5	ME-CC	matrix spike, RPD	6/13/2018	Pesticide	Dichlorvos	n/a	=	0.4	%	EPA 525.2m	-88	-88	0	30	
2017/18-5	ME-CC	matrix spike	6/13/2018	Pesticide	Dichlorvos	n/a	=	0.052	µg/L	EPA 525.2m	0.0029	0.01			
2017/18-5	ME-CC	matrix spike, rec	6/13/2018	Pesticide	Dichlorvos	n/a	=	104	%	EPA 525.2m	-88	-88	42	137	
2017/18-5	000NONPJ	matrix spike	6/11/2018	Pesticide	Dieldrin	n/a	=	0.0759	µg/L	EPA 608	0.0021	0.01			
2017/18-5	000NONPJ	matrix spike, rec	6/11/2018	Pesticide	Dieldrin	n/a	=	76	%	EPA 608	-88	-88	27	132	
2017/18-5	000NONPJ	matrix spike dup	6/11/2018	Pesticide	Dieldrin	n/a	=	0.0838	µg/L	EPA 608	0.0021	0.01			
2017/18-5	000NONPJ	matrix spike dup, rec	6/11/2018	Pesticide	Dieldrin	n/a	=	84	%	EPA 608	-88	-88	27	132	
2017/18-5	000NONPJ	matrix spike, RPD	6/11/2018	Pesticide	Dieldrin	n/a	=	10	%	EPA 608	-88	-88	0	30	
2017/18-5	000NONPJ	matrix spike	6/12/2018	Pesticide	Dieldrin	n/a	=	0.0586	µg/L	EPA 608	0.0021	0.01			
2017/18-5	000NONPJ	matrix spike, rec	6/12/2018	Pesticide	Dieldrin	n/a	=	59	%	EPA 608	-88	-88	27	132	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	000NONPJ	matrix spike dup	6/12/2018	Pesticide	Dieldrin	n/a	=	0.0688	µg/L	EPA 608	0.0021	0.01			
2017/18-5	000NONPJ	matrix spike dup, rec	6/12/2018	Pesticide	Dieldrin	n/a	=	69	%	EPA 608	-88	-88	27	132	
2017/18-5	000NONPJ	matrix spike, RPD	6/12/2018	Pesticide	Dieldrin	n/a	=	16	%	EPA 608	-88	-88	0	30	
2017/18-5	Lab	method blank	6/11/2018	Pesticide	Dieldrin	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.01			
2017/18-5	Lab	LCS	6/11/2018	Pesticide	Dieldrin	n/a	=	0.0917	µg/L	EPA 608	0.0021	0.01			
2017/18-5	Lab	LCS, rec	6/11/2018	Pesticide	Dieldrin	n/a	=	92	%	EPA 608	-88	-88	48	123	
2017/18-5	Lab	method blank	6/12/2018	Pesticide	Dieldrin	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.01			
2017/18-5	Lab	LCS	6/12/2018	Pesticide	Dieldrin	n/a	=	0.0916	µg/L	EPA 608	0.0021	0.01			
2017/18-5	Lab	LCS, rec	6/12/2018	Pesticide	Dieldrin	n/a	=	92	%	EPA 608	-88	-88	48	123	
2017/18-5	Lab	method blank	6/19/2018	Pesticide	Dieldrin	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.01			
2017/18-5	Lab	LCS	6/19/2018	Pesticide	Dieldrin	n/a	=	0.0992	µg/L	EPA 608	0.0021	0.01			
2017/18-5	Lab	LCS, rec	6/19/2018	Pesticide	Dieldrin	n/a	=	99	%	EPA 608	-88	-88	48	123	
2017/18-5	Lab	method blank	7/3/2018	Pesticide	Dieldrin	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.01			
2017/18-5	Lab	LCS	7/3/2018	Pesticide	Dieldrin	n/a	=	0.0917	µg/L	EPA 608	0.0021	0.01			
2017/18-5	Lab	LCS, rec	7/3/2018	Pesticide	Dieldrin	n/a	=	92	%	EPA 608	-88	-88	48	123	
2017/18-5	ME-VR2	matrix spike	7/3/2018	Pesticide	Dieldrin	n/a	=	0.0908	µg/L	EPA 608	0.0021	0.01			
2017/18-5	ME-VR2	matrix spike, rec	7/3/2018	Pesticide	Dieldrin	n/a	=	91	%	EPA 608	-88	-88	27	132	
2017/18-5	ME-VR2	matrix spike dup	7/3/2018	Pesticide	Dieldrin	n/a	=	0.0864	µg/L	EPA 608	0.0021	0.01			
2017/18-5	ME-VR2	matrix spike dup, rec	7/3/2018	Pesticide	Dieldrin	n/a	=	86	%	EPA 608	-88	-88	27	132	
2017/18-5	ME-VR2	matrix spike, RPD	7/3/2018	Pesticide	Dieldrin	n/a	=	5	%	EPA 608	-88	-88	0	30	
2017/18-5	000NONPJ	matrix spike	7/3/2018	Pesticide	Dimethoate	n/a	=	0.0685	µg/L	EPA 525.2m	0.0062	0.01			
2017/18-5	000NONPJ	matrix spike, rec	7/3/2018	Pesticide	Dimethoate	n/a	=	137	%	EPA 525.2m	-88	-88	4	222	
2017/18-5	000NONPJ	matrix spike dup	7/3/2018	Pesticide	Dimethoate	n/a	=	0.051	µg/L	EPA 525.2m	0.0062	0.01			
2017/18-5	000NONPJ	matrix spike dup, rec	7/3/2018	Pesticide	Dimethoate	n/a	=	102	%	EPA 525.2m	-88	-88	4	222	
2017/18-5	000NONPJ	matrix spike, RPD	7/3/2018	Pesticide	Dimethoate	n/a	=	29	%	EPA 525.2m	-88	-88	0	30	
2017/18-5	Lab	method blank	6/6/2018	Pesticide	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2017/18-5	Lab	LCS	6/6/2018	Pesticide	Dimethoate	n/a	=	3.88	µg/L	EPA 525.2	0.024	0.2			
2017/18-5	Lab	LCS, rec	6/6/2018	Pesticide	Dimethoate	n/a	=	78	%	EPA 525.2	-88	-88	50	120	
2017/18-5	Lab	LCS dup	6/6/2018	Pesticide	Dimethoate	n/a	=	4.09	µg/L	EPA 525.2	0.024	0.2			
2017/18-5	Lab	LCS dup, rec	6/6/2018	Pesticide	Dimethoate	n/a	=	82	%	EPA 525.2	-88	-88	50	120	
2017/18-5	Lab	LCS, RPD	6/6/2018	Pesticide	Dimethoate	n/a	=	5	%	EPA 525.2	-88	-88	0	30	
2017/18-5	Lab	method blank	6/13/2018	Pesticide	Dimethoate	n/a	DNQ	0.0074	µg/L	EPA 525.2m	0.0062	0.01			IP
2017/18-5	Lab	LCS	6/13/2018	Pesticide	Dimethoate	n/a	=	0.0508	µg/L	EPA 525.2m	0.0062	0.01			
2017/18-5	Lab	LCS, rec	6/13/2018	Pesticide	Dimethoate	n/a	=	102	%	EPA 525.2m	-88	-88	10	234	
2017/18-5	Lab	method blank	6/14/2018	Pesticide	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2017/18-5	Lab	LCS	6/14/2018	Pesticide	Dimethoate	n/a	=	2.82	µg/L	EPA 525.2	0.024	0.2			
2017/18-5	Lab	LCS, rec	6/14/2018	Pesticide	Dimethoate	n/a	=	56	%	EPA 525.2	-88	-88	50	120	
2017/18-5	Lab	LCS dup	6/14/2018	Pesticide	Dimethoate	n/a	=	2.92	µg/L	EPA 525.2	0.024	0.2			
2017/18-5	Lab	LCS dup, rec	6/14/2018	Pesticide	Dimethoate	n/a	=	58	%	EPA 525.2	-88	-88	50	120	
2017/18-5	Lab	LCS, RPD	6/14/2018	Pesticide	Dimethoate	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2017/18-5	Lab	method blank	6/18/2018	Pesticide	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01			
2017/18-5	Lab	LCS	6/18/2018	Pesticide	Dimethoate	n/a	=	0.0468	µg/L	EPA 525.2m	0.0062	0.01			
2017/18-5	Lab	LCS, rec	6/18/2018	Pesticide	Dimethoate	n/a	=	94	%	EPA 525.2m	-88	-88	10	234	
2017/18-5	Lab	LCS dup	6/18/2018	Pesticide	Dimethoate	n/a	=	0.0412	µg/L	EPA 525.2m	0.0062	0.01			
2017/18-5	Lab	LCS dup, rec	6/18/2018	Pesticide	Dimethoate	n/a	=	82	%	EPA 525.2m	-88	-88	10	234	
2017/18-5	Lab	LCS, RPD	6/18/2018	Pesticide	Dimethoate	n/a	=	13	%	EPA 525.2m	-88	-88	0	30	
2017/18-5	Lab	method blank	6/29/2018	Pesticide	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	LCS	6/29/2018	Pesticide	Dimethoate	n/a	=	3.69	µg/L	EPA 525.2	0.024	0.2			
2017/18-5	Lab	LCS, rec	6/29/2018	Pesticide	Dimethoate	n/a	=	74	%	EPA 525.2	-88	-88	50	120	
2017/18-5	Lab	LCS dup	6/29/2018	Pesticide	Dimethoate	n/a	=	3.81	µg/L	EPA 525.2	0.024	0.2			
2017/18-5	Lab	LCS dup, rec	6/29/2018	Pesticide	Dimethoate	n/a	=	76	%	EPA 525.2	-88	-88	50	120	
2017/18-5	Lab	LCS, RPD	6/29/2018	Pesticide	Dimethoate	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2017/18-5	Lab	method blank	7/2/2018	Pesticide	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2017/18-5	Lab	LCS	7/2/2018	Pesticide	Dimethoate	n/a	=	3.13	µg/L	EPA 525.2	0.024	0.2			
2017/18-5	Lab	LCS, rec	7/2/2018	Pesticide	Dimethoate	n/a	=	63	%	EPA 525.2	-88	-88	50	120	
2017/18-5	Lab	LCS dup	7/2/2018	Pesticide	Dimethoate	n/a	=	3.34	µg/L	EPA 525.2	0.024	0.2			
2017/18-5	Lab	LCS dup, rec	7/2/2018	Pesticide	Dimethoate	n/a	=	67	%	EPA 525.2	-88	-88	50	120	
2017/18-5	Lab	LCS, RPD	7/2/2018	Pesticide	Dimethoate	n/a	=	6	%	EPA 525.2	-88	-88	0	30	
2017/18-5	Lab	method blank	7/3/2018	Pesticide	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01			
2017/18-5	Lab	LCS	7/3/2018	Pesticide	Dimethoate	n/a	=	0.0427	µg/L	EPA 525.2m	0.0062	0.01			
2017/18-5	Lab	LCS, rec	7/3/2018	Pesticide	Dimethoate	n/a	=	85	%	EPA 525.2m	-88	-88	10	234	
2017/18-5	ME-CC	matrix spike dup	6/13/2018	Pesticide	Dimethoate	n/a	=	0.0856	µg/L	EPA 525.2m	0.0062	0.01			
2017/18-5	ME-CC	matrix spike dup, rec	6/13/2018	Pesticide	Dimethoate	n/a	=	171	%	EPA 525.2m	-88	-88	4	222	
2017/18-5	ME-CC	matrix spike, RPD	6/13/2018	Pesticide	Dimethoate	n/a	=	15	%	EPA 525.2m	-88	-88	0	30	
2017/18-5	ME-CC	matrix spike	6/13/2018	Pesticide	Dimethoate	n/a	=	0.0737	µg/L	EPA 525.2m	0.0062	0.01			
2017/18-5	ME-CC	matrix spike, rec	6/13/2018	Pesticide	Dimethoate	n/a	=	147	%	EPA 525.2m	-88	-88	4	222	
2017/18-5	000NONPJ	matrix spike	6/12/2018	Pesticide	Dinoseb	n/a	=	4.59	µg/L	EPA 515.3	0.14	0.4			
2017/18-5	000NONPJ	matrix spike, rec	6/12/2018	Pesticide	Dinoseb	n/a	=	115	%	EPA 515.3	-88	-88	70	130	
2017/18-5	000NONPJ	matrix spike dup	6/12/2018	Pesticide	Dinoseb	n/a	=	4.66	µg/L	EPA 515.3	0.14	0.4			
2017/18-5	000NONPJ	matrix spike dup, rec	6/12/2018	Pesticide	Dinoseb	n/a	=	117	%	EPA 515.3	-88	-88	70	130	
2017/18-5	000NONPJ	matrix spike, RPD	6/12/2018	Pesticide	Dinoseb	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2017/18-5	Lab	method blank	6/12/2018	Pesticide	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4			
2017/18-5	Lab	LCS	6/12/2018	Pesticide	Dinoseb	n/a	=	4.27	µg/L	EPA 515.3	0.14	0.4			
2017/18-5	Lab	LCS, rec	6/12/2018	Pesticide	Dinoseb	n/a	=	107	%	EPA 515.3	-88	-88	70	130	
2017/18-5	Lab	method blank	6/13/2018	Pesticide	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4			
2017/18-5	Lab	LCS	6/13/2018	Pesticide	Dinoseb	n/a	=	4.25	µg/L	EPA 515.3	0.14	0.4			
2017/18-5	Lab	LCS, rec	6/13/2018	Pesticide	Dinoseb	n/a	=	106	%	EPA 515.3	-88	-88	70	130	
2017/18-5	Lab	method blank	6/28/2018	Pesticide	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4			
2017/18-5	Lab	LCS	6/28/2018	Pesticide	Dinoseb	n/a	=	4.15	µg/L	EPA 515.3	0.14	0.4			
2017/18-5	Lab	LCS, rec	6/28/2018	Pesticide	Dinoseb	n/a	=	104	%	EPA 515.3	-88	-88	70	130	
2017/18-5	ME-SCR	matrix spike	6/13/2018	Pesticide	Dinoseb	n/a	=	4.15	µg/L	EPA 515.3	0.14	0.4			
2017/18-5	ME-SCR	matrix spike, rec	6/13/2018	Pesticide	Dinoseb	n/a	=	104	%	EPA 515.3	-88	-88	70	130	
2017/18-5	ME-SCR	matrix spike dup	6/13/2018	Pesticide	Dinoseb	n/a	=	4.28	µg/L	EPA 515.3	0.14	0.4			
2017/18-5	ME-SCR	matrix spike dup, rec	6/13/2018	Pesticide	Dinoseb	n/a	=	107	%	EPA 515.3	-88	-88	70	130	
2017/18-5	ME-SCR	matrix spike, RPD	6/13/2018	Pesticide	Dinoseb	n/a	=	3	%	EPA 515.3	-88	-88	0	30	
2017/18-5	ME-VR2	matrix spike	6/28/2018	Pesticide	Dinoseb	n/a	=	4.09	µg/L	EPA 515.3	0.14	0.4			
2017/18-5	ME-VR2	matrix spike, rec	6/28/2018	Pesticide	Dinoseb	n/a	=	102	%	EPA 515.3	-88	-88	70	130	
2017/18-5	ME-VR2	matrix spike dup	6/28/2018	Pesticide	Dinoseb	n/a	=	4.18	µg/L	EPA 515.3	0.14	0.4			
2017/18-5	ME-VR2	matrix spike dup, rec	6/28/2018	Pesticide	Dinoseb	n/a	=	104	%	EPA 515.3	-88	-88	70	130	
2017/18-5	ME-VR2	matrix spike, RPD	6/28/2018	Pesticide	Dinoseb	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2017/18-5	MO-OJA	matrix spike	6/28/2018	Pesticide	Dinoseb	n/a	=	4.01	µg/L	EPA 515.3	0.14	0.4			
2017/18-5	MO-OJA	matrix spike, rec	6/28/2018	Pesticide	Dinoseb	n/a	=	100	%	EPA 515.3	-88	-88	70	130	
2017/18-5	MO-OJA	matrix spike dup	6/28/2018	Pesticide	Dinoseb	n/a	=	4.07	µg/L	EPA 515.3	0.14	0.4			
2017/18-5	MO-OJA	matrix spike dup, rec	6/28/2018	Pesticide	Dinoseb	n/a	=	102	%	EPA 515.3	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	MO-OJA	matrix spike, RPD	6/28/2018	Pesticide	Dinoseb	n/a	=	1	%	EPA 515.3	-88	-88	0	30	
2017/18-5	Lab	method blank	6/6/2018	Pesticide	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2017/18-5	Lab	LCS	6/6/2018	Pesticide	Diphenamid	n/a	=	5.17	µg/L	EPA 525.2	0.024	0.1			
2017/18-5	Lab	LCS, rec	6/6/2018	Pesticide	Diphenamid	n/a	=	103	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS dup	6/6/2018	Pesticide	Diphenamid	n/a	=	5.45	µg/L	EPA 525.2	0.024	0.1			
2017/18-5	Lab	LCS dup, rec	6/6/2018	Pesticide	Diphenamid	n/a	=	109	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS, RPD	6/6/2018	Pesticide	Diphenamid	n/a	=	5	%	EPA 525.2	-88	-88	0	30	
2017/18-5	Lab	method blank	6/14/2018	Pesticide	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2017/18-5	Lab	LCS	6/14/2018	Pesticide	Diphenamid	n/a	=	5.34	µg/L	EPA 525.2	0.024	0.1			
2017/18-5	Lab	LCS, rec	6/14/2018	Pesticide	Diphenamid	n/a	=	107	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS dup	6/14/2018	Pesticide	Diphenamid	n/a	=	5.08	µg/L	EPA 525.2	0.024	0.1			
2017/18-5	Lab	LCS dup, rec	6/14/2018	Pesticide	Diphenamid	n/a	=	102	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS, RPD	6/14/2018	Pesticide	Diphenamid	n/a	=	5	%	EPA 525.2	-88	-88	0	30	
2017/18-5	Lab	method blank	6/29/2018	Pesticide	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2017/18-5	Lab	LCS	6/29/2018	Pesticide	Diphenamid	n/a	=	5.33	µg/L	EPA 525.2	0.024	0.1			
2017/18-5	Lab	LCS, rec	6/29/2018	Pesticide	Diphenamid	n/a	=	107	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS dup	6/29/2018	Pesticide	Diphenamid	n/a	=	5.25	µg/L	EPA 525.2	0.024	0.1			
2017/18-5	Lab	LCS dup, rec	6/29/2018	Pesticide	Diphenamid	n/a	=	105	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS, RPD	6/29/2018	Pesticide	Diphenamid	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2017/18-5	Lab	method blank	7/2/2018	Pesticide	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2017/18-5	Lab	LCS	7/2/2018	Pesticide	Diphenamid	n/a	=	5.16	µg/L	EPA 525.2	0.024	0.1			
2017/18-5	Lab	LCS, rec	7/2/2018	Pesticide	Diphenamid	n/a	=	103	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS dup	7/2/2018	Pesticide	Diphenamid	n/a	=	5.24	µg/L	EPA 525.2	0.024	0.1			
2017/18-5	Lab	LCS dup, rec	7/2/2018	Pesticide	Diphenamid	n/a	=	105	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS, RPD	7/2/2018	Pesticide	Diphenamid	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2017/18-5	000NONPJ	matrix spike	7/3/2018	Pesticide	Disulfoton	n/a	=	0.0323	µg/L	EPA 525.2m	0.01	0.01			
2017/18-5	000NONPJ	matrix spike, rec	7/3/2018	Pesticide	Disulfoton	n/a	=	65	%	EPA 525.2m	-88	-88	12	199	
2017/18-5	000NONPJ	matrix spike dup	7/3/2018	Pesticide	Disulfoton	n/a	=	0.0306	µg/L	EPA 525.2m	0.01	0.01			
2017/18-5	000NONPJ	matrix spike dup, rec	7/3/2018	Pesticide	Disulfoton	n/a	=	61	%	EPA 525.2m	-88	-88	12	199	
2017/18-5	000NONPJ	matrix spike, RPD	7/3/2018	Pesticide	Disulfoton	n/a	=	5	%	EPA 525.2m	-88	-88	0	30	
2017/18-5	Lab	method blank	6/6/2018	Pesticide	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1			
2017/18-5	Lab	LCS	6/6/2018	Pesticide	Disulfoton	n/a	=	4.14	µg/L	EPA 525.2	0.031	0.1			
2017/18-5	Lab	LCS, rec	6/6/2018	Pesticide	Disulfoton	n/a	=	83	%	EPA 525.2	-88	-88	50	120	
2017/18-5	Lab	LCS dup	6/6/2018	Pesticide	Disulfoton	n/a	=	4.49	µg/L	EPA 525.2	0.031	0.1			
2017/18-5	Lab	LCS dup, rec	6/6/2018	Pesticide	Disulfoton	n/a	=	90	%	EPA 525.2	-88	-88	50	120	
2017/18-5	Lab	LCS, RPD	6/6/2018	Pesticide	Disulfoton	n/a	=	8	%	EPA 525.2	-88	-88	0	30	
2017/18-5	Lab	method blank	6/13/2018	Pesticide	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2017/18-5	Lab	LCS	6/13/2018	Pesticide	Disulfoton	n/a	=	0.0262	µg/L	EPA 525.2m	0.01	0.01			
2017/18-5	Lab	LCS, rec	6/13/2018	Pesticide	Disulfoton	n/a	=	52	%	EPA 525.2m	-88	-88	0.1	212	
2017/18-5	Lab	method blank	6/14/2018	Pesticide	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1			
2017/18-5	Lab	LCS	6/14/2018	Pesticide	Disulfoton	n/a	=	4.42	µg/L	EPA 525.2	0.031	0.1			
2017/18-5	Lab	LCS, rec	6/14/2018	Pesticide	Disulfoton	n/a	=	88	%	EPA 525.2	-88	-88	50	120	
2017/18-5	Lab	LCS dup	6/14/2018	Pesticide	Disulfoton	n/a	=	4.53	µg/L	EPA 525.2	0.031	0.1			
2017/18-5	Lab	LCS dup, rec	6/14/2018	Pesticide	Disulfoton	n/a	=	91	%	EPA 525.2	-88	-88	50	120	
2017/18-5	Lab	LCS, RPD	6/14/2018	Pesticide	Disulfoton	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2017/18-5	Lab	method blank	6/18/2018	Pesticide	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2017/18-5	Lab	LCS	6/18/2018	Pesticide	Disulfoton	n/a	=	0.0343	µg/L	EPA 525.2m	0.01	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	LCS, rec	6/18/2018	Pesticide	Disulfoton	n/a	=	69	%	EPA 525.2m	-88	-88	0.1	212	
2017/18-5	Lab	LCS dup	6/18/2018	Pesticide	Disulfoton	n/a	=	0.0323	µg/L	EPA 525.2m	0.01	0.01			
2017/18-5	Lab	LCS dup, rec	6/18/2018	Pesticide	Disulfoton	n/a	=	65	%	EPA 525.2m	-88	-88	0.1	212	
2017/18-5	Lab	LCS, RPD	6/18/2018	Pesticide	Disulfoton	n/a	=	6	%	EPA 525.2m	-88	-88	0	30	
2017/18-5	Lab	method blank	6/29/2018	Pesticide	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1			
2017/18-5	Lab	LCS	6/29/2018	Pesticide	Disulfoton	n/a	=	4.41	µg/L	EPA 525.2	0.031	0.1			
2017/18-5	Lab	LCS, rec	6/29/2018	Pesticide	Disulfoton	n/a	=	88	%	EPA 525.2	-88	-88	50	120	
2017/18-5	Lab	LCS dup	6/29/2018	Pesticide	Disulfoton	n/a	=	4.58	µg/L	EPA 525.2	0.031	0.1			
2017/18-5	Lab	LCS dup, rec	6/29/2018	Pesticide	Disulfoton	n/a	=	92	%	EPA 525.2	-88	-88	50	120	
2017/18-5	Lab	LCS, RPD	6/29/2018	Pesticide	Disulfoton	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2017/18-5	Lab	method blank	7/2/2018	Pesticide	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1			
2017/18-5	Lab	LCS	7/2/2018	Pesticide	Disulfoton	n/a	=	4.42	µg/L	EPA 525.2	0.031	0.1			
2017/18-5	Lab	LCS, rec	7/2/2018	Pesticide	Disulfoton	n/a	=	88	%	EPA 525.2	-88	-88	50	120	
2017/18-5	Lab	LCS dup	7/2/2018	Pesticide	Disulfoton	n/a	=	4.41	µg/L	EPA 525.2	0.031	0.1			
2017/18-5	Lab	LCS dup, rec	7/2/2018	Pesticide	Disulfoton	n/a	=	88	%	EPA 525.2	-88	-88	50	120	
2017/18-5	Lab	LCS, RPD	7/2/2018	Pesticide	Disulfoton	n/a	=	0.2	%	EPA 525.2	-88	-88	0	30	
2017/18-5	Lab	method blank	7/3/2018	Pesticide	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2017/18-5	Lab	LCS	7/3/2018	Pesticide	Disulfoton	n/a	=	0.0175	µg/L	EPA 525.2m	0.01	0.01			
2017/18-5	Lab	LCS, rec	7/3/2018	Pesticide	Disulfoton	n/a	=	35	%	EPA 525.2m	-88	-88	0.1	212	
2017/18-5	ME-CC	matrix spike dup	6/13/2018	Pesticide	Disulfoton	n/a	=	0.0531	µg/L	EPA 525.2m	0.01	0.01			
2017/18-5	ME-CC	matrix spike dup, rec	6/13/2018	Pesticide	Disulfoton	n/a	=	106	%	EPA 525.2m	-88	-88	12	199	
2017/18-5	ME-CC	matrix spike, RPD	6/13/2018	Pesticide	Disulfoton	n/a	=	17	%	EPA 525.2m	-88	-88	0	30	
2017/18-5	ME-CC	matrix spike	6/13/2018	Pesticide	Disulfoton	n/a	=	0.0448	µg/L	EPA 525.2m	0.01	0.01			
2017/18-5	ME-CC	matrix spike, rec	6/13/2018	Pesticide	Disulfoton	n/a	=	90	%	EPA 525.2m	-88	-88	12	199	
2017/18-5	000NONPJ	matrix spike	6/11/2018	Pesticide	Endosulfan I	n/a	=	0.0674	µg/L	EPA 608	0.0017	0.02			
2017/18-5	000NONPJ	matrix spike, rec	6/11/2018	Pesticide	Endosulfan I	n/a	=	67	%	EPA 608	-88	-88	0.1	140	
2017/18-5	000NONPJ	matrix spike dup	6/11/2018	Pesticide	Endosulfan I	n/a	=	0.0737	µg/L	EPA 608	0.0017	0.02			
2017/18-5	000NONPJ	matrix spike dup, rec	6/11/2018	Pesticide	Endosulfan I	n/a	=	74	%	EPA 608	-88	-88	0.1	140	
2017/18-5	000NONPJ	matrix spike, RPD	6/11/2018	Pesticide	Endosulfan I	n/a	=	9	%	EPA 608	-88	-88	0	30	
2017/18-5	000NONPJ	matrix spike	6/12/2018	Pesticide	Endosulfan I	n/a	=	0.0841	µg/L	EPA 608	0.0017	0.02			
2017/18-5	000NONPJ	matrix spike, rec	6/12/2018	Pesticide	Endosulfan I	n/a	=	84	%	EPA 608	-88	-88	0.1	140	
2017/18-5	000NONPJ	matrix spike dup	6/12/2018	Pesticide	Endosulfan I	n/a	=	0.0804	µg/L	EPA 608	0.0017	0.02			
2017/18-5	000NONPJ	matrix spike dup, rec	6/12/2018	Pesticide	Endosulfan I	n/a	=	80	%	EPA 608	-88	-88	0.1	140	
2017/18-5	000NONPJ	matrix spike, RPD	6/12/2018	Pesticide	Endosulfan I	n/a	=	5	%	EPA 608	-88	-88	0	30	
2017/18-5	Lab	method blank	6/11/2018	Pesticide	Endosulfan I	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.02			
2017/18-5	Lab	LCS	6/11/2018	Pesticide	Endosulfan I	n/a	=	0.0823	µg/L	EPA 608	0.0017	0.02			
2017/18-5	Lab	LCS, rec	6/11/2018	Pesticide	Endosulfan I	n/a	=	82	%	EPA 608	-88	-88	14	131	
2017/18-5	Lab	method blank	6/12/2018	Pesticide	Endosulfan I	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.02			
2017/18-5	Lab	LCS	6/12/2018	Pesticide	Endosulfan I	n/a	=	0.0824	µg/L	EPA 608	0.0017	0.02			
2017/18-5	Lab	LCS, rec	6/12/2018	Pesticide	Endosulfan I	n/a	=	82	%	EPA 608	-88	-88	14	131	
2017/18-5	Lab	method blank	6/19/2018	Pesticide	Endosulfan I	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.02			
2017/18-5	Lab	LCS	6/19/2018	Pesticide	Endosulfan I	n/a	=	0.0901	µg/L	EPA 608	0.0017	0.02			
2017/18-5	Lab	LCS, rec	6/19/2018	Pesticide	Endosulfan I	n/a	=	90	%	EPA 608	-88	-88	14	131	
2017/18-5	Lab	method blank	7/3/2018	Pesticide	Endosulfan I	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.02			
2017/18-5	Lab	LCS	7/3/2018	Pesticide	Endosulfan I	n/a	=	0.0852	µg/L	EPA 608	0.0017	0.02			
2017/18-5	Lab	LCS, rec	7/3/2018	Pesticide	Endosulfan I	n/a	=	85	%	EPA 608	-88	-88	14	131	
2017/18-5	ME-VR2	matrix spike	7/3/2018	Pesticide	Endosulfan I	n/a	=	0.081	µg/L	EPA 608	0.0017	0.02			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	ME-VR2	matrix spike, rec	7/3/2018	Pesticide	Endosulfan I	n/a	=	81	%	EPA 608	-88	-88	0.1	140	
2017/18-5	ME-VR2	matrix spike dup	7/3/2018	Pesticide	Endosulfan I	n/a	=	0.0778	µg/L	EPA 608	0.0017	0.02			
2017/18-5	ME-VR2	matrix spike dup, rec	7/3/2018	Pesticide	Endosulfan I	n/a	=	78	%	EPA 608	-88	-88	0.1	140	
2017/18-5	ME-VR2	matrix spike, RPD	7/3/2018	Pesticide	Endosulfan I	n/a	=	4	%	EPA 608	-88	-88	0	30	
2017/18-5	000NONPJ	matrix spike	6/11/2018	Pesticide	Endosulfan II	n/a	=	0.0725	µg/L	EPA 608	0.0019	0.01			
2017/18-5	000NONPJ	matrix spike, rec	6/11/2018	Pesticide	Endosulfan II	n/a	=	72	%	EPA 608	-88	-88	17	122	
2017/18-5	000NONPJ	matrix spike dup	6/11/2018	Pesticide	Endosulfan II	n/a	=	0.0791	µg/L	EPA 608	0.0019	0.01			
2017/18-5	000NONPJ	matrix spike dup, rec	6/11/2018	Pesticide	Endosulfan II	n/a	=	79	%	EPA 608	-88	-88	17	122	
2017/18-5	000NONPJ	matrix spike, RPD	6/11/2018	Pesticide	Endosulfan II	n/a	=	9	%	EPA 608	-88	-88	0	30	
2017/18-5	000NONPJ	matrix spike	6/12/2018	Pesticide	Endosulfan II	n/a	=	0.0595	µg/L	EPA 608	0.0019	0.01			
2017/18-5	000NONPJ	matrix spike, rec	6/12/2018	Pesticide	Endosulfan II	n/a	=	59	%	EPA 608	-88	-88	17	122	
2017/18-5	000NONPJ	matrix spike dup	6/12/2018	Pesticide	Endosulfan II	n/a	=	0.0612	µg/L	EPA 608	0.0019	0.01			
2017/18-5	000NONPJ	matrix spike dup, rec	6/12/2018	Pesticide	Endosulfan II	n/a	=	61	%	EPA 608	-88	-88	17	122	
2017/18-5	000NONPJ	matrix spike, RPD	6/12/2018	Pesticide	Endosulfan II	n/a	=	3	%	EPA 608	-88	-88	0	30	
2017/18-5	Lab	method blank	6/11/2018	Pesticide	Endosulfan II	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01			
2017/18-5	Lab	LCS	6/11/2018	Pesticide	Endosulfan II	n/a	=	0.0866	µg/L	EPA 608	0.0019	0.01			
2017/18-5	Lab	LCS, rec	6/11/2018	Pesticide	Endosulfan II	n/a	=	87	%	EPA 608	-88	-88	40	121	
2017/18-5	Lab	method blank	6/12/2018	Pesticide	Endosulfan II	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01			
2017/18-5	Lab	LCS	6/12/2018	Pesticide	Endosulfan II	n/a	=	0.0852	µg/L	EPA 608	0.0019	0.01			
2017/18-5	Lab	LCS, rec	6/12/2018	Pesticide	Endosulfan II	n/a	=	85	%	EPA 608	-88	-88	40	121	
2017/18-5	Lab	method blank	6/19/2018	Pesticide	Endosulfan II	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01			
2017/18-5	Lab	LCS	6/19/2018	Pesticide	Endosulfan II	n/a	=	0.0933	µg/L	EPA 608	0.0019	0.01			
2017/18-5	Lab	LCS, rec	6/19/2018	Pesticide	Endosulfan II	n/a	=	93	%	EPA 608	-88	-88	40	121	
2017/18-5	Lab	method blank	7/3/2018	Pesticide	Endosulfan II	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01			
2017/18-5	Lab	LCS	7/3/2018	Pesticide	Endosulfan II	n/a	=	0.0827	µg/L	EPA 608	0.0019	0.01			
2017/18-5	Lab	LCS, rec	7/3/2018	Pesticide	Endosulfan II	n/a	=	83	%	EPA 608	-88	-88	40	121	
2017/18-5	ME-VR2	matrix spike	7/3/2018	Pesticide	Endosulfan II	n/a	=	0.0861	µg/L	EPA 608	0.0019	0.01			
2017/18-5	ME-VR2	matrix spike, rec	7/3/2018	Pesticide	Endosulfan II	n/a	=	86	%	EPA 608	-88	-88	17	122	
2017/18-5	ME-VR2	matrix spike dup	7/3/2018	Pesticide	Endosulfan II	n/a	=	0.0816	µg/L	EPA 608	0.0019	0.01			
2017/18-5	ME-VR2	matrix spike dup, rec	7/3/2018	Pesticide	Endosulfan II	n/a	=	82	%	EPA 608	-88	-88	17	122	
2017/18-5	ME-VR2	matrix spike, RPD	7/3/2018	Pesticide	Endosulfan II	n/a	=	5	%	EPA 608	-88	-88	0	30	
2017/18-5	000NONPJ	matrix spike	6/11/2018	Pesticide	Endosulfan sulfate	n/a	=	0.12	µg/L	EPA 608	0.008	0.05			
2017/18-5	000NONPJ	matrix spike, rec	6/11/2018	Pesticide	Endosulfan sulfate	n/a	=	120	%	EPA 608	-88	-88	37	131	
2017/18-5	000NONPJ	matrix spike dup	6/11/2018	Pesticide	Endosulfan sulfate	n/a	=	0.133	µg/L	EPA 608	0.008	0.05			GB
2017/18-5	000NONPJ	matrix spike dup, rec	6/11/2018	Pesticide	Endosulfan sulfate	n/a	=	133	%	EPA 608	-88	-88	37	131	GB
2017/18-5	000NONPJ	matrix spike, RPD	6/11/2018	Pesticide	Endosulfan sulfate	n/a	=	10	%	EPA 608	-88	-88	0	30	
2017/18-5	000NONPJ	matrix spike	6/12/2018	Pesticide	Endosulfan sulfate	n/a	=	0.0572	µg/L	EPA 608	0.008	0.05			
2017/18-5	000NONPJ	matrix spike, rec	6/12/2018	Pesticide	Endosulfan sulfate	n/a	=	57	%	EPA 608	-88	-88	37	131	
2017/18-5	000NONPJ	matrix spike dup	6/12/2018	Pesticide	Endosulfan sulfate	n/a	=	0.0597	µg/L	EPA 608	0.008	0.05			
2017/18-5	000NONPJ	matrix spike dup, rec	6/12/2018	Pesticide	Endosulfan sulfate	n/a	=	60	%	EPA 608	-88	-88	37	131	
2017/18-5	000NONPJ	matrix spike, RPD	6/12/2018	Pesticide	Endosulfan sulfate	n/a	=	4	%	EPA 608	-88	-88	0	30	
2017/18-5	Lab	method blank	6/11/2018	Pesticide	Endosulfan sulfate	n/a	<	0.008	µg/L	EPA 608	0.008	0.05			
2017/18-5	Lab	LCS	6/11/2018	Pesticide	Endosulfan sulfate	n/a	=	0.143	µg/L	EPA 608	0.008	0.05			EUM
2017/18-5	Lab	LCS, rec	6/11/2018	Pesticide	Endosulfan sulfate	n/a	=	143	%	EPA 608	-88	-88	44	140	EUM
2017/18-5	Lab	method blank	6/12/2018	Pesticide	Endosulfan sulfate	n/a	<	0.008	µg/L	EPA 608	0.008	0.05			
2017/18-5	Lab	LCS	6/12/2018	Pesticide	Endosulfan sulfate	n/a	=	0.137	µg/L	EPA 608	0.008	0.05			
2017/18-5	Lab	LCS, rec	6/12/2018	Pesticide	Endosulfan sulfate	n/a	=	137	%	EPA 608	-88	-88	44	140	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	method blank	6/19/2018	Pesticide	Endosulfan sulfate	n/a	<	0.008	µg/L	EPA 608	0.008	0.05			
2017/18-5	Lab	LCS	6/19/2018	Pesticide	Endosulfan sulfate	n/a	=	0.137	µg/L	EPA 608	0.008	0.05			
2017/18-5	Lab	LCS, rec	6/19/2018	Pesticide	Endosulfan sulfate	n/a	=	137	%	EPA 608	-88	-88	44	140	
2017/18-5	Lab	method blank	7/3/2018	Pesticide	Endosulfan sulfate	n/a	<	0.008	µg/L	EPA 608	0.008	0.05			
2017/18-5	Lab	LCS	7/3/2018	Pesticide	Endosulfan sulfate	n/a	=	0.119	µg/L	EPA 608	0.008	0.05			
2017/18-5	Lab	LCS, rec	7/3/2018	Pesticide	Endosulfan sulfate	n/a	=	119	%	EPA 608	-88	-88	44	140	
2017/18-5	ME-VR2	matrix spike	7/3/2018	Pesticide	Endosulfan sulfate	n/a	=	0.104	µg/L	EPA 608	0.008	0.05			
2017/18-5	ME-VR2	matrix spike, rec	7/3/2018	Pesticide	Endosulfan sulfate	n/a	=	104	%	EPA 608	-88	-88	37	131	
2017/18-5	ME-VR2	matrix spike dup	7/3/2018	Pesticide	Endosulfan sulfate	n/a	=	0.103	µg/L	EPA 608	0.008	0.05			
2017/18-5	ME-VR2	matrix spike dup, rec	7/3/2018	Pesticide	Endosulfan sulfate	n/a	=	103	%	EPA 608	-88	-88	37	131	
2017/18-5	ME-VR2	matrix spike, RPD	7/3/2018	Pesticide	Endosulfan sulfate	n/a	=	2	%	EPA 608	-88	-88	0	30	
2017/18-5	000NONPJ	matrix spike	6/11/2018	Pesticide	Endrin	n/a	=	0.0764	µg/L	EPA 608	0.0028	0.01			
2017/18-5	000NONPJ	matrix spike, rec	6/11/2018	Pesticide	Endrin	n/a	=	76	%	EPA 608	-88	-88	42	144	
2017/18-5	000NONPJ	matrix spike dup	6/11/2018	Pesticide	Endrin	n/a	=	0.0827	µg/L	EPA 608	0.0028	0.01			
2017/18-5	000NONPJ	matrix spike dup, rec	6/11/2018	Pesticide	Endrin	n/a	=	83	%	EPA 608	-88	-88	42	144	
2017/18-5	000NONPJ	matrix spike, RPD	6/11/2018	Pesticide	Endrin	n/a	=	8	%	EPA 608	-88	-88	0	30	
2017/18-5	000NONPJ	matrix spike	6/12/2018	Pesticide	Endrin	n/a	=	0.0714	µg/L	EPA 608	0.0028	0.01			
2017/18-5	000NONPJ	matrix spike, rec	6/12/2018	Pesticide	Endrin	n/a	=	71	%	EPA 608	-88	-88	42	144	
2017/18-5	000NONPJ	matrix spike dup	6/12/2018	Pesticide	Endrin	n/a	=	0.0741	µg/L	EPA 608	0.0028	0.01			
2017/18-5	000NONPJ	matrix spike dup, rec	6/12/2018	Pesticide	Endrin	n/a	=	74	%	EPA 608	-88	-88	42	144	
2017/18-5	000NONPJ	matrix spike, RPD	6/12/2018	Pesticide	Endrin	n/a	=	4	%	EPA 608	-88	-88	0	30	
2017/18-5	Lab	method blank	6/11/2018	Pesticide	Endrin	n/a	<	0.0028	µg/L	EPA 608	0.0028	0.01			
2017/18-5	Lab	LCS	6/11/2018	Pesticide	Endrin	n/a	=	0.0877	µg/L	EPA 608	0.0028	0.01			
2017/18-5	Lab	LCS, rec	6/11/2018	Pesticide	Endrin	n/a	=	88	%	EPA 608	-88	-88	40	143	
2017/18-5	Lab	method blank	6/12/2018	Pesticide	Endrin	n/a	<	0.0028	µg/L	EPA 608	0.0028	0.01			
2017/18-5	Lab	LCS	6/12/2018	Pesticide	Endrin	n/a	=	0.0839	µg/L	EPA 608	0.0028	0.01			
2017/18-5	Lab	LCS, rec	6/12/2018	Pesticide	Endrin	n/a	=	84	%	EPA 608	-88	-88	40	143	
2017/18-5	Lab	method blank	6/19/2018	Pesticide	Endrin	n/a	<	0.0028	µg/L	EPA 608	0.0028	0.01			
2017/18-5	Lab	LCS	6/19/2018	Pesticide	Endrin	n/a	=	0.0871	µg/L	EPA 608	0.0028	0.01			
2017/18-5	Lab	LCS, rec	6/19/2018	Pesticide	Endrin	n/a	=	87	%	EPA 608	-88	-88	40	143	
2017/18-5	Lab	method blank	7/3/2018	Pesticide	Endrin	n/a	<	0.0028	µg/L	EPA 608	0.0028	0.01			
2017/18-5	Lab	LCS	7/3/2018	Pesticide	Endrin	n/a	=	0.088	µg/L	EPA 608	0.0028	0.01			
2017/18-5	Lab	LCS, rec	7/3/2018	Pesticide	Endrin	n/a	=	88	%	EPA 608	-88	-88	40	143	
2017/18-5	ME-VR2	matrix spike	7/3/2018	Pesticide	Endrin	n/a	=	0.0914	µg/L	EPA 608	0.0028	0.01			
2017/18-5	ME-VR2	matrix spike, rec	7/3/2018	Pesticide	Endrin	n/a	=	91	%	EPA 608	-88	-88	42	144	
2017/18-5	ME-VR2	matrix spike dup	7/3/2018	Pesticide	Endrin	n/a	=	0.0856	µg/L	EPA 608	0.0028	0.01			
2017/18-5	ME-VR2	matrix spike dup, rec	7/3/2018	Pesticide	Endrin	n/a	=	86	%	EPA 608	-88	-88	42	144	
2017/18-5	ME-VR2	matrix spike, RPD	7/3/2018	Pesticide	Endrin	n/a	=	7	%	EPA 608	-88	-88	0	30	
2017/18-5	000NONPJ	matrix spike	6/11/2018	Pesticide	Endrin aldehyde	n/a	=	0.0768	µg/L	EPA 608	0.003	0.01			
2017/18-5	000NONPJ	matrix spike, rec	6/11/2018	Pesticide	Endrin aldehyde	n/a	=	77	%	EPA 608	-88	-88	11	113	
2017/18-5	000NONPJ	matrix spike dup	6/11/2018	Pesticide	Endrin aldehyde	n/a	=	0.0903	µg/L	EPA 608	0.003	0.01			
2017/18-5	000NONPJ	matrix spike dup, rec	6/11/2018	Pesticide	Endrin aldehyde	n/a	=	90	%	EPA 608	-88	-88	11	113	
2017/18-5	000NONPJ	matrix spike, RPD	6/11/2018	Pesticide	Endrin aldehyde	n/a	=	16	%	EPA 608	-88	-88	0	30	
2017/18-5	000NONPJ	matrix spike	6/12/2018	Pesticide	Endrin aldehyde	n/a	=	0.043	µg/L	EPA 608	0.003	0.01			
2017/18-5	000NONPJ	matrix spike, rec	6/12/2018	Pesticide	Endrin aldehyde	n/a	=	43	%	EPA 608	-88	-88	11	113	
2017/18-5	000NONPJ	matrix spike dup	6/12/2018	Pesticide	Endrin aldehyde	n/a	=	0.0464	µg/L	EPA 608	0.003	0.01			
2017/18-5	000NONPJ	matrix spike dup, rec	6/12/2018	Pesticide	Endrin aldehyde	n/a	=	46	%	EPA 608	-88	-88	11	113	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	000NONPJ	matrix spike, RPD	6/12/2018	Pesticide	Endrin aldehyde	n/a	=	8	%	EPA 608	-88	-88	0	30	
2017/18-5	Lab	method blank	6/11/2018	Pesticide	Endrin aldehyde	n/a	<	0.003	µg/L	EPA 608	0.003	0.01			
2017/18-5	Lab	LCS	6/11/2018	Pesticide	Endrin aldehyde	n/a	=	0.104	µg/L	EPA 608	0.003	0.01			
2017/18-5	Lab	LCS, rec	6/11/2018	Pesticide	Endrin aldehyde	n/a	=	104	%	EPA 608	-88	-88	18	136	
2017/18-5	Lab	method blank	6/12/2018	Pesticide	Endrin aldehyde	n/a	<	0.003	µg/L	EPA 608	0.003	0.01			
2017/18-5	Lab	LCS	6/12/2018	Pesticide	Endrin aldehyde	n/a	=	0.0981	µg/L	EPA 608	0.003	0.01			
2017/18-5	Lab	LCS, rec	6/12/2018	Pesticide	Endrin aldehyde	n/a	=	98	%	EPA 608	-88	-88	18	136	
2017/18-5	Lab	method blank	6/19/2018	Pesticide	Endrin aldehyde	n/a	<	0.003	µg/L	EPA 608	0.003	0.01			
2017/18-5	Lab	LCS	6/19/2018	Pesticide	Endrin aldehyde	n/a	=	0.12	µg/L	EPA 608	0.003	0.01			
2017/18-5	Lab	LCS, rec	6/19/2018	Pesticide	Endrin aldehyde	n/a	=	120	%	EPA 608	-88	-88	18	136	
2017/18-5	Lab	method blank	7/3/2018	Pesticide	Endrin aldehyde	n/a	<	0.003	µg/L	EPA 608	0.003	0.01			
2017/18-5	Lab	LCS	7/3/2018	Pesticide	Endrin aldehyde	n/a	=	0.101	µg/L	EPA 608	0.003	0.01			
2017/18-5	Lab	LCS, rec	7/3/2018	Pesticide	Endrin aldehyde	n/a	=	101	%	EPA 608	-88	-88	18	136	
2017/18-5	ME-VR2	matrix spike	7/3/2018	Pesticide	Endrin aldehyde	n/a	=	0.101	µg/L	EPA 608	0.003	0.01			
2017/18-5	ME-VR2	matrix spike, rec	7/3/2018	Pesticide	Endrin aldehyde	n/a	=	101	%	EPA 608	-88	-88	11	113	
2017/18-5	ME-VR2	matrix spike dup	7/3/2018	Pesticide	Endrin aldehyde	n/a	=	0.102	µg/L	EPA 608	0.003	0.01			
2017/18-5	ME-VR2	matrix spike dup, rec	7/3/2018	Pesticide	Endrin aldehyde	n/a	=	102	%	EPA 608	-88	-88	11	113	
2017/18-5	ME-VR2	matrix spike, RPD	7/3/2018	Pesticide	Endrin aldehyde	n/a	=	2	%	EPA 608	-88	-88	0	30	
2017/18-5	Lab	method blank	6/6/2018	Pesticide	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1			
2017/18-5	Lab	LCS	6/6/2018	Pesticide	EPTC	n/a	=	5.17	µg/L	EPA 525.2	0.017	1			
2017/18-5	Lab	LCS, rec	6/6/2018	Pesticide	EPTC	n/a	=	103	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS dup	6/6/2018	Pesticide	EPTC	n/a	=	5.39	µg/L	EPA 525.2	0.017	1			
2017/18-5	Lab	LCS dup, rec	6/6/2018	Pesticide	EPTC	n/a	=	108	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS, RPD	6/6/2018	Pesticide	EPTC	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2017/18-5	Lab	method blank	6/14/2018	Pesticide	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1			
2017/18-5	Lab	LCS	6/14/2018	Pesticide	EPTC	n/a	=	4.8	µg/L	EPA 525.2	0.017	1			
2017/18-5	Lab	LCS, rec	6/14/2018	Pesticide	EPTC	n/a	=	96	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS dup	6/14/2018	Pesticide	EPTC	n/a	=	5.13	µg/L	EPA 525.2	0.017	1			
2017/18-5	Lab	LCS dup, rec	6/14/2018	Pesticide	EPTC	n/a	=	103	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS, RPD	6/14/2018	Pesticide	EPTC	n/a	=	7	%	EPA 525.2	-88	-88	0	30	
2017/18-5	Lab	method blank	6/29/2018	Pesticide	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1			
2017/18-5	Lab	LCS	6/29/2018	Pesticide	EPTC	n/a	=	4.92	µg/L	EPA 525.2	0.017	1			
2017/18-5	Lab	LCS, rec	6/29/2018	Pesticide	EPTC	n/a	=	98	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS dup	6/29/2018	Pesticide	EPTC	n/a	=	5.1	µg/L	EPA 525.2	0.017	1			
2017/18-5	Lab	LCS dup, rec	6/29/2018	Pesticide	EPTC	n/a	=	102	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS, RPD	6/29/2018	Pesticide	EPTC	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2017/18-5	Lab	method blank	7/2/2018	Pesticide	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1			
2017/18-5	Lab	LCS	7/2/2018	Pesticide	EPTC	n/a	=	4.8	µg/L	EPA 525.2	0.017	1			
2017/18-5	Lab	LCS, rec	7/2/2018	Pesticide	EPTC	n/a	=	96	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS dup	7/2/2018	Pesticide	EPTC	n/a	=	5.03	µg/L	EPA 525.2	0.017	1			
2017/18-5	Lab	LCS dup, rec	7/2/2018	Pesticide	EPTC	n/a	=	101	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS, RPD	7/2/2018	Pesticide	EPTC	n/a	=	5	%	EPA 525.2	-88	-88	0	30	
2017/18-5	000NONPJ	matrix spike	7/3/2018	Pesticide	Ethoprop	n/a	=	0.0467	µg/L	EPA 525.2m	0.0067	0.01			
2017/18-5	000NONPJ	matrix spike, rec	7/3/2018	Pesticide	Ethoprop	n/a	=	93	%	EPA 525.2m	-88	-88	51	167	
2017/18-5	000NONPJ	matrix spike dup	7/3/2018	Pesticide	Ethoprop	n/a	=	0.041	µg/L	EPA 525.2m	0.0067	0.01			
2017/18-5	000NONPJ	matrix spike dup, rec	7/3/2018	Pesticide	Ethoprop	n/a	=	82	%	EPA 525.2m	-88	-88	51	167	
2017/18-5	000NONPJ	matrix spike, RPD	7/3/2018	Pesticide	Ethoprop	n/a	=	13	%	EPA 525.2m	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	method blank	6/13/2018	Pesticide	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01			
2017/18-5	Lab	LCS	6/13/2018	Pesticide	Ethoprop	n/a	=	0.0439	µg/L	EPA 525.2m	0.0067	0.01			
2017/18-5	Lab	LCS, rec	6/13/2018	Pesticide	Ethoprop	n/a	=	88	%	EPA 525.2m	-88	-88	53	163	
2017/18-5	Lab	method blank	6/18/2018	Pesticide	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01			
2017/18-5	Lab	LCS	6/18/2018	Pesticide	Ethoprop	n/a	=	0.049	µg/L	EPA 525.2m	0.0067	0.01			
2017/18-5	Lab	LCS, rec	6/18/2018	Pesticide	Ethoprop	n/a	=	98	%	EPA 525.2m	-88	-88	53	163	
2017/18-5	Lab	LCS dup	6/18/2018	Pesticide	Ethoprop	n/a	=	0.0424	µg/L	EPA 525.2m	0.0067	0.01			
2017/18-5	Lab	LCS dup, rec	6/18/2018	Pesticide	Ethoprop	n/a	=	85	%	EPA 525.2m	-88	-88	53	163	
2017/18-5	Lab	LCS, RPD	6/18/2018	Pesticide	Ethoprop	n/a	=	14	%	EPA 525.2m	-88	-88	0	30	
2017/18-5	Lab	method blank	7/3/2018	Pesticide	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01			
2017/18-5	Lab	LCS	7/3/2018	Pesticide	Ethoprop	n/a	=	0.0426	µg/L	EPA 525.2m	0.0067	0.01			
2017/18-5	Lab	LCS, rec	7/3/2018	Pesticide	Ethoprop	n/a	=	85	%	EPA 525.2m	-88	-88	53	163	
2017/18-5	ME-CC	matrix spike dup	6/13/2018	Pesticide	Ethoprop	n/a	=	0.0588	µg/L	EPA 525.2m	0.0067	0.01			
2017/18-5	ME-CC	matrix spike dup, rec	6/13/2018	Pesticide	Ethoprop	n/a	=	118	%	EPA 525.2m	-88	-88	51	167	
2017/18-5	ME-CC	matrix spike, RPD	6/13/2018	Pesticide	Ethoprop	n/a	=	13	%	EPA 525.2m	-88	-88	0	30	
2017/18-5	ME-CC	matrix spike	6/13/2018	Pesticide	Ethoprop	n/a	=	0.0517	µg/L	EPA 525.2m	0.0067	0.01			
2017/18-5	ME-CC	matrix spike, rec	6/13/2018	Pesticide	Ethoprop	n/a	=	103	%	EPA 525.2m	-88	-88	51	167	
2017/18-5	000NONPJ	matrix spike	7/3/2018	Pesticide	Ethyl parathion	n/a	=	0.0524	µg/L	EPA 525.2m	0.0054	0.01			
2017/18-5	000NONPJ	matrix spike, rec	7/3/2018	Pesticide	Ethyl parathion	n/a	=	105	%	EPA 525.2m	-88	-88	5	229	
2017/18-5	000NONPJ	matrix spike dup	7/3/2018	Pesticide	Ethyl parathion	n/a	=	0.0512	µg/L	EPA 525.2m	0.0054	0.01			
2017/18-5	000NONPJ	matrix spike dup, rec	7/3/2018	Pesticide	Ethyl parathion	n/a	=	102	%	EPA 525.2m	-88	-88	5	229	
2017/18-5	000NONPJ	matrix spike, RPD	7/3/2018	Pesticide	Ethyl parathion	n/a	=	2	%	EPA 525.2m	-88	-88	0	30	
2017/18-5	Lab	method blank	6/13/2018	Pesticide	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01			
2017/18-5	Lab	LCS	6/13/2018	Pesticide	Ethyl parathion	n/a	=	0.0518	µg/L	EPA 525.2m	0.0054	0.01			
2017/18-5	Lab	LCS, rec	6/13/2018	Pesticide	Ethyl parathion	n/a	=	104	%	EPA 525.2m	-88	-88	7	230	
2017/18-5	Lab	method blank	6/18/2018	Pesticide	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01			
2017/18-5	Lab	LCS	6/18/2018	Pesticide	Ethyl parathion	n/a	=	0.064	µg/L	EPA 525.2m	0.0054	0.01			
2017/18-5	Lab	LCS, rec	6/18/2018	Pesticide	Ethyl parathion	n/a	=	128	%	EPA 525.2m	-88	-88	7	230	
2017/18-5	Lab	LCS dup	6/18/2018	Pesticide	Ethyl parathion	n/a	=	0.0425	µg/L	EPA 525.2m	0.0054	0.01			
2017/18-5	Lab	LCS dup, rec	6/18/2018	Pesticide	Ethyl parathion	n/a	=	85	%	EPA 525.2m	-88	-88	7	230	
2017/18-5	Lab	LCS, RPD	6/18/2018	Pesticide	Ethyl parathion	n/a	=	40	%	EPA 525.2m	-88	-88	0	30	IL
2017/18-5	Lab	method blank	7/3/2018	Pesticide	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01			
2017/18-5	Lab	LCS	7/3/2018	Pesticide	Ethyl parathion	n/a	=	0.0483	µg/L	EPA 525.2m	0.0054	0.01			
2017/18-5	Lab	LCS, rec	7/3/2018	Pesticide	Ethyl parathion	n/a	=	97	%	EPA 525.2m	-88	-88	7	230	
2017/18-5	ME-CC	matrix spike dup	6/13/2018	Pesticide	Ethyl parathion	n/a	=	0.12	µg/L	EPA 525.2m	0.0054	0.01			GB
2017/18-5	ME-CC	matrix spike dup, rec	6/13/2018	Pesticide	Ethyl parathion	n/a	=	241	%	EPA 525.2m	-88	-88	5	229	GB
2017/18-5	ME-CC	matrix spike, RPD	6/13/2018	Pesticide	Ethyl parathion	n/a	=	39	%	EPA 525.2m	-88	-88	0	30	IL
2017/18-5	ME-CC	matrix spike	6/13/2018	Pesticide	Ethyl parathion	n/a	=	0.0808	µg/L	EPA 525.2m	0.0054	0.01			
2017/18-5	ME-CC	matrix spike, rec	6/13/2018	Pesticide	Ethyl parathion	n/a	=	162	%	EPA 525.2m	-88	-88	5	229	
2017/18-5	000NONPJ	matrix spike	7/3/2018	Pesticide	Fensulfothion	n/a	=	0.0467	µg/L	EPA 525.2m	0.0029	0.01			
2017/18-5	000NONPJ	matrix spike, rec	7/3/2018	Pesticide	Fensulfothion	n/a	=	93	%	EPA 525.2m	-88	-88	0.1	316	
2017/18-5	000NONPJ	matrix spike dup	7/3/2018	Pesticide	Fensulfothion	n/a	=	0.0397	µg/L	EPA 525.2m	0.0029	0.01			
2017/18-5	000NONPJ	matrix spike dup, rec	7/3/2018	Pesticide	Fensulfothion	n/a	=	79	%	EPA 525.2m	-88	-88	0.1	316	
2017/18-5	000NONPJ	matrix spike, RPD	7/3/2018	Pesticide	Fensulfothion	n/a	=	16	%	EPA 525.2m	-88	-88	0	30	
2017/18-5	Lab	method blank	6/13/2018	Pesticide	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01			
2017/18-5	Lab	LCS	6/13/2018	Pesticide	Fensulfothion	n/a	=	0.0344	µg/L	EPA 525.2m	0.0029	0.01			
2017/18-5	Lab	LCS, rec	6/13/2018	Pesticide	Fensulfothion	n/a	=	69	%	EPA 525.2m	-88	-88	0.1	265	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	method blank	6/18/2018	Pesticide	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01			
2017/18-5	Lab	LCS	6/18/2018	Pesticide	Fensulfothion	n/a	=	0.0413	µg/L	EPA 525.2m	0.0029	0.01			
2017/18-5	Lab	LCS, rec	6/18/2018	Pesticide	Fensulfothion	n/a	=	83	%	EPA 525.2m	-88	-88	0.1	265	
2017/18-5	Lab	LCS dup	6/18/2018	Pesticide	Fensulfothion	n/a	=	0.0438	µg/L	EPA 525.2m	0.0029	0.01			
2017/18-5	Lab	LCS dup, rec	6/18/2018	Pesticide	Fensulfothion	n/a	=	88	%	EPA 525.2m	-88	-88	0.1	265	
2017/18-5	Lab	LCS, RPD	6/18/2018	Pesticide	Fensulfothion	n/a	=	6	%	EPA 525.2m	-88	-88	0	30	
2017/18-5	Lab	method blank	7/3/2018	Pesticide	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01			
2017/18-5	Lab	LCS	7/3/2018	Pesticide	Fensulfothion	n/a	=	0.0314	µg/L	EPA 525.2m	0.0029	0.01			
2017/18-5	Lab	LCS, rec	7/3/2018	Pesticide	Fensulfothion	n/a	=	63	%	EPA 525.2m	-88	-88	0.1	265	
2017/18-5	ME-CC	matrix spike dup	6/13/2018	Pesticide	Fensulfothion	n/a	=	0.043	µg/L	EPA 525.2m	0.0029	0.01			
2017/18-5	ME-CC	matrix spike dup, rec	6/13/2018	Pesticide	Fensulfothion	n/a	=	86	%	EPA 525.2m	-88	-88	0.1	316	
2017/18-5	ME-CC	matrix spike, RPD	6/13/2018	Pesticide	Fensulfothion	n/a	=	26	%	EPA 525.2m	-88	-88	0	30	
2017/18-5	ME-CC	matrix spike	6/13/2018	Pesticide	Fensulfothion	n/a	=	0.0558	µg/L	EPA 525.2m	0.0029	0.01			
2017/18-5	ME-CC	matrix spike, rec	6/13/2018	Pesticide	Fensulfothion	n/a	=	112	%	EPA 525.2m	-88	-88	0.1	316	
2017/18-5	000NONPJ	matrix spike	7/3/2018	Pesticide	Fenthion	n/a	=	0.048	µg/L	EPA 525.2m	0.0038	0.01			
2017/18-5	000NONPJ	matrix spike, rec	7/3/2018	Pesticide	Fenthion	n/a	=	96	%	EPA 525.2m	-88	-88	23	169	
2017/18-5	000NONPJ	matrix spike dup	7/3/2018	Pesticide	Fenthion	n/a	=	0.0428	µg/L	EPA 525.2m	0.0038	0.01			
2017/18-5	000NONPJ	matrix spike dup, rec	7/3/2018	Pesticide	Fenthion	n/a	=	86	%	EPA 525.2m	-88	-88	23	169	
2017/18-5	000NONPJ	matrix spike, RPD	7/3/2018	Pesticide	Fenthion	n/a	=	12	%	EPA 525.2m	-88	-88	0	30	
2017/18-5	Lab	method blank	6/13/2018	Pesticide	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01			
2017/18-5	Lab	LCS	6/13/2018	Pesticide	Fenthion	n/a	=	0.0346	µg/L	EPA 525.2m	0.0038	0.01			
2017/18-5	Lab	LCS, rec	6/13/2018	Pesticide	Fenthion	n/a	=	69	%	EPA 525.2m	-88	-88	20	177	
2017/18-5	Lab	method blank	6/18/2018	Pesticide	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01			
2017/18-5	Lab	LCS	6/18/2018	Pesticide	Fenthion	n/a	=	0.0471	µg/L	EPA 525.2m	0.0038	0.01			
2017/18-5	Lab	LCS, rec	6/18/2018	Pesticide	Fenthion	n/a	=	94	%	EPA 525.2m	-88	-88	20	177	
2017/18-5	Lab	LCS dup	6/18/2018	Pesticide	Fenthion	n/a	=	0.0339	µg/L	EPA 525.2m	0.0038	0.01			
2017/18-5	Lab	LCS dup, rec	6/18/2018	Pesticide	Fenthion	n/a	=	68	%	EPA 525.2m	-88	-88	20	177	
2017/18-5	Lab	LCS, RPD	6/18/2018	Pesticide	Fenthion	n/a	=	32	%	EPA 525.2m	-88	-88	0	30	IL
2017/18-5	Lab	method blank	7/3/2018	Pesticide	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01			
2017/18-5	Lab	LCS	7/3/2018	Pesticide	Fenthion	n/a	=	0.0325	µg/L	EPA 525.2m	0.0038	0.01			
2017/18-5	Lab	LCS, rec	7/3/2018	Pesticide	Fenthion	n/a	=	65	%	EPA 525.2m	-88	-88	20	177	
2017/18-5	ME-CC	matrix spike dup	6/13/2018	Pesticide	Fenthion	n/a	=	0.0807	µg/L	EPA 525.2m	0.0038	0.01			
2017/18-5	ME-CC	matrix spike dup, rec	6/13/2018	Pesticide	Fenthion	n/a	=	161	%	EPA 525.2m	-88	-88	23	169	
2017/18-5	ME-CC	matrix spike, RPD	6/13/2018	Pesticide	Fenthion	n/a	=	42	%	EPA 525.2m	-88	-88	0	30	IL
2017/18-5	ME-CC	matrix spike	6/13/2018	Pesticide	Fenthion	n/a	=	0.0529	µg/L	EPA 525.2m	0.0038	0.01			
2017/18-5	ME-CC	matrix spike, rec	6/13/2018	Pesticide	Fenthion	n/a	=	106	%	EPA 525.2m	-88	-88	23	169	
2017/18-5	000NONPJ	matrix spike	6/11/2018	Pesticide	gamma-BHC (Lindane)	n/a	=	0.0705	µg/L	EPA 608	0.0021	0.02			
2017/18-5	000NONPJ	matrix spike, rec	6/11/2018	Pesticide	gamma-BHC (Lindane)	n/a	=	71	%	EPA 608	-88	-88	33	112	
2017/18-5	000NONPJ	matrix spike dup	6/11/2018	Pesticide	gamma-BHC (Lindane)	n/a	=	0.0767	µg/L	EPA 608	0.0021	0.02			
2017/18-5	000NONPJ	matrix spike dup, rec	6/11/2018	Pesticide	gamma-BHC (Lindane)	n/a	=	77	%	EPA 608	-88	-88	33	112	
2017/18-5	000NONPJ	matrix spike, RPD	6/11/2018	Pesticide	gamma-BHC (Lindane)	n/a	=	8	%	EPA 608	-88	-88	0	30	
2017/18-5	000NONPJ	matrix spike	6/12/2018	Pesticide	gamma-BHC (Lindane)	n/a	=	0.0495	µg/L	EPA 608	0.0021	0.02			
2017/18-5	000NONPJ	matrix spike, rec	6/12/2018	Pesticide	gamma-BHC (Lindane)	n/a	=	50	%	EPA 608	-88	-88	33	112	
2017/18-5	000NONPJ	matrix spike dup	6/12/2018	Pesticide	gamma-BHC (Lindane)	n/a	=	0.051	µg/L	EPA 608	0.0021	0.02			
2017/18-5	000NONPJ	matrix spike dup, rec	6/12/2018	Pesticide	gamma-BHC (Lindane)	n/a	=	51	%	EPA 608	-88	-88	33	112	
2017/18-5	000NONPJ	matrix spike, RPD	6/12/2018	Pesticide	gamma-BHC (Lindane)	n/a	=	3	%	EPA 608	-88	-88	0	30	
2017/18-5	Lab	method blank	6/11/2018	Pesticide	gamma-BHC (Lindane)	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.02			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	LCS	6/11/2018	Pesticide	gamma-BHC (Lindane)	n/a	=	0.0854	µg/L	EPA 608	0.0021	0.02			
2017/18-5	Lab	LCS, rec	6/11/2018	Pesticide	gamma-BHC (Lindane)	n/a	=	85	%	EPA 608	-88	-88	49	117	
2017/18-5	Lab	method blank	6/12/2018	Pesticide	gamma-BHC (Lindane)	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.02			
2017/18-5	Lab	LCS	6/12/2018	Pesticide	gamma-BHC (Lindane)	n/a	=	0.0847	µg/L	EPA 608	0.0021	0.02			
2017/18-5	Lab	LCS, rec	6/12/2018	Pesticide	gamma-BHC (Lindane)	n/a	=	85	%	EPA 608	-88	-88	49	117	
2017/18-5	Lab	method blank	6/19/2018	Pesticide	gamma-BHC (Lindane)	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.02			
2017/18-5	Lab	LCS	6/19/2018	Pesticide	gamma-BHC (Lindane)	n/a	=	0.0925	µg/L	EPA 608	0.0021	0.02			
2017/18-5	Lab	LCS, rec	6/19/2018	Pesticide	gamma-BHC (Lindane)	n/a	=	92	%	EPA 608	-88	-88	49	117	
2017/18-5	Lab	method blank	7/3/2018	Pesticide	gamma-BHC (Lindane)	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.02			
2017/18-5	Lab	LCS	7/3/2018	Pesticide	gamma-BHC (Lindane)	n/a	=	0.0901	µg/L	EPA 608	0.0021	0.02			
2017/18-5	Lab	LCS, rec	7/3/2018	Pesticide	gamma-BHC (Lindane)	n/a	=	90	%	EPA 608	-88	-88	49	117	
2017/18-5	ME-VR2	matrix spike	7/3/2018	Pesticide	gamma-BHC (Lindane)	n/a	=	0.0774	µg/L	EPA 608	0.0021	0.02			
2017/18-5	ME-VR2	matrix spike, rec	7/3/2018	Pesticide	gamma-BHC (Lindane)	n/a	=	77	%	EPA 608	-88	-88	33	112	
2017/18-5	ME-VR2	matrix spike dup	7/3/2018	Pesticide	gamma-BHC (Lindane)	n/a	=	0.0749	µg/L	EPA 608	0.0021	0.02			
2017/18-5	ME-VR2	matrix spike dup, rec	7/3/2018	Pesticide	gamma-BHC (Lindane)	n/a	=	75	%	EPA 608	-88	-88	33	112	
2017/18-5	ME-VR2	matrix spike, RPD	7/3/2018	Pesticide	gamma-BHC (Lindane)	n/a	=	3	%	EPA 608	-88	-88	0	30	
2017/18-5	000NONPJ	matrix spike	6/2/2018	Pesticide	Glyphosate	n/a	=	37	µg/L	EPA 547	1.8	5			
2017/18-5	000NONPJ	matrix spike, rec	6/2/2018	Pesticide	Glyphosate	n/a	=	148	%	EPA 547	-88	-88	41	149	
2017/18-5	000NONPJ	matrix spike dup	6/2/2018	Pesticide	Glyphosate	n/a	=	30.9	µg/L	EPA 547	1.8	5			
2017/18-5	000NONPJ	matrix spike dup, rec	6/2/2018	Pesticide	Glyphosate	n/a	=	123	%	EPA 547	-88	-88	41	149	
2017/18-5	000NONPJ	matrix spike, RPD	6/2/2018	Pesticide	Glyphosate	n/a	=	18	%	EPA 547	-88	-88	0	30	
2017/18-5	000NONPJ	matrix spike dup	6/2/2018	Pesticide	Glyphosate	n/a	=	38	µg/L	EPA 547	1.8	5			GB
2017/18-5	000NONPJ	matrix spike dup, rec	6/2/2018	Pesticide	Glyphosate	n/a	=	152	%	EPA 547	-88	-88	41	149	GB
2017/18-5	000NONPJ	matrix spike, RPD	6/2/2018	Pesticide	Glyphosate	n/a	=	37	%	EPA 547	-88	-88	0	30	IL
2017/18-5	000NONPJ	matrix spike	6/2/2018	Pesticide	Glyphosate	n/a	=	26.2	µg/L	EPA 547	1.8	5			
2017/18-5	000NONPJ	matrix spike, rec	6/2/2018	Pesticide	Glyphosate	n/a	=	105	%	EPA 547	-88	-88	41	149	
2017/18-5	000NONPJ	matrix spike	6/12/2018	Pesticide	Glyphosate	n/a	=	29.3	µg/L	EPA 547	1.8	5			
2017/18-5	000NONPJ	matrix spike, rec	6/12/2018	Pesticide	Glyphosate	n/a	=	117	%	EPA 547	-88	-88	41	149	
2017/18-5	000NONPJ	matrix spike dup	6/12/2018	Pesticide	Glyphosate	n/a	=	27.6	µg/L	EPA 547	1.8	5			
2017/18-5	000NONPJ	matrix spike dup, rec	6/12/2018	Pesticide	Glyphosate	n/a	=	111	%	EPA 547	-88	-88	41	149	
2017/18-5	000NONPJ	matrix spike, RPD	6/12/2018	Pesticide	Glyphosate	n/a	=	6	%	EPA 547	-88	-88	0	30	
2017/18-5	000NONPJ	matrix spike	6/21/2018	Pesticide	Glyphosate	n/a	=	20.8	µg/L	EPA 547	1.8	5			
2017/18-5	000NONPJ	matrix spike, rec	6/21/2018	Pesticide	Glyphosate	n/a	=	83	%	EPA 547	-88	-88	41	149	
2017/18-5	000NONPJ	matrix spike dup	6/21/2018	Pesticide	Glyphosate	n/a	=	20.7	µg/L	EPA 547	1.8	5			
2017/18-5	000NONPJ	matrix spike dup, rec	6/21/2018	Pesticide	Glyphosate	n/a	=	83	%	EPA 547	-88	-88	41	149	
2017/18-5	000NONPJ	matrix spike, RPD	6/21/2018	Pesticide	Glyphosate	n/a	=	0.8	%	EPA 547	-88	-88	0	30	
2017/18-5	Lab	method blank	6/2/2018	Pesticide	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5			
2017/18-5	Lab	LCS	6/2/2018	Pesticide	Glyphosate	n/a	=	35.8	µg/L	EPA 547	1.8	5			EUM
2017/18-5	Lab	LCS, rec	6/2/2018	Pesticide	Glyphosate	n/a	=	143	%	EPA 547	-88	-88	70	130	EUM
2017/18-5	Lab	method blank	6/12/2018	Pesticide	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5			
2017/18-5	Lab	LCS	6/12/2018	Pesticide	Glyphosate	n/a	=	29.5	µg/L	EPA 547	1.8	5			
2017/18-5	Lab	LCS, rec	6/12/2018	Pesticide	Glyphosate	n/a	=	118	%	EPA 547	-88	-88	70	130	
2017/18-5	Lab	method blank	6/14/2018	Pesticide	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5			
2017/18-5	Lab	LCS	6/14/2018	Pesticide	Glyphosate	n/a	=	27.3	µg/L	EPA 547	1.8	5			
2017/18-5	Lab	LCS, rec	6/14/2018	Pesticide	Glyphosate	n/a	=	109	%	EPA 547	-88	-88	70	130	
2017/18-5	Lab	method blank	6/21/2018	Pesticide	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5			
2017/18-5	Lab	LCS	6/21/2018	Pesticide	Glyphosate	n/a	=	24.4	µg/L	EPA 547	1.8	5			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	LCS, rec	6/21/2018	Pesticide	Glyphosate	n/a	=	97	%	EPA 547	-88	-88	70	130	
2017/18-5	ME-SCR	matrix spike	6/14/2018	Pesticide	Glyphosate	n/a	=	30.4	µg/L	EPA 547	1.8	5			
2017/18-5	ME-SCR	matrix spike, rec	6/14/2018	Pesticide	Glyphosate	n/a	=	121	%	EPA 547	-88	-88	41	149	
2017/18-5	ME-SCR	matrix spike dup	6/14/2018	Pesticide	Glyphosate	n/a	=	23.7	µg/L	EPA 547	1.8	5			
2017/18-5	ME-SCR	matrix spike dup, rec	6/14/2018	Pesticide	Glyphosate	n/a	=	95	%	EPA 547	-88	-88	41	149	
2017/18-5	ME-SCR	matrix spike, RPD	6/14/2018	Pesticide	Glyphosate	n/a	=	24	%	EPA 547	-88	-88	0	30	
2017/18-5	ME-VR2	matrix spike	6/22/2018	Pesticide	Glyphosate	n/a	=	18.7	µg/L	EPA 547	1.8	5			
2017/18-5	ME-VR2	matrix spike, rec	6/22/2018	Pesticide	Glyphosate	n/a	=	75	%	EPA 547	-88	-88	41	149	
2017/18-5	ME-VR2	matrix spike dup	6/22/2018	Pesticide	Glyphosate	n/a	=	20.5	µg/L	EPA 547	1.8	5			
2017/18-5	ME-VR2	matrix spike dup, rec	6/22/2018	Pesticide	Glyphosate	n/a	=	82	%	EPA 547	-88	-88	41	149	
2017/18-5	ME-VR2	matrix spike, RPD	6/22/2018	Pesticide	Glyphosate	n/a	=	9	%	EPA 547	-88	-88	0	30	
2017/18-5	MO-CAM	matrix spike dup	6/12/2018	Pesticide	Glyphosate	n/a	=	44.5	µg/L	EPA 547	1.8	5			
2017/18-5	MO-CAM	matrix spike dup, rec	6/12/2018	Pesticide	Glyphosate	n/a	=	133	%	EPA 547	-88	-88	41	149	
2017/18-5	MO-CAM	matrix spike, RPD	6/12/2018	Pesticide	Glyphosate	n/a	=	4	%	EPA 547	-88	-88	0	30	
2017/18-5	MO-CAM	matrix spike	6/12/2018	Pesticide	Glyphosate	n/a	=	46.5	µg/L	EPA 547	1.8	5			
2017/18-5	MO-CAM	matrix spike, rec	6/12/2018	Pesticide	Glyphosate	n/a	=	141	%	EPA 547	-88	-88	41	149	
2017/18-5	MO-FIL	matrix spike	6/14/2018	Pesticide	Glyphosate	n/a	=	35.1	µg/L	EPA 547	1.8	5			
2017/18-5	MO-FIL	matrix spike, rec	6/14/2018	Pesticide	Glyphosate	n/a	=	111	%	EPA 547	-88	-88	41	149	
2017/18-5	MO-FIL	matrix spike dup	6/14/2018	Pesticide	Glyphosate	n/a	=	42.5	µg/L	EPA 547	1.8	5			
2017/18-5	MO-FIL	matrix spike dup, rec	6/14/2018	Pesticide	Glyphosate	n/a	=	141	%	EPA 547	-88	-88	41	149	
2017/18-5	MO-FIL	matrix spike, RPD	6/14/2018	Pesticide	Glyphosate	n/a	=	19	%	EPA 547	-88	-88	0	30	
2017/18-5	000NONPJ	matrix spike	6/11/2018	Pesticide	Heptachlor	n/a	=	0.0963	µg/L	EPA 608	0.0017	0.01			
2017/18-5	000NONPJ	matrix spike, rec	6/11/2018	Pesticide	Heptachlor	n/a	=	96	%	EPA 608	-88	-88	28	131	
2017/18-5	000NONPJ	matrix spike dup	6/11/2018	Pesticide	Heptachlor	n/a	=	0.108	µg/L	EPA 608	0.0017	0.01			
2017/18-5	000NONPJ	matrix spike dup, rec	6/11/2018	Pesticide	Heptachlor	n/a	=	108	%	EPA 608	-88	-88	28	131	
2017/18-5	000NONPJ	matrix spike, RPD	6/11/2018	Pesticide	Heptachlor	n/a	=	11	%	EPA 608	-88	-88	0	30	
2017/18-5	000NONPJ	matrix spike	6/12/2018	Pesticide	Heptachlor	n/a	=	0.0718	µg/L	EPA 608	0.0017	0.01			
2017/18-5	000NONPJ	matrix spike, rec	6/12/2018	Pesticide	Heptachlor	n/a	=	72	%	EPA 608	-88	-88	28	131	
2017/18-5	000NONPJ	matrix spike dup	6/12/2018	Pesticide	Heptachlor	n/a	=	0.0744	µg/L	EPA 608	0.0017	0.01			
2017/18-5	000NONPJ	matrix spike dup, rec	6/12/2018	Pesticide	Heptachlor	n/a	=	74	%	EPA 608	-88	-88	28	131	
2017/18-5	000NONPJ	matrix spike, RPD	6/12/2018	Pesticide	Heptachlor	n/a	=	4	%	EPA 608	-88	-88	0	30	
2017/18-5	Lab	method blank	6/11/2018	Pesticide	Heptachlor	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.01			
2017/18-5	Lab	LCS	6/11/2018	Pesticide	Heptachlor	n/a	=	0.0828	µg/L	EPA 608	0.0017	0.01			
2017/18-5	Lab	LCS, rec	6/11/2018	Pesticide	Heptachlor	n/a	=	83	%	EPA 608	-88	-88	31	130	
2017/18-5	Lab	method blank	6/12/2018	Pesticide	Heptachlor	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.01			
2017/18-5	Lab	LCS	6/12/2018	Pesticide	Heptachlor	n/a	=	0.0828	µg/L	EPA 608	0.0017	0.01			
2017/18-5	Lab	LCS, rec	6/12/2018	Pesticide	Heptachlor	n/a	=	83	%	EPA 608	-88	-88	31	130	
2017/18-5	Lab	method blank	6/19/2018	Pesticide	Heptachlor	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.01			
2017/18-5	Lab	LCS	6/19/2018	Pesticide	Heptachlor	n/a	=	0.0901	µg/L	EPA 608	0.0017	0.01			
2017/18-5	Lab	LCS, rec	6/19/2018	Pesticide	Heptachlor	n/a	=	90	%	EPA 608	-88	-88	31	130	
2017/18-5	Lab	method blank	7/3/2018	Pesticide	Heptachlor	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.01			
2017/18-5	Lab	LCS	7/3/2018	Pesticide	Heptachlor	n/a	=	0.0859	µg/L	EPA 608	0.0017	0.01			
2017/18-5	Lab	LCS, rec	7/3/2018	Pesticide	Heptachlor	n/a	=	86	%	EPA 608	-88	-88	31	130	
2017/18-5	ME-VR2	matrix spike	7/3/2018	Pesticide	Heptachlor	n/a	=	0.081	µg/L	EPA 608	0.0017	0.01			
2017/18-5	ME-VR2	matrix spike, rec	7/3/2018	Pesticide	Heptachlor	n/a	=	81	%	EPA 608	-88	-88	28	131	
2017/18-5	ME-VR2	matrix spike dup	7/3/2018	Pesticide	Heptachlor	n/a	=	0.0787	µg/L	EPA 608	0.0017	0.01			
2017/18-5	ME-VR2	matrix spike dup, rec	7/3/2018	Pesticide	Heptachlor	n/a	=	79	%	EPA 608	-88	-88	28	131	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	ME-VR2	matrix spike, RPD	7/3/2018	Pesticide	Heptachlor	n/a	=	3	%	EPA 608	-88	-88	0	30	
2017/18-5	000NONPJ	matrix spike	6/11/2018	Pesticide	Heptachlor epoxide	n/a	=	0.0676	µg/L	EPA 608	0.0019	0.01			
2017/18-5	000NONPJ	matrix spike, rec	6/11/2018	Pesticide	Heptachlor epoxide	n/a	=	68	%	EPA 608	-88	-88	36	117	
2017/18-5	000NONPJ	matrix spike dup	6/11/2018	Pesticide	Heptachlor epoxide	n/a	=	0.0746	µg/L	EPA 608	0.0019	0.01			
2017/18-5	000NONPJ	matrix spike dup, rec	6/11/2018	Pesticide	Heptachlor epoxide	n/a	=	75	%	EPA 608	-88	-88	36	117	
2017/18-5	000NONPJ	matrix spike, RPD	6/11/2018	Pesticide	Heptachlor epoxide	n/a	=	10	%	EPA 608	-88	-88	0	30	
2017/18-5	000NONPJ	matrix spike	6/12/2018	Pesticide	Heptachlor epoxide	n/a	=	0.0518	µg/L	EPA 608	0.0019	0.01			
2017/18-5	000NONPJ	matrix spike, rec	6/12/2018	Pesticide	Heptachlor epoxide	n/a	=	52	%	EPA 608	-88	-88	36	117	
2017/18-5	000NONPJ	matrix spike dup	6/12/2018	Pesticide	Heptachlor epoxide	n/a	=	0.0535	µg/L	EPA 608	0.0019	0.01			
2017/18-5	000NONPJ	matrix spike dup, rec	6/12/2018	Pesticide	Heptachlor epoxide	n/a	=	53	%	EPA 608	-88	-88	36	117	
2017/18-5	000NONPJ	matrix spike, RPD	6/12/2018	Pesticide	Heptachlor epoxide	n/a	=	3	%	EPA 608	-88	-88	0	30	
2017/18-5	Lab	method blank	6/11/2018	Pesticide	Heptachlor epoxide	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01			
2017/18-5	Lab	LCS	6/11/2018	Pesticide	Heptachlor epoxide	n/a	=	0.0835	µg/L	EPA 608	0.0019	0.01			
2017/18-5	Lab	LCS, rec	6/11/2018	Pesticide	Heptachlor epoxide	n/a	=	84	%	EPA 608	-88	-88	49	122	
2017/18-5	Lab	method blank	6/12/2018	Pesticide	Heptachlor epoxide	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01			
2017/18-5	Lab	LCS	6/12/2018	Pesticide	Heptachlor epoxide	n/a	=	0.0853	µg/L	EPA 608	0.0019	0.01			
2017/18-5	Lab	LCS, rec	6/12/2018	Pesticide	Heptachlor epoxide	n/a	=	85	%	EPA 608	-88	-88	49	122	
2017/18-5	Lab	method blank	6/19/2018	Pesticide	Heptachlor epoxide	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01			
2017/18-5	Lab	LCS	6/19/2018	Pesticide	Heptachlor epoxide	n/a	=	0.0914	µg/L	EPA 608	0.0019	0.01			
2017/18-5	Lab	LCS, rec	6/19/2018	Pesticide	Heptachlor epoxide	n/a	=	91	%	EPA 608	-88	-88	49	122	
2017/18-5	Lab	method blank	7/3/2018	Pesticide	Heptachlor epoxide	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01			
2017/18-5	Lab	LCS	7/3/2018	Pesticide	Heptachlor epoxide	n/a	=	0.0856	µg/L	EPA 608	0.0019	0.01			
2017/18-5	Lab	LCS, rec	7/3/2018	Pesticide	Heptachlor epoxide	n/a	=	86	%	EPA 608	-88	-88	49	122	
2017/18-5	ME-VR2	matrix spike	7/3/2018	Pesticide	Heptachlor epoxide	n/a	=	0.0835	µg/L	EPA 608	0.0019	0.01			
2017/18-5	ME-VR2	matrix spike, rec	7/3/2018	Pesticide	Heptachlor epoxide	n/a	=	83	%	EPA 608	-88	-88	36	117	
2017/18-5	ME-VR2	matrix spike dup	7/3/2018	Pesticide	Heptachlor epoxide	n/a	=	0.0801	µg/L	EPA 608	0.0019	0.01			
2017/18-5	ME-VR2	matrix spike dup, rec	7/3/2018	Pesticide	Heptachlor epoxide	n/a	=	80	%	EPA 608	-88	-88	36	117	
2017/18-5	ME-VR2	matrix spike, RPD	7/3/2018	Pesticide	Heptachlor epoxide	n/a	=	4	%	EPA 608	-88	-88	0	30	
2017/18-5	000NONPJ	matrix spike	7/3/2018	Pesticide	Malathion	n/a	=	0.059	µg/L	EPA 525.2m	0.0076	0.01			
2017/18-5	000NONPJ	matrix spike, rec	7/3/2018	Pesticide	Malathion	n/a	=	118	%	EPA 525.2m	-88	-88	6	184	
2017/18-5	000NONPJ	matrix spike dup	7/3/2018	Pesticide	Malathion	n/a	=	0.0517	µg/L	EPA 525.2m	0.0076	0.01			
2017/18-5	000NONPJ	matrix spike dup, rec	7/3/2018	Pesticide	Malathion	n/a	=	103	%	EPA 525.2m	-88	-88	6	184	
2017/18-5	000NONPJ	matrix spike, RPD	7/3/2018	Pesticide	Malathion	n/a	=	13	%	EPA 525.2m	-88	-88	0	30	
2017/18-5	Lab	method blank	6/13/2018	Pesticide	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01			
2017/18-5	Lab	LCS	6/13/2018	Pesticide	Malathion	n/a	=	0.0536	µg/L	EPA 525.2m	0.0076	0.01			
2017/18-5	Lab	LCS, rec	6/13/2018	Pesticide	Malathion	n/a	=	107	%	EPA 525.2m	-88	-88	14	175	
2017/18-5	Lab	method blank	6/18/2018	Pesticide	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01			
2017/18-5	Lab	LCS	6/18/2018	Pesticide	Malathion	n/a	=	0.0646	µg/L	EPA 525.2m	0.0076	0.01			
2017/18-5	Lab	LCS, rec	6/18/2018	Pesticide	Malathion	n/a	=	129	%	EPA 525.2m	-88	-88	14	175	
2017/18-5	Lab	LCS dup	6/18/2018	Pesticide	Malathion	n/a	=	0.0433	µg/L	EPA 525.2m	0.0076	0.01			
2017/18-5	Lab	LCS dup, rec	6/18/2018	Pesticide	Malathion	n/a	=	87	%	EPA 525.2m	-88	-88	14	175	
2017/18-5	Lab	LCS, RPD	6/18/2018	Pesticide	Malathion	n/a	=	39	%	EPA 525.2m	-88	-88	0	30	IL
2017/18-5	Lab	method blank	7/3/2018	Pesticide	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01			
2017/18-5	Lab	LCS	7/3/2018	Pesticide	Malathion	n/a	=	0.0526	µg/L	EPA 525.2m	0.0076	0.01			
2017/18-5	Lab	LCS, rec	7/3/2018	Pesticide	Malathion	n/a	=	105	%	EPA 525.2m	-88	-88	14	175	
2017/18-5	ME-CC	matrix spike dup	6/13/2018	Pesticide	Malathion	n/a	=	0.103	µg/L	EPA 525.2m	0.0076	0.01			GB
2017/18-5	ME-CC	matrix spike dup, rec	6/13/2018	Pesticide	Malathion	n/a	=	206	%	EPA 525.2m	-88	-88	6	184	GB

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	ME-CC	matrix spike, RPD	6/13/2018	Pesticide	Malathion	n/a	=	44	%	EPA 525.2m	-88	-88	0	30	IL
2017/18-5	ME-CC	matrix spike	6/13/2018	Pesticide	Malathion	n/a	=	0.0658	µg/L	EPA 525.2m	0.0076	0.01			
2017/18-5	ME-CC	matrix spike, rec	6/13/2018	Pesticide	Malathion	n/a	=	132	%	EPA 525.2m	-88	-88	6	184	
2017/18-5	000NONPJ	matrix spike	7/3/2018	Pesticide	Merphos	n/a	=	0.0487	µg/L	EPA 525.2m	0.0058	0.01			
2017/18-5	000NONPJ	matrix spike, rec	7/3/2018	Pesticide	Merphos	n/a	=	97	%	EPA 525.2m	-88	-88	3	210	
2017/18-5	000NONPJ	matrix spike dup	7/3/2018	Pesticide	Merphos	n/a	=	0.038	µg/L	EPA 525.2m	0.0058	0.01			
2017/18-5	000NONPJ	matrix spike dup, rec	7/3/2018	Pesticide	Merphos	n/a	=	76	%	EPA 525.2m	-88	-88	3	210	
2017/18-5	000NONPJ	matrix spike, RPD	7/3/2018	Pesticide	Merphos	n/a	=	25	%	EPA 525.2m	-88	-88	0	30	
2017/18-5	Lab	method blank	6/13/2018	Pesticide	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01			
2017/18-5	Lab	LCS	6/13/2018	Pesticide	Merphos	n/a	=	0.052	µg/L	EPA 525.2m	0.0058	0.01			
2017/18-5	Lab	LCS, rec	6/13/2018	Pesticide	Merphos	n/a	=	104	%	EPA 525.2m	-88	-88	28	181	
2017/18-5	Lab	method blank	6/18/2018	Pesticide	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01			
2017/18-5	Lab	LCS	6/18/2018	Pesticide	Merphos	n/a	=	0.0774	µg/L	EPA 525.2m	0.0058	0.01			
2017/18-5	Lab	LCS, rec	6/18/2018	Pesticide	Merphos	n/a	=	155	%	EPA 525.2m	-88	-88	28	181	
2017/18-5	Lab	LCS dup	6/18/2018	Pesticide	Merphos	n/a	=	0.0861	µg/L	EPA 525.2m	0.0058	0.01			
2017/18-5	Lab	LCS dup, rec	6/18/2018	Pesticide	Merphos	n/a	=	172	%	EPA 525.2m	-88	-88	28	181	
2017/18-5	Lab	LCS, RPD	6/18/2018	Pesticide	Merphos	n/a	=	11	%	EPA 525.2m	-88	-88	0	30	
2017/18-5	Lab	method blank	7/3/2018	Pesticide	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01			
2017/18-5	Lab	LCS	7/3/2018	Pesticide	Merphos	n/a	=	0.044	µg/L	EPA 525.2m	0.0058	0.01			
2017/18-5	Lab	LCS, rec	7/3/2018	Pesticide	Merphos	n/a	=	88	%	EPA 525.2m	-88	-88	28	181	
2017/18-5	ME-CC	matrix spike dup	6/13/2018	Pesticide	Merphos	n/a	=	0.0578	µg/L	EPA 525.2m	0.0058	0.01			
2017/18-5	ME-CC	matrix spike dup, rec	6/13/2018	Pesticide	Merphos	n/a	=	116	%	EPA 525.2m	-88	-88	3	210	
2017/18-5	ME-CC	matrix spike, RPD	6/13/2018	Pesticide	Merphos	n/a	=	11	%	EPA 525.2m	-88	-88	0	30	
2017/18-5	ME-CC	matrix spike	6/13/2018	Pesticide	Merphos	n/a	=	0.0646	µg/L	EPA 525.2m	0.0058	0.01			
2017/18-5	ME-CC	matrix spike, rec	6/13/2018	Pesticide	Merphos	n/a	=	129	%	EPA 525.2m	-88	-88	3	210	
2017/18-5	000NONPJ	matrix spike	7/3/2018	Pesticide	Methyl parathion	n/a	=	0.062	µg/L	EPA 525.2m	0.0063	0.01			
2017/18-5	000NONPJ	matrix spike, rec	7/3/2018	Pesticide	Methyl parathion	n/a	=	124	%	EPA 525.2m	-88	-88	0.1	249	
2017/18-5	000NONPJ	matrix spike dup	7/3/2018	Pesticide	Methyl parathion	n/a	=	0.0634	µg/L	EPA 525.2m	0.0063	0.01			
2017/18-5	000NONPJ	matrix spike dup, rec	7/3/2018	Pesticide	Methyl parathion	n/a	=	127	%	EPA 525.2m	-88	-88	0.1	249	
2017/18-5	000NONPJ	matrix spike, RPD	7/3/2018	Pesticide	Methyl parathion	n/a	=	2	%	EPA 525.2m	-88	-88	0	30	
2017/18-5	Lab	method blank	6/13/2018	Pesticide	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01			
2017/18-5	Lab	LCS	6/13/2018	Pesticide	Methyl parathion	n/a	=	0.0573	µg/L	EPA 525.2m	0.0063	0.01			
2017/18-5	Lab	LCS, rec	6/13/2018	Pesticide	Methyl parathion	n/a	=	115	%	EPA 525.2m	-88	-88	0.1	252	
2017/18-5	Lab	method blank	6/18/2018	Pesticide	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01			
2017/18-5	Lab	LCS	6/18/2018	Pesticide	Methyl parathion	n/a	=	0.0738	µg/L	EPA 525.2m	0.0063	0.01			
2017/18-5	Lab	LCS, rec	6/18/2018	Pesticide	Methyl parathion	n/a	=	148	%	EPA 525.2m	-88	-88	0.1	252	
2017/18-5	Lab	LCS dup	6/18/2018	Pesticide	Methyl parathion	n/a	=	0.0528	µg/L	EPA 525.2m	0.0063	0.01			
2017/18-5	Lab	LCS dup, rec	6/18/2018	Pesticide	Methyl parathion	n/a	=	106	%	EPA 525.2m	-88	-88	0.1	252	
2017/18-5	Lab	LCS, RPD	6/18/2018	Pesticide	Methyl parathion	n/a	=	33	%	EPA 525.2m	-88	-88	0	30	IL
2017/18-5	Lab	method blank	7/3/2018	Pesticide	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01			
2017/18-5	Lab	LCS	7/3/2018	Pesticide	Methyl parathion	n/a	=	0.0608	µg/L	EPA 525.2m	0.0063	0.01			
2017/18-5	Lab	LCS, rec	7/3/2018	Pesticide	Methyl parathion	n/a	=	122	%	EPA 525.2m	-88	-88	0.1	252	
2017/18-5	ME-CC	matrix spike dup	6/13/2018	Pesticide	Methyl parathion	n/a	=	0.115	µg/L	EPA 525.2m	0.0063	0.01			
2017/18-5	ME-CC	matrix spike dup, rec	6/13/2018	Pesticide	Methyl parathion	n/a	=	229	%	EPA 525.2m	-88	-88	0.1	249	
2017/18-5	ME-CC	matrix spike, RPD	6/13/2018	Pesticide	Methyl parathion	n/a	=	34	%	EPA 525.2m	-88	-88	0	30	IL
2017/18-5	ME-CC	matrix spike	6/13/2018	Pesticide	Methyl parathion	n/a	=	0.0814	µg/L	EPA 525.2m	0.0063	0.01			
2017/18-5	ME-CC	matrix spike, rec	6/13/2018	Pesticide	Methyl parathion	n/a	=	163	%	EPA 525.2m	-88	-88	0.1	249	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	method blank	6/6/2018	Pesticide	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2017/18-5	Lab	LCS	6/6/2018	Pesticide	Metolachlor	n/a	=	5.16	µg/L	EPA 525.2	0.012	0.1			
2017/18-5	Lab	LCS, rec	6/6/2018	Pesticide	Metolachlor	n/a	=	103	%	EPA 525.2	-88	-88	60	130	
2017/18-5	Lab	LCS dup	6/6/2018	Pesticide	Metolachlor	n/a	=	5.21	µg/L	EPA 525.2	0.012	0.1			
2017/18-5	Lab	LCS dup, rec	6/6/2018	Pesticide	Metolachlor	n/a	=	104	%	EPA 525.2	-88	-88	60	130	
2017/18-5	Lab	LCS, RPD	6/6/2018	Pesticide	Metolachlor	n/a	=	1	%	EPA 525.2	-88	-88	0	30	
2017/18-5	Lab	method blank	6/14/2018	Pesticide	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2017/18-5	Lab	LCS	6/14/2018	Pesticide	Metolachlor	n/a	=	4.91	µg/L	EPA 525.2	0.012	0.1			
2017/18-5	Lab	LCS, rec	6/14/2018	Pesticide	Metolachlor	n/a	=	98	%	EPA 525.2	-88	-88	60	130	
2017/18-5	Lab	LCS dup	6/14/2018	Pesticide	Metolachlor	n/a	=	4.92	µg/L	EPA 525.2	0.012	0.1			
2017/18-5	Lab	LCS dup, rec	6/14/2018	Pesticide	Metolachlor	n/a	=	98	%	EPA 525.2	-88	-88	60	130	
2017/18-5	Lab	LCS, RPD	6/14/2018	Pesticide	Metolachlor	n/a	=	0.02	%	EPA 525.2	-88	-88	0	30	
2017/18-5	Lab	method blank	6/29/2018	Pesticide	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2017/18-5	Lab	LCS	6/29/2018	Pesticide	Metolachlor	n/a	=	4.53	µg/L	EPA 525.2	0.012	0.1			
2017/18-5	Lab	LCS, rec	6/29/2018	Pesticide	Metolachlor	n/a	=	91	%	EPA 525.2	-88	-88	60	130	
2017/18-5	Lab	LCS dup	6/29/2018	Pesticide	Metolachlor	n/a	=	4.77	µg/L	EPA 525.2	0.012	0.1			
2017/18-5	Lab	LCS dup, rec	6/29/2018	Pesticide	Metolachlor	n/a	=	95	%	EPA 525.2	-88	-88	60	130	
2017/18-5	Lab	LCS, RPD	6/29/2018	Pesticide	Metolachlor	n/a	=	5	%	EPA 525.2	-88	-88	0	30	
2017/18-5	Lab	method blank	7/2/2018	Pesticide	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2017/18-5	Lab	LCS	7/2/2018	Pesticide	Metolachlor	n/a	=	4.69	µg/L	EPA 525.2	0.012	0.1			
2017/18-5	Lab	LCS, rec	7/2/2018	Pesticide	Metolachlor	n/a	=	94	%	EPA 525.2	-88	-88	60	130	
2017/18-5	Lab	LCS dup	7/2/2018	Pesticide	Metolachlor	n/a	=	4.62	µg/L	EPA 525.2	0.012	0.1			
2017/18-5	Lab	LCS dup, rec	7/2/2018	Pesticide	Metolachlor	n/a	=	92	%	EPA 525.2	-88	-88	60	130	
2017/18-5	Lab	LCS, RPD	7/2/2018	Pesticide	Metolachlor	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2017/18-5	Lab	method blank	6/6/2018	Pesticide	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2017/18-5	Lab	LCS	6/6/2018	Pesticide	Metribuzin	n/a	=	5.09	µg/L	EPA 525.2	0.015	0.1			
2017/18-5	Lab	LCS, rec	6/6/2018	Pesticide	Metribuzin	n/a	=	102	%	EPA 525.2	-88	-88	50	120	
2017/18-5	Lab	LCS dup	6/6/2018	Pesticide	Metribuzin	n/a	=	5.36	µg/L	EPA 525.2	0.015	0.1			
2017/18-5	Lab	LCS dup, rec	6/6/2018	Pesticide	Metribuzin	n/a	=	107	%	EPA 525.2	-88	-88	50	120	
2017/18-5	Lab	LCS, RPD	6/6/2018	Pesticide	Metribuzin	n/a	=	5	%	EPA 525.2	-88	-88	0	30	
2017/18-5	Lab	method blank	6/14/2018	Pesticide	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2017/18-5	Lab	LCS	6/14/2018	Pesticide	Metribuzin	n/a	=	4.76	µg/L	EPA 525.2	0.015	0.1			
2017/18-5	Lab	LCS, rec	6/14/2018	Pesticide	Metribuzin	n/a	=	95	%	EPA 525.2	-88	-88	50	120	
2017/18-5	Lab	LCS dup	6/14/2018	Pesticide	Metribuzin	n/a	=	5.02	µg/L	EPA 525.2	0.015	0.1			
2017/18-5	Lab	LCS dup, rec	6/14/2018	Pesticide	Metribuzin	n/a	=	100	%	EPA 525.2	-88	-88	50	120	
2017/18-5	Lab	LCS, RPD	6/14/2018	Pesticide	Metribuzin	n/a	=	5	%	EPA 525.2	-88	-88	0	30	
2017/18-5	Lab	method blank	6/29/2018	Pesticide	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2017/18-5	Lab	LCS	6/29/2018	Pesticide	Metribuzin	n/a	=	4.65	µg/L	EPA 525.2	0.015	0.1			
2017/18-5	Lab	LCS, rec	6/29/2018	Pesticide	Metribuzin	n/a	=	93	%	EPA 525.2	-88	-88	50	120	
2017/18-5	Lab	LCS dup	6/29/2018	Pesticide	Metribuzin	n/a	=	4.89	µg/L	EPA 525.2	0.015	0.1			
2017/18-5	Lab	LCS dup, rec	6/29/2018	Pesticide	Metribuzin	n/a	=	98	%	EPA 525.2	-88	-88	50	120	
2017/18-5	Lab	LCS, RPD	6/29/2018	Pesticide	Metribuzin	n/a	=	5	%	EPA 525.2	-88	-88	0	30	
2017/18-5	Lab	method blank	7/2/2018	Pesticide	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2017/18-5	Lab	LCS	7/2/2018	Pesticide	Metribuzin	n/a	=	4.72	µg/L	EPA 525.2	0.015	0.1			
2017/18-5	Lab	LCS, rec	7/2/2018	Pesticide	Metribuzin	n/a	=	94	%	EPA 525.2	-88	-88	50	120	
2017/18-5	Lab	LCS dup	7/2/2018	Pesticide	Metribuzin	n/a	=	4.85	µg/L	EPA 525.2	0.015	0.1			
2017/18-5	Lab	LCS dup, rec	7/2/2018	Pesticide	Metribuzin	n/a	=	97	%	EPA 525.2	-88	-88	50	120	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	LCS, RPD	7/2/2018	Pesticide	Metribuzin	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2017/18-5	000NONPJ	matrix spike	7/3/2018	Pesticide	Mevinphos	n/a	=	0.0465	µg/L	EPA 525.2m	0.0042	0.01			
2017/18-5	000NONPJ	matrix spike, rec	7/3/2018	Pesticide	Mevinphos	n/a	=	93	%	EPA 525.2m	-88	-88	25	189	
2017/18-5	000NONPJ	matrix spike dup	7/3/2018	Pesticide	Mevinphos	n/a	=	0.034	µg/L	EPA 525.2m	0.0042	0.01			
2017/18-5	000NONPJ	matrix spike dup, rec	7/3/2018	Pesticide	Mevinphos	n/a	=	68	%	EPA 525.2m	-88	-88	25	189	
2017/18-5	000NONPJ	matrix spike, RPD	7/3/2018	Pesticide	Mevinphos	n/a	=	31	%	EPA 525.2m	-88	-88	0	30	IL
2017/18-5	Lab	method blank	6/13/2018	Pesticide	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01			
2017/18-5	Lab	LCS	6/13/2018	Pesticide	Mevinphos	n/a	=	0.0374	µg/L	EPA 525.2m	0.0042	0.01			
2017/18-5	Lab	LCS, rec	6/13/2018	Pesticide	Mevinphos	n/a	=	75	%	EPA 525.2m	-88	-88	14	202	
2017/18-5	Lab	method blank	6/18/2018	Pesticide	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01			
2017/18-5	Lab	LCS	6/18/2018	Pesticide	Mevinphos	n/a	=	0.0334	µg/L	EPA 525.2m	0.0042	0.01			
2017/18-5	Lab	LCS, rec	6/18/2018	Pesticide	Mevinphos	n/a	=	67	%	EPA 525.2m	-88	-88	14	202	
2017/18-5	Lab	LCS dup	6/18/2018	Pesticide	Mevinphos	n/a	=	0.0381	µg/L	EPA 525.2m	0.0042	0.01			
2017/18-5	Lab	LCS dup, rec	6/18/2018	Pesticide	Mevinphos	n/a	=	76	%	EPA 525.2m	-88	-88	14	202	
2017/18-5	Lab	LCS, RPD	6/18/2018	Pesticide	Mevinphos	n/a	=	13	%	EPA 525.2m	-88	-88	0	30	
2017/18-5	Lab	method blank	7/3/2018	Pesticide	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01			
2017/18-5	Lab	LCS	7/3/2018	Pesticide	Mevinphos	n/a	=	0.0311	µg/L	EPA 525.2m	0.0042	0.01			
2017/18-5	Lab	LCS, rec	7/3/2018	Pesticide	Mevinphos	n/a	=	62	%	EPA 525.2m	-88	-88	14	202	
2017/18-5	ME-CC	matrix spike dup	6/13/2018	Pesticide	Mevinphos	n/a	=	0.0422	µg/L	EPA 525.2m	0.0042	0.01			
2017/18-5	ME-CC	matrix spike dup, rec	6/13/2018	Pesticide	Mevinphos	n/a	=	84	%	EPA 525.2m	-88	-88	25	189	
2017/18-5	ME-CC	matrix spike, RPD	6/13/2018	Pesticide	Mevinphos	n/a	=	5	%	EPA 525.2m	-88	-88	0	30	
2017/18-5	ME-CC	matrix spike	6/13/2018	Pesticide	Mevinphos	n/a	=	0.0443	µg/L	EPA 525.2m	0.0042	0.01			
2017/18-5	ME-CC	matrix spike, rec	6/13/2018	Pesticide	Mevinphos	n/a	=	89	%	EPA 525.2m	-88	-88	25	189	
2017/18-5	Lab	method blank	6/6/2018	Pesticide	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1			
2017/18-5	Lab	LCS	6/6/2018	Pesticide	Molinate	n/a	=	5.14	µg/L	EPA 525.2	0.039	0.1			
2017/18-5	Lab	LCS, rec	6/6/2018	Pesticide	Molinate	n/a	=	103	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS dup	6/6/2018	Pesticide	Molinate	n/a	=	5.25	µg/L	EPA 525.2	0.039	0.1			
2017/18-5	Lab	LCS dup, rec	6/6/2018	Pesticide	Molinate	n/a	=	105	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS, RPD	6/6/2018	Pesticide	Molinate	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2017/18-5	Lab	method blank	6/14/2018	Pesticide	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1			
2017/18-5	Lab	LCS	6/14/2018	Pesticide	Molinate	n/a	=	4.82	µg/L	EPA 525.2	0.039	0.1			
2017/18-5	Lab	LCS, rec	6/14/2018	Pesticide	Molinate	n/a	=	96	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS dup	6/14/2018	Pesticide	Molinate	n/a	=	4.84	µg/L	EPA 525.2	0.039	0.1			
2017/18-5	Lab	LCS dup, rec	6/14/2018	Pesticide	Molinate	n/a	=	97	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS, RPD	6/14/2018	Pesticide	Molinate	n/a	=	0.5	%	EPA 525.2	-88	-88	0	30	
2017/18-5	Lab	method blank	6/29/2018	Pesticide	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1			
2017/18-5	Lab	LCS	6/29/2018	Pesticide	Molinate	n/a	=	4.76	µg/L	EPA 525.2	0.039	0.1			
2017/18-5	Lab	LCS, rec	6/29/2018	Pesticide	Molinate	n/a	=	95	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS dup	6/29/2018	Pesticide	Molinate	n/a	=	4.93	µg/L	EPA 525.2	0.039	0.1			
2017/18-5	Lab	LCS dup, rec	6/29/2018	Pesticide	Molinate	n/a	=	99	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS, RPD	6/29/2018	Pesticide	Molinate	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2017/18-5	Lab	method blank	7/2/2018	Pesticide	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1			
2017/18-5	Lab	LCS	7/2/2018	Pesticide	Molinate	n/a	=	4.81	µg/L	EPA 525.2	0.039	0.1			
2017/18-5	Lab	LCS, rec	7/2/2018	Pesticide	Molinate	n/a	=	96	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS dup	7/2/2018	Pesticide	Molinate	n/a	=	4.86	µg/L	EPA 525.2	0.039	0.1			
2017/18-5	Lab	LCS dup, rec	7/2/2018	Pesticide	Molinate	n/a	=	97	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS, RPD	7/2/2018	Pesticide	Molinate	n/a	=	1	%	EPA 525.2	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	000NONPJ	matrix spike	7/3/2018	Pesticide	Naled	n/a	=	0.0412	µg/L	EPA 525.2m	0.0076	0.01			
2017/18-5	000NONPJ	matrix spike, rec	7/3/2018	Pesticide	Naled	n/a	=	82	%	EPA 525.2m	-88	-88	0.1	242	
2017/18-5	000NONPJ	matrix spike dup	7/3/2018	Pesticide	Naled	n/a	=	0.0379	µg/L	EPA 525.2m	0.0076	0.01			
2017/18-5	000NONPJ	matrix spike dup, rec	7/3/2018	Pesticide	Naled	n/a	=	76	%	EPA 525.2m	-88	-88	0.1	242	
2017/18-5	000NONPJ	matrix spike, RPD	7/3/2018	Pesticide	Naled	n/a	=	8	%	EPA 525.2m	-88	-88	0	30	
2017/18-5	Lab	method blank	6/13/2018	Pesticide	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01			
2017/18-5	Lab	LCS	6/13/2018	Pesticide	Naled	n/a	=	0.0311	µg/L	EPA 525.2m	0.0076	0.01			
2017/18-5	Lab	LCS, rec	6/13/2018	Pesticide	Naled	n/a	=	62	%	EPA 525.2m	-88	-88	0.1	240	
2017/18-5	Lab	method blank	6/18/2018	Pesticide	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01			
2017/18-5	Lab	LCS	6/18/2018	Pesticide	Naled	n/a	=	0.0168	µg/L	EPA 525.2m	0.0076	0.01			
2017/18-5	Lab	LCS, rec	6/18/2018	Pesticide	Naled	n/a	=	34	%	EPA 525.2m	-88	-88	0.1	240	
2017/18-5	Lab	LCS dup	6/18/2018	Pesticide	Naled	n/a	=	0.0212	µg/L	EPA 525.2m	0.0076	0.01			
2017/18-5	Lab	LCS dup, rec	6/18/2018	Pesticide	Naled	n/a	=	42	%	EPA 525.2m	-88	-88	0.1	240	
2017/18-5	Lab	LCS, RPD	6/18/2018	Pesticide	Naled	n/a	=	23	%	EPA 525.2m	-88	-88	0	30	
2017/18-5	Lab	method blank	7/3/2018	Pesticide	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01			
2017/18-5	Lab	LCS	7/3/2018	Pesticide	Naled	n/a	=	0.0417	µg/L	EPA 525.2m	0.0076	0.01			
2017/18-5	Lab	LCS, rec	7/3/2018	Pesticide	Naled	n/a	=	83	%	EPA 525.2m	-88	-88	0.1	240	
2017/18-5	ME-CC	matrix spike dup	6/13/2018	Pesticide	Naled	n/a	=	0.0555	µg/L	EPA 525.2m	0.0076	0.01			
2017/18-5	ME-CC	matrix spike dup, rec	6/13/2018	Pesticide	Naled	n/a	=	111	%	EPA 525.2m	-88	-88	0.1	242	
2017/18-5	ME-CC	matrix spike, RPD	6/13/2018	Pesticide	Naled	n/a	=	8	%	EPA 525.2m	-88	-88	0	30	
2017/18-5	ME-CC	matrix spike	6/13/2018	Pesticide	Naled	n/a	=	0.0515	µg/L	EPA 525.2m	0.0076	0.01			
2017/18-5	ME-CC	matrix spike, rec	6/13/2018	Pesticide	Naled	n/a	=	103	%	EPA 525.2m	-88	-88	0.1	242	
2017/18-5	000NONPJ	matrix spike	6/12/2018	Pesticide	Pentachlorophenol	n/a	=	3.95	µg/L	EPA 515.3	0.04	0.2			
2017/18-5	000NONPJ	matrix spike, rec	6/12/2018	Pesticide	Pentachlorophenol	n/a	=	99	%	EPA 515.3	-88	-88	70	130	
2017/18-5	000NONPJ	matrix spike dup	6/12/2018	Pesticide	Pentachlorophenol	n/a	=	4.04	µg/L	EPA 515.3	0.04	0.2			
2017/18-5	000NONPJ	matrix spike dup, rec	6/12/2018	Pesticide	Pentachlorophenol	n/a	=	101	%	EPA 515.3	-88	-88	70	130	
2017/18-5	000NONPJ	matrix spike, RPD	6/12/2018	Pesticide	Pentachlorophenol	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2017/18-5	Lab	method blank	6/8/2018	Pesticide	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2017/18-5	Lab	LCS	6/8/2018	Pesticide	Pentachlorophenol	n/a	=	19.3	µg/L	EPA 625	0.19	1			
2017/18-5	Lab	LCS, rec	6/8/2018	Pesticide	Pentachlorophenol	n/a	=	77	%	EPA 625	-88	-88	14	176	
2017/18-5	Lab	LCS dup	6/8/2018	Pesticide	Pentachlorophenol	n/a	=	20	µg/L	EPA 625	0.19	1			
2017/18-5	Lab	LCS dup, rec	6/8/2018	Pesticide	Pentachlorophenol	n/a	=	80	%	EPA 625	-88	-88	14	176	
2017/18-5	Lab	LCS, RPD	6/8/2018	Pesticide	Pentachlorophenol	n/a	=	4	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/12/2018	Pesticide	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2			
2017/18-5	Lab	LCS	6/12/2018	Pesticide	Pentachlorophenol	n/a	=	3.76	µg/L	EPA 515.3	0.04	0.2			
2017/18-5	Lab	LCS, rec	6/12/2018	Pesticide	Pentachlorophenol	n/a	=	94	%	EPA 515.3	-88	-88	70	130	
2017/18-5	Lab	method blank	6/13/2018	Pesticide	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2			
2017/18-5	Lab	LCS	6/13/2018	Pesticide	Pentachlorophenol	n/a	=	3.96	µg/L	EPA 515.3	0.04	0.2			
2017/18-5	Lab	LCS, rec	6/13/2018	Pesticide	Pentachlorophenol	n/a	=	99	%	EPA 515.3	-88	-88	70	130	
2017/18-5	Lab	method blank	6/18/2018	Pesticide	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1			
2017/18-5	Lab	LCS	6/18/2018	Pesticide	Pentachlorophenol	n/a	=	11.3	µg/L	EPA 8270C	0.15	1			EUM
2017/18-5	Lab	LCS, rec	6/18/2018	Pesticide	Pentachlorophenol	n/a	=	113	%	EPA 8270C	-88	-88	29	106	EUM
2017/18-5	Lab	LCS dup	6/18/2018	Pesticide	Pentachlorophenol	n/a	=	10.6	µg/L	EPA 8270C	0.15	1			
2017/18-5	Lab	LCS dup, rec	6/18/2018	Pesticide	Pentachlorophenol	n/a	=	106	%	EPA 8270C	-88	-88	29	106	
2017/18-5	Lab	LCS, RPD	6/18/2018	Pesticide	Pentachlorophenol	n/a	=	6	%	EPA 8270C	-88	-88	0	30	
2017/18-5	Lab	method blank	6/19/2018	Pesticide	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1			
2017/18-5	Lab	LCS	6/19/2018	Pesticide	Pentachlorophenol	n/a	=	10.4	µg/L	EPA 8270C	0.15	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	LCS, rec	6/19/2018	Pesticide	Pentachlorophenol	n/a	=	104	%	EPA 8270C	-88	-88	29	106	
2017/18-5	Lab	LCS dup	6/19/2018	Pesticide	Pentachlorophenol	n/a	=	10.3	µg/L	EPA 8270C	0.15	1			
2017/18-5	Lab	LCS dup, rec	6/19/2018	Pesticide	Pentachlorophenol	n/a	=	103	%	EPA 8270C	-88	-88	29	106	
2017/18-5	Lab	LCS, RPD	6/19/2018	Pesticide	Pentachlorophenol	n/a	=	1	%	EPA 8270C	-88	-88	0	30	
2017/18-5	Lab	method blank	6/19/2018	Pesticide	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2017/18-5	Lab	LCS	6/19/2018	Pesticide	Pentachlorophenol	n/a	=	17.3	µg/L	EPA 625	0.19	1			
2017/18-5	Lab	LCS, rec	6/19/2018	Pesticide	Pentachlorophenol	n/a	=	69	%	EPA 625	-88	-88	14	176	
2017/18-5	Lab	LCS dup	6/19/2018	Pesticide	Pentachlorophenol	n/a	=	18.8	µg/L	EPA 625	0.19	1			
2017/18-5	Lab	LCS dup, rec	6/19/2018	Pesticide	Pentachlorophenol	n/a	=	75	%	EPA 625	-88	-88	14	176	
2017/18-5	Lab	LCS, RPD	6/19/2018	Pesticide	Pentachlorophenol	n/a	=	8	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	6/28/2018	Pesticide	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2			
2017/18-5	Lab	method blank	6/28/2018	Pesticide	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2017/18-5	Lab	LCS	6/28/2018	Pesticide	Pentachlorophenol	n/a	=	3.97	µg/L	EPA 515.3	0.04	0.2			
2017/18-5	Lab	LCS, rec	6/28/2018	Pesticide	Pentachlorophenol	n/a	=	99	%	EPA 515.3	-88	-88	70	130	
2017/18-5	Lab	LCS	6/28/2018	Pesticide	Pentachlorophenol	n/a	=	16	µg/L	EPA 625	0.19	1			
2017/18-5	Lab	LCS, rec	6/28/2018	Pesticide	Pentachlorophenol	n/a	=	64	%	EPA 625	-88	-88	14	176	
2017/18-5	Lab	LCS dup	6/28/2018	Pesticide	Pentachlorophenol	n/a	=	14.5	µg/L	EPA 625	0.19	1			
2017/18-5	Lab	LCS dup, rec	6/28/2018	Pesticide	Pentachlorophenol	n/a	=	58	%	EPA 625	-88	-88	14	176	
2017/18-5	Lab	LCS, RPD	6/28/2018	Pesticide	Pentachlorophenol	n/a	=	10	%	EPA 625	-88	-88	0	30	
2017/18-5	Lab	method blank	7/3/2018	Pesticide	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1			
2017/18-5	Lab	LCS	7/3/2018	Pesticide	Pentachlorophenol	n/a	=	11.2	µg/L	EPA 8270C	0.15	1			EUM
2017/18-5	Lab	LCS, rec	7/3/2018	Pesticide	Pentachlorophenol	n/a	=	112	%	EPA 8270C	-88	-88	29	106	EUM
2017/18-5	Lab	LCS dup	7/3/2018	Pesticide	Pentachlorophenol	n/a	=	10.5	µg/L	EPA 8270C	0.15	1			
2017/18-5	Lab	LCS dup, rec	7/3/2018	Pesticide	Pentachlorophenol	n/a	=	105	%	EPA 8270C	-88	-88	29	106	
2017/18-5	Lab	LCS, RPD	7/3/2018	Pesticide	Pentachlorophenol	n/a	=	7	%	EPA 8270C	-88	-88	0	30	
2017/18-5	ME-SCR	matrix spike	6/13/2018	Pesticide	Pentachlorophenol	n/a	=	3.69	µg/L	EPA 515.3	0.04	0.2			
2017/18-5	ME-SCR	matrix spike, rec	6/13/2018	Pesticide	Pentachlorophenol	n/a	=	92	%	EPA 515.3	-88	-88	70	130	
2017/18-5	ME-SCR	matrix spike dup	6/13/2018	Pesticide	Pentachlorophenol	n/a	=	3.69	µg/L	EPA 515.3	0.04	0.2			
2017/18-5	ME-SCR	matrix spike dup, rec	6/13/2018	Pesticide	Pentachlorophenol	n/a	=	92	%	EPA 515.3	-88	-88	70	130	
2017/18-5	ME-SCR	matrix spike, RPD	6/13/2018	Pesticide	Pentachlorophenol	n/a	=	0.03	%	EPA 515.3	-88	-88	0	30	
2017/18-5	ME-VR2	matrix spike	6/28/2018	Pesticide	Pentachlorophenol	n/a	=	3.8	µg/L	EPA 515.3	0.04	0.2			
2017/18-5	ME-VR2	matrix spike, rec	6/28/2018	Pesticide	Pentachlorophenol	n/a	=	95	%	EPA 515.3	-88	-88	70	130	
2017/18-5	ME-VR2	matrix spike dup	6/28/2018	Pesticide	Pentachlorophenol	n/a	=	3.82	µg/L	EPA 515.3	0.04	0.2			
2017/18-5	ME-VR2	matrix spike dup, rec	6/28/2018	Pesticide	Pentachlorophenol	n/a	=	96	%	EPA 515.3	-88	-88	70	130	
2017/18-5	ME-VR2	matrix spike, RPD	6/28/2018	Pesticide	Pentachlorophenol	n/a	=	0.8	%	EPA 515.3	-88	-88	0	30	
2017/18-5	MO-OJA	matrix spike	6/28/2018	Pesticide	Pentachlorophenol	n/a	=	3.71	µg/L	EPA 515.3	0.04	0.2			
2017/18-5	MO-OJA	matrix spike, rec	6/28/2018	Pesticide	Pentachlorophenol	n/a	=	93	%	EPA 515.3	-88	-88	70	130	
2017/18-5	MO-OJA	matrix spike dup	6/28/2018	Pesticide	Pentachlorophenol	n/a	=	3.82	µg/L	EPA 515.3	0.04	0.2			
2017/18-5	MO-OJA	matrix spike dup, rec	6/28/2018	Pesticide	Pentachlorophenol	n/a	=	95	%	EPA 515.3	-88	-88	70	130	
2017/18-5	MO-OJA	matrix spike, RPD	6/28/2018	Pesticide	Pentachlorophenol	n/a	=	3	%	EPA 515.3	-88	-88	0	30	
2017/18-5	000NONPJ	matrix spike	7/3/2018	Pesticide	Phorate	n/a	=	0.0519	µg/L	EPA 525.2m	0.003	0.01			
2017/18-5	000NONPJ	matrix spike, rec	7/3/2018	Pesticide	Phorate	n/a	=	104	%	EPA 525.2m	-88	-88	31	181	
2017/18-5	000NONPJ	matrix spike dup	7/3/2018	Pesticide	Phorate	n/a	=	0.0502	µg/L	EPA 525.2m	0.003	0.01			
2017/18-5	000NONPJ	matrix spike dup, rec	7/3/2018	Pesticide	Phorate	n/a	=	100	%	EPA 525.2m	-88	-88	31	181	
2017/18-5	000NONPJ	matrix spike, RPD	7/3/2018	Pesticide	Phorate	n/a	=	3	%	EPA 525.2m	-88	-88	0	30	
2017/18-5	Lab	method blank	6/13/2018	Pesticide	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01			
2017/18-5	Lab	LCS	6/13/2018	Pesticide	Phorate	n/a	=	0.052	µg/L	EPA 525.2m	0.003	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	LCS, rec	6/13/2018	Pesticide	Phorate	n/a	=	104	%	EPA 525.2m	-88	-88	26	180	
2017/18-5	Lab	method blank	6/18/2018	Pesticide	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01			
2017/18-5	Lab	LCS	6/18/2018	Pesticide	Phorate	n/a	=	0.0602	µg/L	EPA 525.2m	0.003	0.01			
2017/18-5	Lab	LCS, rec	6/18/2018	Pesticide	Phorate	n/a	=	120	%	EPA 525.2m	-88	-88	26	180	
2017/18-5	Lab	LCS dup	6/18/2018	Pesticide	Phorate	n/a	=	0.0528	µg/L	EPA 525.2m	0.003	0.01			
2017/18-5	Lab	LCS dup, rec	6/18/2018	Pesticide	Phorate	n/a	=	106	%	EPA 525.2m	-88	-88	26	180	
2017/18-5	Lab	LCS, RPD	6/18/2018	Pesticide	Phorate	n/a	=	13	%	EPA 525.2m	-88	-88	0	30	
2017/18-5	Lab	method blank	7/3/2018	Pesticide	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01			
2017/18-5	Lab	LCS	7/3/2018	Pesticide	Phorate	n/a	=	0.0473	µg/L	EPA 525.2m	0.003	0.01			
2017/18-5	Lab	LCS, rec	7/3/2018	Pesticide	Phorate	n/a	=	95	%	EPA 525.2m	-88	-88	26	180	
2017/18-5	ME-CC	matrix spike dup	6/13/2018	Pesticide	Phorate	n/a	=	0.0677	µg/L	EPA 525.2m	0.003	0.01			
2017/18-5	ME-CC	matrix spike dup, rec	6/13/2018	Pesticide	Phorate	n/a	=	135	%	EPA 525.2m	-88	-88	31	181	
2017/18-5	ME-CC	matrix spike, RPD	6/13/2018	Pesticide	Phorate	n/a	=	12	%	EPA 525.2m	-88	-88	0	30	
2017/18-5	ME-CC	matrix spike	6/13/2018	Pesticide	Phorate	n/a	=	0.0603	µg/L	EPA 525.2m	0.003	0.01			
2017/18-5	ME-CC	matrix spike, rec	6/13/2018	Pesticide	Phorate	n/a	=	121	%	EPA 525.2m	-88	-88	31	181	
2017/18-5	000NONPJ	matrix spike	6/12/2018	Pesticide	Picloram	n/a	=	4.23	µg/L	EPA 515.3	0.05	0.6			
2017/18-5	000NONPJ	matrix spike, rec	6/12/2018	Pesticide	Picloram	n/a	=	106	%	EPA 515.3	-88	-88	70	130	
2017/18-5	000NONPJ	matrix spike dup	6/12/2018	Pesticide	Picloram	n/a	=	4.52	µg/L	EPA 515.3	0.05	0.6			
2017/18-5	000NONPJ	matrix spike dup, rec	6/12/2018	Pesticide	Picloram	n/a	=	113	%	EPA 515.3	-88	-88	70	130	
2017/18-5	000NONPJ	matrix spike, RPD	6/12/2018	Pesticide	Picloram	n/a	=	7	%	EPA 515.3	-88	-88	0	30	
2017/18-5	Lab	method blank	6/12/2018	Pesticide	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6			
2017/18-5	Lab	LCS	6/12/2018	Pesticide	Picloram	n/a	=	4.05	µg/L	EPA 515.3	0.05	0.6			
2017/18-5	Lab	LCS, rec	6/12/2018	Pesticide	Picloram	n/a	=	101	%	EPA 515.3	-88	-88	70	130	
2017/18-5	Lab	method blank	6/13/2018	Pesticide	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6			
2017/18-5	Lab	LCS	6/13/2018	Pesticide	Picloram	n/a	=	4.15	µg/L	EPA 515.3	0.05	0.6			
2017/18-5	Lab	LCS, rec	6/13/2018	Pesticide	Picloram	n/a	=	104	%	EPA 515.3	-88	-88	70	130	
2017/18-5	Lab	method blank	6/28/2018	Pesticide	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6			
2017/18-5	Lab	LCS	6/28/2018	Pesticide	Picloram	n/a	=	4.34	µg/L	EPA 515.3	0.05	0.6			
2017/18-5	Lab	LCS, rec	6/28/2018	Pesticide	Picloram	n/a	=	108	%	EPA 515.3	-88	-88	70	130	
2017/18-5	ME-SCR	matrix spike	6/13/2018	Pesticide	Picloram	n/a	=	4.12	µg/L	EPA 515.3	0.05	0.6			
2017/18-5	ME-SCR	matrix spike, rec	6/13/2018	Pesticide	Picloram	n/a	=	103	%	EPA 515.3	-88	-88	70	130	
2017/18-5	ME-SCR	matrix spike dup	6/13/2018	Pesticide	Picloram	n/a	=	4.18	µg/L	EPA 515.3	0.05	0.6			
2017/18-5	ME-SCR	matrix spike dup, rec	6/13/2018	Pesticide	Picloram	n/a	=	104	%	EPA 515.3	-88	-88	70	130	
2017/18-5	ME-SCR	matrix spike, RPD	6/13/2018	Pesticide	Picloram	n/a	=	1	%	EPA 515.3	-88	-88	0	30	
2017/18-5	ME-VR2	matrix spike	6/28/2018	Pesticide	Picloram	n/a	=	3.76	µg/L	EPA 515.3	0.05	0.6			
2017/18-5	ME-VR2	matrix spike, rec	6/28/2018	Pesticide	Picloram	n/a	=	94	%	EPA 515.3	-88	-88	70	130	
2017/18-5	ME-VR2	matrix spike dup	6/28/2018	Pesticide	Picloram	n/a	=	3.69	µg/L	EPA 515.3	0.05	0.6			
2017/18-5	ME-VR2	matrix spike dup, rec	6/28/2018	Pesticide	Picloram	n/a	=	92	%	EPA 515.3	-88	-88	70	130	
2017/18-5	ME-VR2	matrix spike, RPD	6/28/2018	Pesticide	Picloram	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2017/18-5	MO-OJA	matrix spike	6/28/2018	Pesticide	Picloram	n/a	=	3.73	µg/L	EPA 515.3	0.05	0.6			
2017/18-5	MO-OJA	matrix spike, rec	6/28/2018	Pesticide	Picloram	n/a	=	93	%	EPA 515.3	-88	-88	70	130	
2017/18-5	MO-OJA	matrix spike dup	6/28/2018	Pesticide	Picloram	n/a	=	3.72	µg/L	EPA 515.3	0.05	0.6			
2017/18-5	MO-OJA	matrix spike dup, rec	6/28/2018	Pesticide	Picloram	n/a	=	93	%	EPA 515.3	-88	-88	70	130	
2017/18-5	MO-OJA	matrix spike, RPD	6/28/2018	Pesticide	Picloram	n/a	=	0.08	%	EPA 515.3	-88	-88	0	30	
2017/18-5	Lab	method blank	6/6/2018	Pesticide	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2017/18-5	Lab	LCS	6/6/2018	Pesticide	Prometon	n/a	=	1.98	µg/L	EPA 525.2	0.024	0.2			
2017/18-5	Lab	LCS, rec	6/6/2018	Pesticide	Prometon	n/a	=	40	%	EPA 525.2	-88	-88	15	120	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	LCS dup	6/6/2018	Pesticide	Prometon	n/a	=	1.79	µg/L	EPA 525.2	0.024	0.2			
2017/18-5	Lab	LCS dup, rec	6/6/2018	Pesticide	Prometon	n/a	=	36	%	EPA 525.2	-88	-88	15	120	
2017/18-5	Lab	LCS, RPD	6/6/2018	Pesticide	Prometon	n/a	=	10	%	EPA 525.2	-88	-88	0	30	
2017/18-5	Lab	method blank	6/14/2018	Pesticide	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2017/18-5	Lab	LCS	6/14/2018	Pesticide	Prometon	n/a	=	2.1	µg/L	EPA 525.2	0.024	0.2			
2017/18-5	Lab	LCS, rec	6/14/2018	Pesticide	Prometon	n/a	=	42	%	EPA 525.2	-88	-88	15	120	
2017/18-5	Lab	LCS dup	6/14/2018	Pesticide	Prometon	n/a	=	1.93	µg/L	EPA 525.2	0.024	0.2			
2017/18-5	Lab	LCS dup, rec	6/14/2018	Pesticide	Prometon	n/a	=	39	%	EPA 525.2	-88	-88	15	120	
2017/18-5	Lab	LCS, RPD	6/14/2018	Pesticide	Prometon	n/a	=	9	%	EPA 525.2	-88	-88	0	30	
2017/18-5	Lab	method blank	6/29/2018	Pesticide	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2017/18-5	Lab	LCS	6/29/2018	Pesticide	Prometon	n/a	=	1.99	µg/L	EPA 525.2	0.024	0.2			
2017/18-5	Lab	LCS, rec	6/29/2018	Pesticide	Prometon	n/a	=	40	%	EPA 525.2	-88	-88	15	120	
2017/18-5	Lab	LCS dup	6/29/2018	Pesticide	Prometon	n/a	=	1.32	µg/L	EPA 525.2	0.024	0.2			
2017/18-5	Lab	LCS dup, rec	6/29/2018	Pesticide	Prometon	n/a	=	26	%	EPA 525.2	-88	-88	15	120	
2017/18-5	Lab	LCS, RPD	6/29/2018	Pesticide	Prometon	n/a	=	41	%	EPA 525.2	-88	-88	0	30	IL
2017/18-5	Lab	method blank	7/2/2018	Pesticide	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2017/18-5	Lab	LCS	7/2/2018	Pesticide	Prometon	n/a	=	1.96	µg/L	EPA 525.2	0.024	0.2			
2017/18-5	Lab	LCS, rec	7/2/2018	Pesticide	Prometon	n/a	=	39	%	EPA 525.2	-88	-88	15	120	
2017/18-5	Lab	LCS dup	7/2/2018	Pesticide	Prometon	n/a	=	1.25	µg/L	EPA 525.2	0.024	0.2			
2017/18-5	Lab	LCS dup, rec	7/2/2018	Pesticide	Prometon	n/a	=	25	%	EPA 525.2	-88	-88	15	120	
2017/18-5	Lab	LCS, RPD	7/2/2018	Pesticide	Prometon	n/a	=	44	%	EPA 525.2	-88	-88	0	30	IL
2017/18-5	Lab	method blank	6/6/2018	Pesticide	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1			
2017/18-5	Lab	LCS	6/6/2018	Pesticide	Prometryn	n/a	=	4.46	µg/L	EPA 525.2	0.036	0.1			
2017/18-5	Lab	LCS, rec	6/6/2018	Pesticide	Prometryn	n/a	=	89	%	EPA 525.2	-88	-88	30	120	
2017/18-5	Lab	LCS dup	6/6/2018	Pesticide	Prometryn	n/a	=	4.25	µg/L	EPA 525.2	0.036	0.1			
2017/18-5	Lab	LCS dup, rec	6/6/2018	Pesticide	Prometryn	n/a	=	85	%	EPA 525.2	-88	-88	30	120	
2017/18-5	Lab	LCS, RPD	6/6/2018	Pesticide	Prometryn	n/a	=	5	%	EPA 525.2	-88	-88	0	30	
2017/18-5	Lab	method blank	6/14/2018	Pesticide	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1			
2017/18-5	Lab	LCS	6/14/2018	Pesticide	Prometryn	n/a	=	4.55	µg/L	EPA 525.2	0.036	0.1			
2017/18-5	Lab	LCS, rec	6/14/2018	Pesticide	Prometryn	n/a	=	91	%	EPA 525.2	-88	-88	30	120	
2017/18-5	Lab	LCS dup	6/14/2018	Pesticide	Prometryn	n/a	=	4.51	µg/L	EPA 525.2	0.036	0.1			
2017/18-5	Lab	LCS dup, rec	6/14/2018	Pesticide	Prometryn	n/a	=	90	%	EPA 525.2	-88	-88	30	120	
2017/18-5	Lab	LCS, RPD	6/14/2018	Pesticide	Prometryn	n/a	=	1	%	EPA 525.2	-88	-88	0	30	
2017/18-5	Lab	method blank	6/29/2018	Pesticide	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1			
2017/18-5	Lab	LCS	6/29/2018	Pesticide	Prometryn	n/a	=	3.97	µg/L	EPA 525.2	0.036	0.1			
2017/18-5	Lab	LCS, rec	6/29/2018	Pesticide	Prometryn	n/a	=	79	%	EPA 525.2	-88	-88	30	120	
2017/18-5	Lab	LCS dup	6/29/2018	Pesticide	Prometryn	n/a	=	3.78	µg/L	EPA 525.2	0.036	0.1			
2017/18-5	Lab	LCS dup, rec	6/29/2018	Pesticide	Prometryn	n/a	=	76	%	EPA 525.2	-88	-88	30	120	
2017/18-5	Lab	LCS, RPD	6/29/2018	Pesticide	Prometryn	n/a	=	5	%	EPA 525.2	-88	-88	0	30	
2017/18-5	Lab	method blank	7/2/2018	Pesticide	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1			
2017/18-5	Lab	LCS	7/2/2018	Pesticide	Prometryn	n/a	=	4.06	µg/L	EPA 525.2	0.036	0.1			
2017/18-5	Lab	LCS, rec	7/2/2018	Pesticide	Prometryn	n/a	=	81	%	EPA 525.2	-88	-88	30	120	
2017/18-5	Lab	LCS dup	7/2/2018	Pesticide	Prometryn	n/a	=	3.7	µg/L	EPA 525.2	0.036	0.1			
2017/18-5	Lab	LCS dup, rec	7/2/2018	Pesticide	Prometryn	n/a	=	74	%	EPA 525.2	-88	-88	30	120	
2017/18-5	Lab	LCS, RPD	7/2/2018	Pesticide	Prometryn	n/a	=	9	%	EPA 525.2	-88	-88	0	30	
2017/18-5	000NONPJ	matrix spike	7/3/2018	Pesticide	Ronnel (Fenchlorphos)	n/a	=	0.0591	µg/L	EPA 525.2m	0.0041	0.01			
2017/18-5	000NONPJ	matrix spike, rec	7/3/2018	Pesticide	Ronnel (Fenchlorphos)	n/a	=	118	%	EPA 525.2m	-88	-88	29	153	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	000NONPJ	matrix spike dup	7/3/2018	Pesticide	Ronnel (Fenchlorphos)	n/a	=	0.0531	µg/L	EPA 525.2m	0.0041	0.01			
2017/18-5	000NONPJ	matrix spike dup, rec	7/3/2018	Pesticide	Ronnel (Fenchlorphos)	n/a	=	106	%	EPA 525.2m	-88	-88	29	153	
2017/18-5	000NONPJ	matrix spike, RPD	7/3/2018	Pesticide	Ronnel (Fenchlorphos)	n/a	=	11	%	EPA 525.2m	-88	-88	0	30	
2017/18-5	Lab	method blank	6/13/2018	Pesticide	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01			
2017/18-5	Lab	LCS	6/13/2018	Pesticide	Ronnel (Fenchlorphos)	n/a	=	0.051	µg/L	EPA 525.2m	0.0041	0.01			
2017/18-5	Lab	LCS, rec	6/13/2018	Pesticide	Ronnel (Fenchlorphos)	n/a	=	102	%	EPA 525.2m	-88	-88	34	154	
2017/18-5	Lab	method blank	6/18/2018	Pesticide	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01			
2017/18-5	Lab	LCS	6/18/2018	Pesticide	Ronnel (Fenchlorphos)	n/a	=	0.0575	µg/L	EPA 525.2m	0.0041	0.01			
2017/18-5	Lab	LCS, rec	6/18/2018	Pesticide	Ronnel (Fenchlorphos)	n/a	=	115	%	EPA 525.2m	-88	-88	34	154	
2017/18-5	Lab	LCS dup	6/18/2018	Pesticide	Ronnel (Fenchlorphos)	n/a	=	0.0455	µg/L	EPA 525.2m	0.0041	0.01			
2017/18-5	Lab	LCS dup, rec	6/18/2018	Pesticide	Ronnel (Fenchlorphos)	n/a	=	91	%	EPA 525.2m	-88	-88	34	154	
2017/18-5	Lab	LCS, RPD	6/18/2018	Pesticide	Ronnel (Fenchlorphos)	n/a	=	23	%	EPA 525.2m	-88	-88	0	30	
2017/18-5	Lab	method blank	7/3/2018	Pesticide	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01			
2017/18-5	Lab	LCS	7/3/2018	Pesticide	Ronnel (Fenchlorphos)	n/a	=	0.0527	µg/L	EPA 525.2m	0.0041	0.01			
2017/18-5	Lab	LCS, rec	7/3/2018	Pesticide	Ronnel (Fenchlorphos)	n/a	=	105	%	EPA 525.2m	-88	-88	34	154	
2017/18-5	ME-CC	matrix spike dup	6/13/2018	Pesticide	Ronnel (Fenchlorphos)	n/a	=	0.0788	µg/L	EPA 525.2m	0.0041	0.01			GB
2017/18-5	ME-CC	matrix spike dup, rec	6/13/2018	Pesticide	Ronnel (Fenchlorphos)	n/a	=	158	%	EPA 525.2m	-88	-88	29	153	GB
2017/18-5	ME-CC	matrix spike, RPD	6/13/2018	Pesticide	Ronnel (Fenchlorphos)	n/a	=	29	%	EPA 525.2m	-88	-88	0	30	
2017/18-5	ME-CC	matrix spike	6/13/2018	Pesticide	Ronnel (Fenchlorphos)	n/a	=	0.059	µg/L	EPA 525.2m	0.0041	0.01			
2017/18-5	ME-CC	matrix spike, rec	6/13/2018	Pesticide	Ronnel (Fenchlorphos)	n/a	=	118	%	EPA 525.2m	-88	-88	29	153	
2017/18-5	Lab	method blank	6/6/2018	Pesticide	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2017/18-5	Lab	LCS	6/6/2018	Pesticide	Simazine	n/a	=	5.08	µg/L	EPA 525.2	0.015	0.1			
2017/18-5	Lab	LCS, rec	6/6/2018	Pesticide	Simazine	n/a	=	102	%	EPA 525.2	-88	-88	60	130	
2017/18-5	Lab	LCS dup	6/6/2018	Pesticide	Simazine	n/a	=	5.05	µg/L	EPA 525.2	0.015	0.1			
2017/18-5	Lab	LCS dup, rec	6/6/2018	Pesticide	Simazine	n/a	=	101	%	EPA 525.2	-88	-88	60	130	
2017/18-5	Lab	LCS, RPD	6/6/2018	Pesticide	Simazine	n/a	=	0.6	%	EPA 525.2	-88	-88	0	30	
2017/18-5	Lab	method blank	6/14/2018	Pesticide	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2017/18-5	Lab	LCS	6/14/2018	Pesticide	Simazine	n/a	=	4.82	µg/L	EPA 525.2	0.015	0.1			
2017/18-5	Lab	LCS, rec	6/14/2018	Pesticide	Simazine	n/a	=	96	%	EPA 525.2	-88	-88	60	130	
2017/18-5	Lab	LCS dup	6/14/2018	Pesticide	Simazine	n/a	=	4.98	µg/L	EPA 525.2	0.015	0.1			
2017/18-5	Lab	LCS dup, rec	6/14/2018	Pesticide	Simazine	n/a	=	100	%	EPA 525.2	-88	-88	60	130	
2017/18-5	Lab	LCS, RPD	6/14/2018	Pesticide	Simazine	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2017/18-5	Lab	method blank	6/29/2018	Pesticide	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2017/18-5	Lab	LCS	6/29/2018	Pesticide	Simazine	n/a	=	4.36	µg/L	EPA 525.2	0.015	0.1			
2017/18-5	Lab	LCS, rec	6/29/2018	Pesticide	Simazine	n/a	=	87	%	EPA 525.2	-88	-88	60	130	
2017/18-5	Lab	LCS dup	6/29/2018	Pesticide	Simazine	n/a	=	4.56	µg/L	EPA 525.2	0.015	0.1			
2017/18-5	Lab	LCS dup, rec	6/29/2018	Pesticide	Simazine	n/a	=	91	%	EPA 525.2	-88	-88	60	130	
2017/18-5	Lab	LCS, RPD	6/29/2018	Pesticide	Simazine	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2017/18-5	Lab	method blank	7/2/2018	Pesticide	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2017/18-5	Lab	LCS	7/2/2018	Pesticide	Simazine	n/a	=	4.38	µg/L	EPA 525.2	0.015	0.1			
2017/18-5	Lab	LCS, rec	7/2/2018	Pesticide	Simazine	n/a	=	88	%	EPA 525.2	-88	-88	60	130	
2017/18-5	Lab	LCS dup	7/2/2018	Pesticide	Simazine	n/a	=	4.47	µg/L	EPA 525.2	0.015	0.1			
2017/18-5	Lab	LCS dup, rec	7/2/2018	Pesticide	Simazine	n/a	=	89	%	EPA 525.2	-88	-88	60	130	
2017/18-5	Lab	LCS, RPD	7/2/2018	Pesticide	Simazine	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2017/18-5	000NONPJ	matrix spike	7/3/2018	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0621	µg/L	EPA 525.2m	0.0031	0.01			
2017/18-5	000NONPJ	matrix spike, rec	7/3/2018	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	124	%	EPA 525.2m	-88	-88	0.1	167	
2017/18-5	000NONPJ	matrix spike dup	7/3/2018	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0586	µg/L	EPA 525.2m	0.0031	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	000NONPJ	matrix spike dup, rec	7/3/2018	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	117	%	EPA 525.2m	-88	-88	0.1	167	
2017/18-5	000NONPJ	matrix spike, RPD	7/3/2018	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	6	%	EPA 525.2m	-88	-88	0	30	
2017/18-5	Lab	method blank	6/13/2018	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01			
2017/18-5	Lab	LCS	6/13/2018	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0642	µg/L	EPA 525.2m	0.0031	0.01			
2017/18-5	Lab	LCS, rec	6/13/2018	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	128	%	EPA 525.2m	-88	-88	0.1	188	
2017/18-5	Lab	method blank	6/18/2018	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01			
2017/18-5	Lab	LCS	6/18/2018	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0744	µg/L	EPA 525.2m	0.0031	0.01			
2017/18-5	Lab	LCS, rec	6/18/2018	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	149	%	EPA 525.2m	-88	-88	0.1	188	
2017/18-5	Lab	LCS dup	6/18/2018	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0408	µg/L	EPA 525.2m	0.0031	0.01			
2017/18-5	Lab	LCS dup, rec	6/18/2018	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	82	%	EPA 525.2m	-88	-88	0.1	188	
2017/18-5	Lab	LCS, RPD	6/18/2018	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	58	%	EPA 525.2m	-88	-88	0	30	IL
2017/18-5	Lab	method blank	7/3/2018	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01			
2017/18-5	Lab	LCS	7/3/2018	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0548	µg/L	EPA 525.2m	0.0031	0.01			
2017/18-5	Lab	LCS, rec	7/3/2018	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	110	%	EPA 525.2m	-88	-88	0.1	188	
2017/18-5	ME-CC	matrix spike dup	6/13/2018	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.141	µg/L	EPA 525.2m	0.0031	0.01			GB
2017/18-5	ME-CC	matrix spike dup, rec	6/13/2018	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	282	%	EPA 525.2m	-88	-88	0.1	167	GB
2017/18-5	ME-CC	matrix spike, RPD	6/13/2018	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	61	%	EPA 525.2m	-88	-88	0	30	IL
2017/18-5	ME-CC	matrix spike	6/13/2018	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0748	µg/L	EPA 525.2m	0.0031	0.01			
2017/18-5	ME-CC	matrix spike, rec	6/13/2018	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	150	%	EPA 525.2m	-88	-88	0.1	167	
2017/18-5	Lab	method blank	6/6/2018	Pesticide	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2			
2017/18-5	Lab	LCS	6/6/2018	Pesticide	Terbacil	n/a	=	5.2	µg/L	EPA 525.2	0.55	2			
2017/18-5	Lab	LCS, rec	6/6/2018	Pesticide	Terbacil	n/a	=	104	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS dup	6/6/2018	Pesticide	Terbacil	n/a	=	5.55	µg/L	EPA 525.2	0.55	2			
2017/18-5	Lab	LCS dup, rec	6/6/2018	Pesticide	Terbacil	n/a	=	111	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS, RPD	6/6/2018	Pesticide	Terbacil	n/a	=	7	%	EPA 525.2	-88	-88	0	30	
2017/18-5	Lab	method blank	6/14/2018	Pesticide	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2			
2017/18-5	Lab	LCS	6/14/2018	Pesticide	Terbacil	n/a	=	4.88	µg/L	EPA 525.2	0.55	2			
2017/18-5	Lab	LCS, rec	6/14/2018	Pesticide	Terbacil	n/a	=	98	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS dup	6/14/2018	Pesticide	Terbacil	n/a	=	4.99	µg/L	EPA 525.2	0.55	2			
2017/18-5	Lab	LCS dup, rec	6/14/2018	Pesticide	Terbacil	n/a	=	100	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS, RPD	6/14/2018	Pesticide	Terbacil	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2017/18-5	Lab	method blank	6/29/2018	Pesticide	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2			
2017/18-5	Lab	LCS	6/29/2018	Pesticide	Terbacil	n/a	=	5.13	µg/L	EPA 525.2	0.55	2			
2017/18-5	Lab	LCS, rec	6/29/2018	Pesticide	Terbacil	n/a	=	103	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS dup	6/29/2018	Pesticide	Terbacil	n/a	=	5.37	µg/L	EPA 525.2	0.55	2			
2017/18-5	Lab	LCS dup, rec	6/29/2018	Pesticide	Terbacil	n/a	=	107	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS, RPD	6/29/2018	Pesticide	Terbacil	n/a	=	5	%	EPA 525.2	-88	-88	0	30	
2017/18-5	Lab	method blank	7/2/2018	Pesticide	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2			
2017/18-5	Lab	LCS	7/2/2018	Pesticide	Terbacil	n/a	=	4.96	µg/L	EPA 525.2	0.55	2			
2017/18-5	Lab	LCS, rec	7/2/2018	Pesticide	Terbacil	n/a	=	99	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS dup	7/2/2018	Pesticide	Terbacil	n/a	=	4.9	µg/L	EPA 525.2	0.55	2			
2017/18-5	Lab	LCS dup, rec	7/2/2018	Pesticide	Terbacil	n/a	=	98	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS, RPD	7/2/2018	Pesticide	Terbacil	n/a	=	1	%	EPA 525.2	-88	-88	0	30	
2017/18-5	Lab	method blank	6/6/2018	Pesticide	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2			
2017/18-5	Lab	LCS	6/6/2018	Pesticide	Thiobencarb	n/a	=	5.11	µg/L	EPA 525.2	0.025	0.2			
2017/18-5	Lab	LCS, rec	6/6/2018	Pesticide	Thiobencarb	n/a	=	102	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS dup	6/6/2018	Pesticide	Thiobencarb	n/a	=	5.17	µg/L	EPA 525.2	0.025	0.2			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	LCS dup, rec	6/6/2018	Pesticide	Thiobencarb	n/a	=	103	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS, RPD	6/6/2018	Pesticide	Thiobencarb	n/a	=	1	%	EPA 525.2	-88	-88	0	30	
2017/18-5	Lab	method blank	6/14/2018	Pesticide	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2			
2017/18-5	Lab	LCS	6/14/2018	Pesticide	Thiobencarb	n/a	=	4.47	µg/L	EPA 525.2	0.025	0.2			
2017/18-5	Lab	LCS, rec	6/14/2018	Pesticide	Thiobencarb	n/a	=	89	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS dup	6/14/2018	Pesticide	Thiobencarb	n/a	=	4.41	µg/L	EPA 525.2	0.025	0.2			
2017/18-5	Lab	LCS dup, rec	6/14/2018	Pesticide	Thiobencarb	n/a	=	88	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS, RPD	6/14/2018	Pesticide	Thiobencarb	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2017/18-5	Lab	method blank	6/29/2018	Pesticide	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2			
2017/18-5	Lab	LCS	6/29/2018	Pesticide	Thiobencarb	n/a	=	4.12	µg/L	EPA 525.2	0.025	0.2			
2017/18-5	Lab	LCS, rec	6/29/2018	Pesticide	Thiobencarb	n/a	=	82	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS dup	6/29/2018	Pesticide	Thiobencarb	n/a	=	4.23	µg/L	EPA 525.2	0.025	0.2			
2017/18-5	Lab	LCS dup, rec	6/29/2018	Pesticide	Thiobencarb	n/a	=	85	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS, RPD	6/29/2018	Pesticide	Thiobencarb	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2017/18-5	Lab	method blank	7/2/2018	Pesticide	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2			
2017/18-5	Lab	LCS	7/2/2018	Pesticide	Thiobencarb	n/a	=	4.2	µg/L	EPA 525.2	0.025	0.2			
2017/18-5	Lab	LCS, rec	7/2/2018	Pesticide	Thiobencarb	n/a	=	84	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS dup	7/2/2018	Pesticide	Thiobencarb	n/a	=	4.24	µg/L	EPA 525.2	0.025	0.2			
2017/18-5	Lab	LCS dup, rec	7/2/2018	Pesticide	Thiobencarb	n/a	=	85	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS, RPD	7/2/2018	Pesticide	Thiobencarb	n/a	=	0.8	%	EPA 525.2	-88	-88	0	30	
2017/18-5	000NONPJ	matrix spike	7/3/2018	Pesticide	Tokuthion	n/a	=	0.052	µg/L	EPA 525.2m	0.0078	0.01			
2017/18-5	000NONPJ	matrix spike, rec	7/3/2018	Pesticide	Tokuthion	n/a	=	104	%	EPA 525.2m	-88	-88	27	160	
2017/18-5	000NONPJ	matrix spike dup	7/3/2018	Pesticide	Tokuthion	n/a	=	0.0406	µg/L	EPA 525.2m	0.0078	0.01			
2017/18-5	000NONPJ	matrix spike dup, rec	7/3/2018	Pesticide	Tokuthion	n/a	=	81	%	EPA 525.2m	-88	-88	27	160	
2017/18-5	000NONPJ	matrix spike, RPD	7/3/2018	Pesticide	Tokuthion	n/a	=	25	%	EPA 525.2m	-88	-88	0	30	
2017/18-5	Lab	method blank	6/13/2018	Pesticide	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01			
2017/18-5	Lab	LCS	6/13/2018	Pesticide	Tokuthion	n/a	=	0.0324	µg/L	EPA 525.2m	0.0078	0.01			
2017/18-5	Lab	LCS, rec	6/13/2018	Pesticide	Tokuthion	n/a	=	65	%	EPA 525.2m	-88	-88	23	159	
2017/18-5	Lab	method blank	6/18/2018	Pesticide	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01			
2017/18-5	Lab	LCS	6/18/2018	Pesticide	Tokuthion	n/a	=	0.0532	µg/L	EPA 525.2m	0.0078	0.01			
2017/18-5	Lab	LCS, rec	6/18/2018	Pesticide	Tokuthion	n/a	=	106	%	EPA 525.2m	-88	-88	23	159	
2017/18-5	Lab	LCS dup	6/18/2018	Pesticide	Tokuthion	n/a	=	0.0588	µg/L	EPA 525.2m	0.0078	0.01			
2017/18-5	Lab	LCS dup, rec	6/18/2018	Pesticide	Tokuthion	n/a	=	118	%	EPA 525.2m	-88	-88	23	159	
2017/18-5	Lab	LCS, RPD	6/18/2018	Pesticide	Tokuthion	n/a	=	10	%	EPA 525.2m	-88	-88	0	30	
2017/18-5	Lab	method blank	7/3/2018	Pesticide	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01			
2017/18-5	Lab	LCS	7/3/2018	Pesticide	Tokuthion	n/a	=	0.044	µg/L	EPA 525.2m	0.0078	0.01			
2017/18-5	Lab	LCS, rec	7/3/2018	Pesticide	Tokuthion	n/a	=	88	%	EPA 525.2m	-88	-88	23	159	
2017/18-5	ME-CC	matrix spike dup	6/13/2018	Pesticide	Tokuthion	n/a	=	0.0313	µg/L	EPA 525.2m	0.0078	0.01			
2017/18-5	ME-CC	matrix spike dup, rec	6/13/2018	Pesticide	Tokuthion	n/a	=	63	%	EPA 525.2m	-88	-88	27	160	
2017/18-5	ME-CC	matrix spike, RPD	6/13/2018	Pesticide	Tokuthion	n/a	=	26	%	EPA 525.2m	-88	-88	0	30	
2017/18-5	ME-CC	matrix spike	6/13/2018	Pesticide	Tokuthion	n/a	=	0.0407	µg/L	EPA 525.2m	0.0078	0.01			
2017/18-5	ME-CC	matrix spike, rec	6/13/2018	Pesticide	Tokuthion	n/a	=	81	%	EPA 525.2m	-88	-88	27	160	
2017/18-5	000NONPJ	matrix spike	7/3/2018	Pesticide	Trichloronate	n/a	=	0.0584	µg/L	EPA 525.2m	0.0067	0.01			
2017/18-5	000NONPJ	matrix spike, rec	7/3/2018	Pesticide	Trichloronate	n/a	=	117	%	EPA 525.2m	-88	-88	40	150	
2017/18-5	000NONPJ	matrix spike dup	7/3/2018	Pesticide	Trichloronate	n/a	=	0.0519	µg/L	EPA 525.2m	0.0067	0.01			
2017/18-5	000NONPJ	matrix spike dup, rec	7/3/2018	Pesticide	Trichloronate	n/a	=	104	%	EPA 525.2m	-88	-88	40	150	
2017/18-5	000NONPJ	matrix spike, RPD	7/3/2018	Pesticide	Trichloronate	n/a	=	12	%	EPA 525.2m	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-5	Lab	method blank	6/13/2018	Pesticide	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01			
2017/18-5	Lab	LCS	6/13/2018	Pesticide	Trichloronate	n/a	=	0.0494	µg/L	EPA 525.2m	0.0067	0.01			
2017/18-5	Lab	LCS, rec	6/13/2018	Pesticide	Trichloronate	n/a	=	99	%	EPA 525.2m	-88	-88	34	153	
2017/18-5	Lab	method blank	6/18/2018	Pesticide	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01			
2017/18-5	Lab	LCS	6/18/2018	Pesticide	Trichloronate	n/a	=	0.0589	µg/L	EPA 525.2m	0.0067	0.01			
2017/18-5	Lab	LCS, rec	6/18/2018	Pesticide	Trichloronate	n/a	=	118	%	EPA 525.2m	-88	-88	34	153	
2017/18-5	Lab	LCS dup	6/18/2018	Pesticide	Trichloronate	n/a	=	0.043	µg/L	EPA 525.2m	0.0067	0.01			
2017/18-5	Lab	LCS dup, rec	6/18/2018	Pesticide	Trichloronate	n/a	=	86	%	EPA 525.2m	-88	-88	34	153	
2017/18-5	Lab	LCS, RPD	6/18/2018	Pesticide	Trichloronate	n/a	=	31	%	EPA 525.2m	-88	-88	0	30	IL
2017/18-5	Lab	method blank	7/3/2018	Pesticide	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01			
2017/18-5	Lab	LCS	7/3/2018	Pesticide	Trichloronate	n/a	=	0.0509	µg/L	EPA 525.2m	0.0067	0.01			
2017/18-5	Lab	LCS, rec	7/3/2018	Pesticide	Trichloronate	n/a	=	102	%	EPA 525.2m	-88	-88	34	153	
2017/18-5	ME-CC	matrix spike dup	6/13/2018	Pesticide	Trichloronate	n/a	=	0.0806	µg/L	EPA 525.2m	0.0067	0.01			GB
2017/18-5	ME-CC	matrix spike dup, rec	6/13/2018	Pesticide	Trichloronate	n/a	=	161	%	EPA 525.2m	-88	-88	40	150	GB
2017/18-5	ME-CC	matrix spike, RPD	6/13/2018	Pesticide	Trichloronate	n/a	=	41	%	EPA 525.2m	-88	-88	0	30	IL
2017/18-5	ME-CC	matrix spike	6/13/2018	Pesticide	Trichloronate	n/a	=	0.0529	µg/L	EPA 525.2m	0.0067	0.01			
2017/18-5	ME-CC	matrix spike, rec	6/13/2018	Pesticide	Trichloronate	n/a	=	106	%	EPA 525.2m	-88	-88	40	150	
2017/18-5	Lab	method blank	6/6/2018	Pesticide	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2017/18-5	Lab	LCS	6/6/2018	Pesticide	Trithion	n/a	=	4.88	µg/L	EPA 525.2	0.012	0.1			
2017/18-5	Lab	LCS, rec	6/6/2018	Pesticide	Trithion	n/a	=	98	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS dup	6/6/2018	Pesticide	Trithion	n/a	=	5.26	µg/L	EPA 525.2	0.012	0.1			
2017/18-5	Lab	LCS dup, rec	6/6/2018	Pesticide	Trithion	n/a	=	105	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS, RPD	6/6/2018	Pesticide	Trithion	n/a	=	8	%	EPA 525.2	-88	-88	0	30	
2017/18-5	Lab	method blank	6/14/2018	Pesticide	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2017/18-5	Lab	LCS	6/14/2018	Pesticide	Trithion	n/a	=	4.76	µg/L	EPA 525.2	0.012	0.1			
2017/18-5	Lab	LCS, rec	6/14/2018	Pesticide	Trithion	n/a	=	95	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS dup	6/14/2018	Pesticide	Trithion	n/a	=	4.55	µg/L	EPA 525.2	0.012	0.1			
2017/18-5	Lab	LCS dup, rec	6/14/2018	Pesticide	Trithion	n/a	=	91	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS, RPD	6/14/2018	Pesticide	Trithion	n/a	=	5	%	EPA 525.2	-88	-88	0	30	
2017/18-5	Lab	method blank	6/29/2018	Pesticide	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2017/18-5	Lab	LCS	6/29/2018	Pesticide	Trithion	n/a	=	4.86	µg/L	EPA 525.2	0.012	0.1			
2017/18-5	Lab	LCS, rec	6/29/2018	Pesticide	Trithion	n/a	=	97	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS dup	6/29/2018	Pesticide	Trithion	n/a	=	4.84	µg/L	EPA 525.2	0.012	0.1			
2017/18-5	Lab	LCS dup, rec	6/29/2018	Pesticide	Trithion	n/a	=	97	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS, RPD	6/29/2018	Pesticide	Trithion	n/a	=	0.4	%	EPA 525.2	-88	-88	0	30	
2017/18-5	Lab	method blank	7/2/2018	Pesticide	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2017/18-5	Lab	LCS	7/2/2018	Pesticide	Trithion	n/a	=	4.86	µg/L	EPA 525.2	0.012	0.1			
2017/18-5	Lab	LCS, rec	7/2/2018	Pesticide	Trithion	n/a	=	97	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS dup	7/2/2018	Pesticide	Trithion	n/a	=	4.83	µg/L	EPA 525.2	0.012	0.1			
2017/18-5	Lab	LCS dup, rec	7/2/2018	Pesticide	Trithion	n/a	=	97	%	EPA 525.2	-88	-88	70	130	
2017/18-5	Lab	LCS, RPD	7/2/2018	Pesticide	Trithion	n/a	=	0.6	%	EPA 525.2	-88	-88	0	30	
2017/18-PRE	Carboy Blank	equip blank	8/17/2017	Metal	Aluminum	Total	DNQ	2.8	µg/L	EPA 200.8	1.3	5			IP,UL-MB
2017/18-PRE	Carboy Blank	matrix spike	8/17/2017	Metal	Aluminum	Total	=	52.3	µg/L	EPA 200.8	1.3	5			
2017/18-PRE	Carboy Blank	matrix spike, rec	8/17/2017	Metal	Aluminum	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Carboy Blank	matrix spike dup	8/17/2017	Metal	Aluminum	Total	=	52.4	µg/L	EPA 200.8	1.3	5			
2017/18-PRE	Carboy Blank	matrix spike dup, rec	8/17/2017	Metal	Aluminum	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Carboy Blank	matrix spike, RPD	8/17/2017	Metal	Aluminum	Total	=	0.3	%	EPA 200.8	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-PRE	Lab	method blank	8/17/2017	Metal	Aluminum	Total	DNQ	1.39	µg/L	EPA 200.8	1.3	5			IP
2017/18-PRE	Lab	LCS	8/17/2017	Metal	Aluminum	Total	=	53.7	µg/L	EPA 200.8	1.3	5			
2017/18-PRE	Lab	LCS, rec	8/17/2017	Metal	Aluminum	Total	=	107	%	EPA 200.8	-88	-88	85	115	
2017/18-PRE	Tubing Blank	equip blank	8/17/2017	Metal	Aluminum	Total	=	8.3	µg/L	EPA 200.8	1.3	5			IP,UL-MB
2017/18-PRE	Tubing Blank	matrix spike	8/17/2017	Metal	Aluminum	Total	=	57.4	µg/L	EPA 200.8	1.3	5			
2017/18-PRE	Tubing Blank	matrix spike, rec	8/17/2017	Metal	Aluminum	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Tubing Blank	matrix spike dup	8/17/2017	Metal	Aluminum	Total	=	58.6	µg/L	EPA 200.8	1.3	5			
2017/18-PRE	Tubing Blank	matrix spike dup, rec	8/17/2017	Metal	Aluminum	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Tubing Blank	matrix spike, RPD	8/17/2017	Metal	Aluminum	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2017/18-PRE	Carboy Blank	equip blank	8/17/2017	Metal	Antimony	Total	<	0.045	µg/L	EPA 200.8	0.045	0.5			
2017/18-PRE	Carboy Blank	matrix spike	8/17/2017	Metal	Antimony	Total	=	51.5	µg/L	EPA 200.8	0.045	0.5			
2017/18-PRE	Carboy Blank	matrix spike, rec	8/17/2017	Metal	Antimony	Total	=	103	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Carboy Blank	matrix spike dup	8/17/2017	Metal	Antimony	Total	=	52.5	µg/L	EPA 200.8	0.045	0.5			
2017/18-PRE	Carboy Blank	matrix spike dup, rec	8/17/2017	Metal	Antimony	Total	=	105	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Carboy Blank	matrix spike, RPD	8/17/2017	Metal	Antimony	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2017/18-PRE	Lab	method blank	8/17/2017	Metal	Antimony	Total	<	0.045	µg/L	EPA 200.8	0.045	0.5			
2017/18-PRE	Lab	LCS	8/17/2017	Metal	Antimony	Total	=	53.4	µg/L	EPA 200.8	0.045	0.5			
2017/18-PRE	Lab	LCS, rec	8/17/2017	Metal	Antimony	Total	=	107	%	EPA 200.8	-88	-88	85	115	
2017/18-PRE	Tubing Blank	equip blank	8/17/2017	Metal	Antimony	Total	<	0.045	µg/L	EPA 200.8	0.045	0.5			
2017/18-PRE	Tubing Blank	matrix spike	8/17/2017	Metal	Antimony	Total	=	51.2	µg/L	EPA 200.8	0.045	0.5			
2017/18-PRE	Tubing Blank	matrix spike, rec	8/17/2017	Metal	Antimony	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Tubing Blank	matrix spike dup	8/17/2017	Metal	Antimony	Total	=	52.8	µg/L	EPA 200.8	0.045	0.5			
2017/18-PRE	Tubing Blank	matrix spike dup, rec	8/17/2017	Metal	Antimony	Total	=	106	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Tubing Blank	matrix spike, RPD	8/17/2017	Metal	Antimony	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2017/18-PRE	Carboy Blank	equip blank	8/17/2017	Metal	Arsenic	Total	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2017/18-PRE	Carboy Blank	matrix spike	8/17/2017	Metal	Arsenic	Total	=	51.8	µg/L	EPA 200.8	0.074	0.4			
2017/18-PRE	Carboy Blank	matrix spike, rec	8/17/2017	Metal	Arsenic	Total	=	104	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Carboy Blank	matrix spike dup	8/17/2017	Metal	Arsenic	Total	=	53.2	µg/L	EPA 200.8	0.074	0.4			
2017/18-PRE	Carboy Blank	matrix spike dup, rec	8/17/2017	Metal	Arsenic	Total	=	106	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Carboy Blank	matrix spike, RPD	8/17/2017	Metal	Arsenic	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2017/18-PRE	Lab	method blank	8/17/2017	Metal	Arsenic	Total	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2017/18-PRE	Lab	LCS	8/17/2017	Metal	Arsenic	Total	=	52.8	µg/L	EPA 200.8	0.074	0.4			
2017/18-PRE	Lab	LCS, rec	8/17/2017	Metal	Arsenic	Total	=	106	%	EPA 200.8	-88	-88	85	115	
2017/18-PRE	Tubing Blank	equip blank	8/17/2017	Metal	Arsenic	Total	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2017/18-PRE	Tubing Blank	matrix spike	8/17/2017	Metal	Arsenic	Total	=	52.6	µg/L	EPA 200.8	0.074	0.4			
2017/18-PRE	Tubing Blank	matrix spike, rec	8/17/2017	Metal	Arsenic	Total	=	105	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Tubing Blank	matrix spike dup	8/17/2017	Metal	Arsenic	Total	=	53.1	µg/L	EPA 200.8	0.074	0.4			
2017/18-PRE	Tubing Blank	matrix spike dup, rec	8/17/2017	Metal	Arsenic	Total	=	106	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Tubing Blank	matrix spike, RPD	8/17/2017	Metal	Arsenic	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2017/18-PRE	Carboy Blank	matrix spike	8/18/2017	Metal	Beryllium	Total	=	47.6	µg/L	EPA 200.8	0.033	0.1			
2017/18-PRE	Carboy Blank	matrix spike, rec	8/18/2017	Metal	Beryllium	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Carboy Blank	matrix spike dup	8/18/2017	Metal	Beryllium	Total	=	48.8	µg/L	EPA 200.8	0.033	0.1			
2017/18-PRE	Carboy Blank	matrix spike dup, rec	8/18/2017	Metal	Beryllium	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Carboy Blank	matrix spike, RPD	8/18/2017	Metal	Beryllium	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Metal	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2017/18-PRE	Lab	method blank	8/18/2017	Metal	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2017/18-PRE	Lab	LCS	8/18/2017	Metal	Beryllium	Total	=	49.3	µg/L	EPA 200.8	0.033	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-PRE	Lab	LCS, rec	8/18/2017	Metal	Beryllium	Total	=	99	%	EPA 200.8	-88	-88	85	115	
2017/18-PRE	Tubing Blank	matrix spike	8/18/2017	Metal	Beryllium	Total	=	48.5	µg/L	EPA 200.8	0.033	0.1			
2017/18-PRE	Tubing Blank	matrix spike, rec	8/18/2017	Metal	Beryllium	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Tubing Blank	matrix spike dup	8/18/2017	Metal	Beryllium	Total	=	49.6	µg/L	EPA 200.8	0.033	0.1			
2017/18-PRE	Tubing Blank	matrix spike dup, rec	8/18/2017	Metal	Beryllium	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Tubing Blank	matrix spike, RPD	8/18/2017	Metal	Beryllium	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Metal	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2017/18-PRE	Carboy Blank	equip blank	8/17/2017	Metal	Cadmium	Total	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2017/18-PRE	Carboy Blank	matrix spike	8/17/2017	Metal	Cadmium	Total	=	51.9	µg/L	EPA 200.8	0.041	0.1			
2017/18-PRE	Carboy Blank	matrix spike, rec	8/17/2017	Metal	Cadmium	Total	=	104	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Carboy Blank	matrix spike dup	8/17/2017	Metal	Cadmium	Total	=	51.9	µg/L	EPA 200.8	0.041	0.1			
2017/18-PRE	Carboy Blank	matrix spike dup, rec	8/17/2017	Metal	Cadmium	Total	=	104	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Carboy Blank	matrix spike, RPD	8/17/2017	Metal	Cadmium	Total	=	0.02	%	EPA 200.8	-88	-88	0	30	
2017/18-PRE	Lab	method blank	8/17/2017	Metal	Cadmium	Total	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2017/18-PRE	Lab	LCS	8/17/2017	Metal	Cadmium	Total	=	51.7	µg/L	EPA 200.8	0.041	0.1			
2017/18-PRE	Lab	LCS, rec	8/17/2017	Metal	Cadmium	Total	=	103	%	EPA 200.8	-88	-88	85	115	
2017/18-PRE	Tubing Blank	equip blank	8/17/2017	Metal	Cadmium	Total	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2017/18-PRE	Tubing Blank	matrix spike	8/17/2017	Metal	Cadmium	Total	=	52.7	µg/L	EPA 200.8	0.041	0.1			
2017/18-PRE	Tubing Blank	matrix spike, rec	8/17/2017	Metal	Cadmium	Total	=	105	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Tubing Blank	matrix spike dup	8/17/2017	Metal	Cadmium	Total	=	52.6	µg/L	EPA 200.8	0.041	0.1			
2017/18-PRE	Tubing Blank	matrix spike dup, rec	8/17/2017	Metal	Cadmium	Total	=	105	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Tubing Blank	matrix spike, RPD	8/17/2017	Metal	Cadmium	Total	=	0.2	%	EPA 200.8	-88	-88	0	30	
2017/18-PRE	Carboy Blank	equip blank	8/17/2017	Metal	Chromium	Total	<	0.035	µg/L	EPA 200.8	0.035	0.2			
2017/18-PRE	Carboy Blank	matrix spike	8/17/2017	Metal	Chromium	Total	=	47	µg/L	EPA 200.8	0.035	0.2			
2017/18-PRE	Carboy Blank	matrix spike, rec	8/17/2017	Metal	Chromium	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Carboy Blank	matrix spike dup	8/17/2017	Metal	Chromium	Total	=	47.9	µg/L	EPA 200.8	0.035	0.2			
2017/18-PRE	Carboy Blank	matrix spike dup, rec	8/17/2017	Metal	Chromium	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Carboy Blank	matrix spike, RPD	8/17/2017	Metal	Chromium	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2017/18-PRE	Lab	method blank	8/17/2017	Metal	Chromium	Total	<	0.035	µg/L	EPA 200.8	0.035	0.2			
2017/18-PRE	Lab	LCS	8/17/2017	Metal	Chromium	Total	=	47.7	µg/L	EPA 200.8	0.035	0.2			
2017/18-PRE	Lab	LCS, rec	8/17/2017	Metal	Chromium	Total	=	95	%	EPA 200.8	-88	-88	85	115	
2017/18-PRE	Tubing Blank	equip blank	8/17/2017	Metal	Chromium	Total	=	0.22	µg/L	EPA 200.8	0.035	0.2			
2017/18-PRE	Tubing Blank	matrix spike	8/17/2017	Metal	Chromium	Total	=	48	µg/L	EPA 200.8	0.035	0.2			
2017/18-PRE	Tubing Blank	matrix spike, rec	8/17/2017	Metal	Chromium	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Tubing Blank	matrix spike dup	8/17/2017	Metal	Chromium	Total	=	48.5	µg/L	EPA 200.8	0.035	0.2			
2017/18-PRE	Tubing Blank	matrix spike dup, rec	8/17/2017	Metal	Chromium	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Tubing Blank	matrix spike, RPD	8/17/2017	Metal	Chromium	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2017/18-PRE	000NONPJ	matrix spike	10/12/2017	Metal	Copper	Total	=	51.9	µg/L	EPA 200.8	0.13	0.5			
2017/18-PRE	000NONPJ	matrix spike, rec	10/12/2017	Metal	Copper	Total	=	88	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	000NONPJ	matrix spike dup	10/12/2017	Metal	Copper	Total	=	51.5	µg/L	EPA 200.8	0.13	0.5			
2017/18-PRE	000NONPJ	matrix spike dup, rec	10/12/2017	Metal	Copper	Total	=	87	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	000NONPJ	matrix spike, RPD	10/12/2017	Metal	Copper	Total	=	0.7	%	EPA 200.8	-88	-88	0	30	
2017/18-PRE	Carboy Blank	equip blank	8/17/2017	Metal	Copper	Total	=	0.74	µg/L	EPA 200.8	0.13	0.5			
2017/18-PRE	Carboy Blank	matrix spike	8/17/2017	Metal	Copper	Total	=	53	µg/L	EPA 200.8	0.13	0.5			
2017/18-PRE	Carboy Blank	matrix spike, rec	8/17/2017	Metal	Copper	Total	=	105	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Carboy Blank	matrix spike dup	8/17/2017	Metal	Copper	Total	=	53.8	µg/L	EPA 200.8	0.13	0.5			
2017/18-PRE	Carboy Blank	matrix spike dup, rec	8/17/2017	Metal	Copper	Total	=	106	%	EPA 200.8	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-PRE	Carboy Blank	matrix spike, RPD	8/17/2017	Metal	Copper	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2017/18-PRE	Lab	method blank	8/17/2017	Metal	Copper	Total	<	0.13	µg/L	EPA 200.8	0.13	0.5			
2017/18-PRE	Lab	LCS	8/17/2017	Metal	Copper	Total	=	52.4	µg/L	EPA 200.8	0.13	0.5			
2017/18-PRE	Lab	LCS, rec	8/17/2017	Metal	Copper	Total	=	105	%	EPA 200.8	-88	-88	85	115	
2017/18-PRE	Lab	method blank	8/18/2017	Metal	Copper	Total	<	0.13	µg/L	EPA 200.8	0.13	0.5			
2017/18-PRE	Lab	LCS	8/18/2017	Metal	Copper	Total	=	52.3	µg/L	EPA 200.8	0.13	0.5			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Metal	Copper	Total	=	105	%	EPA 200.8	-88	-88	85	115	
2017/18-PRE	Lab	method blank	10/12/2017	Metal	Copper	Total	<	0.13	µg/L	EPA 200.8	0.13	0.5			
2017/18-PRE	Lab	LCS	10/12/2017	Metal	Copper	Total	=	50.7	µg/L	EPA 200.8	0.13	0.5			
2017/18-PRE	Lab	LCS, rec	10/12/2017	Metal	Copper	Total	=	101	%	EPA 200.8	-88	-88	85	115	
2017/18-PRE	Tubing Blank	equip blank	8/17/2017	Metal	Copper	Total	DNQ	0.26	µg/L	EPA 200.8	0.13	0.5			
2017/18-PRE	Tubing Blank	matrix spike	8/17/2017	Metal	Copper	Total	=	53.5	µg/L	EPA 200.8	0.13	0.5			
2017/18-PRE	Tubing Blank	matrix spike, rec	8/17/2017	Metal	Copper	Total	=	106	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Tubing Blank	matrix spike dup	8/17/2017	Metal	Copper	Total	=	54.6	µg/L	EPA 200.8	0.13	0.5			
2017/18-PRE	Tubing Blank	matrix spike dup, rec	8/17/2017	Metal	Copper	Total	=	109	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Tubing Blank	matrix spike, RPD	8/17/2017	Metal	Copper	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2017/18-PRE	Ultrapure Water	equip blank	10/12/2017	Metal	Copper	Total	DNQ	0.22	µg/L	EPA 200.8	0.13	0.5			
2017/18-PRE	Ultrapure Water	equip blank	10/12/2017	Metal	Copper	Total	DNQ	0.22	µg/L	EPA 200.8	0.13	0.5			
2017/18-PRE	000NONPJ	matrix spike	8/17/2017	Metal	Iron	Total	=	713	µg/L	EPA 200.7	1.1	10			
2017/18-PRE	000NONPJ	matrix spike, rec	8/17/2017	Metal	Iron	Total	=	92	%	EPA 200.7	-88	-88	70	130	
2017/18-PRE	000NONPJ	matrix spike dup	8/17/2017	Metal	Iron	Total	=	715	µg/L	EPA 200.7	1.1	10			
2017/18-PRE	000NONPJ	matrix spike dup, rec	8/17/2017	Metal	Iron	Total	=	93	%	EPA 200.7	-88	-88	70	130	
2017/18-PRE	000NONPJ	matrix spike, RPD	8/17/2017	Metal	Iron	Total	=	0.3	%	EPA 200.7	-88	-88	0	30	
2017/18-PRE	000NONPJ	matrix spike	8/17/2017	Metal	Iron	Total	=	278	µg/L	EPA 200.7	1.1	10			
2017/18-PRE	000NONPJ	matrix spike, rec	8/17/2017	Metal	Iron	Total	=	98	%	EPA 200.7	-88	-88	70	130	
2017/18-PRE	000NONPJ	matrix spike dup	8/17/2017	Metal	Iron	Total	=	280	µg/L	EPA 200.7	1.1	10			
2017/18-PRE	000NONPJ	matrix spike dup, rec	8/17/2017	Metal	Iron	Total	=	99	%	EPA 200.7	-88	-88	70	130	
2017/18-PRE	000NONPJ	matrix spike, RPD	8/17/2017	Metal	Iron	Total	=	0.7	%	EPA 200.7	-88	-88	0	30	
2017/18-PRE	Carboy Blank	equip blank	8/17/2017	Metal	Iron	Total	DNQ	2	µg/L	EPA 200.7	1.1	10			IP,UL-MB
2017/18-PRE	Lab	method blank	8/17/2017	Metal	Iron	Total	DNQ	2	µg/L	EPA 200.7	1.1	10			IP
2017/18-PRE	Lab	LCS	8/17/2017	Metal	Iron	Total	=	191	µg/L	EPA 200.7	1.1	10			
2017/18-PRE	Lab	LCS, rec	8/17/2017	Metal	Iron	Total	=	95	%	EPA 200.7	-88	-88	85	115	
2017/18-PRE	Tubing Blank	equip blank	8/17/2017	Metal	Iron	Total	DNQ	7	µg/L	EPA 200.7	1.1	10			IP,UL-MB
2017/18-PRE	Carboy Blank	equip blank	8/17/2017	Metal	Lead	Total	<	0.031	µg/L	EPA 200.8	0.031	0.2			
2017/18-PRE	Carboy Blank	matrix spike	8/17/2017	Metal	Lead	Total	=	50.8	µg/L	EPA 200.8	0.031	0.2			
2017/18-PRE	Carboy Blank	matrix spike, rec	8/17/2017	Metal	Lead	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Carboy Blank	matrix spike dup	8/17/2017	Metal	Lead	Total	=	52.5	µg/L	EPA 200.8	0.031	0.2			
2017/18-PRE	Carboy Blank	matrix spike dup, rec	8/17/2017	Metal	Lead	Total	=	105	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Carboy Blank	matrix spike, RPD	8/17/2017	Metal	Lead	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2017/18-PRE	Lab	method blank	8/17/2017	Metal	Lead	Total	<	0.031	µg/L	EPA 200.8	0.031	0.2			
2017/18-PRE	Lab	LCS	8/17/2017	Metal	Lead	Total	=	53.5	µg/L	EPA 200.8	0.031	0.2			
2017/18-PRE	Lab	LCS, rec	8/17/2017	Metal	Lead	Total	=	107	%	EPA 200.8	-88	-88	85	115	
2017/18-PRE	Tubing Blank	equip blank	8/17/2017	Metal	Lead	Total	<	0.031	µg/L	EPA 200.8	0.031	0.2			
2017/18-PRE	Tubing Blank	matrix spike	8/17/2017	Metal	Lead	Total	=	51.8	µg/L	EPA 200.8	0.031	0.2			
2017/18-PRE	Tubing Blank	matrix spike, rec	8/17/2017	Metal	Lead	Total	=	104	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Tubing Blank	matrix spike dup	8/17/2017	Metal	Lead	Total	=	52.1	µg/L	EPA 200.8	0.031	0.2			
2017/18-PRE	Tubing Blank	matrix spike dup, rec	8/17/2017	Metal	Lead	Total	=	104	%	EPA 200.8	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-PRE	Tubing Blank	matrix spike, RPD	8/17/2017	Metal	Lead	Total	=	0.6	%	EPA 200.8	-88	-88	0	30	
2017/18-PRE	000NONPJ	matrix spike	8/16/2017	Metal	Mercury	Total	=	908	ng/L	EPA 245.1	17	50			
2017/18-PRE	000NONPJ	matrix spike, rec	8/16/2017	Metal	Mercury	Total	=	91	%	EPA 245.1	-88	-88	70	130	
2017/18-PRE	000NONPJ	matrix spike dup	8/16/2017	Metal	Mercury	Total	=	907	ng/L	EPA 245.1	17	50			
2017/18-PRE	000NONPJ	matrix spike dup, rec	8/16/2017	Metal	Mercury	Total	=	91	%	EPA 245.1	-88	-88	70	130	
2017/18-PRE	000NONPJ	matrix spike, RPD	8/16/2017	Metal	Mercury	Total	=	0.1	%	EPA 245.1	-88	-88	0	20	
2017/18-PRE	000NONPJ	matrix spike	8/16/2017	Metal	Mercury	Total	=	948	ng/L	EPA 245.1	17	50			
2017/18-PRE	000NONPJ	matrix spike, rec	8/16/2017	Metal	Mercury	Total	=	95	%	EPA 245.1	-88	-88	70	130	
2017/18-PRE	000NONPJ	matrix spike dup	8/16/2017	Metal	Mercury	Total	=	943	ng/L	EPA 245.1	17	50			
2017/18-PRE	000NONPJ	matrix spike dup, rec	8/16/2017	Metal	Mercury	Total	=	94	%	EPA 245.1	-88	-88	70	130	
2017/18-PRE	000NONPJ	matrix spike, RPD	8/16/2017	Metal	Mercury	Total	=	0.5	%	EPA 245.1	-88	-88	0	20	
2017/18-PRE	Carboy Blank	equip blank	8/16/2017	Metal	Mercury	Total	<	17	ng/L	EPA 245.1	17	50			
2017/18-PRE	Lab	method blank	8/16/2017	Metal	Mercury	Total	<	17	ng/L	EPA 245.1	17	50			
2017/18-PRE	Lab	LCS	8/16/2017	Metal	Mercury	Total	=	933	ng/L	EPA 245.1	17	50			
2017/18-PRE	Lab	LCS, rec	8/16/2017	Metal	Mercury	Total	=	93	%	EPA 245.1	-88	-88	85	115	
2017/18-PRE	Tubing Blank	equip blank	8/16/2017	Metal	Mercury	Total	<	17	ng/L	EPA 245.1	17	50			
2017/18-PRE	000NONPJ	matrix spike	10/12/2017	Metal	Nickel	Total	=	45	µg/L	EPA 200.8	0.045	0.8			
2017/18-PRE	000NONPJ	matrix spike, rec	10/12/2017	Metal	Nickel	Total	=	88	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	000NONPJ	matrix spike dup	10/12/2017	Metal	Nickel	Total	=	44.7	µg/L	EPA 200.8	0.045	0.8			
2017/18-PRE	000NONPJ	matrix spike dup, rec	10/12/2017	Metal	Nickel	Total	=	88	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	000NONPJ	matrix spike, RPD	10/12/2017	Metal	Nickel	Total	=	0.7	%	EPA 200.8	-88	-88	0	30	
2017/18-PRE	Carboy Blank	equip blank	8/17/2017	Metal	Nickel	Total	DNQ	0.065	µg/L	EPA 200.8	0.045	0.8			
2017/18-PRE	Carboy Blank	matrix spike	8/17/2017	Metal	Nickel	Total	=	52.3	µg/L	EPA 200.8	0.045	0.8			
2017/18-PRE	Carboy Blank	matrix spike, rec	8/17/2017	Metal	Nickel	Total	=	104	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Carboy Blank	matrix spike dup	8/17/2017	Metal	Nickel	Total	=	52.7	µg/L	EPA 200.8	0.045	0.8			
2017/18-PRE	Carboy Blank	matrix spike dup, rec	8/17/2017	Metal	Nickel	Total	=	105	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Carboy Blank	matrix spike, RPD	8/17/2017	Metal	Nickel	Total	=	0.8	%	EPA 200.8	-88	-88	0	30	
2017/18-PRE	Lab	method blank	8/17/2017	Metal	Nickel	Total	<	0.045	µg/L	EPA 200.8	0.045	0.8			
2017/18-PRE	Lab	LCS	8/17/2017	Metal	Nickel	Total	=	52.2	µg/L	EPA 200.8	0.045	0.8			
2017/18-PRE	Lab	LCS, rec	8/17/2017	Metal	Nickel	Total	=	104	%	EPA 200.8	-88	-88	85	115	
2017/18-PRE	Lab	method blank	10/12/2017	Metal	Nickel	Total	<	0.045	µg/L	EPA 200.8	0.045	0.8			
2017/18-PRE	Lab	LCS	10/12/2017	Metal	Nickel	Total	=	50.1	µg/L	EPA 200.8	0.045	0.8			
2017/18-PRE	Lab	LCS, rec	10/12/2017	Metal	Nickel	Total	=	100	%	EPA 200.8	-88	-88	85	115	
2017/18-PRE	Tubing Blank	equip blank	8/17/2017	Metal	Nickel	Total	DNQ	0.063	µg/L	EPA 200.8	0.045	0.8			
2017/18-PRE	Tubing Blank	matrix spike	8/17/2017	Metal	Nickel	Total	=	52.8	µg/L	EPA 200.8	0.045	0.8			
2017/18-PRE	Tubing Blank	matrix spike, rec	8/17/2017	Metal	Nickel	Total	=	106	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Tubing Blank	matrix spike dup	8/17/2017	Metal	Nickel	Total	=	53.3	µg/L	EPA 200.8	0.045	0.8			
2017/18-PRE	Tubing Blank	matrix spike dup, rec	8/17/2017	Metal	Nickel	Total	=	107	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Tubing Blank	matrix spike, RPD	8/17/2017	Metal	Nickel	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2017/18-PRE	Ultrapure Water	equip blank	10/12/2017	Metal	Nickel	Total	<	0.045	µg/L	EPA 200.8	0.045	0.8			
2017/18-PRE	Ultrapure Water	equip blank	10/12/2017	Metal	Nickel	Total	<	0.045	µg/L	EPA 200.8	0.045	0.8			
2017/18-PRE	Carboy Blank	equip blank	8/17/2017	Metal	Selenium	Total	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2017/18-PRE	Carboy Blank	matrix spike	8/17/2017	Metal	Selenium	Total	=	49.2	µg/L	EPA 200.8	0.14	0.4			
2017/18-PRE	Carboy Blank	matrix spike, rec	8/17/2017	Metal	Selenium	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Carboy Blank	matrix spike dup	8/17/2017	Metal	Selenium	Total	=	51	µg/L	EPA 200.8	0.14	0.4			
2017/18-PRE	Carboy Blank	matrix spike dup, rec	8/17/2017	Metal	Selenium	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Carboy Blank	matrix spike, RPD	8/17/2017	Metal	Selenium	Total	=	4	%	EPA 200.8	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-PRE	Lab	method blank	8/17/2017	Metal	Selenium	Total	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2017/18-PRE	Lab	LCS	8/17/2017	Metal	Selenium	Total	=	52.8	µg/L	EPA 200.8	0.14	0.4			
2017/18-PRE	Lab	LCS, rec	8/17/2017	Metal	Selenium	Total	=	106	%	EPA 200.8	-88	-88	85	115	
2017/18-PRE	Tubing Blank	equip blank	8/17/2017	Metal	Selenium	Total	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2017/18-PRE	Tubing Blank	matrix spike	8/17/2017	Metal	Selenium	Total	=	50.7	µg/L	EPA 200.8	0.14	0.4			
2017/18-PRE	Tubing Blank	matrix spike, rec	8/17/2017	Metal	Selenium	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Tubing Blank	matrix spike dup	8/17/2017	Metal	Selenium	Total	=	51.4	µg/L	EPA 200.8	0.14	0.4			
2017/18-PRE	Tubing Blank	matrix spike dup, rec	8/17/2017	Metal	Selenium	Total	=	103	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Tubing Blank	matrix spike, RPD	8/17/2017	Metal	Selenium	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2017/18-PRE	Carboy Blank	equip blank	8/17/2017	Metal	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2			
2017/18-PRE	Carboy Blank	matrix spike	8/17/2017	Metal	Silver	Total	=	50.4	µg/L	EPA 200.8	0.062	0.2			
2017/18-PRE	Carboy Blank	matrix spike, rec	8/17/2017	Metal	Silver	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Carboy Blank	matrix spike dup	8/17/2017	Metal	Silver	Total	=	51.5	µg/L	EPA 200.8	0.062	0.2			
2017/18-PRE	Carboy Blank	matrix spike dup, rec	8/17/2017	Metal	Silver	Total	=	103	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Carboy Blank	matrix spike, RPD	8/17/2017	Metal	Silver	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2017/18-PRE	Lab	method blank	8/17/2017	Metal	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2			
2017/18-PRE	Lab	LCS	8/17/2017	Metal	Silver	Total	=	52.9	µg/L	EPA 200.8	0.062	0.2			
2017/18-PRE	Lab	LCS, rec	8/17/2017	Metal	Silver	Total	=	106	%	EPA 200.8	-88	-88	85	115	
2017/18-PRE	Tubing Blank	equip blank	8/17/2017	Metal	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2			
2017/18-PRE	Tubing Blank	matrix spike	8/17/2017	Metal	Silver	Total	=	51	µg/L	EPA 200.8	0.062	0.2			
2017/18-PRE	Tubing Blank	matrix spike, rec	8/17/2017	Metal	Silver	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Tubing Blank	matrix spike dup	8/17/2017	Metal	Silver	Total	=	50.9	µg/L	EPA 200.8	0.062	0.2			
2017/18-PRE	Tubing Blank	matrix spike dup, rec	8/17/2017	Metal	Silver	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Tubing Blank	matrix spike, RPD	8/17/2017	Metal	Silver	Total	=	0.2	%	EPA 200.8	-88	-88	0	30	
2017/18-PRE	Carboy Blank	equip blank	8/17/2017	Metal	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2017/18-PRE	Carboy Blank	matrix spike	8/17/2017	Metal	Thallium	Total	=	51.7	µg/L	EPA 200.8	0.014	0.2			
2017/18-PRE	Carboy Blank	matrix spike, rec	8/17/2017	Metal	Thallium	Total	=	103	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Carboy Blank	matrix spike dup	8/17/2017	Metal	Thallium	Total	=	52.7	µg/L	EPA 200.8	0.014	0.2			
2017/18-PRE	Carboy Blank	matrix spike dup, rec	8/17/2017	Metal	Thallium	Total	=	105	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Carboy Blank	matrix spike, RPD	8/17/2017	Metal	Thallium	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2017/18-PRE	Lab	method blank	8/17/2017	Metal	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2017/18-PRE	Lab	LCS	8/17/2017	Metal	Thallium	Total	=	54.2	µg/L	EPA 200.8	0.014	0.2			
2017/18-PRE	Lab	LCS, rec	8/17/2017	Metal	Thallium	Total	=	108	%	EPA 200.8	-88	-88	85	115	
2017/18-PRE	Tubing Blank	equip blank	8/17/2017	Metal	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2017/18-PRE	Tubing Blank	matrix spike	8/17/2017	Metal	Thallium	Total	=	52.6	µg/L	EPA 200.8	0.014	0.2			
2017/18-PRE	Tubing Blank	matrix spike, rec	8/17/2017	Metal	Thallium	Total	=	105	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Tubing Blank	matrix spike dup	8/17/2017	Metal	Thallium	Total	=	52.2	µg/L	EPA 200.8	0.014	0.2			
2017/18-PRE	Tubing Blank	matrix spike dup, rec	8/17/2017	Metal	Thallium	Total	=	104	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Tubing Blank	matrix spike, RPD	8/17/2017	Metal	Thallium	Total	=	0.7	%	EPA 200.8	-88	-88	0	30	
2017/18-PRE	Carboy Blank	matrix spike	8/18/2017	Metal	Zinc	Total	=	51.8	µg/L	EPA 200.8	0.94	5			
2017/18-PRE	Carboy Blank	matrix spike, rec	8/18/2017	Metal	Zinc	Total	=	104	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Carboy Blank	matrix spike dup	8/18/2017	Metal	Zinc	Total	=	51.8	µg/L	EPA 200.8	0.94	5			
2017/18-PRE	Carboy Blank	matrix spike dup, rec	8/18/2017	Metal	Zinc	Total	=	104	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Carboy Blank	matrix spike, RPD	8/18/2017	Metal	Zinc	Total	=	0.2	%	EPA 200.8	-88	-88	0	30	
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Metal	Zinc	Total	<	0.94	µg/L	EPA 200.8	0.94	5			
2017/18-PRE	Lab	method blank	8/18/2017	Metal	Zinc	Total	<	0.94	µg/L	EPA 200.8	0.94	5			
2017/18-PRE	Lab	LCS	8/18/2017	Metal	Zinc	Total	=	52.9	µg/L	EPA 200.8	0.94	5			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-PRE	Lab	LCS, rec	8/18/2017	Metal	Zinc	Total	=	106	%	EPA 200.8	-88	-88	85	115	
2017/18-PRE	Tubing Blank	matrix spike	8/18/2017	Metal	Zinc	Total	=	52.2	µg/L	EPA 200.8	0.94	5			
2017/18-PRE	Tubing Blank	matrix spike, rec	8/18/2017	Metal	Zinc	Total	=	104	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Tubing Blank	matrix spike dup	8/18/2017	Metal	Zinc	Total	=	52.4	µg/L	EPA 200.8	0.94	5			
2017/18-PRE	Tubing Blank	matrix spike dup, rec	8/18/2017	Metal	Zinc	Total	=	105	%	EPA 200.8	-88	-88	70	130	
2017/18-PRE	Tubing Blank	matrix spike, RPD	8/18/2017	Metal	Zinc	Total	=	0.3	%	EPA 200.8	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Metal	Zinc	Total	<	0.94	µg/L	EPA 200.8	0.94	5			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	1,2,4-Trichlorobenzene	n/a	=	19.5	µg/L	EPA 625	0.55	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	1,2,4-Trichlorobenzene	n/a	=	78	%	EPA 625	-88	-88	44	142	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	1,2,4-Trichlorobenzene	n/a	=	17.6	µg/L	EPA 625	0.55	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	1,2,4-Trichlorobenzene	n/a	=	70	%	EPA 625	-88	-88	44	142	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	1,2,4-Trichlorobenzene	n/a	=	10	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	1,2-Dichlorobenzene	n/a	=	19.8	µg/L	EPA 625	0.57	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	1,2-Dichlorobenzene	n/a	=	79	%	EPA 625	-88	-88	32	129	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	1,2-Dichlorobenzene	n/a	=	18.4	µg/L	EPA 625	0.57	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	1,2-Dichlorobenzene	n/a	=	74	%	EPA 625	-88	-88	32	129	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	1,2-Dichlorobenzene	n/a	=	7	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	1,3-Dichlorobenzene	n/a	=	18.6	µg/L	EPA 625	0.53	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	1,3-Dichlorobenzene	n/a	=	75	%	EPA 625	-88	-88	0.1	172	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	1,3-Dichlorobenzene	n/a	=	17.4	µg/L	EPA 625	0.53	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	1,3-Dichlorobenzene	n/a	=	70	%	EPA 625	-88	-88	0.1	172	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	1,3-Dichlorobenzene	n/a	=	7	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1			
2017/18-PRE	Carboy Blank	srgt equip blank	9/4/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.42	µg/L	EPA 525.2	-88	-88			
2017/18-PRE	Carboy Blank	srgt equip blank, rec	9/4/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	108	%	EPA 525.2	-88	-88	70	130	
2017/18-PRE	Lab	srgt method blank	9/3/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.2	µg/L	EPA 525.2	-88	-88			
2017/18-PRE	Lab	srgt method blank, rec	9/3/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	104	%	EPA 525.2	-88	-88	70	130	
2017/18-PRE	Lab	srgt LCS	9/3/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.2	µg/L	EPA 525.2	-88	-88			
2017/18-PRE	Lab	srgt LCS, rec	9/3/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	104	%	EPA 525.2	-88	-88	70	130	
2017/18-PRE	Lab	srgt LCS dup	9/3/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.07	µg/L	EPA 525.2	-88	-88			
2017/18-PRE	Lab	srgt LCS dup, rec	9/3/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	101	%	EPA 525.2	-88	-88	70	130	
2017/18-PRE	Tubing Blank	srgt equip blank	9/3/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.43	µg/L	EPA 525.2	-88	-88			
2017/18-PRE	Tubing Blank	srgt equip blank, rec	9/3/2017	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	109	%	EPA 525.2	-88	-88	70	130	
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	1,4-Dichlorobenzene	n/a	=	18.1	µg/L	EPA 625	0.55	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	1,4-Dichlorobenzene	n/a	=	72	%	EPA 625	-88	-88	20	124	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	1,4-Dichlorobenzene	n/a	=	16.8	µg/L	EPA 625	0.55	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	1,4-Dichlorobenzene	n/a	=	67	%	EPA 625	-88	-88	20	124	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	1,4-Dichlorobenzene	n/a	=	7	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1			
2017/18-PRE	Carboy Blank	srgt equip blank	8/18/2017	Organic	2,4,6-Tribromophenol	n/a	=	28.4	µg/L	EPA 625	-88	-88			
2017/18-PRE	Carboy Blank	srgt equip blank, rec	8/18/2017	Organic	2,4,6-Tribromophenol	n/a	=	57	%	EPA 625	-88	-88	25	102	
2017/18-PRE	Lab	srgt method blank	8/18/2017	Organic	2,4,6-Tribromophenol	n/a	=	26.4	µg/L	EPA 625	-88	-88			
2017/18-PRE	Lab	srgt method blank, rec	8/18/2017	Organic	2,4,6-Tribromophenol	n/a	=	53	%	EPA 625	-88	-88	25	102	
2017/18-PRE	Lab	srgt LCS	8/18/2017	Organic	2,4,6-Tribromophenol	n/a	=	36.4	µg/L	EPA 625	-88	-88			
2017/18-PRE	Lab	srgt LCS, rec	8/18/2017	Organic	2,4,6-Tribromophenol	n/a	=	73	%	EPA 625	-88	-88	25	102	
2017/18-PRE	Lab	srgt LCS dup	8/18/2017	Organic	2,4,6-Tribromophenol	n/a	=	34.5	µg/L	EPA 625	-88	-88			
2017/18-PRE	Lab	srgt LCS dup, rec	8/18/2017	Organic	2,4,6-Tribromophenol	n/a	=	69	%	EPA 625	-88	-88	25	102	
2017/18-PRE	Tubing Blank	srgt equip blank	8/18/2017	Organic	2,4,6-Tribromophenol	n/a	=	25.7	µg/L	EPA 625	-88	-88			
2017/18-PRE	Tubing Blank	srgt equip blank, rec	8/18/2017	Organic	2,4,6-Tribromophenol	n/a	=	51	%	EPA 625	-88	-88	25	102	
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	2,4,6-Trichlorophenol	n/a	=	18.7	µg/L	EPA 625	0.22	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	2,4,6-Trichlorophenol	n/a	=	75	%	EPA 625	-88	-88	37	144	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	2,4,6-Trichlorophenol	n/a	=	18.1	µg/L	EPA 625	0.22	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	2,4,6-Trichlorophenol	n/a	=	72	%	EPA 625	-88	-88	37	144	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	2,4,6-Trichlorophenol	n/a	=	4	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	2,4-Dichlorophenol	n/a	=	19	µg/L	EPA 625	0.26	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	2,4-Dichlorophenol	n/a	=	76	%	EPA 625	-88	-88	39	135	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	2,4-Dichlorophenol	n/a	=	17.8	µg/L	EPA 625	0.26	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	2,4-Dichlorophenol	n/a	=	71	%	EPA 625	-88	-88	39	135	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	2,4-Dichlorophenol	n/a	=	6	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	2,4-Dimethylphenol	n/a	=	16.3	µg/L	EPA 625	0.3	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	2,4-Dimethylphenol	n/a	=	65	%	EPA 625	-88	-88	32	119	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	2,4-Dimethylphenol	n/a	=	15.9	µg/L	EPA 625	0.3	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	2,4-Dimethylphenol	n/a	=	64	%	EPA 625	-88	-88	32	119	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	2,4-Dimethylphenol	n/a	=	2	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	2,4-Dinitrophenol	n/a	=	19.7	µg/L	EPA 625	1.6	10			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	2,4-Dinitrophenol	n/a	=	79	%	EPA 625	-88	-88	0.1	191	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	2,4-Dinitrophenol	n/a	=	18.1	µg/L	EPA 625	1.6	10			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	2,4-Dinitrophenol	n/a	=	72	%	EPA 625	-88	-88	0.1	191	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	2,4-Dinitrophenol	n/a	=	8	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	2,4-Dinitrotoluene	n/a	=	29.3	µg/L	EPA 625	0.18	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	2,4-Dinitrotoluene	n/a	=	117	%	EPA 625	-88	-88	39	139	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	2,4-Dinitrotoluene	n/a	=	29	µg/L	EPA 625	0.18	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	2,4-Dinitrotoluene	n/a	=	116	%	EPA 625	-88	-88	39	139	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	2,4-Dinitrotoluene	n/a	=	0.8	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	2,6-Dinitrotoluene	n/a	=	18.2	µg/L	EPA 625	0.27	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	2,6-Dinitrotoluene	n/a	=	73	%	EPA 625	-88	-88	50	158	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	2,6-Dinitrotoluene	n/a	=	18.7	µg/L	EPA 625	0.27	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	2,6-Dinitrotoluene	n/a	=	75	%	EPA 625	-88	-88	50	158	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	2,6-Dinitrotoluene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	2-Chloronaphthalene	n/a	=	18.6	µg/L	EPA 625	0.45	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	2-Chloronaphthalene	n/a	=	74	%	EPA 625	-88	-88	60	118	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	2-Chloronaphthalene	n/a	=	17.9	µg/L	EPA 625	0.45	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	2-Chloronaphthalene	n/a	=	72	%	EPA 625	-88	-88	60	118	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	2-Chloronaphthalene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	2-Chlorophenol	n/a	=	18	µg/L	EPA 625	0.28	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	2-Chlorophenol	n/a	=	72	%	EPA 625	-88	-88	23	134	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	2-Chlorophenol	n/a	=	16.7	µg/L	EPA 625	0.28	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	2-Chlorophenol	n/a	=	67	%	EPA 625	-88	-88	23	134	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	2-Chlorophenol	n/a	=	8	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1			
2017/18-PRE	Carboy Blank	srgt equip blank	8/18/2017	Organic	2-Fluorobiphenyl	n/a	=	15.2	µg/L	EPA 625	-88	-88			
2017/18-PRE	Carboy Blank	srgt equip blank, rec	8/18/2017	Organic	2-Fluorobiphenyl	n/a	=	61	%	EPA 625	-88	-88	22	107	
2017/18-PRE	Lab	srgt method blank	8/18/2017	Organic	2-Fluorobiphenyl	n/a	=	13.3	µg/L	EPA 625	-88	-88			
2017/18-PRE	Lab	srgt method blank, rec	8/18/2017	Organic	2-Fluorobiphenyl	n/a	=	53	%	EPA 625	-88	-88	22	107	
2017/18-PRE	Lab	srgt LCS	8/18/2017	Organic	2-Fluorobiphenyl	n/a	=	15.9	µg/L	EPA 625	-88	-88			
2017/18-PRE	Lab	srgt LCS, rec	8/18/2017	Organic	2-Fluorobiphenyl	n/a	=	63	%	EPA 625	-88	-88	22	107	
2017/18-PRE	Lab	srgt LCS dup	8/18/2017	Organic	2-Fluorobiphenyl	n/a	=	14.8	µg/L	EPA 625	-88	-88			
2017/18-PRE	Lab	srgt LCS dup, rec	8/18/2017	Organic	2-Fluorobiphenyl	n/a	=	59	%	EPA 625	-88	-88	22	107	
2017/18-PRE	Tubing Blank	srgt equip blank	8/18/2017	Organic	2-Fluorobiphenyl	n/a	=	12.9	µg/L	EPA 625	-88	-88			
2017/18-PRE	Tubing Blank	srgt equip blank, rec	8/18/2017	Organic	2-Fluorobiphenyl	n/a	=	51	%	EPA 625	-88	-88	22	107	
2017/18-PRE	Carboy Blank	srgt equip blank	8/18/2017	Organic	2-Fluorophenol	n/a	=	19.7	µg/L	EPA 625	-88	-88			
2017/18-PRE	Carboy Blank	srgt equip blank, rec	8/18/2017	Organic	2-Fluorophenol	n/a	=	39	%	EPA 625	-88	-88	3	74	
2017/18-PRE	Lab	srgt method blank	8/18/2017	Organic	2-Fluorophenol	n/a	=	18.2	µg/L	EPA 625	-88	-88			
2017/18-PRE	Lab	srgt method blank, rec	8/18/2017	Organic	2-Fluorophenol	n/a	=	36	%	EPA 625	-88	-88	3	74	
2017/18-PRE	Lab	srgt LCS	8/18/2017	Organic	2-Fluorophenol	n/a	=	20.8	µg/L	EPA 625	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-PRE	Lab	srgt LCS, rec	8/18/2017	Organic	2-Fluorophenol	n/a	=	42	%	EPA 625	-88	-88	3	74	
2017/18-PRE	Lab	srgt LCS dup	8/18/2017	Organic	2-Fluorophenol	n/a	=	19.7	µg/L	EPA 625	-88	-88			
2017/18-PRE	Lab	srgt LCS dup, rec	8/18/2017	Organic	2-Fluorophenol	n/a	=	39	%	EPA 625	-88	-88	3	74	
2017/18-PRE	Tubing Blank	srgt equip blank	8/18/2017	Organic	2-Fluorophenol	n/a	=	18.4	µg/L	EPA 625	-88	-88			
2017/18-PRE	Tubing Blank	srgt equip blank, rec	8/18/2017	Organic	2-Fluorophenol	n/a	=	37	%	EPA 625	-88	-88	3	74	
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	2-Nitrophenol	n/a	=	20.6	µg/L	EPA 625	0.26	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	2-Nitrophenol	n/a	=	82	%	EPA 625	-88	-88	29	182	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	2-Nitrophenol	n/a	=	19.1	µg/L	EPA 625	0.26	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	2-Nitrophenol	n/a	=	76	%	EPA 625	-88	-88	29	182	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	2-Nitrophenol	n/a	=	8	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	3,3'-Dichlorobenzidine	n/a	=	13.5	µg/L	EPA 625	1.2	5			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	3,3'-Dichlorobenzidine	n/a	=	54	%	EPA 625	-88	-88	0.1	262	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	3,3'-Dichlorobenzidine	n/a	=	13.1	µg/L	EPA 625	1.2	5			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	3,3'-Dichlorobenzidine	n/a	=	52	%	EPA 625	-88	-88	0.1	262	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	3,3'-Dichlorobenzidine	n/a	=	3	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	=	23.5	µg/L	EPA 625	1.7	5			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	=	94	%	EPA 625	-88	-88	0.1	181	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	=	22.7	µg/L	EPA 625	1.7	5			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	=	91	%	EPA 625	-88	-88	0.1	181	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	=	4	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	4-Bromophenyl phenyl ether	n/a	=	18.6	µg/L	EPA 625	0.36	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	4-Bromophenyl phenyl ether	n/a	=	74	%	EPA 625	-88	-88	53	127	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	4-Bromophenyl phenyl ether	n/a	=	18.4	µg/L	EPA 625	0.36	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	4-Bromophenyl phenyl ether	n/a	=	74	%	EPA 625	-88	-88	53	127	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	4-Bromophenyl phenyl ether	n/a	=	1	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	4-Chloro-3-methylphenol	n/a	=	18.8	µg/L	EPA 625	0.23	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	4-Chloro-3-methylphenol	n/a	=	75	%	EPA 625	-88	-88	22	147	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	4-Chloro-3-methylphenol	n/a	=	17.8	µg/L	EPA 625	0.23	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	4-Chloro-3-methylphenol	n/a	=	71	%	EPA 625	-88	-88	22	147	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	4-Chloro-3-methylphenol	n/a	=	5	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-PRE	Lab	LCS	8/18/2017	Organic	4-Chlorophenyl phenyl ether	n/a	=	21.2	µg/L	EPA 625	0.41	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	4-Chlorophenyl phenyl ether	n/a	=	85	%	EPA 625	-88	-88	25	158	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	4-Chlorophenyl phenyl ether	n/a	=	20.2	µg/L	EPA 625	0.41	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	4-Chlorophenyl phenyl ether	n/a	=	81	%	EPA 625	-88	-88	25	158	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	4-Chlorophenyl phenyl ether	n/a	=	5	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	4-Nitrophenol	n/a	=	11.2	µg/L	EPA 625	0.45	5			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	4-Nitrophenol	n/a	=	45	%	EPA 625	-88	-88	0.1	132	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	4-Nitrophenol	n/a	=	10.9	µg/L	EPA 625	0.45	5			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	4-Nitrophenol	n/a	=	44	%	EPA 625	-88	-88	0.1	132	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	4-Nitrophenol	n/a	=	2	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	Acenaphthene	n/a	=	20	µg/L	EPA 625	0.38	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	Acenaphthene	n/a	=	80	%	EPA 625	-88	-88	47	145	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	Acenaphthene	n/a	=	18.7	µg/L	EPA 625	0.38	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	Acenaphthene	n/a	=	75	%	EPA 625	-88	-88	47	145	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	Acenaphthene	n/a	=	7	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	Acenaphthylene	n/a	=	19.5	µg/L	EPA 625	0.4	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	Acenaphthylene	n/a	=	78	%	EPA 625	-88	-88	33	145	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	Acenaphthylene	n/a	=	18.8	µg/L	EPA 625	0.4	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	Acenaphthylene	n/a	=	75	%	EPA 625	-88	-88	33	145	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	Acenaphthylene	n/a	=	3	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	Anthracene	n/a	=	21.3	µg/L	EPA 625	0.34	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	Anthracene	n/a	=	85	%	EPA 625	-88	-88	27	133	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	Anthracene	n/a	=	20.9	µg/L	EPA 625	0.34	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	Anthracene	n/a	=	84	%	EPA 625	-88	-88	27	133	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	Anthracene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	Benz(a)anthracene	n/a	=	18.9	µg/L	EPA 625	0.19	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	Benz(a)anthracene	n/a	=	76	%	EPA 625	-88	-88	33	143	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	Benz(a)anthracene	n/a	=	17.9	µg/L	EPA 625	0.19	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	Benz(a)anthracene	n/a	=	71	%	EPA 625	-88	-88	33	143	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	Benz(a)anthracene	n/a	=	6	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-PRE	Lab	method blank	8/18/2017	Organic	Benidine	n/a	<	3.7	µg/L	EPA 625	3.7	10			
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	Benidine	n/a	<	3.7	µg/L	EPA 625	3.7	10			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1			
2017/18-PRE	Carboy Blank	equip blank	9/4/2017	Organic	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	Benzo(a)pyrene	n/a	=	24.6	µg/L	EPA 625	0.13	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	Benzo(a)pyrene	n/a	=	98	%	EPA 625	-88	-88	17	163	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	Benzo(a)pyrene	n/a	=	23.2	µg/L	EPA 625	0.13	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	Benzo(a)pyrene	n/a	=	93	%	EPA 625	-88	-88	17	163	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	Benzo(a)pyrene	n/a	=	6	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Lab	method blank	9/3/2017	Organic	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1			
2017/18-PRE	Lab	LCS	9/3/2017	Organic	Benzo(a)pyrene	n/a	=	4.74	µg/L	EPA 525.2	0.07	0.1			
2017/18-PRE	Lab	LCS, rec	9/3/2017	Organic	Benzo(a)pyrene	n/a	=	95	%	EPA 525.2	-88	-88	40	147	
2017/18-PRE	Lab	LCS dup	9/3/2017	Organic	Benzo(a)pyrene	n/a	=	4.56	µg/L	EPA 525.2	0.07	0.1			
2017/18-PRE	Lab	LCS dup, rec	9/3/2017	Organic	Benzo(a)pyrene	n/a	=	91	%	EPA 525.2	-88	-88	40	147	
2017/18-PRE	Lab	LCS, RPD	9/3/2017	Organic	Benzo(a)pyrene	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1			
2017/18-PRE	Tubing Blank	equip blank	9/3/2017	Organic	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	Benzo(b)fluoranthene	n/a	=	25.9	µg/L	EPA 625	0.14	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	Benzo(b)fluoranthene	n/a	=	104	%	EPA 625	-88	-88	24	159	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	Benzo(b)fluoranthene	n/a	=	24.9	µg/L	EPA 625	0.14	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	Benzo(b)fluoranthene	n/a	=	100	%	EPA 625	-88	-88	24	159	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	Benzo(b)fluoranthene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	Benzo(g,h,i)perylene	n/a	=	21.6	µg/L	EPA 625	0.1	2			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	Benzo(g,h,i)perylene	n/a	=	86	%	EPA 625	-88	-88	0.1	219	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	Benzo(g,h,i)perylene	n/a	=	21.9	µg/L	EPA 625	0.1	2			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	Benzo(g,h,i)perylene	n/a	=	88	%	EPA 625	-88	-88	0.1	219	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	Benzo(g,h,i)perylene	n/a	=	1	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	Benzo(k)fluoranthene	n/a	=	25.6	µg/L	EPA 625	0.22	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	Benzo(k)fluoranthene	n/a	=	103	%	EPA 625	-88	-88	11	162	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	Benzo(k)fluoranthene	n/a	=	22.4	µg/L	EPA 625	0.22	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	Benzo(k)fluoranthene	n/a	=	90	%	EPA 625	-88	-88	11	162	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	Benzo(k)fluoranthene	n/a	=	13	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	Bis(2-chloroethoxy)methane	n/a	=	19.2	µg/L	EPA 625	0.25	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	Bis(2-chloroethoxy)methane	n/a	=	77	%	EPA 625	-88	-88	33	184	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	Bis(2-chloroethoxy)methane	n/a	=	18	µg/L	EPA 625	0.25	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	Bis(2-chloroethoxy)methane	n/a	=	72	%	EPA 625	-88	-88	33	184	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	Bis(2-chloroethoxy)methane	n/a	=	6	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	Bis(2-chloroethyl)ether	n/a	=	17.1	µg/L	EPA 625	0.27	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	Bis(2-chloroethyl)ether	n/a	=	68	%	EPA 625	-88	-88	12	158	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	Bis(2-chloroethyl)ether	n/a	=	16	µg/L	EPA 625	0.27	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	Bis(2-chloroethyl)ether	n/a	=	64	%	EPA 625	-88	-88	12	158	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	Bis(2-chloroethyl)ether	n/a	=	7	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	Bis(2-chloroisopropyl)ether	n/a	=	19.8	µg/L	EPA 625	0.38	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	Bis(2-chloroisopropyl)ether	n/a	=	79	%	EPA 625	-88	-88	36	166	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	Bis(2-chloroisopropyl)ether	n/a	=	18.5	µg/L	EPA 625	0.38	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	Bis(2-chloroisopropyl)ether	n/a	=	74	%	EPA 625	-88	-88	36	166	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	Bis(2-chloroisopropyl)ether	n/a	=	7	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2017/18-PRE	Carboy Blank	equip blank	9/4/2017	Organic	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5			
2017/18-PRE	Lab	method blank	9/3/2017	Organic	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5			
2017/18-PRE	Lab	LCS	9/3/2017	Organic	Bis(2-ethylhexyl)adipate	n/a	=	5.63	µg/L	EPA 525.2	0.1	5			
2017/18-PRE	Lab	LCS, rec	9/3/2017	Organic	Bis(2-ethylhexyl)adipate	n/a	=	113	%	EPA 525.2	-88	-88	71	158	
2017/18-PRE	Lab	LCS dup	9/3/2017	Organic	Bis(2-ethylhexyl)adipate	n/a	=	5.72	µg/L	EPA 525.2	0.1	5			
2017/18-PRE	Lab	LCS dup, rec	9/3/2017	Organic	Bis(2-ethylhexyl)adipate	n/a	=	114	%	EPA 525.2	-88	-88	71	158	
2017/18-PRE	Lab	LCS, RPD	9/3/2017	Organic	Bis(2-ethylhexyl)adipate	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	9/3/2017	Organic	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	8.6	µg/L	EPA 625	2.3	5			
2017/18-PRE	Carboy Blank	equip blank	9/4/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	24.7	µg/L	EPA 625	2.3	5			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	99	%	EPA 625	-88	-88	8	158	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	22.5	µg/L	EPA 625	2.3	5			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	90	%	EPA 625	-88	-88	8	158	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	9	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Lab	method blank	9/3/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3			
2017/18-PRE	Lab	LCS	9/3/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	5.86	µg/L	EPA 525.2	1.1	3			
2017/18-PRE	Lab	LCS, rec	9/3/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	117	%	EPA 525.2	-88	-88	68	154	
2017/18-PRE	Lab	LCS dup	9/3/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	5.94	µg/L	EPA 525.2	1.1	3			
2017/18-PRE	Lab	LCS dup, rec	9/3/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	119	%	EPA 525.2	-88	-88	68	154	
2017/18-PRE	Lab	LCS, RPD	9/3/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	1	%	EPA 525.2	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5			
2017/18-PRE	Tubing Blank	equip blank	9/3/2017	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	Butyl benzyl phthalate	n/a	DNQ	0.42	µg/L	EPA 625	0.18	1			IP,UL-MB
2017/18-PRE	Lab	method blank	8/18/2017	Organic	Butyl benzyl phthalate	n/a	DNQ	0.267	µg/L	EPA 625	0.18	1			IP
2017/18-PRE	Lab	LCS	8/18/2017	Organic	Butyl benzyl phthalate	n/a	=	24.2	µg/L	EPA 625	0.18	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	Butyl benzyl phthalate	n/a	=	97	%	EPA 625	-88	-88	0.1	152	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	Butyl benzyl phthalate	n/a	=	22.5	µg/L	EPA 625	0.18	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	Butyl benzyl phthalate	n/a	=	90	%	EPA 625	-88	-88	0.1	152	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	Butyl benzyl phthalate	n/a	=	7	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	Chrysene	n/a	=	24.6	µg/L	EPA 625	0.19	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	Chrysene	n/a	=	98	%	EPA 625	-88	-88	17	168	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	Chrysene	n/a	=	23.3	µg/L	EPA 625	0.19	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	Chrysene	n/a	=	93	%	EPA 625	-88	-88	17	168	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	Chrysene	n/a	=	5	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	Dibenz(a,h)anthracene	n/a	=	22.8	µg/L	EPA 625	0.08	2			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	Dibenz(a,h)anthracene	n/a	=	91	%	EPA 625	-88	-88	0.1	227	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	Dibenz(a,h)anthracene	n/a	=	23.7	µg/L	EPA 625	0.08	2			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	Dibenz(a,h)anthracene	n/a	=	95	%	EPA 625	-88	-88	0.1	227	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	Dibenz(a,h)anthracene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	Diethyl phthalate	n/a	=	20.7	µg/L	EPA 625	0.15	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	Diethyl phthalate	n/a	=	83	%	EPA 625	-88	-88	0.1	114	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	Diethyl phthalate	n/a	=	20.6	µg/L	EPA 625	0.15	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	Diethyl phthalate	n/a	=	82	%	EPA 625	-88	-88	0.1	114	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	Diethyl phthalate	n/a	=	0.7	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	Diethyl phthalate	n/a	DNQ	0.74	µg/L	EPA 625	0.15	1			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	Dimethyl phthalate	n/a	=	19.9	µg/L	EPA 625	0.18	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	Dimethyl phthalate	n/a	=	79	%	EPA 625	-88	-88	0.1	112	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	Dimethyl phthalate	n/a	=	19.9	µg/L	EPA 625	0.18	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	Dimethyl phthalate	n/a	=	80	%	EPA 625	-88	-88	0.1	112	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	Dimethyl phthalate	n/a	=	0.3	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	Di-n-butylphthalate	n/a	=	26.3	µg/L	EPA 625	0.24	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	Di-n-butylphthalate	n/a	=	105	%	EPA 625	-88	-88	1	118	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	Di-n-butylphthalate	n/a	=	28.2	µg/L	EPA 625	0.24	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	Di-n-butylphthalate	n/a	=	113	%	EPA 625	-88	-88	1	118	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	Di-n-butylphthalate	n/a	=	7	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	Di-n-octylphthalate	n/a	=	26.9	µg/L	EPA 625	0.19	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	Di-n-octylphthalate	n/a	=	107	%	EPA 625	-88	-88	4	146	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	Di-n-octylphthalate	n/a	=	25.5	µg/L	EPA 625	0.19	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	Di-n-octylphthalate	n/a	=	102	%	EPA 625	-88	-88	4	146	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	Di-n-octylphthalate	n/a	=	5	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	Fluoranthene	n/a	=	21.9	µg/L	EPA 625	0.22	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	Fluoranthene	n/a	=	87	%	EPA 625	-88	-88	26	137	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	Fluoranthene	n/a	=	20.6	µg/L	EPA 625	0.22	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	Fluoranthene	n/a	=	82	%	EPA 625	-88	-88	26	137	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	Fluoranthene	n/a	=	6	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	Fluorene	n/a	=	19.9	µg/L	EPA 625	0.35	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	Fluorene	n/a	=	79	%	EPA 625	-88	-88	59	121	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	Fluorene	n/a	=	19.2	µg/L	EPA 625	0.35	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	Fluorene	n/a	=	77	%	EPA 625	-88	-88	59	121	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	Fluorene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	Hexachlorobenzene	n/a	=	17.4	µg/L	EPA 625	0.49	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	Hexachlorobenzene	n/a	=	70	%	EPA 625	-88	-88	0.1	152	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	Hexachlorobenzene	n/a	=	17.2	µg/L	EPA 625	0.49	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	Hexachlorobenzene	n/a	=	69	%	EPA 625	-88	-88	0.1	152	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	Hexachlorobenzene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	Hexachlorobutadiene	n/a	=	16.5	µg/L	EPA 625	0.47	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	Hexachlorobutadiene	n/a	=	66	%	EPA 625	-88	-88	24	116	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	Hexachlorobutadiene	n/a	=	15.4	µg/L	EPA 625	0.47	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	Hexachlorobutadiene	n/a	=	62	%	EPA 625	-88	-88	24	116	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	Hexachlorobutadiene	n/a	=	7	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	Hexachlorocyclopentadiene	n/a	=	9.56	µg/L	EPA 625	1.5	5			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	Hexachlorocyclopentadiene	n/a	=	38	%	EPA 625	-88	-88	0.1	81	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	Hexachlorocyclopentadiene	n/a	=	8.4	µg/L	EPA 625	1.5	5			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	Hexachlorocyclopentadiene	n/a	=	34	%	EPA 625	-88	-88	0.1	81	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	Hexachlorocyclopentadiene	n/a	=	13	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-PRE	Lab	LCS	8/18/2017	Organic	Hexachloroethane	n/a	=	18.8	µg/L	EPA 625	0.52	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	Hexachloroethane	n/a	=	75	%	EPA 625	-88	-88	40	113	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	Hexachloroethane	n/a	=	17.1	µg/L	EPA 625	0.52	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	Hexachloroethane	n/a	=	68	%	EPA 625	-88	-88	40	113	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	Hexachloroethane	n/a	=	9	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	23.2	µg/L	EPA 625	0.12	2			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	93	%	EPA 625	-88	-88	0.1	171	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	23.9	µg/L	EPA 625	0.12	2			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	95	%	EPA 625	-88	-88	0.1	171	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	3	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	Isophorone	n/a	=	21.4	µg/L	EPA 625	0.21	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	Isophorone	n/a	=	86	%	EPA 625	-88	-88	21	196	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	Isophorone	n/a	=	19.9	µg/L	EPA 625	0.21	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	Isophorone	n/a	=	79	%	EPA 625	-88	-88	21	196	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	Isophorone	n/a	=	8	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	Naphthalene	n/a	=	18.1	µg/L	EPA 625	0.49	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	Naphthalene	n/a	=	72	%	EPA 625	-88	-88	21	133	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	Naphthalene	n/a	=	17.5	µg/L	EPA 625	0.49	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	Naphthalene	n/a	=	70	%	EPA 625	-88	-88	21	133	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	Naphthalene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	Nitrobenzene	n/a	=	19.5	µg/L	EPA 625	0.36	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	Nitrobenzene	n/a	=	78	%	EPA 625	-88	-88	35	180	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	Nitrobenzene	n/a	=	17.7	µg/L	EPA 625	0.36	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	Nitrobenzene	n/a	=	71	%	EPA 625	-88	-88	35	180	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	Nitrobenzene	n/a	=	10	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2017/18-PRE	Carboy Blank	srgt equip blank	8/18/2017	Organic	Nitrobenzene-d5	n/a	=	15.4	µg/L	EPA 625	-88	-88			
2017/18-PRE	Carboy Blank	srgt equip blank, rec	8/18/2017	Organic	Nitrobenzene-d5	n/a	=	62	%	EPA 625	-88	-88	27	111	
2017/18-PRE	Lab	srgt method blank	8/18/2017	Organic	Nitrobenzene-d5	n/a	=	13.7	µg/L	EPA 625	-88	-88			
2017/18-PRE	Lab	srgt method blank, rec	8/18/2017	Organic	Nitrobenzene-d5	n/a	=	55	%	EPA 625	-88	-88	27	111	
2017/18-PRE	Lab	srgt LCS	8/18/2017	Organic	Nitrobenzene-d5	n/a	=	17	µg/L	EPA 625	-88	-88			
2017/18-PRE	Lab	srgt LCS, rec	8/18/2017	Organic	Nitrobenzene-d5	n/a	=	68	%	EPA 625	-88	-88	27	111	
2017/18-PRE	Lab	srgt LCS dup	8/18/2017	Organic	Nitrobenzene-d5	n/a	=	16.1	µg/L	EPA 625	-88	-88			
2017/18-PRE	Lab	srgt LCS dup, rec	8/18/2017	Organic	Nitrobenzene-d5	n/a	=	64	%	EPA 625	-88	-88	27	111	
2017/18-PRE	Tubing Blank	srgt equip blank	8/18/2017	Organic	Nitrobenzene-d5	n/a	=	14	µg/L	EPA 625	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-PRE	Tubing Blank	srgt equip blank, rec	8/18/2017	Organic	Nitrobenzene-d5	n/a	=	56	%	EPA 625	-88	-88	27	111	
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	N-Nitrosodimethylamine	n/a	=	12.4	µg/L	EPA 625	0.14	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	N-Nitrosodimethylamine	n/a	=	50	%	EPA 625	-88	-88	28	75	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	N-Nitrosodimethylamine	n/a	=	11.4	µg/L	EPA 625	0.14	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	N-Nitrosodimethylamine	n/a	=	46	%	EPA 625	-88	-88	28	75	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	N-Nitrosodimethylamine	n/a	=	8	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	N-Nitrosodi-N-propylamine	n/a	=	7.15	µg/L	EPA 625	0.26	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	N-Nitrosodi-N-propylamine	n/a	=	29	%	EPA 625	-88	-88	0.1	230	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	N-Nitrosodi-N-propylamine	n/a	=	5.98	µg/L	EPA 625	0.26	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	N-Nitrosodi-N-propylamine	n/a	=	24	%	EPA 625	-88	-88	0.1	230	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	N-Nitrosodi-N-propylamine	n/a	=	18	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	N-Nitrosodiphenylamine	n/a	=	17.9	µg/L	EPA 625	0.19	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	N-Nitrosodiphenylamine	n/a	=	71	%	EPA 625	-88	-88	42	90	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	N-Nitrosodiphenylamine	n/a	=	17.8	µg/L	EPA 625	0.19	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	N-Nitrosodiphenylamine	n/a	=	71	%	EPA 625	-88	-88	42	90	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	N-Nitrosodiphenylamine	n/a	=	0.2	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2017/18-PRE	Carboy Blank	srgt equip blank	9/4/2017	Organic	Perylene-d12	n/a	=	4.27	µg/L	EPA 525.2	-88	-88			
2017/18-PRE	Carboy Blank	srgt equip blank, rec	9/4/2017	Organic	Perylene-d12	n/a	=	85	%	EPA 525.2	-88	-88	50	120	
2017/18-PRE	Lab	srgt method blank	9/3/2017	Organic	Perylene-d12	n/a	=	4.85	µg/L	EPA 525.2	-88	-88			
2017/18-PRE	Lab	srgt method blank, rec	9/3/2017	Organic	Perylene-d12	n/a	=	97	%	EPA 525.2	-88	-88	50	120	
2017/18-PRE	Lab	srgt LCS	9/3/2017	Organic	Perylene-d12	n/a	=	4.99	µg/L	EPA 525.2	-88	-88			
2017/18-PRE	Lab	srgt LCS, rec	9/3/2017	Organic	Perylene-d12	n/a	=	100	%	EPA 525.2	-88	-88	50	120	
2017/18-PRE	Lab	srgt LCS dup	9/3/2017	Organic	Perylene-d12	n/a	=	4.83	µg/L	EPA 525.2	-88	-88			
2017/18-PRE	Lab	srgt LCS dup, rec	9/3/2017	Organic	Perylene-d12	n/a	=	97	%	EPA 525.2	-88	-88	50	120	
2017/18-PRE	Tubing Blank	srgt equip blank	9/3/2017	Organic	Perylene-d12	n/a	=	4.15	µg/L	EPA 525.2	-88	-88			
2017/18-PRE	Tubing Blank	srgt equip blank, rec	9/3/2017	Organic	Perylene-d12	n/a	=	83	%	EPA 525.2	-88	-88	50	120	
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	Phenanthrene	n/a	=	21.1	µg/L	EPA 625	0.32	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	Phenanthrene	n/a	=	85	%	EPA 625	-88	-88	54	120	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	Phenanthrene	n/a	=	20.5	µg/L	EPA 625	0.32	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	Phenanthrene	n/a	=	82	%	EPA 625	-88	-88	54	120	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	Phenanthrene	n/a	=	3	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	Phenol	n/a	=	7.72	µg/L	EPA 625	0.16	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	Phenol	n/a	=	31	%	EPA 625	-88	-88	5	112	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	Phenol	n/a	=	7.35	µg/L	EPA 625	0.16	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	Phenol	n/a	=	29	%	EPA 625	-88	-88	5	112	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	Phenol	n/a	=	5	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1			
2017/18-PRE	Carboy Blank	srgt equip blank	8/18/2017	Organic	Phenol-d5	n/a	=	14	µg/L	EPA 625	-88	-88			
2017/18-PRE	Carboy Blank	srgt equip blank, rec	8/18/2017	Organic	Phenol-d5	n/a	=	28	%	EPA 625	-88	-88	0.1	53	
2017/18-PRE	Lab	srgt method blank	8/18/2017	Organic	Phenol-d5	n/a	=	13.7	µg/L	EPA 625	-88	-88			
2017/18-PRE	Lab	srgt method blank, rec	8/18/2017	Organic	Phenol-d5	n/a	=	27	%	EPA 625	-88	-88	0.1	53	
2017/18-PRE	Lab	srgt LCS	8/18/2017	Organic	Phenol-d5	n/a	=	15.8	µg/L	EPA 625	-88	-88			
2017/18-PRE	Lab	srgt LCS, rec	8/18/2017	Organic	Phenol-d5	n/a	=	32	%	EPA 625	-88	-88	0.1	53	
2017/18-PRE	Lab	srgt LCS dup	8/18/2017	Organic	Phenol-d5	n/a	=	14.6	µg/L	EPA 625	-88	-88			
2017/18-PRE	Lab	srgt LCS dup, rec	8/18/2017	Organic	Phenol-d5	n/a	=	29	%	EPA 625	-88	-88	0.1	53	
2017/18-PRE	Tubing Blank	srgt equip blank	8/18/2017	Organic	Phenol-d5	n/a	=	12.9	µg/L	EPA 625	-88	-88			
2017/18-PRE	Tubing Blank	srgt equip blank, rec	8/18/2017	Organic	Phenol-d5	n/a	=	26	%	EPA 625	-88	-88	0.1	53	
2017/18-PRE	Carboy Blank	srgt equip blank	8/18/2017	Organic	p-Terphenyl-d14	n/a	=	17.1	µg/L	EPA 625	-88	-88			
2017/18-PRE	Carboy Blank	srgt equip blank, rec	8/18/2017	Organic	p-Terphenyl-d14	n/a	=	68	%	EPA 625	-88	-88	28	113	
2017/18-PRE	Lab	srgt method blank	8/18/2017	Organic	p-Terphenyl-d14	n/a	=	16.4	µg/L	EPA 625	-88	-88			
2017/18-PRE	Lab	srgt method blank, rec	8/18/2017	Organic	p-Terphenyl-d14	n/a	=	66	%	EPA 625	-88	-88	28	113	
2017/18-PRE	Lab	srgt LCS	8/18/2017	Organic	p-Terphenyl-d14	n/a	=	18.5	µg/L	EPA 625	-88	-88			
2017/18-PRE	Lab	srgt LCS, rec	8/18/2017	Organic	p-Terphenyl-d14	n/a	=	74	%	EPA 625	-88	-88	28	113	
2017/18-PRE	Lab	srgt LCS dup	8/18/2017	Organic	p-Terphenyl-d14	n/a	=	17.2	µg/L	EPA 625	-88	-88			
2017/18-PRE	Lab	srgt LCS dup, rec	8/18/2017	Organic	p-Terphenyl-d14	n/a	=	69	%	EPA 625	-88	-88	28	113	
2017/18-PRE	Tubing Blank	srgt equip blank	8/18/2017	Organic	p-Terphenyl-d14	n/a	=	15.7	µg/L	EPA 625	-88	-88			
2017/18-PRE	Tubing Blank	srgt equip blank, rec	8/18/2017	Organic	p-Terphenyl-d14	n/a	=	63	%	EPA 625	-88	-88	28	113	
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Organic	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2017/18-PRE	Lab	method blank	8/18/2017	Organic	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2017/18-PRE	Lab	LCS	8/18/2017	Organic	Pyrene	n/a	=	21.1	µg/L	EPA 625	0.25	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Organic	Pyrene	n/a	=	84	%	EPA 625	-88	-88	52	115	
2017/18-PRE	Lab	LCS dup	8/18/2017	Organic	Pyrene	n/a	=	20.4	µg/L	EPA 625	0.25	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Organic	Pyrene	n/a	=	82	%	EPA 625	-88	-88	52	115	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Organic	Pyrene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Organic	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2017/18-PRE	Carboy Blank	srgt equip blank	9/4/2017	Organic	Triphenylphosphate	n/a	=	5.54	µg/L	EPA 525.2	-88	-88			
2017/18-PRE	Carboy Blank	srgt equip blank, rec	9/4/2017	Organic	Triphenylphosphate	n/a	=	111	%	EPA 525.2	-88	-88	70	130	
2017/18-PRE	Lab	srgt method blank	9/3/2017	Organic	Triphenylphosphate	n/a	=	6.24	µg/L	EPA 525.2	-88	-88			
2017/18-PRE	Lab	srgt method blank, rec	9/3/2017	Organic	Triphenylphosphate	n/a	=	125	%	EPA 525.2	-88	-88	70	130	
2017/18-PRE	Lab	srgt LCS	9/3/2017	Organic	Triphenylphosphate	n/a	=	6.81	µg/L	EPA 525.2	-88	-88			GN
2017/18-PRE	Lab	srgt LCS, rec	9/3/2017	Organic	Triphenylphosphate	n/a	=	136	%	EPA 525.2	-88	-88	70	130	GN
2017/18-PRE	Lab	srgt LCS dup	9/3/2017	Organic	Triphenylphosphate	n/a	=	6.18	µg/L	EPA 525.2	-88	-88			
2017/18-PRE	Lab	srgt LCS dup, rec	9/3/2017	Organic	Triphenylphosphate	n/a	=	124	%	EPA 525.2	-88	-88	70	130	
2017/18-PRE	Tubing Blank	srgt equip blank	9/3/2017	Organic	Triphenylphosphate	n/a	=	5.42	µg/L	EPA 525.2	-88	-88			
2017/18-PRE	Tubing Blank	srgt equip blank, rec	9/3/2017	Organic	Triphenylphosphate	n/a	=	108	%	EPA 525.2	-88	-88	70	130	
2017/18-PRE	Carboy Blank	equip blank	9/4/2017	Pesticide	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1			
2017/18-PRE	Lab	method blank	9/3/2017	Pesticide	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1			
2017/18-PRE	Lab	LCS	9/3/2017	Pesticide	Alachlor	n/a	=	5.28	µg/L	EPA 525.2	0.022	0.1			
2017/18-PRE	Lab	LCS, rec	9/3/2017	Pesticide	Alachlor	n/a	=	106	%	EPA 525.2	-88	-88	55	124	
2017/18-PRE	Lab	LCS dup	9/3/2017	Pesticide	Alachlor	n/a	=	5.17	µg/L	EPA 525.2	0.022	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-PRE	Lab	LCS dup, rec	9/3/2017	Pesticide	Alachlor	n/a	=	103	%	EPA 525.2	-88	-88	55	124	
2017/18-PRE	Lab	LCS, RPD	9/3/2017	Pesticide	Alachlor	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	9/3/2017	Pesticide	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1			
2017/18-PRE	Lab	method blank	9/3/2017	Pesticide	Aldrin	n/a	<	0.05	µg/L	EPA 525.2	0.05	0.05			
2017/18-PRE	Carboy Blank	equip blank	9/4/2017	Pesticide	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1			
2017/18-PRE	Lab	method blank	9/3/2017	Pesticide	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1			
2017/18-PRE	Lab	LCS	9/3/2017	Pesticide	Atrazine	n/a	=	5.53	µg/L	EPA 525.2	0.034	0.1			
2017/18-PRE	Lab	LCS, rec	9/3/2017	Pesticide	Atrazine	n/a	=	111	%	EPA 525.2	-88	-88	67	131	
2017/18-PRE	Lab	LCS dup	9/3/2017	Pesticide	Atrazine	n/a	=	5.11	µg/L	EPA 525.2	0.034	0.1			
2017/18-PRE	Lab	LCS dup, rec	9/3/2017	Pesticide	Atrazine	n/a	=	102	%	EPA 525.2	-88	-88	67	131	
2017/18-PRE	Lab	LCS, RPD	9/3/2017	Pesticide	Atrazine	n/a	=	8	%	EPA 525.2	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	9/3/2017	Pesticide	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1			
2017/18-PRE	Carboy Blank	equip blank	9/4/2017	Pesticide	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	0.5			
2017/18-PRE	Lab	method blank	9/3/2017	Pesticide	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	0.5			
2017/18-PRE	Lab	LCS	9/3/2017	Pesticide	Bromacil	n/a	=	4.97	µg/L	EPA 525.2	0.038	0.5			
2017/18-PRE	Lab	LCS, rec	9/3/2017	Pesticide	Bromacil	n/a	=	99	%	EPA 525.2	-88	-88	62	139	
2017/18-PRE	Lab	LCS dup	9/3/2017	Pesticide	Bromacil	n/a	=	4.96	µg/L	EPA 525.2	0.038	0.5			
2017/18-PRE	Lab	LCS dup, rec	9/3/2017	Pesticide	Bromacil	n/a	=	99	%	EPA 525.2	-88	-88	62	139	
2017/18-PRE	Lab	LCS, RPD	9/3/2017	Pesticide	Bromacil	n/a	=	0.3	%	EPA 525.2	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	9/3/2017	Pesticide	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	0.5			
2017/18-PRE	Carboy Blank	equip blank	9/4/2017	Pesticide	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.1			
2017/18-PRE	Lab	method blank	9/3/2017	Pesticide	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.1			
2017/18-PRE	Lab	LCS	9/3/2017	Pesticide	Butachlor	n/a	=	5.67	µg/L	EPA 525.2	0.017	0.1			
2017/18-PRE	Lab	LCS, rec	9/3/2017	Pesticide	Butachlor	n/a	=	113	%	EPA 525.2	-88	-88	61	127	
2017/18-PRE	Lab	LCS dup	9/3/2017	Pesticide	Butachlor	n/a	=	5.29	µg/L	EPA 525.2	0.017	0.1			
2017/18-PRE	Lab	LCS dup, rec	9/3/2017	Pesticide	Butachlor	n/a	=	106	%	EPA 525.2	-88	-88	61	127	
2017/18-PRE	Lab	LCS, RPD	9/3/2017	Pesticide	Butachlor	n/a	=	7	%	EPA 525.2	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	9/3/2017	Pesticide	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.1			
2017/18-PRE	Carboy Blank	equip blank	9/4/2017	Pesticide	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1			
2017/18-PRE	Lab	method blank	9/3/2017	Pesticide	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1			
2017/18-PRE	Lab	LCS	9/3/2017	Pesticide	Captan	n/a	=	5.45	µg/L	EPA 525.2	0.86	1			
2017/18-PRE	Lab	LCS, rec	9/3/2017	Pesticide	Captan	n/a	=	109	%	EPA 525.2	-88	-88	14	159	
2017/18-PRE	Lab	LCS dup	9/3/2017	Pesticide	Captan	n/a	=	5.37	µg/L	EPA 525.2	0.86	1			
2017/18-PRE	Lab	LCS dup, rec	9/3/2017	Pesticide	Captan	n/a	=	107	%	EPA 525.2	-88	-88	14	159	
2017/18-PRE	Lab	LCS, RPD	9/3/2017	Pesticide	Captan	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	9/3/2017	Pesticide	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1			
2017/18-PRE	Carboy Blank	equip blank	9/4/2017	Pesticide	Chloroprotham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1			
2017/18-PRE	Lab	method blank	9/3/2017	Pesticide	Chloroprotham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1			
2017/18-PRE	Lab	LCS	9/3/2017	Pesticide	Chloroprotham	n/a	=	5.64	µg/L	EPA 525.2	0.01	0.1			
2017/18-PRE	Lab	LCS, rec	9/3/2017	Pesticide	Chloroprotham	n/a	=	113	%	EPA 525.2	-88	-88	77	143	
2017/18-PRE	Lab	LCS dup	9/3/2017	Pesticide	Chloroprotham	n/a	=	5.45	µg/L	EPA 525.2	0.01	0.1			
2017/18-PRE	Lab	LCS dup, rec	9/3/2017	Pesticide	Chloroprotham	n/a	=	109	%	EPA 525.2	-88	-88	77	143	
2017/18-PRE	Lab	LCS, RPD	9/3/2017	Pesticide	Chloroprotham	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	9/3/2017	Pesticide	Chloroprotham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1			
2017/18-PRE	Carboy Blank	equip blank	9/4/2017	Pesticide	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2017/18-PRE	Lab	method blank	9/3/2017	Pesticide	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2017/18-PRE	Lab	LCS	9/3/2017	Pesticide	Cyanazine	n/a	=	4.53	µg/L	EPA 525.2	0.024	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-PRE	Lab	LCS, rec	9/3/2017	Pesticide	Cyanazine	n/a	=	91	%	EPA 525.2	-88	-88	61	129	
2017/18-PRE	Lab	LCS dup	9/3/2017	Pesticide	Cyanazine	n/a	=	4.37	µg/L	EPA 525.2	0.024	0.1			
2017/18-PRE	Lab	LCS dup, rec	9/3/2017	Pesticide	Cyanazine	n/a	=	87	%	EPA 525.2	-88	-88	61	129	
2017/18-PRE	Lab	LCS, RPD	9/3/2017	Pesticide	Cyanazine	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	9/3/2017	Pesticide	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2017/18-PRE	Carboy Blank	equip blank	9/4/2017	Pesticide	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1			
2017/18-PRE	Lab	method blank	9/3/2017	Pesticide	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1			
2017/18-PRE	Lab	LCS	9/3/2017	Pesticide	Diazinon	n/a	=	3.11	µg/L	EPA 525.2	0.096	0.1			
2017/18-PRE	Lab	LCS, rec	9/3/2017	Pesticide	Diazinon	n/a	=	62	%	EPA 525.2	-88	-88	30	120	
2017/18-PRE	Lab	LCS dup	9/3/2017	Pesticide	Diazinon	n/a	=	3.58	µg/L	EPA 525.2	0.096	0.1			
2017/18-PRE	Lab	LCS dup, rec	9/3/2017	Pesticide	Diazinon	n/a	=	72	%	EPA 525.2	-88	-88	30	120	
2017/18-PRE	Lab	LCS, RPD	9/3/2017	Pesticide	Diazinon	n/a	=	14	%	EPA 525.2	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	9/3/2017	Pesticide	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1			
2017/18-PRE	Carboy Blank	equip blank	9/4/2017	Pesticide	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2017/18-PRE	Lab	method blank	9/3/2017	Pesticide	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2017/18-PRE	Lab	LCS	9/3/2017	Pesticide	Dimethoate	n/a	=	4.4	µg/L	EPA 525.2	0.024	0.2			
2017/18-PRE	Lab	LCS, rec	9/3/2017	Pesticide	Dimethoate	n/a	=	88	%	EPA 525.2	-88	-88	38	102	
2017/18-PRE	Lab	LCS dup	9/3/2017	Pesticide	Dimethoate	n/a	=	3.96	µg/L	EPA 525.2	0.024	0.2			
2017/18-PRE	Lab	LCS dup, rec	9/3/2017	Pesticide	Dimethoate	n/a	=	79	%	EPA 525.2	-88	-88	38	102	
2017/18-PRE	Lab	LCS, RPD	9/3/2017	Pesticide	Dimethoate	n/a	=	11	%	EPA 525.2	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	9/3/2017	Pesticide	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2017/18-PRE	Carboy Blank	equip blank	9/4/2017	Pesticide	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2017/18-PRE	Lab	method blank	9/3/2017	Pesticide	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2017/18-PRE	Lab	LCS	9/3/2017	Pesticide	Diphenamid	n/a	=	6.08	µg/L	EPA 525.2	0.024	0.1			
2017/18-PRE	Lab	LCS, rec	9/3/2017	Pesticide	Diphenamid	n/a	=	122	%	EPA 525.2	-88	-88	77	124	
2017/18-PRE	Lab	LCS dup	9/3/2017	Pesticide	Diphenamid	n/a	=	5.76	µg/L	EPA 525.2	0.024	0.1			
2017/18-PRE	Lab	LCS dup, rec	9/3/2017	Pesticide	Diphenamid	n/a	=	115	%	EPA 525.2	-88	-88	77	124	
2017/18-PRE	Lab	LCS, RPD	9/3/2017	Pesticide	Diphenamid	n/a	=	5	%	EPA 525.2	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	9/3/2017	Pesticide	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2017/18-PRE	Carboy Blank	equip blank	9/4/2017	Pesticide	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1			
2017/18-PRE	Lab	method blank	9/3/2017	Pesticide	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1			
2017/18-PRE	Lab	LCS	9/3/2017	Pesticide	Disulfoton	n/a	=	4.42	µg/L	EPA 525.2	0.031	0.1			
2017/18-PRE	Lab	LCS, rec	9/3/2017	Pesticide	Disulfoton	n/a	=	88	%	EPA 525.2	-88	-88	54	156	
2017/18-PRE	Lab	LCS dup	9/3/2017	Pesticide	Disulfoton	n/a	=	3.63	µg/L	EPA 525.2	0.031	0.1			
2017/18-PRE	Lab	LCS dup, rec	9/3/2017	Pesticide	Disulfoton	n/a	=	73	%	EPA 525.2	-88	-88	54	156	
2017/18-PRE	Lab	LCS, RPD	9/3/2017	Pesticide	Disulfoton	n/a	=	20	%	EPA 525.2	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	9/3/2017	Pesticide	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1			
2017/18-PRE	Carboy Blank	equip blank	9/4/2017	Pesticide	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.1			
2017/18-PRE	Lab	method blank	9/3/2017	Pesticide	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.1			
2017/18-PRE	Lab	LCS	9/3/2017	Pesticide	EPTC	n/a	=	6.19	µg/L	EPA 525.2	0.017	0.1			
2017/18-PRE	Lab	LCS, rec	9/3/2017	Pesticide	EPTC	n/a	=	124	%	EPA 525.2	-88	-88	70	130	
2017/18-PRE	Lab	LCS dup	9/3/2017	Pesticide	EPTC	n/a	=	5.96	µg/L	EPA 525.2	0.017	0.1			
2017/18-PRE	Lab	LCS dup, rec	9/3/2017	Pesticide	EPTC	n/a	=	119	%	EPA 525.2	-88	-88	70	130	
2017/18-PRE	Lab	LCS, RPD	9/3/2017	Pesticide	EPTC	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	9/3/2017	Pesticide	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.1			
2017/18-PRE	Carboy Blank	equip blank	9/4/2017	Pesticide	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2017/18-PRE	Lab	method blank	9/3/2017	Pesticide	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-PRE	Lab	LCS	9/3/2017	Pesticide	Metolachlor	n/a	=	5.36	µg/L	EPA 525.2	0.012	0.1			
2017/18-PRE	Lab	LCS, rec	9/3/2017	Pesticide	Metolachlor	n/a	=	107	%	EPA 525.2	-88	-88	61	123	
2017/18-PRE	Lab	LCS dup	9/3/2017	Pesticide	Metolachlor	n/a	=	5.18	µg/L	EPA 525.2	0.012	0.1			
2017/18-PRE	Lab	LCS dup, rec	9/3/2017	Pesticide	Metolachlor	n/a	=	104	%	EPA 525.2	-88	-88	61	123	
2017/18-PRE	Lab	LCS, RPD	9/3/2017	Pesticide	Metolachlor	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	9/3/2017	Pesticide	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2017/18-PRE	Carboy Blank	equip blank	9/4/2017	Pesticide	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2017/18-PRE	Lab	method blank	9/3/2017	Pesticide	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2017/18-PRE	Lab	LCS	9/3/2017	Pesticide	Metribuzin	n/a	=	4.8	µg/L	EPA 525.2	0.015	0.1			
2017/18-PRE	Lab	LCS, rec	9/3/2017	Pesticide	Metribuzin	n/a	=	96	%	EPA 525.2	-88	-88	50	121	
2017/18-PRE	Lab	LCS dup	9/3/2017	Pesticide	Metribuzin	n/a	=	4.89	µg/L	EPA 525.2	0.015	0.1			
2017/18-PRE	Lab	LCS dup, rec	9/3/2017	Pesticide	Metribuzin	n/a	=	98	%	EPA 525.2	-88	-88	50	121	
2017/18-PRE	Lab	LCS, RPD	9/3/2017	Pesticide	Metribuzin	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	9/3/2017	Pesticide	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2017/18-PRE	Carboy Blank	equip blank	9/4/2017	Pesticide	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1			
2017/18-PRE	Lab	method blank	9/3/2017	Pesticide	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1			
2017/18-PRE	Lab	LCS	9/3/2017	Pesticide	Molinate	n/a	=	5.49	µg/L	EPA 525.2	0.039	0.1			
2017/18-PRE	Lab	LCS, rec	9/3/2017	Pesticide	Molinate	n/a	=	110	%	EPA 525.2	-88	-88	82	117	
2017/18-PRE	Lab	LCS dup	9/3/2017	Pesticide	Molinate	n/a	=	5.47	µg/L	EPA 525.2	0.039	0.1			
2017/18-PRE	Lab	LCS dup, rec	9/3/2017	Pesticide	Molinate	n/a	=	109	%	EPA 525.2	-88	-88	82	117	
2017/18-PRE	Lab	LCS, RPD	9/3/2017	Pesticide	Molinate	n/a	=	0.3	%	EPA 525.2	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	9/3/2017	Pesticide	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1			
2017/18-PRE	Carboy Blank	equip blank	8/18/2017	Pesticide	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2017/18-PRE	Lab	method blank	8/18/2017	Pesticide	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2017/18-PRE	Lab	LCS	8/18/2017	Pesticide	Pentachlorophenol	n/a	=	22.6	µg/L	EPA 625	0.19	1			
2017/18-PRE	Lab	LCS, rec	8/18/2017	Pesticide	Pentachlorophenol	n/a	=	90	%	EPA 625	-88	-88	14	176	
2017/18-PRE	Lab	LCS dup	8/18/2017	Pesticide	Pentachlorophenol	n/a	=	21.7	µg/L	EPA 625	0.19	1			
2017/18-PRE	Lab	LCS dup, rec	8/18/2017	Pesticide	Pentachlorophenol	n/a	=	87	%	EPA 625	-88	-88	14	176	
2017/18-PRE	Lab	LCS, RPD	8/18/2017	Pesticide	Pentachlorophenol	n/a	=	4	%	EPA 625	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	8/18/2017	Pesticide	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2017/18-PRE	Carboy Blank	equip blank	9/4/2017	Pesticide	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2017/18-PRE	Lab	method blank	9/3/2017	Pesticide	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2017/18-PRE	Lab	LCS	9/3/2017	Pesticide	Prometon	n/a	=	2.04	µg/L	EPA 525.2	0.024	0.1			
2017/18-PRE	Lab	LCS, rec	9/3/2017	Pesticide	Prometon	n/a	=	41	%	EPA 525.2	-88	-88	17	101	
2017/18-PRE	Lab	LCS dup	9/3/2017	Pesticide	Prometon	n/a	=	2.2	µg/L	EPA 525.2	0.024	0.1			
2017/18-PRE	Lab	LCS dup, rec	9/3/2017	Pesticide	Prometon	n/a	=	44	%	EPA 525.2	-88	-88	17	101	
2017/18-PRE	Lab	LCS, RPD	9/3/2017	Pesticide	Prometon	n/a	=	7	%	EPA 525.2	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	9/3/2017	Pesticide	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2017/18-PRE	Carboy Blank	equip blank	9/4/2017	Pesticide	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1			
2017/18-PRE	Lab	method blank	9/3/2017	Pesticide	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1			
2017/18-PRE	Lab	LCS	9/3/2017	Pesticide	Prometryn	n/a	=	4.73	µg/L	EPA 525.2	0.036	0.1			
2017/18-PRE	Lab	LCS, rec	9/3/2017	Pesticide	Prometryn	n/a	=	95	%	EPA 525.2	-88	-88	57	122	
2017/18-PRE	Lab	LCS dup	9/3/2017	Pesticide	Prometryn	n/a	=	4.36	µg/L	EPA 525.2	0.036	0.1			
2017/18-PRE	Lab	LCS dup, rec	9/3/2017	Pesticide	Prometryn	n/a	=	87	%	EPA 525.2	-88	-88	57	122	
2017/18-PRE	Lab	LCS, RPD	9/3/2017	Pesticide	Prometryn	n/a	=	8	%	EPA 525.2	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	9/3/2017	Pesticide	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1			
2017/18-PRE	Carboy Blank	equip blank	9/4/2017	Pesticide	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2017/18-PRE	Lab	method blank	9/3/2017	Pesticide	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2017/18-PRE	Lab	LCS	9/3/2017	Pesticide	Simazine	n/a	=	4.63	µg/L	EPA 525.2	0.015	0.1			
2017/18-PRE	Lab	LCS, rec	9/3/2017	Pesticide	Simazine	n/a	=	93	%	EPA 525.2	-88	-88	53	116	
2017/18-PRE	Lab	LCS dup	9/3/2017	Pesticide	Simazine	n/a	=	4.58	µg/L	EPA 525.2	0.015	0.1			
2017/18-PRE	Lab	LCS dup, rec	9/3/2017	Pesticide	Simazine	n/a	=	92	%	EPA 525.2	-88	-88	53	116	
2017/18-PRE	Lab	LCS, RPD	9/3/2017	Pesticide	Simazine	n/a	=	1	%	EPA 525.2	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	9/3/2017	Pesticide	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2017/18-PRE	Carboy Blank	equip blank	9/4/2017	Pesticide	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2			
2017/18-PRE	Lab	method blank	9/3/2017	Pesticide	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2			
2017/18-PRE	Lab	LCS	9/3/2017	Pesticide	Terbacil	n/a	=	6.06	µg/L	EPA 525.2	0.55	2			
2017/18-PRE	Lab	LCS, rec	9/3/2017	Pesticide	Terbacil	n/a	=	121	%	EPA 525.2	-88	-88	70	135	
2017/18-PRE	Lab	LCS dup	9/3/2017	Pesticide	Terbacil	n/a	=	5.77	µg/L	EPA 525.2	0.55	2			
2017/18-PRE	Lab	LCS dup, rec	9/3/2017	Pesticide	Terbacil	n/a	=	115	%	EPA 525.2	-88	-88	70	135	
2017/18-PRE	Lab	LCS, RPD	9/3/2017	Pesticide	Terbacil	n/a	=	5	%	EPA 525.2	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	9/3/2017	Pesticide	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2			
2017/18-PRE	Carboy Blank	equip blank	9/4/2017	Pesticide	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.1			
2017/18-PRE	Lab	method blank	9/3/2017	Pesticide	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.1			
2017/18-PRE	Lab	LCS	9/3/2017	Pesticide	Thiobencarb	n/a	=	4.91	µg/L	EPA 525.2	0.025	0.1			
2017/18-PRE	Lab	LCS, rec	9/3/2017	Pesticide	Thiobencarb	n/a	=	98	%	EPA 525.2	-88	-88	56	125	
2017/18-PRE	Lab	LCS dup	9/3/2017	Pesticide	Thiobencarb	n/a	=	4.79	µg/L	EPA 525.2	0.025	0.1			
2017/18-PRE	Lab	LCS dup, rec	9/3/2017	Pesticide	Thiobencarb	n/a	=	96	%	EPA 525.2	-88	-88	56	125	
2017/18-PRE	Lab	LCS, RPD	9/3/2017	Pesticide	Thiobencarb	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	9/3/2017	Pesticide	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.1			
2017/18-PRE	Carboy Blank	equip blank	9/4/2017	Pesticide	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2017/18-PRE	Lab	method blank	9/3/2017	Pesticide	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2017/18-PRE	Lab	LCS	9/3/2017	Pesticide	Trithion	n/a	=	5.52	µg/L	EPA 525.2	0.012	0.1			
2017/18-PRE	Lab	LCS, rec	9/3/2017	Pesticide	Trithion	n/a	=	110	%	EPA 525.2	-88	-88	60	124	
2017/18-PRE	Lab	LCS dup	9/3/2017	Pesticide	Trithion	n/a	=	5.34	µg/L	EPA 525.2	0.012	0.1			
2017/18-PRE	Lab	LCS dup, rec	9/3/2017	Pesticide	Trithion	n/a	=	107	%	EPA 525.2	-88	-88	60	124	
2017/18-PRE	Lab	LCS, RPD	9/3/2017	Pesticide	Trithion	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2017/18-PRE	Tubing Blank	equip blank	9/3/2017	Pesticide	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2018-DRY	Lab	method blank	8/24/2018	Cation	Calcium	Total	<	0.016	mg/L	EPA 200.7	0.016	0.1			
2018-DRY	Lab	LCS	8/24/2018	Cation	Calcium	Total	=	51	mg/L	EPA 200.7	0.016	0.1			
2018-DRY	Lab	LCS, rec	8/24/2018	Cation	Calcium	Total	=	102	%	EPA 200.7	-88	-88	85	115	
2018-DRY	MO-CAM	matrix spike	8/24/2018	Cation	Calcium	Total	=	269	mg/L	EPA 200.7	0.016	0.1			
2018-DRY	MO-CAM	matrix spike, rec	8/24/2018	Cation	Calcium	Total	=	87	%	EPA 200.7	-88	-88	70	130	
2018-DRY	MO-CAM	matrix spike dup	8/24/2018	Cation	Calcium	Total	=	268	mg/L	EPA 200.7	0.016	0.1			
2018-DRY	MO-CAM	matrix spike dup, rec	8/24/2018	Cation	Calcium	Total	=	86	%	EPA 200.7	-88	-88	70	130	
2018-DRY	MO-CAM	matrix spike, RPD	8/24/2018	Cation	Calcium	Total	=	0.2	%	EPA 200.7	-88	-88	0	30	
2018-DRY	MO-FIL	matrix spike	8/24/2018	Cation	Calcium	Total	=	213	mg/L	EPA 200.7	0.016	0.1			
2018-DRY	MO-FIL	matrix spike, rec	8/24/2018	Cation	Calcium	Total	=	101	%	EPA 200.7	-88	-88	70	130	
2018-DRY	MO-FIL	matrix spike dup	8/24/2018	Cation	Calcium	Total	=	217	mg/L	EPA 200.7	0.016	0.1			
2018-DRY	MO-FIL	matrix spike dup, rec	8/24/2018	Cation	Calcium	Total	=	108	%	EPA 200.7	-88	-88	70	130	
2018-DRY	MO-FIL	matrix spike, RPD	8/24/2018	Cation	Calcium	Total	=	2	%	EPA 200.7	-88	-88	0	30	
2018-DRY	Lab	method blank	8/24/2018	Cation	Magnesium	Total	<	0.012	mg/L	EPA 200.7	0.012	0.1			
2018-DRY	Lab	LCS	8/24/2018	Cation	Magnesium	Total	=	48.8	mg/L	EPA 200.7	0.012	0.1			
2018-DRY	Lab	LCS, rec	8/24/2018	Cation	Magnesium	Total	=	98	%	EPA 200.7	-88	-88	85	115	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2018-DRY	MO-CAM	matrix spike	8/24/2018	Cation	Magnesium	Total	=	118	mg/L	EPA 200.7	0.012	0.1			
2018-DRY	MO-CAM	matrix spike, rec	8/24/2018	Cation	Magnesium	Total	=	96	%	EPA 200.7	-88	-88	70	130	
2018-DRY	MO-CAM	matrix spike dup	8/24/2018	Cation	Magnesium	Total	=	118	mg/L	EPA 200.7	0.012	0.1			
2018-DRY	MO-CAM	matrix spike dup, rec	8/24/2018	Cation	Magnesium	Total	=	96	%	EPA 200.7	-88	-88	70	130	
2018-DRY	MO-CAM	matrix spike, RPD	8/24/2018	Cation	Magnesium	Total	=	0.1	%	EPA 200.7	-88	-88	0	30	
2018-DRY	MO-FIL	matrix spike	8/24/2018	Cation	Magnesium	Total	=	102	mg/L	EPA 200.7	0.012	0.1			
2018-DRY	MO-FIL	matrix spike, rec	8/24/2018	Cation	Magnesium	Total	=	100	%	EPA 200.7	-88	-88	70	130	
2018-DRY	MO-FIL	matrix spike dup	8/24/2018	Cation	Magnesium	Total	=	104	mg/L	EPA 200.7	0.012	0.1			
2018-DRY	MO-FIL	matrix spike dup, rec	8/24/2018	Cation	Magnesium	Total	=	103	%	EPA 200.7	-88	-88	70	130	
2018-DRY	MO-FIL	matrix spike, RPD	8/24/2018	Cation	Magnesium	Total	=	2	%	EPA 200.7	-88	-88	0	30	
2018-DRY	Lab	LCS	8/28/2018	Conventional	Total Organic Carbon	n/a	=	1	mg/L	SM 5310 B	0.016	0.1			
2018-DRY	Lab	LCS, rec	8/28/2018	Conventional	Total Organic Carbon	n/a	=	100	%	SM 5310 B	-88	-88	85	115	
2018-DRY	Lab	method blank	8/28/2018	Conventional	Total Organic Carbon	n/a	<	0.016	mg/L	SM 5310 B	0.016	0.1			
2018-DRY	MO-FIL	matrix spike	8/28/2018	Conventional	Total Organic Carbon	n/a	=	9.72	mg/L	SM 5310 B	0.016	0.1			
2018-DRY	MO-FIL	matrix spike dup	8/28/2018	Conventional	Total Organic Carbon	n/a	=	9.69	mg/L	SM 5310 B	0.016	0.1			
2018-DRY	MO-FIL	matrix spike dup, rec	8/28/2018	Conventional	Total Organic Carbon	n/a	=	99	%	SM 5310 B	-88	-88	76	115	
2018-DRY	MO-FIL	matrix spike, rec	8/28/2018	Conventional	Total Organic Carbon	n/a	=	100	%	SM 5310 B	-88	-88	76	115	
2018-DRY	MO-FIL	matrix spike, RPD	8/28/2018	Conventional	Total Organic Carbon	n/a	=	0.3	%	SM 5310 B	-88	-88	0	20	
2018-DRY	DRY-OJA6	matrix spike	8/28/2018	Metal	Copper	Dissolved	=	45.4	µg/L	EPA 200.8	0.13	0.5			
2018-DRY	DRY-OJA6	matrix spike, rec	8/28/2018	Metal	Copper	Dissolved	=	90	%	EPA 200.8	-88	-88	70	130	
2018-DRY	DRY-OJA6	matrix spike dup	8/28/2018	Metal	Copper	Dissolved	=	46.1	µg/L	EPA 200.8	0.13	0.5			
2018-DRY	DRY-OJA6	matrix spike dup, rec	8/28/2018	Metal	Copper	Dissolved	=	92	%	EPA 200.8	-88	-88	70	130	
2018-DRY	DRY-OJA6	matrix spike, RPD	8/28/2018	Metal	Copper	Dissolved	=	2	%	EPA 200.8	-88	-88	0	30	
2018-DRY	Lab	method blank	8/28/2018	Metal	Copper	Dissolved	<	0.13	µg/L	EPA 200.8	0.13	0.5			
2018-DRY	Lab	LCS	8/28/2018	Metal	Copper	Dissolved	=	50.7	µg/L	EPA 200.8	0.13	0.5			
2018-DRY	Lab	LCS, rec	8/28/2018	Metal	Copper	Dissolved	=	101	%	EPA 200.8	-88	-88	85	115	
2018-DRY	MO-MPK	matrix spike	8/28/2018	Metal	Copper	Dissolved	=	50.9	µg/L	EPA 200.8	0.13	0.5			
2018-DRY	MO-MPK	matrix spike, rec	8/28/2018	Metal	Copper	Dissolved	=	94	%	EPA 200.8	-88	-88	70	130	
2018-DRY	MO-MPK	matrix spike dup	8/28/2018	Metal	Copper	Dissolved	=	52	µg/L	EPA 200.8	0.13	0.5			
2018-DRY	MO-MPK	matrix spike dup, rec	8/28/2018	Metal	Copper	Dissolved	=	96	%	EPA 200.8	-88	-88	70	130	
2018-DRY	MO-MPK	matrix spike, RPD	8/28/2018	Metal	Copper	Dissolved	=	2	%	EPA 200.8	-88	-88	0	30	
2018-DRY	DRY-OJA6	matrix spike	8/28/2018	Metal	Lead	Dissolved	=	48.7	µg/L	EPA 200.8	0.031	0.2			
2018-DRY	DRY-OJA6	matrix spike, rec	8/28/2018	Metal	Lead	Dissolved	=	97	%	EPA 200.8	-88	-88	70	130	
2018-DRY	DRY-OJA6	matrix spike dup	8/28/2018	Metal	Lead	Dissolved	=	48.8	µg/L	EPA 200.8	0.031	0.2			
2018-DRY	DRY-OJA6	matrix spike dup, rec	8/28/2018	Metal	Lead	Dissolved	=	98	%	EPA 200.8	-88	-88	70	130	
2018-DRY	DRY-OJA6	matrix spike, RPD	8/28/2018	Metal	Lead	Dissolved	=	0.2	%	EPA 200.8	-88	-88	0	30	
2018-DRY	Lab	method blank	8/28/2018	Metal	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2			
2018-DRY	Lab	LCS	8/28/2018	Metal	Lead	Dissolved	=	49.6	µg/L	EPA 200.8	0.031	0.2			
2018-DRY	Lab	LCS, rec	8/28/2018	Metal	Lead	Dissolved	=	99	%	EPA 200.8	-88	-88	85	115	
2018-DRY	MO-MPK	matrix spike	8/28/2018	Metal	Lead	Dissolved	=	49	µg/L	EPA 200.8	0.031	0.2			
2018-DRY	MO-MPK	matrix spike, rec	8/28/2018	Metal	Lead	Dissolved	=	98	%	EPA 200.8	-88	-88	70	130	
2018-DRY	MO-MPK	matrix spike dup	8/28/2018	Metal	Lead	Dissolved	=	48.7	µg/L	EPA 200.8	0.031	0.2			
2018-DRY	MO-MPK	matrix spike dup, rec	8/28/2018	Metal	Lead	Dissolved	=	97	%	EPA 200.8	-88	-88	70	130	
2018-DRY	MO-MPK	matrix spike, RPD	8/28/2018	Metal	Lead	Dissolved	=	0.6	%	EPA 200.8	-88	-88	0	30	
2018-DRY	DRY-OJA6	matrix spike	8/28/2018	Metal	Zinc	Dissolved	=	49	µg/L	EPA 200.8	0.94	5			
2018-DRY	DRY-OJA6	matrix spike, rec	8/28/2018	Metal	Zinc	Dissolved	=	96	%	EPA 200.8	-88	-88	70	130	
2018-DRY	DRY-OJA6	matrix spike dup	8/28/2018	Metal	Zinc	Dissolved	=	47.4	µg/L	EPA 200.8	0.94	5			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2018-DRY	DRY-OJA6	matrix spike dup, rec	8/28/2018	Metal	Zinc	Dissolved	=	93	%	EPA 200.8	-88	-88	70	130	
2018-DRY	DRY-OJA6	matrix spike, RPD	8/28/2018	Metal	Zinc	Dissolved	=	3	%	EPA 200.8	-88	-88	0	30	
2018-DRY	Lab	method blank	8/28/2018	Metal	Zinc	Dissolved	<	0.94	µg/L	EPA 200.8	0.94	5			
2018-DRY	Lab	LCS	8/28/2018	Metal	Zinc	Dissolved	=	52	µg/L	EPA 200.8	0.94	5			
2018-DRY	Lab	LCS, rec	8/28/2018	Metal	Zinc	Dissolved	=	104	%	EPA 200.8	-88	-88	85	115	
2018-DRY	MO-MPK	matrix spike	8/28/2018	Metal	Zinc	Dissolved	=	51.5	µg/L	EPA 200.8	0.94	5			
2018-DRY	MO-MPK	matrix spike, rec	8/28/2018	Metal	Zinc	Dissolved	=	96	%	EPA 200.8	-88	-88	70	130	
2018-DRY	MO-MPK	matrix spike dup	8/28/2018	Metal	Zinc	Dissolved	=	51.9	µg/L	EPA 200.8	0.94	5			
2018-DRY	MO-MPK	matrix spike dup, rec	8/28/2018	Metal	Zinc	Dissolved	=	96	%	EPA 200.8	-88	-88	70	130	
2018-DRY	MO-MPK	matrix spike, RPD	8/28/2018	Metal	Zinc	Dissolved	=	0.7	%	EPA 200.8	-88	-88	0	30	

Appendix G. Laboratory Environmental Analysis Results

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
DRY-HUE3	2018-DRY	Dry	8/20/2018 2:30:00 PM	8/21/2018 9:30:00 AM	E. Coli	n/a	=	30760	MPN/100 mL	MMO-MUG	100	100	VCHCA	
DRY-HUE3	2018-DRY	Dry	8/20/2018 2:30:00 PM	8/21/2018 9:30:00 AM	Total Coliform	n/a	=	155310	MPN/100 mL	MMO-MUG	100	100	VCHCA	
DRY-HUE3	2018-DRY	Dry	8/20/2018 2:30:00 PM	8/24/2018 4:14:00 PM	Calcium	Total	=	360	mg/L	EPA 200.7	0.08	0.5	WKL	
DRY-HUE3	2018-DRY	Dry	8/20/2018 2:30:00 PM	8/24/2018 4:14:00 PM	Magnesium	Total	=	252	mg/L	EPA 200.7	0.06	0.5	WKL	
DRY-HUE3	2018-DRY	Dry	8/20/2018 2:30:00 PM	8/20/2018 2:30:00 PM	Conductivity	n/a	=	11040	µmhos/cm	Field Meter	-88	1	Field Crew	
DRY-HUE3	2018-DRY	Dry	8/20/2018 2:30:00 PM	8/20/2018 2:30:00 PM	Discharge	n/a	<	0.01	cfs	Field Estimate	-88	-88	Field Crew	EST
DRY-HUE3	2018-DRY	Dry	8/20/2018 2:30:00 PM	8/20/2018 2:30:00 PM	DO	n/a	=	2.3	%	Field Meter	-88	0.1	Field Crew	
DRY-HUE3	2018-DRY	Dry	8/20/2018 2:30:00 PM	8/20/2018 2:30:00 PM	DO	n/a	DNQ	0.15	mg/L	Field Meter	-88	0.3	Field Crew	
DRY-HUE3	2018-DRY	Dry	8/20/2018 2:30:00 PM	8/24/2018 4:14:00 PM	Hardness as CaCO3	Total	=	1940	mg/L	EPA 200.7	0.447	3.31	WKL	
DRY-HUE3	2018-DRY	Dry	8/20/2018 2:30:00 PM	8/20/2018 2:30:00 PM	pH	n/a	=	7.39	pH Units	Field Meter	-88	0.01	Field Crew	
DRY-HUE3	2018-DRY	Dry	8/20/2018 2:30:00 PM	8/20/2018 2:30:00 PM	Salinity	n/a	=	5600	mg/L	Field Meter	-88	100	Field Crew	
DRY-HUE3	2018-DRY	Dry	8/20/2018 2:30:00 PM	8/20/2018 2:30:00 PM	Specific Conductance	n/a	=	10180	µmhos/cm	Field Meter	-88	1	Field Crew	
DRY-HUE3	2018-DRY	Dry	8/20/2018 2:30:00 PM	8/20/2018 2:30:00 PM	Temperature	n/a	=	28.3	°C	Field Meter	-88	0.1	Field Crew	
DRY-HUE3	2018-DRY	Dry	8/20/2018 2:30:00 PM	8/28/2018 12:44:00 PM	Total Organic Carbon	n/a	=	7.5	mg/L	SM 5310 B	0.016	0.1	WKL	
DRY-HUE3	2018-DRY	Dry	8/20/2018 2:30:00 PM	8/20/2018 2:30:00 PM	Turbidity	n/a	=	40.23	NTU	Field Meter	-88	0.01	Field Crew	
DRY-HUE3	2018-DRY	Dry	8/20/2018 2:30:00 PM	8/28/2018 5:24:00 PM	Copper	Dissolved	<	0.13	µg/L	EPA 200.8	0.13	0.5	WKL	
DRY-HUE3	2018-DRY	Dry	8/20/2018 2:30:00 PM	8/28/2018 5:24:00 PM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
DRY-HUE3	2018-DRY	Dry	8/20/2018 2:30:00 PM	8/28/2018 5:24:00 PM	Zinc	Dissolved	DNQ	1.3	µg/L	EPA 200.8	0.94	5	WKL	
DRY-OJA6	2018-DRY	Dry	8/20/2018 12:25:00 PM	8/21/2018 8:30:00 AM	E. Coli	n/a	=	630	MPN/100 mL	MMO-MUG	10	10	VCHCA	
DRY-OJA6	2018-DRY	Dry	8/20/2018 12:25:00 PM	8/21/2018 8:30:00 AM	Total Coliform	n/a	=	4352	MPN/100 mL	MMO-MUG	10	10	VCHCA	
DRY-OJA6	2018-DRY	Dry	8/20/2018 12:25:00 PM	8/24/2018 3:43:00 PM	Calcium	Total	=	210	mg/L	EPA 200.7	0.016	0.1	WKL	
DRY-OJA6	2018-DRY	Dry	8/20/2018 12:25:00 PM	8/24/2018 3:43:00 PM	Magnesium	Total	=	45	mg/L	EPA 200.7	0.012	0.1	WKL	
DRY-OJA6	2018-DRY	Dry	8/20/2018 12:25:00 PM	8/20/2018 12:25:00 PM	Conductivity	n/a	=	1313	µmhos/cm	Field Meter	-88	1	Field Crew	
DRY-OJA6	2018-DRY	Dry	8/20/2018 12:25:00 PM	8/20/2018 12:25:00 PM	Discharge	n/a	=	0.1	cfs	Field Estimate	-88	-88	Field Crew	EST
DRY-OJA6	2018-DRY	Dry	8/20/2018 12:25:00 PM	8/20/2018 12:25:00 PM	DO	n/a	=	7.66	mg/L	Field Meter	-88	0.3	Field Crew	
DRY-OJA6	2018-DRY	Dry	8/20/2018 12:25:00 PM	8/20/2018 12:25:00 PM	DO	n/a	=	88.5	%	Field Meter	-88	0.1	Field Crew	
DRY-OJA6	2018-DRY	Dry	8/20/2018 12:25:00 PM	8/24/2018 3:43:00 PM	Hardness as CaCO3	Total	=	709	mg/L	EPA 200.7	0.0894	0.662	WKL	
DRY-OJA6	2018-DRY	Dry	8/20/2018 12:25:00 PM	8/20/2018 12:25:00 PM	pH	n/a	=	8.05	pH Units	Field Meter	-88	0.01	Field Crew	
DRY-OJA6	2018-DRY	Dry	8/20/2018 12:25:00 PM	8/20/2018 12:25:00 PM	Salinity	n/a	=	700	mg/L	Field Meter	-88	100	Field Crew	
DRY-OJA6	2018-DRY	Dry	8/20/2018 12:25:00 PM	8/20/2018 12:25:00 PM	Specific Conductance	n/a	=	1387	µmhos/cm	Field Meter	-88	1	Field Crew	
DRY-OJA6	2018-DRY	Dry	8/20/2018 12:25:00 PM	8/20/2018 12:25:00 PM	Temperature	n/a	=	22.3	°C	Field Meter	-88	0.1	Field Crew	
DRY-OJA6	2018-DRY	Dry	8/20/2018 12:25:00 PM	8/28/2018 12:44:00 PM	Total Organic Carbon	n/a	=	2	mg/L	SM 5310 B	0.016	0.1	WKL	
DRY-OJA6	2018-DRY	Dry	8/20/2018 12:25:00 PM	8/20/2018 12:25:00 PM	Turbidity	n/a	=	12.83	NTU	Field Meter	-88	0.01	Field Crew	
DRY-OJA6	2018-DRY	Dry	8/20/2018 12:25:00 PM	8/28/2018 5:03:00 PM	Copper	Dissolved	DNQ	0.2	µg/L	EPA 200.8	0.13	0.5	WKL	
DRY-OJA6	2018-DRY	Dry	8/20/2018 12:25:00 PM	8/28/2018 5:03:00 PM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
DRY-OJA6	2018-DRY	Dry	8/20/2018 12:25:00 PM	8/28/2018 5:03:00 PM	Zinc	Dissolved	DNQ	1	µg/L	EPA 200.8	0.94	5	WKL	
DRY-OXN2	2018-DRY	Dry	8/20/2018 8:40:00 AM	8/21/2018 8:30:00 AM	E. Coli	n/a	=	426	MPN/100 mL	MMO-MUG	10	10	VCHCA	
DRY-OXN2	2018-DRY	Dry	8/20/2018 8:40:00 AM	8/21/2018 8:30:00 AM	Total Coliform	n/a	=	86640	MPN/100 mL	MMO-MUG	100	100	VCHCA	
DRY-OXN2	2018-DRY	Dry	8/20/2018 8:40:00 AM	8/24/2018 3:45:00 PM	Calcium	Total	=	150	mg/L	EPA 200.7	0.016	0.1	WKL	
DRY-OXN2	2018-DRY	Dry	8/20/2018 8:40:00 AM	8/24/2018 3:45:00 PM	Magnesium	Total	=	47.9	mg/L	EPA 200.7	0.012	0.1	WKL	
DRY-OXN2	2018-DRY	Dry	8/20/2018 8:40:00 AM	8/20/2018 8:40:00 AM	Conductivity	n/a	=	1402	µmhos/cm	Field Meter	-88	1	Field Crew	
DRY-OXN2	2018-DRY	Dry	8/20/2018 8:40:00 AM	8/20/2018 8:40:00 AM	Discharge	n/a	=	0.6	cfs	Field Estimate	-88	-88	Field Crew	EST
DRY-OXN2	2018-DRY	Dry	8/20/2018 8:40:00 AM	8/20/2018 8:40:00 AM	DO	n/a	=	8.42	mg/L	Field Meter	-88	0.3	Field Crew	
DRY-OXN2	2018-DRY	Dry	8/20/2018 8:40:00 AM	8/20/2018 8:40:00 AM	DO	n/a	=	95.9	%	Field Meter	-88	0.1	Field Crew	
DRY-OXN2	2018-DRY	Dry	8/20/2018 8:40:00 AM	8/24/2018 3:45:00 PM	Hardness as CaCO3	Total	=	573	mg/L	EPA 200.7	0.0894	0.662	WKL	
DRY-OXN2	2018-DRY	Dry	8/20/2018 8:40:00 AM	8/20/2018 8:40:00 AM	pH	n/a	=	8.51	pH Units	Field Meter	-88	0.01	Field Crew	
DRY-OXN2	2018-DRY	Dry	8/20/2018 8:40:00 AM	8/20/2018 8:40:00 AM	Salinity	n/a	=	700	mg/L	Field Meter	-88	100	Field Crew	
DRY-OXN2	2018-DRY	Dry	8/20/2018 8:40:00 AM	8/20/2018 8:40:00 AM	Specific Conductance	n/a	=	1475	µmhos/cm	Field Meter	-88	1	Field Crew	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
DRY-OXN2	2018-DRY	Dry	8/20/2018 8:40:00 AM	8/20/2018 8:40:00 AM	Temperature	n/a	=	22.3	°C	Field Meter	-88	0.1	Field Crew	
DRY-OXN2	2018-DRY	Dry	8/20/2018 8:40:00 AM	8/28/2018 12:44:00 PM	Total Organic Carbon	n/a	=	10	mg/L	SM 5310 B	0.016	0.1	WKL	
DRY-OXN2	2018-DRY	Dry	8/20/2018 8:40:00 AM	8/20/2018 8:40:00 AM	Turbidity	n/a	=	2.04	NTU	Field Meter	-88	0.01	Field Crew	
DRY-OXN2	2018-DRY	Dry	8/20/2018 8:40:00 AM	8/28/2018 5:20:00 PM	Copper	Dissolved	=	4	µg/L	EPA 200.8	0.13	0.5	WKL	
DRY-OXN2	2018-DRY	Dry	8/20/2018 8:40:00 AM	8/28/2018 5:20:00 PM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
DRY-OXN2	2018-DRY	Dry	8/20/2018 8:40:00 AM	8/28/2018 5:20:00 PM	Zinc	Dissolved	=	5.3	µg/L	EPA 200.8	0.94	5	WKL	
DRY-SPA4	2018-DRY	Dry	8/20/2018 10:40:00 AM	8/21/2018 8:30:00 AM	E. Coli	n/a	<	10	MPN/100 mL	MMO-MUG	10	10	VCHCA	
DRY-SPA4	2018-DRY	Dry	8/20/2018 10:40:00 AM	8/21/2018 8:30:00 AM	Total Coliform	n/a	=	323	MPN/100 mL	MMO-MUG	10	10	VCHCA	
DRY-SPA4	2018-DRY	Dry	8/20/2018 10:40:00 AM	8/24/2018 3:51:00 PM	Calcium	Total	=	157	mg/L	EPA 200.7	0.016	0.1	WKL	
DRY-SPA4	2018-DRY	Dry	8/20/2018 10:40:00 AM	8/24/2018 3:51:00 PM	Magnesium	Total	=	43.6	mg/L	EPA 200.7	0.012	0.1	WKL	
DRY-SPA4	2018-DRY	Dry	8/20/2018 10:40:00 AM	8/20/2018 10:40:00 AM	Conductivity	n/a	=	1289	µmhos/cm	Field Meter	-88	1	Field Crew	EST
DRY-SPA4	2018-DRY	Dry	8/20/2018 10:40:00 AM	8/20/2018 10:40:00 AM	Discharge	n/a	=	0.3	cfs	Field Estimate	-88	-88	Field Crew	
DRY-SPA4	2018-DRY	Dry	8/20/2018 10:40:00 AM	8/20/2018 10:40:00 AM	DO	n/a	=	8.66	mg/L	Field Meter	-88	0.3	Field Crew	
DRY-SPA4	2018-DRY	Dry	8/20/2018 10:40:00 AM	8/20/2018 10:40:00 AM	DO	n/a	=	98.2	%	Field Meter	-88	0.1	Field Crew	
DRY-SPA4	2018-DRY	Dry	8/20/2018 10:40:00 AM	8/24/2018 3:51:00 PM	Hardness as CaCO3	Total	=	571	mg/L	EPA 200.7	0.0894	0.662	WKL	
DRY-SPA4	2018-DRY	Dry	8/20/2018 10:40:00 AM	8/20/2018 10:40:00 AM	pH	n/a	=	7.74	pH Units	Field Meter	-88	0.01	Field Crew	
DRY-SPA4	2018-DRY	Dry	8/20/2018 10:40:00 AM	8/20/2018 10:40:00 AM	Salinity	n/a	=	700	mg/L	Field Meter	-88	100	Field Crew	
DRY-SPA4	2018-DRY	Dry	8/20/2018 10:40:00 AM	8/20/2018 10:40:00 AM	Specific Conductance	n/a	=	1390	µmhos/cm	Field Meter	-88	1	Field Crew	
DRY-SPA4	2018-DRY	Dry	8/20/2018 10:40:00 AM	8/20/2018 10:40:00 AM	Temperature	n/a	=	21.2	°C	Field Meter	-88	0.1	Field Crew	
DRY-SPA4	2018-DRY	Dry	8/20/2018 10:40:00 AM	8/28/2018 12:44:00 PM	Total Organic Carbon	n/a	=	0.64	mg/L	SM 5310 B	0.016	0.1	WKL	
DRY-SPA4	2018-DRY	Dry	8/20/2018 10:40:00 AM	8/20/2018 10:40:00 AM	Turbidity	n/a	=	0.23	NTU	Field Meter	-88	0.01	Field Crew	
DRY-SPA4	2018-DRY	Dry	8/20/2018 10:40:00 AM	8/28/2018 5:28:00 PM	Copper	Dissolved	DNQ	0.2	µg/L	EPA 200.8	0.13	0.5	WKL	
DRY-SPA4	2018-DRY	Dry	8/20/2018 10:40:00 AM	8/28/2018 5:28:00 PM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
DRY-SPA4	2018-DRY	Dry	8/20/2018 10:40:00 AM	8/28/2018 5:28:00 PM	Zinc	Dissolved	DNQ	1.1	µg/L	EPA 200.8	0.94	5	WKL	
DRY-UNI4	2018-DRY	Dry	8/21/2018 10:10:00 AM	8/22/2018 6:30:00 AM	E. Coli	n/a	=	4352	MPN/100 mL	MMO-MUG	10	10	VCHCA	
DRY-UNI4	2018-DRY	Dry	8/21/2018 10:10:00 AM	8/22/2018 6:30:00 AM	Total Coliform	n/a	>	2419600	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
DRY-UNI4	2018-DRY	Dry	8/21/2018 10:10:00 AM	8/24/2018 4:00:00 PM	Calcium	Total	=	81.4	mg/L	EPA 200.7	0.016	0.1	WKL	
DRY-UNI4	2018-DRY	Dry	8/21/2018 10:10:00 AM	8/24/2018 4:00:00 PM	Magnesium	Total	=	72.5	mg/L	EPA 200.7	0.012	0.1	WKL	
DRY-UNI4	2018-DRY	Dry	8/21/2018 10:10:00 AM	8/21/2018 10:10:00 AM	Conductivity	n/a	=	1479	µmhos/cm	Field Meter	-88	1	Field Crew	
DRY-UNI4	2018-DRY	Dry	8/21/2018 10:10:00 AM	8/21/2018 10:10:00 AM	Discharge	n/a	=	0.02	cfs	Field Estimate	-88	-88	Field Crew	EST
DRY-UNI4	2018-DRY	Dry	8/21/2018 10:10:00 AM	8/21/2018 10:10:00 AM	DO	n/a	=	166.3	%	Field Meter	-88	0.1	Field Crew	
DRY-UNI4	2018-DRY	Dry	8/21/2018 10:10:00 AM	8/21/2018 10:10:00 AM	DO	n/a	=	13.39	mg/L	Field Meter	-88	0.3	Field Crew	
DRY-UNI4	2018-DRY	Dry	8/21/2018 10:10:00 AM	8/24/2018 4:00:00 PM	Hardness as CaCO3	Total	=	502	mg/L	EPA 200.7	0.0894	0.662	WKL	
DRY-UNI4	2018-DRY	Dry	8/21/2018 10:10:00 AM	8/21/2018 10:10:00 AM	pH	n/a	=	9.53	pH Units	Field Meter	-88	0.01	Field Crew	
DRY-UNI4	2018-DRY	Dry	8/21/2018 10:10:00 AM	8/21/2018 10:10:00 AM	Salinity	n/a	=	700	mg/L	Field Meter	-88	100	Field Crew	
DRY-UNI4	2018-DRY	Dry	8/21/2018 10:10:00 AM	8/21/2018 10:10:00 AM	Specific Conductance	n/a	=	1478	µmhos/cm	Field Meter	-88	1	Field Crew	
DRY-UNI4	2018-DRY	Dry	8/21/2018 10:10:00 AM	8/21/2018 10:10:00 AM	Temperature	n/a	=	25.7	°C	Field Meter	-88	0.1	Field Crew	
DRY-UNI4	2018-DRY	Dry	8/21/2018 10:10:00 AM	8/28/2018 12:44:00 PM	Total Organic Carbon	n/a	=	16	mg/L	SM 5310 B	0.016	0.1	WKL	
DRY-UNI4	2018-DRY	Dry	8/21/2018 10:10:00 AM	8/21/2018 10:10:00 AM	Turbidity	n/a	=	4.84	NTU	Field Meter	-88	0.01	Field Crew	
DRY-UNI4	2018-DRY	Dry	8/21/2018 10:10:00 AM	8/28/2018 5:41:00 PM	Copper	Dissolved	=	6.6	µg/L	EPA 200.8	0.13	0.5	WKL	
DRY-UNI4	2018-DRY	Dry	8/21/2018 10:10:00 AM	8/28/2018 5:41:00 PM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
DRY-UNI4	2018-DRY	Dry	8/21/2018 10:10:00 AM	8/28/2018 5:41:00 PM	Zinc	Dissolved	DNQ	2.9	µg/L	EPA 200.8	0.94	5	WKL	
DRY-VEN5	2018-DRY	Dry	8/20/2018 1:20:00 PM	8/21/2018 8:30:00 AM	E. Coli	n/a	=	1012	MPN/100 mL	MMO-MUG	10	10	VCHCA	
DRY-VEN5	2018-DRY	Dry	8/20/2018 1:20:00 PM	8/21/2018 8:30:00 AM	Total Coliform	n/a	=	72700	MPN/100 mL	MMO-MUG	100	100	VCHCA	
DRY-VEN5	2018-DRY	Dry	8/20/2018 1:20:00 PM	8/24/2018 4:11:00 PM	Calcium	Total	=	158	mg/L	EPA 200.7	0.016	0.1	WKL	
DRY-VEN5	2018-DRY	Dry	8/20/2018 1:20:00 PM	8/24/2018 4:11:00 PM	Magnesium	Total	=	44.4	mg/L	EPA 200.7	0.012	0.1	WKL	
DRY-VEN5	2018-DRY	Dry	8/20/2018 1:20:00 PM	8/20/2018 1:20:00 PM	Conductivity	n/a	=	1642	µmhos/cm	Field Meter	-88	1	Field Crew	
DRY-VEN5	2018-DRY	Dry	8/20/2018 1:20:00 PM	8/20/2018 1:20:00 PM	Discharge	n/a	=	0.1	cfs	Field Estimate	-88	-88	Field Crew	EST

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
DRY-VEN5	2018-DRY	Dry	8/20/2018 1:20:00 PM	8/20/2018 1:20:00 PM	DO	n/a	=	83.3	%	Field Meter	-88	0.1	Field Crew	
DRY-VEN5	2018-DRY	Dry	8/20/2018 1:20:00 PM	8/20/2018 1:20:00 PM	DO	n/a	=	6.76	mg/L	Field Meter	-88	0.3	Field Crew	
DRY-VEN5	2018-DRY	Dry	8/20/2018 1:20:00 PM	8/24/2018 4:11:00 PM	Hardness as CaCO3	Total	=	577	mg/L	EPA 200.7	0.0894	0.662	WKL	
DRY-VEN5	2018-DRY	Dry	8/20/2018 1:20:00 PM	8/20/2018 1:20:00 PM	pH	n/a	=	7.28	pH Units	Field Meter	-88	0.01	Field Crew	
DRY-VEN5	2018-DRY	Dry	8/20/2018 1:20:00 PM	8/20/2018 1:20:00 PM	Salinity	n/a	=	800	mg/L	Field Meter	-88	100	Field Crew	
DRY-VEN5	2018-DRY	Dry	8/20/2018 1:20:00 PM	8/20/2018 1:20:00 PM	Specific Conductance	n/a	=	1614	µmhos/cm	Field Meter	-88	1	Field Crew	
DRY-VEN5	2018-DRY	Dry	8/20/2018 1:20:00 PM	8/20/2018 1:20:00 PM	Temperature	n/a	=	26	°C	Field Meter	-88	0.1	Field Crew	
DRY-VEN5	2018-DRY	Dry	8/20/2018 1:20:00 PM	8/28/2018 12:44:00 PM	Total Organic Carbon	n/a	=	11	mg/L	SM 5310 B	0.016	0.1	WKL	
DRY-VEN5	2018-DRY	Dry	8/20/2018 1:20:00 PM	8/20/2018 1:20:00 PM	Turbidity	n/a	=	8.75	NTU	Field Meter	-88	0.01	Field Crew	
DRY-VEN5	2018-DRY	Dry	8/20/2018 1:20:00 PM	8/28/2018 6:10:00 PM	Copper	Dissolved	DNQ	0.46	µg/L	EPA 200.8	0.13	0.5	WKL	
DRY-VEN5	2018-DRY	Dry	8/20/2018 1:20:00 PM	8/28/2018 6:10:00 PM	Lead	Dissolved	DNQ	0.032	µg/L	EPA 200.8	0.031	0.2	WKL	
DRY-VEN5	2018-DRY	Dry	8/20/2018 1:20:00 PM	8/28/2018 6:10:00 PM	Zinc	Dissolved	DNQ	4.3	µg/L	EPA 200.8	0.94	5	WKL	
ME-CC	2017/18-1	Wet	1/9/2018 9:40:00 AM	1/10/2018 8:30:00 AM	E. Coli	n/a	=	161600	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
ME-CC	2017/18-1	Wet	1/9/2018 9:40:00 AM	1/11/2018 2:45:00 PM	Fecal Coliform	n/a	=	1600000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
ME-CC	2017/18-1	Wet	1/9/2018 9:40:00 AM	1/10/2018 9:40:00 AM	Total Coliform	n/a	>	2419600	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
ME-CC	2017/18-1	Wet	1/9/2018 9:40:00 AM	1/9/2018 9:40:00 AM	Conductivity	n/a	=	858	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-CC	2017/18-1	Wet	1/9/2018 9:40:00 AM	1/16/2018 6:51:00 PM	Cyanide	Total	=	0.0039	mg/L	ASTM D7511	0.0005	0.002	WKL	
ME-CC	2017/18-1	Wet	1/9/2018 9:40:00 AM	1/9/2018 9:40:00 AM	DO	n/a	=	61.6	%	Field Meter	-88	0.1	Field Crew	
ME-CC	2017/18-1	Wet	1/9/2018 9:40:00 AM	1/9/2018 9:40:00 AM	DO	n/a	=	6.03	mg/L	Field Meter	-88	0.3	Field Crew	
ME-CC	2017/18-1	Wet	1/9/2018 9:40:00 AM	1/9/2018 9:40:00 AM	pH	n/a	=	7.49	pH Units	Field Meter	-88	0.01	Field Crew	
ME-CC	2017/18-1	Wet	1/9/2018 9:40:00 AM	1/9/2018 9:40:00 AM	Salinity	n/a	=	500	mg/L	Field Meter	-88	100	Field Crew	
ME-CC	2017/18-1	Wet	1/9/2018 9:40:00 AM	1/9/2018 9:40:00 AM	Specific Conductance	n/a	=	1035	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-CC	2017/18-1	Wet	1/9/2018 9:40:00 AM	1/9/2018 9:40:00 AM	Temperature	n/a	=	16.1	°C	Field Meter	-88	0.1	Field Crew	
ME-CC	2017/18-1	Wet	1/9/2018 9:40:00 AM	1/18/2018 4:04:00 AM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
ME-CC	2017/18-1	Wet	1/9/2018 9:40:00 AM	1/19/2018 5:44:00 PM	Oil and Grease	n/a	DNQ	2.8	mg/L	EPA 1664A	1.3	5	WKL	
ME-CC	2017/18-1	Wet	1/9/2018 9:40:00 AM	1/12/2018 2:11:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
ME-CC	2017/18-1	Wet	1/9/2018 9:40:00 AM	1/12/2018 2:11:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/15/2018 1:00:00 PM	Chloride	n/a	=	77	mg/L	EPA 300.0	0.1	0.5	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/15/2018 1:00:00 PM	Fluoride	n/a	=	0.24	mg/L	EPA 300.0	0.02	0.1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/17/2018 9:43:00 PM	Perchlorate	n/a	<	2.8	µg/L	EPA 314.0	2.8	6	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/15/2018 1:00:00 PM	Sulfate	Total	=	110	mg/L	EPA 300.0	0.1	0.5	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/18/2018 11:23:00 AM	Calcium	Total	=	58.8	mg/L	EPA 200.7	0.016	0.1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/18/2018 11:23:00 AM	Magnesium	Total	=	29.2	mg/L	EPA 200.7	0.012	0.1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/18/2018 11:23:00 AM	Potassium	Total	=	14	mg/L	EPA 200.7	0.081	0.1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/18/2018 11:23:00 AM	Sodium	Total	=	56	mg/L	EPA 200.7	0.015	0.5	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/15/2018 1:41:00 PM	Alkalinity as CaCO3	n/a	=	100	mg/L	SM 2320 B	0.56	2	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/16/2018 5:05:00 PM	BOD	n/a	=	19	mg/L	SM 5210 B	2	2	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/18/2018 12:35:00 PM	COD	n/a	=	65	mg/L	EPA 410.4	0.73	5	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/22/2018 4:21:00 PM	Dissolved Inorganic Carbon	Dissolved	=	22	mg/L	SM 5310 B	0.5	0.5	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/15/2018 12:47:00 PM	Dissolved Organic Carbon	Dissolved	=	20	mg/L	SM 5310 B	0.016	0.1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/18/2018 11:23:00 AM	Hardness as CaCO3	Total	=	267	mg/L	EPA 200.7	0.0894	0.662	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/11/2018 9:34:00 PM	MBAS	n/a	=	0.072	mg/L	SM 5540 C	0.019	0.05	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/19/2018 11:02:00 AM	Phenolics	n/a	=	0.029	mg/L	EPA 420.4	0.0042	0.01	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/16/2018 1:51:00 PM	Specific Conductance	n/a	=	690	µmhos/cm	SM 2510 B	0.23	2	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/10/2018 8:17:00 PM	Total Chlorine Residual	n/a	=	0.44	mg/L	SM 4500-Cl G	0.0015	0.05	WKL	EST-HT
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/16/2018 8:53:00 PM	Total Dissolved Solids	n/a	=	420	mg/L	SM 2540 C	4	10	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/12/2018 8:49:00 AM	Total Organic Carbon	n/a	=	17	mg/L	SM 5310 B	0.016	0.1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/15/2018 1:45:00 PM	Total Suspended Solids	n/a	=	1000	mg/L	SM 2540 D	-88	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/11/2018 10:25:00 AM	Turbidity	n/a	=	63	NTU	EPA 180.1	0.048	0.2	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/15/2018 1:45:00 PM	Volatile Suspended Solids	n/a	=	110	mg/L	EPA 160.4	3.1	5	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 4:46:00 PM	Diesel Range Organics	n/a	=	0.67	mg/L	EPA 8015D	0.024	0.1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 4:46:00 PM	Oil Range Organics	n/a	=	0.5	mg/L	EPA 8015D	0.33	0.5	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 12:10:00 PM	Aluminum	Dissolved	=	11	µg/L	EPA 200.8	1.3	5	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 12:14:00 PM	Aluminum	Total	=	17000	µg/L	EPA 200.8	1.3	5	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 12:10:00 PM	Antimony	Dissolved	=	0.76	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 12:14:00 PM	Antimony	Total	=	0.84	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 12:10:00 PM	Arsenic	Dissolved	=	2.8	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 12:14:00 PM	Arsenic	Total	=	7.6	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 12:14:00 PM	Barium	Total	=	170	µg/L	EPA 200.8	0.071	0.5	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 12:10:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 12:14:00 PM	Beryllium	Total	=	0.6	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 12:10:00 PM	Cadmium	Dissolved	=	0.1	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 12:14:00 PM	Cadmium	Total	=	1.5	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 12:10:00 PM	Chromium	Dissolved	=	0.3	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 12:14:00 PM	Chromium	Total	=	42	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/21/2018 1:06:00 PM	Chromium VI	n/a	=	0.28	µg/L	EPA 218.6	0.0096	0.04	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 12:10:00 PM	Copper	Dissolved	=	3.9	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 12:14:00 PM	Copper	Total	=	42	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/18/2018 10:45:00 AM	Iron	Dissolved	=	100	µg/L	EPA 200.7	1.1	10	WKL	HB-MSR
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/18/2018 11:23:00 AM	Iron	Total	=	24000	µg/L	EPA 200.7	1.1	10	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 12:10:00 PM	Lead	Dissolved	DNQ	0.12	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 12:14:00 PM	Lead	Total	=	13	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/18/2018 3:35:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/18/2018 3:37:00 PM	Mercury	Total	=	57	ng/L	EPA 245.1	17	50	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 12:10:00 PM	Nickel	Dissolved	=	4.7	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 12:14:00 PM	Nickel	Total	=	41	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 12:10:00 PM	Selenium	Dissolved	=	1.5	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 12:14:00 PM	Selenium	Total	=	2.7	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 12:10:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 12:14:00 PM	Silver	Total	DNQ	0.16	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 12:10:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 12:14:00 PM	Thallium	Total	=	0.25	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 12:10:00 PM	Zinc	Dissolved	=	8.1	µg/L	EPA 200.8	0.94	5	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 12:14:00 PM	Zinc	Total	=	150	µg/L	EPA 200.8	0.94	5	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/13/2018 8:03:00 PM	Ammonia as N	n/a	=	0.15	mg/L	EPA 350.1	0.048	0.1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/11/2018 4:28:00 PM	Nitrate + Nitrite as N	n/a	=	2.6	mg/L	EPA 353.2	0.083	0.2	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/11/2018 4:28:00 PM	Nitrate as N	n/a	=	2.5	mg/L	EPA 353.2	0.083	0.2	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/15/2018 7:06:00 PM	Phosphorus as P	Dissolved	=	0.89	mg/L	EPA 365.1	0.007	0.05	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/18/2018 2:35:00 PM	Phosphorus as P	Total	=	1.5	mg/L	EPA 365.1	0.035	0.25	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/26/2018 5:09:00 PM	TKN	n/a	=	2.4	mg/L	EPA 351.2	0.05	0.1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 10:07:00 PM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 10:07:00 PM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 10:07:00 PM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 10:07:00 PM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 10:07:00 PM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	2/1/2018 11:22:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/29/2018 5:38:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/29/2018 5:38:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 10:07:00 PM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 10:07:00 PM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/29/2018 5:38:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	EST-LCSRPD
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 10:07:00 PM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/29/2018 5:38:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	EST-LCSRPD
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/29/2018 5:38:00 PM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 10:07:00 PM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 10:07:00 PM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 10:07:00 PM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 10:07:00 PM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 10:07:00 PM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/29/2018 5:38:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	2/1/2018 11:22:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/29/2018 5:38:00 PM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 10:07:00 PM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/29/2018 5:38:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	EST-LCSRPD
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 10:07:00 PM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/29/2018 5:38:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 10:07:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/29/2018 5:38:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 10:07:00 PM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 10:07:00 PM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/29/2018 5:38:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 10:07:00 PM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 10:07:00 PM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/29/2018 5:38:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	2/1/2018 11:22:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 10:07:00 PM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 10:07:00 PM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	2/1/2018 11:22:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 10:07:00 PM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	2/1/2018 11:22:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 10:07:00 PM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	2/1/2018 11:22:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 10:07:00 PM	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	2/1/2018 11:22:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/23/2018 5:08:00 PM	Benzo(a)pyrene	n/a	<	0.7	µg/L	EPA 525.2	0.7	1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 10:07:00 PM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 10:07:00 PM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	2/1/2018 11:22:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	2/1/2018 11:22:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 10:07:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	2/1/2018 11:22:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 10:07:00 PM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 10:07:00 PM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 10:07:00 PM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 10:07:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/23/2018 5:08:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	1	µg/L	EPA 525.2	1	50	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/23/2018 5:08:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	11	µg/L	EPA 525.2	11	30	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 10:07:00 PM	Bis(2-ethylhexyl)phthalate	n/a	=	6.3	µg/L	EPA 625	2.3	5	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 10:07:00 PM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	2/1/2018 11:22:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 10:07:00 PM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	2/1/2018 11:22:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 10:07:00 PM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 10:07:00 PM	Diethyl phthalate	n/a	DNQ	0.15	µg/L	EPA 625	0.15	1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 10:07:00 PM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 10:07:00 PM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 10:07:00 PM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 10:07:00 PM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	2/1/2018 11:22:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	EST-LCSRPD
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 10:07:00 PM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	2/1/2018 11:22:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 10:07:00 PM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 10:07:00 PM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 10:07:00 PM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 10:07:00 PM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	2/1/2018 11:22:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 10:07:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 10:07:00 PM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	2/1/2018 11:22:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 10:07:00 PM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 10:07:00 PM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 10:07:00 PM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 10:07:00 PM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 10:07:00 PM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	2/1/2018 11:22:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 10:07:00 PM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 10:07:00 PM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/29/2018 5:38:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 10:07:00 PM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	2/1/2018 11:22:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/24/2018 4:39:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/24/2018 4:39:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/24/2018 4:39:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/24/2018 4:39:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/24/2018 4:39:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/24/2018 4:39:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/24/2018 4:39:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/13/2018 3:42:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/13/2018 3:42:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/13/2018 3:42:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/13/2018 3:42:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/13/2018 3:42:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/24/2018 4:39:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/24/2018 4:39:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/24/2018 4:39:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/13/2018 3:42:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/23/2018 5:08:00 PM	Alachlor	n/a	<	0.22	µg/L	EPA 525.2	0.22	1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/24/2018 4:39:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/24/2018 4:39:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/24/2018 4:39:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/23/2018 5:08:00 PM	Atrazine	n/a	<	0.34	µg/L	EPA 525.2	0.34	1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/30/2018 8:04:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/13/2018 3:42:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/24/2018 4:39:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/30/2018 8:04:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/23/2018 5:08:00 PM	Bromacil	n/a	<	0.38	µg/L	EPA 525.2	0.38	10	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/23/2018 5:08:00 PM	Butachlor	n/a	<	0.17	µg/L	EPA 525.2	0.17	2	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/23/2018 5:08:00 PM	Captan	n/a	<	8.6	µg/L	EPA 525.2	8.6	10	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/24/2018 4:39:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/23/2018 5:08:00 PM	Chlorpropham	n/a	<	0.1	µg/L	EPA 525.2	0.1	1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/30/2018 8:04:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/30/2018 8:04:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/23/2018 5:08:00 PM	Cyanazine	n/a	<	0.24	µg/L	EPA 525.2	0.24	1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/13/2018 3:42:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/13/2018 3:42:00 AM	DCPA (Dacthal)	n/a	=	1.1	µg/L	EPA 515.3	0.07	0.1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/24/2018 4:39:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/30/2018 8:04:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/30/2018 8:04:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/30/2018 8:04:00 PM	Diazinon	n/a	DNQ	0.0065	µg/L	EPA 525.2m	0.0052	0.01	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/23/2018 5:08:00 PM	Diazinon	n/a	<	0.96	µg/L	EPA 525.2	0.96	1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/13/2018 3:42:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/13/2018 3:42:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/30/2018 8:04:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/24/2018 4:39:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/30/2018 8:04:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/23/2018 5:08:00 PM	Dimethoate	n/a	<	0.24	µg/L	EPA 525.2	0.24	2	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/13/2018 3:42:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/23/2018 5:08:00 PM	Diphenamid	n/a	<	0.24	µg/L	EPA 525.2	0.24	1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/30/2018 8:04:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/23/2018 5:08:00 PM	Disulfoton	n/a	<	0.31	µg/L	EPA 525.2	0.31	1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/24/2018 4:39:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/24/2018 4:39:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/24/2018 4:39:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/24/2018 4:39:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/24/2018 4:39:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/23/2018 5:08:00 PM	EPTC	n/a	<	0.17	µg/L	EPA 525.2	0.17	10	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/30/2018 8:04:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/30/2018 8:04:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/30/2018 8:04:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/30/2018 8:04:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/24/2018 4:39:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/24/2018 4:39:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/11/2018 6:39:00 PM	Glyphosate	n/a	DNQ	11	µg/L	EPA 547	7.2	20	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/24/2018 4:39:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/24/2018 4:39:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/30/2018 8:04:00 PM	Malathion	n/a	=	0.023	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/30/2018 8:04:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/24/2018 4:39:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.25	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/30/2018 8:04:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/23/2018 5:08:00 PM	Metolachlor	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/23/2018 5:08:00 PM	Metribuzin	n/a	<	0.15	µg/L	EPA 525.2	0.15	1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/30/2018 8:04:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/23/2018 5:08:00 PM	Molinate	n/a	<	0.39	µg/L	EPA 525.2	0.39	1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/30/2018 8:04:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/13/2018 3:42:00 AM	Pentachlorophenol	n/a	DNQ	0.06	µg/L	EPA 515.3	0.04	0.2	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/29/2018 5:38:00 PM	Pentachlorophenol	n/a	DNQ	0.49	µg/L	EPA 8270C	0.15	1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 10:07:00 PM	Pentachlorophenol	n/a	DNQ	0.62	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/30/2018 8:04:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/13/2018 3:42:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/23/2018 5:08:00 PM	Prometon	n/a	<	0.24	µg/L	EPA 525.2	0.24	2	WKL	EST-LCSRPD
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/23/2018 5:08:00 PM	Prometryn	n/a	<	0.36	µg/L	EPA 525.2	0.36	1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/30/2018 8:04:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/23/2018 5:08:00 PM	Simazine	n/a	<	0.15	µg/L	EPA 525.2	0.15	1	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/30/2018 8:04:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/23/2018 5:08:00 PM	Terbacil	n/a	<	5.5	µg/L	EPA 525.2	5.5	20	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/23/2018 5:08:00 PM	Thiobencarb	n/a	<	0.25	µg/L	EPA 525.2	0.25	2	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/30/2018 8:04:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/24/2018 4:39:00 AM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/30/2018 8:04:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-CC	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/23/2018 5:08:00 PM	Trithion	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
ME-CC	2017/18-2	Wet	3/2/2018 12:00:00 PM	3/3/2018 7:00:00 AM	E. Coli	n/a	=	495	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-CC	2017/18-2	Wet	3/2/2018 12:00:00 PM	3/5/2018 12:00:00 PM	Fecal Coliform	n/a	=	350	MPN/100 mL	SM 9221 E	2	2	VCHCA	
ME-CC	2017/18-2	Wet	3/2/2018 12:00:00 PM	3/3/2018 7:00:00 AM	Total Coliform	n/a	=	30760	MPN/100 mL	MMO-MUG	100	100	VCHCA	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/15/2018 7:00:00 PM	Chloride	n/a	=	120	mg/L	EPA 300.0	0.2	1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/15/2018 7:00:00 PM	Fluoride	n/a	=	0.41	mg/L	EPA 300.0	0.04	0.2	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/5/2018 3:50:00 PM	Perchlorate	n/a	<	2.8	µg/L	EPA 314.0	2.8	6	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/15/2018 7:00:00 PM	Sulfate	Total	=	150	mg/L	EPA 300.0	0.2	1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/19/2018 3:35:00 PM	Calcium	Total	=	56.3	mg/L	EPA 200.7	0.016	0.1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/19/2018 3:35:00 PM	Magnesium	Total	=	33	mg/L	EPA 200.7	0.012	0.1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/19/2018 3:35:00 PM	Potassium	Total	=	12	mg/L	EPA 200.7	0.081	0.1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/19/2018 3:35:00 PM	Sodium	Total	=	88	mg/L	EPA 200.7	0.015	0.5	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/5/2018 3:47:00 AM	Alkalinity as CaCO3	n/a	=	150	mg/L	SM 2320 B	0.56	2	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/9/2018 12:10:00 PM	BOD	n/a	=	6.2	mg/L	SM 5210 B	2	2	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/13/2018 9:29:00 AM	COD	n/a	=	45	mg/L	EPA 410.4	0.73	5	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/3/2018 9:15:00 AM	Conductivity	n/a	=	501	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/13/2018 6:29:00 PM	Cyanide	Total	DNQ	0.0018	mg/L	ASTM D7511	0.0005	0.002	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/13/2018 12:33:00 PM	Dissolved Inorganic Carbon	Dissolved	=	36	mg/L	SM 5310 B	0.5	0.5	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/9/2018 8:50:00 AM	Dissolved Organic Carbon	Dissolved	=	12	mg/L	SM 5310 B	0.016	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/3/2018 9:15:00 AM	DO	n/a	=	78.2	%	Field Meter	-88	0.1	Field Crew	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/3/2018 9:15:00 AM	DO	n/a	=	7.82	mg/L	Field Meter	-88	0.3	Field Crew	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/19/2018 3:35:00 PM	Hardness as CaCO3	Total	=	276	mg/L	EPA 200.7	0.0894	0.662	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/4/2018 7:25:00 PM	MBAS	n/a	=	0.077	mg/L	SM 5540 C	0.019	0.05	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/3/2018 9:15:00 AM	pH	n/a	=	7.84	pH Units	Field Meter	-88	0.01	Field Crew	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/20/2018 3:38:00 PM	Phenolics	n/a	DNQ	0.0075	mg/L	EPA 420.4	0.0042	0.01	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/3/2018 9:15:00 AM	Salinity	n/a	=	300	mg/L	Field Meter	-88	100	Field Crew	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/3/2018 9:15:00 AM	Specific Conductance	n/a	=	621	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/7/2018 4:04:00 PM	Specific Conductance	n/a	=	1100	µmhos/cm	SM 2510 B	0.23	2	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/3/2018 9:15:00 AM	Temperature	n/a	=	15.1	°C	Field Meter	-88	0.1	Field Crew	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/5/2018 4:11:00 PM	Total Chlorine Residual	n/a	=	0.075	mg/L	SM 4500-Cl G	0.0015	0.05	WKL	EST-HT
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/8/2018 5:49:00 PM	Total Dissolved Solids	n/a	=	640	mg/L	SM 2540 C	4	10	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/12/2018 10:51:00 AM	Total Organic Carbon	n/a	=	11	mg/L	SM 5310 B	0.016	0.1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/8/2018 5:55:00 PM	Total Suspended Solids	n/a	=	91	mg/L	SM 2540 D	-88	5	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/4/2018 11:49:00 AM	Turbidity	n/a	=	23	NTU	EPA 180.1	0.024	0.1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/8/2018 5:55:00 PM	Volatile Suspended Solids	n/a	=	10	mg/L	EPA 160.4	3.1	5	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/15/2018 7:47:00 PM	Diesel Range Organics	n/a	=	0.34	mg/L	EPA 8015D	0.024	0.1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/6/2018 5:54:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/20/2018 4:17:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/15/2018 7:47:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/19/2018 1:01:00 PM	Aluminum	Dissolved	=	8.1	µg/L	EPA 200.8	1.3	5	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/19/2018 1:05:00 PM	Aluminum	Total	=	2400	µg/L	EPA 200.8	1.3	5	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/20/2018 12:30:00 PM	Antimony	Dissolved	=	0.62	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/20/2018 12:33:00 PM	Antimony	Total	=	0.65	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/19/2018 1:01:00 PM	Arsenic	Dissolved	=	3.1	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/19/2018 1:05:00 PM	Arsenic	Total	=	3.7	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/19/2018 1:05:00 PM	Barium	Total	=	43	µg/L	EPA 200.8	0.071	0.5	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/20/2018 12:30:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/20/2018 12:33:00 PM	Beryllium	Total	DNQ	0.09	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/19/2018 1:01:00 PM	Cadmium	Dissolved	=	0.15	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/19/2018 1:05:00 PM	Cadmium	Total	=	0.33	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/19/2018 1:01:00 PM	Chromium	Dissolved	=	0.35	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/19/2018 1:05:00 PM	Chromium	Total	=	6.7	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/14/2018 6:23:00 PM	Chromium VI	n/a	=	0.2	µg/L	EPA 218.6	0.024	0.1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/19/2018 1:01:00 PM	Copper	Dissolved	=	4.5	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/19/2018 1:05:00 PM	Copper	Total	=	9.4	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/19/2018 2:51:00 PM	Iron	Dissolved	=	24	µg/L	EPA 200.7	1.1	10	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/19/2018 3:35:00 PM	Iron	Total	=	3200	µg/L	EPA 200.7	1.1	10	WKL	HB-MSR
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/19/2018 1:01:00 PM	Lead	Dissolved	DNQ	0.05	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/19/2018 1:05:00 PM	Lead	Total	=	1.9	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/15/2018 1:23:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/15/2018 1:25:00 PM	Mercury	Total	<	17	ng/L	EPA 245.1	17	50	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/19/2018 1:01:00 PM	Nickel	Dissolved	=	4	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/19/2018 1:05:00 PM	Nickel	Total	=	8.7	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/19/2018 1:01:00 PM	Selenium	Dissolved	=	1	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/19/2018 1:05:00 PM	Selenium	Total	=	1.1	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/19/2018 1:01:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/19/2018 1:05:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/19/2018 1:01:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/19/2018 1:05:00 PM	Thallium	Total	DNQ	0.031	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/19/2018 1:01:00 PM	Zinc	Dissolved	=	12	µg/L	EPA 200.8	0.94	5	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/19/2018 1:05:00 PM	Zinc	Total	=	33	µg/L	EPA 200.8	0.94	5	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/14/2018 6:29:00 PM	Ammonia as N	n/a	=	0.18	mg/L	EPA 350.1	0.048	0.1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/4/2018 11:53:00 AM	Nitrate + Nitrite as N	n/a	=	4.9	mg/L	EPA 353.2	0.083	0.2	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/4/2018 1:07:00 PM	Nitrate as N	n/a	=	4.8	mg/L	EPA 353.2	0.083	0.2	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/19/2018 12:28:00 PM	Phosphorus as P	Dissolved	=	1.8	mg/L	EPA 365.1	0.028	0.2	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/16/2018 11:53:00 AM	Phosphorus as P	Total	=	1.7	mg/L	EPA 365.1	0.028	0.2	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/19/2018 3:16:00 PM	TKN	n/a	=	1.9	mg/L	EPA 351.2	0.05	0.1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/15/2018 1:28:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/15/2018 1:28:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/15/2018 1:28:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/15/2018 1:28:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/15/2018 1:28:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/20/2018 4:53:00 AM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/26/2018 2:24:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/26/2018 2:24:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/15/2018 1:28:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/15/2018 1:28:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/26/2018 2:24:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/15/2018 1:28:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	EST-LCSRDP
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/26/2018 2:24:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	LCSRDP, LB-L
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/15/2018 1:28:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/26/2018 2:24:00 PM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/15/2018 1:28:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/15/2018 1:28:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/7/2018 1:58:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/15/2018 1:28:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/15/2018 1:28:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/26/2018 2:24:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/20/2018 4:53:00 AM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/26/2018 2:24:00 PM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/15/2018 1:28:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/26/2018 2:24:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/15/2018 1:28:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/26/2018 2:24:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/26/2018 2:24:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/15/2018 1:28:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/15/2018 1:28:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/15/2018 1:28:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/26/2018 2:24:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/15/2018 1:28:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/15/2018 1:28:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/26/2018 2:24:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/15/2018 1:28:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/20/2018 4:53:00 AM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/15/2018 1:28:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/20/2018 4:53:00 AM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/15/2018 1:28:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/20/2018 4:53:00 AM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/20/2018 4:53:00 AM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/15/2018 1:28:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/15/2018 1:28:00 AM	Ben-zidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/20/2018 4:53:00 AM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/15/2018 1:28:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/20/2018 12:08:00 AM	Benzo(a)pyrene	n/a	<	0.35	µg/L	EPA 525.2	0.35	0.5	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/20/2018 4:53:00 AM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/15/2018 1:28:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/15/2018 1:28:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/20/2018 4:53:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/20/2018 4:53:00 AM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/15/2018 1:28:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/15/2018 1:28:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/15/2018 1:28:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/15/2018 1:28:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/20/2018 12:08:00 AM	Bis(2-ethylhexyl)adipate	n/a	<	0.52	µg/L	EPA 525.2	0.52	25	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/20/2018 12:08:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	5.3	µg/L	EPA 525.2	5.3	15	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/15/2018 1:28:00 AM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	4.5	µg/L	EPA 625	2.3	5	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/15/2018 1:28:00 AM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/15/2018 1:28:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/20/2018 4:53:00 AM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/15/2018 1:28:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/20/2018 4:53:00 AM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/15/2018 1:28:00 AM	Diethyl phthalate	n/a	DNQ	0.17	µg/L	EPA 625	0.15	1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/15/2018 1:28:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/15/2018 1:28:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/15/2018 1:28:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/15/2018 1:28:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/20/2018 4:53:00 AM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/15/2018 1:28:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/20/2018 4:53:00 AM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/15/2018 1:28:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/15/2018 1:28:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/15/2018 1:28:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/15/2018 1:28:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/20/2018 4:53:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/15/2018 1:28:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/15/2018 1:28:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/7/2018 1:58:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/15/2018 1:28:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/20/2018 4:53:00 AM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/15/2018 1:28:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/15/2018 1:28:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/15/2018 1:28:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/15/2018 1:28:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/20/2018 4:53:00 AM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/15/2018 1:28:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/15/2018 1:28:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/26/2018 2:24:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/15/2018 1:28:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/20/2018 4:53:00 AM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/20/2018 12:47:00 AM	PCB Aroclor 1016	n/a	<	0.1	µg/L	EPA 608	0.1	1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/20/2018 12:47:00 AM	PCB Aroclor 1221	n/a	<	0.12	µg/L	EPA 608	0.12	1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/20/2018 12:47:00 AM	PCB Aroclor 1232	n/a	<	0.3	µg/L	EPA 608	0.3	1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/20/2018 12:47:00 AM	PCB Aroclor 1242	n/a	<	0.14	µg/L	EPA 608	0.14	1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/20/2018 12:47:00 AM	PCB Aroclor 1248	n/a	<	0.12	µg/L	EPA 608	0.12	1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/20/2018 12:47:00 AM	PCB Aroclor 1254	n/a	<	0.08	µg/L	EPA 608	0.08	1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/20/2018 12:47:00 AM	PCB Aroclor 1260	n/a	<	0.08	µg/L	EPA 608	0.08	1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/13/2018 1:18:00 PM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/13/2018 1:18:00 PM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/13/2018 1:18:00 PM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/13/2018 1:18:00 PM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/13/2018 1:18:00 PM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/20/2018 12:47:00 AM	4,4'-DDD	n/a	<	0.006	µg/L	EPA 608	0.006	0.1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/20/2018 12:47:00 AM	4,4'-DDE	n/a	<	0.005	µg/L	EPA 608	0.005	0.1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/20/2018 12:47:00 AM	4,4'-DDT	n/a	<	0.0062	µg/L	EPA 608	0.0062	0.02	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/13/2018 1:18:00 PM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/20/2018 12:08:00 AM	Alachlor	n/a	<	0.11	µg/L	EPA 525.2	0.11	0.5	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/20/2018 12:47:00 AM	Aldrin	n/a	<	0.003	µg/L	EPA 608	0.003	0.01	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/20/2018 12:47:00 AM	alpha-BHC	n/a	<	0.0036	µg/L	EPA 608	0.0036	0.02	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/20/2018 12:47:00 AM	alpha-Chlordane	n/a	<	0.0082	µg/L	EPA 608	0.0082	0.02	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/20/2018 12:08:00 AM	Atrazine	n/a	<	0.17	µg/L	EPA 525.2	0.17	0.5	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/9/2018 1:13:00 AM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/13/2018 1:18:00 PM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/20/2018 12:47:00 AM	beta-BHC	n/a	<	0.0062	µg/L	EPA 608	0.0062	0.01	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/9/2018 1:13:00 AM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/20/2018 12:08:00 AM	Bromacil	n/a	<	0.19	µg/L	EPA 525.2	0.19	5	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/20/2018 12:08:00 AM	Butachlor	n/a	<	0.085	µg/L	EPA 525.2	0.085	1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/20/2018 12:08:00 AM	Captan	n/a	<	4.3	µg/L	EPA 525.2	4.3	5	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/20/2018 12:47:00 AM	Chlordane (technical)	n/a	<	0.16	µg/L	EPA 608	0.16	0.2	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/20/2018 12:08:00 AM	Chloropropham	n/a	<	0.05	µg/L	EPA 525.2	0.05	0.5	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/9/2018 1:13:00 AM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/9/2018 1:13:00 AM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/20/2018 12:08:00 AM	Cyanazine	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/13/2018 1:18:00 PM	Dalapon	n/a	DNQ	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/13/2018 1:18:00 PM	DCPA (Dacthal)	n/a	=	1.1	µg/L	EPA 515.3	0.07	0.1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/20/2018 12:47:00 AM	delta-BHC	n/a	<	0.005	µg/L	EPA 608	0.005	0.01	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/9/2018 1:13:00 AM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/9/2018 1:13:00 AM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/20/2018 12:08:00 AM	Diazinon	n/a	<	0.48	µg/L	EPA 525.2	0.48	0.5	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/9/2018 1:13:00 AM	Diazinon	n/a	DNQ	0.0083	µg/L	EPA 525.2m	0.0052	0.01	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/13/2018 1:18:00 PM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/13/2018 1:18:00 PM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/9/2018 1:13:00 AM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/20/2018 12:47:00 AM	Dieldrin	n/a	<	0.0042	µg/L	EPA 608	0.0042	0.02	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/9/2018 1:13:00 AM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/21/2018 3:18:00 AM	Dimethoate	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/13/2018 1:18:00 PM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/20/2018 12:08:00 AM	Diphenamid	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/9/2018 1:13:00 AM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/20/2018 12:08:00 AM	Disulfoton	n/a	<	0.16	µg/L	EPA 525.2	0.16	0.5	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/20/2018 12:47:00 AM	Endosulfan I	n/a	<	0.0034	µg/L	EPA 608	0.0034	0.04	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/20/2018 12:47:00 AM	Endosulfan II	n/a	<	0.0038	µg/L	EPA 608	0.0038	0.02	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/20/2018 12:47:00 AM	Endosulfan sulfate	n/a	<	0.016	µg/L	EPA 608	0.016	0.1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/20/2018 12:47:00 AM	Endrin	n/a	<	0.0056	µg/L	EPA 608	0.0056	0.02	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/20/2018 12:47:00 AM	Endrin aldehyde	n/a	<	0.006	µg/L	EPA 608	0.006	0.02	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/20/2018 12:08:00 AM	EPTC	n/a	<	0.085	µg/L	EPA 525.2	0.085	5	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/9/2018 1:13:00 AM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/9/2018 1:13:00 AM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/9/2018 1:13:00 AM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/9/2018 1:13:00 AM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/20/2018 12:47:00 AM	gamma-BHC (Lindane)	n/a	<	0.0042	µg/L	EPA 608	0.0042	0.04	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/20/2018 12:47:00 AM	gamma-Chlordane	n/a	<	0.0088	µg/L	EPA 608	0.0088	0.02	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/9/2018 6:00:00 PM	Glyphosate	n/a	DNQ	4.9	µg/L	EPA 547	1.8	5	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/20/2018 12:47:00 AM	Heptachlor	n/a	<	0.0034	µg/L	EPA 608	0.0034	0.02	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/20/2018 12:47:00 AM	Heptachlor epoxide	n/a	<	0.0038	µg/L	EPA 608	0.0038	0.02	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/9/2018 1:13:00 AM	Malathion	n/a	=	0.013	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/9/2018 1:13:00 AM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/20/2018 12:47:00 AM	Methoxychlor	n/a	<	0.011	µg/L	EPA 608	0.011	0.04	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/9/2018 1:13:00 AM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/20/2018 12:08:00 AM	Metolachlor	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.5	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/20/2018 12:08:00 AM	Metribuzin	n/a	<	0.075	µg/L	EPA 525.2	0.075	0.5	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/9/2018 1:13:00 AM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/20/2018 12:08:00 AM	Molinate	n/a	<	0.2	µg/L	EPA 525.2	0.2	0.5	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/9/2018 1:13:00 AM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/13/2018 1:18:00 PM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/15/2018 1:28:00 AM	Pentachlorophenol	n/a	DNQ	0.84	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/26/2018 2:24:00 PM	Pentachlorophenol	n/a	DNQ	0.47	µg/L	EPA 8270C	0.15	1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/9/2018 1:13:00 AM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/13/2018 1:18:00 PM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/20/2018 12:08:00 AM	Prometon	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/20/2018 12:08:00 AM	Prometryn	n/a	DNQ	0.23	µg/L	EPA 525.2	0.18	0.5	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/9/2018 1:13:00 AM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/20/2018 12:08:00 AM	Simazine	n/a	<	0.075	µg/L	EPA 525.2	0.075	0.5	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/9/2018 1:13:00 AM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/20/2018 12:08:00 AM	Terbacil	n/a	<	2.8	µg/L	EPA 525.2	2.8	10	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/21/2018 3:18:00 AM	Thiobencarb	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/9/2018 1:13:00 AM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/20/2018 12:47:00 AM	Toxaphene	n/a	<	0.24	µg/L	EPA 608	0.24	1	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/9/2018 1:13:00 AM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-CC	2017/18-2	Wet	3/3/2018 9:15:00 AM	3/20/2018 12:08:00 AM	Trithion	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2017/18-3	Wet	3/10/2018 8:45:00 PM	3/11/2018 11:34:00 PM	E. Coli	n/a	=	2909	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-CC	2017/18-3	Wet	3/10/2018 8:45:00 PM	3/13/2018 9:30:00 PM	Fecal Coliform	n/a	=	2400	MPN/100 mL	SM 9221 E	2	2	VCHCA	
ME-CC	2017/18-3	Wet	3/10/2018 8:45:00 PM	3/11/2018 11:34:00 PM	Total Coliform	n/a	=	387300	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
ME-CC	2017/18-3	Wet	3/10/2018 8:45:00 PM	3/10/2018 8:45:00 PM	Conductivity	n/a	=	913	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-CC	2017/18-3	Wet	3/10/2018 8:45:00 PM	3/19/2018 4:29:00 PM	Cyanide	Total	DNQ	0.0015	mg/L	ASTM D7511	0.0005	0.002	WKL	
ME-CC	2017/18-3	Wet	3/10/2018 8:45:00 PM	3/10/2018 8:45:00 PM	DO	n/a	=	6.77	mg/L	Field Meter	-88	0.3	Field Crew	
ME-CC	2017/18-3	Wet	3/10/2018 8:45:00 PM	3/10/2018 8:45:00 PM	DO	n/a	=	69.9	%	Field Meter	-88	0.1	Field Crew	
ME-CC	2017/18-3	Wet	3/10/2018 8:45:00 PM	3/10/2018 8:45:00 PM	pH	n/a	=	7.72	pH Units	Field Meter	-88	0.01	Field Crew	
ME-CC	2017/18-3	Wet	3/10/2018 8:45:00 PM	3/10/2018 8:45:00 PM	Salinity	n/a	=	500	mg/L	Field Meter	-88	100	Field Crew	
ME-CC	2017/18-3	Wet	3/10/2018 8:45:00 PM	3/10/2018 8:45:00 PM	Specific Conductance	n/a	=	1080	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-CC	2017/18-3	Wet	3/10/2018 8:45:00 PM	3/10/2018 8:45:00 PM	Temperature	n/a	=	16.9	°C	Field Meter	-88	0.1	Field Crew	
ME-CC	2017/18-3	Wet	3/10/2018 8:45:00 PM	3/16/2018 12:58:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
ME-CC	2017/18-3	Wet	3/10/2018 8:45:00 PM	3/27/2018 6:07:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
ME-CC	2017/18-3	Wet	3/10/2018 8:45:00 PM	3/13/2018 3:52:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
ME-CC	2017/18-3	Wet	3/10/2018 8:45:00 PM	3/13/2018 3:52:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/21/2018 2:00:00 PM	Chloride	n/a	=	88	mg/L	EPA 300.0	0.2	1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/21/2018 2:00:00 PM	Fluoride	n/a	=	0.28	mg/L	EPA 300.0	0.04	0.2	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/12/2018 4:20:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/21/2018 2:00:00 PM	Sulfate	Total	=	110	mg/L	EPA 300.0	0.2	1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/26/2018 7:09:00 PM	Calcium	Total	=	44.1	mg/L	EPA 200.7	0.016	0.1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/26/2018 7:09:00 PM	Magnesium	Total	=	24.7	mg/L	EPA 200.7	0.012	0.1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/26/2018 7:09:00 PM	Potassium	Total	=	11	mg/L	EPA 200.7	0.081	0.1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/26/2018 7:09:00 PM	Sodium	Total	=	71	mg/L	EPA 200.7	0.015	0.5	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/12/2018 1:51:00 PM	Alkalinity as CaCO3	n/a	=	110	mg/L	SM 2320 B	0.56	2	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/17/2018 7:25:00 PM	BOD	n/a	=	10	mg/L	SM 5210 B	2	2	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/19/2018 7:36:00 PM	COD	n/a	=	40	mg/L	EPA 410.4	0.73	5	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/15/2018 1:47:00 PM	Dissolved Inorganic Carbon	Dissolved	=	25	mg/L	SM 5310 B	0.5	0.5	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/19/2018 8:44:00 AM	Dissolved Organic Carbon	Dissolved	=	8	mg/L	SM 5310 B	0.016	0.1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/26/2018 7:09:00 PM	Hardness as CaCO3	Total	=	212	mg/L	EPA 200.7	0.0894	0.662	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/12/2018 4:40:00 PM	MBAS	n/a	DNQ	0.026	mg/L	SM 5540 C	0.019	0.05	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/27/2018 3:56:00 PM	Phenolics	n/a	DNQ	0.0053	mg/L	EPA 420.4	0.0042	0.01	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/14/2018 5:40:00 PM	Specific Conductance	n/a	=	780	µmhos/cm	SM 2510 B	0.23	2	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/12/2018 9:45:00 PM	Total Chlorine Residual	n/a	DNQ	0.021	mg/L	SM 4500-Cl G	0.0015	0.05	WKL	EST-HT
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/15/2018 5:49:00 PM	Total Dissolved Solids	n/a	=	430	mg/L	SM 2540 C	4	10	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 10:17:00 AM	Total Organic Carbon	n/a	=	6.6	mg/L	SM 5310 B	0.016	0.1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/14/2018 1:40:00 PM	Total Suspended Solids	n/a	=	260	mg/L	SM 2540 D	-88	5	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/12/2018 11:32:00 AM	Turbidity	n/a	=	45	NTU	EPA 180.1	0.048	0.2	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/14/2018 1:40:00 PM	Volatile Suspended Solids	n/a	=	60	mg/L	EPA 160.4	3.1	5	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/19/2018 8:35:00 PM	Diesel Range Organics	n/a	=	0.19	mg/L	EPA 8015D	0.024	0.1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/19/2018 8:35:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	4/2/2018 8:40:00 PM	Aluminum	Dissolved	=	11	µg/L	EPA 200.8	1.3	5	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	4/2/2018 8:45:00 PM	Aluminum	Total	=	6400	µg/L	EPA 200.8	1.3	5	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/30/2018 11:23:00 PM	Antimony	Dissolved	DNQ	0.47	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/30/2018 11:30:00 PM	Antimony	Total	=	0.69	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/30/2018 11:23:00 PM	Arsenic	Dissolved	=	2.5	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/30/2018 11:30:00 PM	Arsenic	Total	=	4.2	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/30/2018 11:30:00 PM	Barium	Total	=	64	µg/L	EPA 200.8	0.071	0.5	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/30/2018 11:23:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/30/2018 11:30:00 PM	Beryllium	Total	=	0.22	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/30/2018 11:23:00 PM	Cadmium	Dissolved	=	0.12	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/30/2018 11:23:00 PM	Cadmium	Total	=	0.54	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/30/2018 11:23:00 PM	Chromium	Dissolved	=	0.32	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/30/2018 11:30:00 PM	Chromium	Total	=	17	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/15/2018 6:01:00 PM	Chromium VI	n/a	=	0.22	µg/L	EPA 218.6	0.024	0.1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/30/2018 11:23:00 PM	Copper	Dissolved	=	4.9	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/30/2018 11:30:00 PM	Copper	Total	=	17	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/26/2018 6:31:00 PM	Iron	Dissolved	=	25	µg/L	EPA 200.7	1.1	10	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/26/2018 7:09:00 PM	Iron	Total	=	8400	µg/L	EPA 200.7	1.1	10	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/30/2018 11:23:00 PM	Lead	Dissolved	DNQ	0.07	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/30/2018 11:30:00 PM	Lead	Total	=	4.4	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/23/2018 3:34:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/23/2018 3:36:00 PM	Mercury	Total	<	17	ng/L	EPA 245.1	17	50	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/30/2018 11:23:00 PM	Nickel	Dissolved	=	3.5	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/30/2018 11:30:00 PM	Nickel	Total	=	15	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	4/2/2018 8:40:00 PM	Selenium	Dissolved	=	0.52	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	4/2/2018 8:45:00 PM	Selenium	Total	=	0.79	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/30/2018 11:23:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/30/2018 11:30:00 PM	Silver	Total	DNQ	0.12	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/30/2018 11:23:00 PM	Thallium	Dissolved	DNQ	0.03	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/30/2018 11:30:00 PM	Thallium	Total	DNQ	0.1	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/30/2018 11:23:00 PM	Zinc	Dissolved	=	10	µg/L	EPA 200.8	0.94	5	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/30/2018 11:30:00 PM	Zinc	Total	=	60	µg/L	EPA 200.8	0.94	5	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/21/2018 8:47:00 PM	Ammonia as N	n/a	=	0.18	mg/L	EPA 350.1	0.048	0.1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/12/2018 6:16:00 PM	Nitrate + Nitrite as N	n/a	=	3.8	mg/L	EPA 353.2	0.083	0.2	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/12/2018 6:16:00 PM	Nitrate as N	n/a	=	3.8	mg/L	EPA 353.2	0.083	0.2	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/27/2018 5:45:00 PM	Phosphorus as P	Dissolved	=	1.4	mg/L	EPA 365.1	0.035	0.25	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 11:32:00 AM	Phosphorus as P	Total	=	2	mg/L	EPA 365.1	0.035	0.25	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/23/2018 3:23:00 PM	TKN	n/a	=	2	mg/L	EPA 351.2	0.05	0.1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 1:55:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 1:55:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 1:55:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 1:55:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 1:55:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/27/2018 3:03:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/23/2018 4:21:00 AM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 1:55:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/23/2018 4:21:00 AM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/23/2018 4:21:00 AM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 1:55:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 10:25:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	EST-LCSRPD
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/23/2018 4:21:00 AM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/23/2018 4:21:00 AM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	EST-LCSRPD
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 1:55:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 1:55:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 1:55:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 1:55:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/23/2018 4:21:00 AM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 1:55:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/27/2018 3:03:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/23/2018 4:21:00 AM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/23/2018 4:21:00 AM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 1:55:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 1:55:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/23/2018 4:21:00 AM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/23/2018 4:21:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	EST-LCSRPD
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 1:55:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 1:55:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 1:55:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/23/2018 4:21:00 AM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 1:55:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/23/2018 4:21:00 AM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	EST-LCSRPD
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 1:55:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 1:55:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/27/2018 3:03:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/27/2018 3:03:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 1:55:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 1:55:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/27/2018 3:03:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/27/2018 3:03:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 1:55:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 1:55:00 AM	Ben-zidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/27/2018 3:03:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 1:55:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 2:30:00 PM	Benzo(a)pyrene	n/a	<	0.35	µg/L	EPA 525.2	0.35	0.5	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 1:55:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/27/2018 3:03:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 1:55:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/27/2018 3:03:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 1:55:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/27/2018 3:03:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 1:55:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 1:55:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 1:55:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 2:30:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.52	µg/L	EPA 525.2	0.52	25	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 2:30:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	5.3	µg/L	EPA 525.2	5.3	15	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 1:55:00 AM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	3	µg/L	EPA 625	2.3	5	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 1:55:00 AM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/27/2018 3:03:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 1:55:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/27/2018 3:03:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 1:55:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 1:55:00 AM	Diethyl phthalate	n/a	DNQ	0.17	µg/L	EPA 625	0.15	1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 1:55:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 1:55:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 1:55:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 1:55:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/27/2018 3:03:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 1:55:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/27/2018 3:03:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 1:55:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 1:55:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 1:55:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 1:55:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 1:55:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/27/2018 3:03:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 1:55:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/27/2018 3:03:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 1:55:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 1:55:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 1:55:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 1:55:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 1:55:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/27/2018 3:03:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 1:55:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 1:55:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/23/2018 4:21:00 AM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/27/2018 3:03:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 1:55:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/24/2018 7:21:00 PM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/24/2018 7:21:00 PM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/24/2018 7:21:00 PM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/24/2018 7:21:00 PM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/24/2018 7:21:00 PM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/24/2018 7:21:00 PM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/24/2018 7:21:00 PM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/17/2018 12:46:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/17/2018 12:46:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/17/2018 12:46:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/17/2018 12:46:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/17/2018 12:46:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/24/2018 7:21:00 PM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/24/2018 7:21:00 PM	4,4'-DDE	n/a	DNQ	0.026	µg/L	EPA 608	0.012	0.25	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/24/2018 7:21:00 PM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/17/2018 12:46:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 2:30:00 PM	Alachlor	n/a	<	0.11	µg/L	EPA 525.2	0.11	0.5	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/24/2018 7:21:00 PM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/24/2018 7:21:00 PM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/24/2018 7:21:00 PM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 2:30:00 PM	Atrazine	n/a	<	0.17	µg/L	EPA 525.2	0.17	0.5	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/19/2018 2:29:00 PM	Azinphos methyl	n/a	<	0.028	µg/L	EPA 525.2m	0.028	0.05	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/17/2018 12:46:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/24/2018 7:21:00 PM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/19/2018 2:29:00 PM	Bolstar	n/a	<	0.023	µg/L	EPA 525.2m	0.023	0.05	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 2:30:00 PM	Bromacil	n/a	<	0.19	µg/L	EPA 525.2	0.19	5	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 2:30:00 PM	Butachlor	n/a	<	0.085	µg/L	EPA 525.2	0.085	1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 2:30:00 PM	Captan	n/a	<	4.3	µg/L	EPA 525.2	4.3	5	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/24/2018 7:21:00 PM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 2:30:00 PM	Chlorpropham	n/a	<	0.05	µg/L	EPA 525.2	0.05	0.5	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/19/2018 2:29:00 PM	Chlorpyrifos	n/a	<	0.034	µg/L	EPA 525.2m	0.034	0.05	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/19/2018 2:29:00 PM	Coumaphos	n/a	<	0.026	µg/L	EPA 525.2m	0.026	0.05	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 2:30:00 PM	Cyanazine	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/17/2018 12:46:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/17/2018 12:46:00 AM	DCPA (Dacthal)	n/a	=	0.89	µg/L	EPA 515.3	0.07	0.1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/24/2018 7:21:00 PM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/19/2018 2:29:00 PM	Demeton-O	n/a	<	0.05	µg/L	EPA 525.2m	0.05	0.05	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/19/2018 2:29:00 PM	Demeton-S	n/a	<	0.05	µg/L	EPA 525.2m	0.05	0.05	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 2:30:00 PM	Diazinon	n/a	<	0.48	µg/L	EPA 525.2	0.48	0.5	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/19/2018 2:29:00 PM	Diazinon	n/a	<	0.026	µg/L	EPA 525.2m	0.026	0.05	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/17/2018 12:46:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/17/2018 12:46:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/19/2018 2:29:00 PM	Dichlorvos	n/a	DNQ	0.016	µg/L	EPA 525.2m	0.014	0.05	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/24/2018 7:21:00 PM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 2:30:00 PM	Dimethoate	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/19/2018 2:29:00 PM	Dimethoate	n/a	<	0.031	µg/L	EPA 525.2m	0.031	0.05	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/17/2018 12:46:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 2:30:00 PM	Diphenamid	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/19/2018 2:29:00 PM	Disulfoton	n/a	<	0.05	µg/L	EPA 525.2m	0.05	0.05	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 2:30:00 PM	Disulfoton	n/a	<	0.16	µg/L	EPA 525.2	0.16	0.5	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/24/2018 7:21:00 PM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/24/2018 7:21:00 PM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/24/2018 7:21:00 PM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/24/2018 7:21:00 PM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/24/2018 7:21:00 PM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 2:30:00 PM	EPTC	n/a	<	0.085	µg/L	EPA 525.2	0.085	5	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/19/2018 2:29:00 PM	Ethoprop	n/a	<	0.034	µg/L	EPA 525.2m	0.034	0.05	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/19/2018 2:29:00 PM	Ethyl parathion	n/a	<	0.027	µg/L	EPA 525.2m	0.027	0.05	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/19/2018 2:29:00 PM	Fensulfthion	n/a	<	0.014	µg/L	EPA 525.2m	0.014	0.05	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/19/2018 2:29:00 PM	Fenthion	n/a	<	0.019	µg/L	EPA 525.2m	0.019	0.05	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/24/2018 7:21:00 PM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/24/2018 7:21:00 PM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 10:02:00 PM	Glyphosate	n/a	=	5.5	µg/L	EPA 547	1.8	5	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/24/2018 7:21:00 PM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/24/2018 7:21:00 PM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/19/2018 2:29:00 PM	Malathion	n/a	<	0.038	µg/L	EPA 525.2m	0.038	0.05	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/19/2018 2:29:00 PM	Merphos	n/a	<	0.029	µg/L	EPA 525.2m	0.029	0.05	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/24/2018 7:21:00 PM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/19/2018 2:29:00 PM	Methyl parathion	n/a	<	0.032	µg/L	EPA 525.2m	0.032	0.05	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 2:30:00 PM	Metolachlor	n/a	DNQ	0.21	µg/L	EPA 525.2	0.06	0.5	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 2:30:00 PM	Metribuzin	n/a	<	0.075	µg/L	EPA 525.2	0.075	0.5	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/19/2018 2:29:00 PM	Mevinphos	n/a	<	0.021	µg/L	EPA 525.2m	0.021	0.05	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 2:30:00 PM	Molinate	n/a	<	0.2	µg/L	EPA 525.2	0.2	0.5	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/19/2018 2:29:00 PM	Naled	n/a	<	0.038	µg/L	EPA 525.2m	0.038	0.05	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 1:55:00 AM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/23/2018 4:21:00 AM	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1	WKL	EST-LCSRPD
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/17/2018 12:46:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/19/2018 2:29:00 PM	Phorate	n/a	<	0.015	µg/L	EPA 525.2m	0.015	0.05	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/17/2018 12:46:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 2:30:00 PM	Prometon	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	EST-LCSRPD
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 2:30:00 PM	Prometryn	n/a	<	0.18	µg/L	EPA 525.2	0.18	0.5	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/19/2018 2:29:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.02	µg/L	EPA 525.2m	0.02	0.05	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 2:30:00 PM	Simazine	n/a	<	0.075	µg/L	EPA 525.2	0.075	0.5	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/19/2018 2:29:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.016	µg/L	EPA 525.2m	0.016	0.05	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 2:30:00 PM	Terbacil	n/a	<	2.8	µg/L	EPA 525.2	2.8	10	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 2:30:00 PM	Thiobencarb	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/19/2018 2:29:00 PM	Tokuthion	n/a	<	0.039	µg/L	EPA 525.2m	0.039	0.05	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/24/2018 7:21:00 PM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/19/2018 2:29:00 PM	Trichloronate	n/a	<	0.034	µg/L	EPA 525.2m	0.034	0.05	WKL	
ME-CC	2017/18-3	Wet	3/11/2018 10:25:00 AM	3/22/2018 2:30:00 PM	Trithion	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.5	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/4/2018 10:00:00 AM	Chloride	n/a	=	230	mg/L	EPA 300.0	0.4	2	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/4/2018 10:00:00 AM	Fluoride	n/a	=	0.44	mg/L	EPA 300.0	0.04	0.2	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/7/2018 3:54:00 AM	Perchlorate	n/a	<	1.9	µg/L	EPA 314.0	1.9	4	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/4/2018 10:00:00 AM	Sulfate	Total	=	250	mg/L	EPA 300.0	0.4	2	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/7/2018 11:28:00 AM	Calcium	Total	=	89.8	mg/L	EPA 200.7	0.016	0.1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/7/2018 11:28:00 AM	Magnesium	Total	=	52.8	mg/L	EPA 200.7	0.012	0.1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/7/2018 11:28:00 AM	Potassium	Total	=	21	mg/L	EPA 200.7	0.081	0.1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/7/2018 11:28:00 AM	Sodium	Total	=	190	mg/L	EPA 200.7	0.015	0.5	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	5/31/2018 1:09:00 PM	Alkalinity as CaCO3	n/a	=	260	mg/L	SM 2320 B	0.56	2	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/5/2018 5:02:00 PM	BOD	n/a	<	2	mg/L	SM 5210 B	2	2	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/7/2018 1:47:00 PM	COD	n/a	=	13	mg/L	EPA 410.4	0.73	5	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/12/2018 11:30:00 AM	Dissolved Inorganic Carbon	Dissolved	=	59	mg/L	SM 5310 B	0.5	0.5	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/6/2018 3:22:00 PM	Dissolved Organic Carbon	Dissolved	=	6.2	mg/L	SM 5310 B	0.016	0.1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/7/2018 11:28:00 AM	Hardness as CaCO3	Total	=	442	mg/L	EPA 200.7	0.0894	0.662	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	5/31/2018 7:53:00 PM	MBAS	n/a	<	0.019	mg/L	SM 5540 C	0.019	0.05	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/12/2018 2:26:00 PM	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/5/2018 12:39:00 PM	Specific Conductance	n/a	=	1800	µmhos/cm	SM 2510 B	0.47	4	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	5/31/2018 7:33:00 PM	Total Chlorine Residual	n/a	=	0.066	mg/L	SM 4500-Cl G	0.0015	0.05	WKL	EST-HT
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/5/2018 6:00:00 PM	Total Dissolved Solids	n/a	=	1100	mg/L	SM 2540 C	4	10	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/5/2018 12:33:00 PM	Total Organic Carbon	n/a	=	5.9	mg/L	SM 5310 B	0.016	0.1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/4/2018 8:07:00 PM	Total Suspended Solids	n/a	=	15	mg/L	SM 2540 D	-88	5	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	5/31/2018 1:08:00 PM	Turbidity	n/a	=	5.8	NTU	EPA 180.1	0.024	0.1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/4/2018 8:17:00 PM	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/4/2018 6:47:00 PM	Diesel Range Organics	n/a	DNQ	0.068	mg/L	EPA 8015D	0.024	0.1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/4/2018 6:47:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/8/2018 4:17:00 PM	Aluminum	Dissolved	=	6.1	µg/L	EPA 200.8	1.3	5	WKL	UL-MB
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/8/2018 2:58:00 PM	Aluminum	Total	=	260	µg/L	EPA 200.8	1.3	5	WKL	HB-MSR
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/8/2018 4:17:00 PM	Antimony	Dissolved	DNQ	0.43	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/8/2018 2:58:00 PM	Antimony	Total	DNQ	0.43	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/8/2018 4:17:00 PM	Arsenic	Dissolved	=	5.1	µg/L	EPA 200.8	0.074	0.4	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/8/2018 2:58:00 PM	Arsenic	Total	=	5.1	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/8/2018 2:58:00 PM	Barium	Total	=	40	µg/L	EPA 200.8	0.071	0.5	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/8/2018 4:17:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/8/2018 2:58:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/8/2018 4:17:00 PM	Cadmium	Dissolved	=	0.36	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/8/2018 2:58:00 PM	Cadmium	Total	=	0.38	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/13/2018 5:59:00 PM	Chromium	Dissolved	DNQ	0.19	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/13/2018 6:03:00 PM	Chromium	Total	=	0.76	µg/L	EPA 200.8	0.035	0.2	WKL	UL-MB
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/7/2018 4:32:00 PM	Chromium VI	n/a	=	0.1	µg/L	EPA 218.6	0.024	0.1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/13/2018 5:59:00 PM	Copper	Dissolved	=	3.3	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/13/2018 6:03:00 PM	Copper	Total	=	3.6	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/7/2018 11:11:00 AM	Iron	Dissolved	DNQ	5	µg/L	EPA 200.7	1.1	10	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/7/2018 11:28:00 AM	Iron	Total	=	350	µg/L	EPA 200.7	1.1	10	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/8/2018 4:17:00 PM	Lead	Dissolved	DNQ	0.04	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/8/2018 2:58:00 PM	Lead	Total	=	0.29	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/12/2018 4:52:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/12/2018 4:53:00 PM	Mercury	Total	<	17	ng/L	EPA 245.1	17	50	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/8/2018 4:17:00 PM	Nickel	Dissolved	=	9.5	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/8/2018 2:58:00 PM	Nickel	Total	=	10	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/8/2018 4:17:00 PM	Selenium	Dissolved	=	0.64	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/8/2018 2:58:00 PM	Selenium	Total	=	0.64	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/8/2018 4:17:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/8/2018 2:58:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/8/2018 4:17:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/8/2018 2:58:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/8/2018 4:17:00 PM	Zinc	Dissolved	=	9.1	µg/L	EPA 200.8	0.94	5	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/8/2018 2:58:00 PM	Zinc	Total	=	11	µg/L	EPA 200.8	0.94	5	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	5/31/2018 6:42:00 PM	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/1/2018 12:10:00 AM	Nitrate + Nitrite as N	n/a	=	9.7	mg/L	EPA 300.0	0.02	0.11	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/1/2018 12:10:00 AM	Nitrate as N	n/a	=	9.7	mg/L	EPA 300.0	0.02	0.11	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/27/2018 12:01:00 PM	Phosphorus as P	Dissolved	=	3.7	mg/L	EPA 365.1	0.14	1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/20/2018 1:02:00 PM	Phosphorus as P	Total	=	5.7	mg/L	EPA 365.1	0.056	0.4	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/7/2018 4:39:00 PM	TKN	n/a	=	0.2	mg/L	EPA 351.2	0.05	0.1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/8/2018 3:19:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/8/2018 3:19:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/8/2018 3:19:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/8/2018 3:19:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/8/2018 3:19:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/13/2018 3:49:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/12/2018 8:05:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/12/2018 8:05:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/8/2018 3:19:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/12/2018 8:05:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/8/2018 3:19:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/8/2018 3:19:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/12/2018 8:05:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/8/2018 3:19:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/12/2018 8:05:00 PM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/8/2018 3:19:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/8/2018 3:19:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/8/2018 3:19:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/8/2018 3:19:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/12/2018 8:05:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/13/2018 3:49:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/12/2018 8:05:00 PM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/8/2018 3:19:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/12/2018 8:05:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/8/2018 3:19:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/12/2018 8:05:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/18/2018 9:58:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/8/2018 3:19:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/8/2018 3:19:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/8/2018 3:19:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/12/2018 8:05:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/8/2018 3:19:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/8/2018 3:19:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/18/2018 9:58:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/8/2018 3:19:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/13/2018 3:49:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/8/2018 3:19:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/13/2018 3:49:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/13/2018 3:49:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/8/2018 3:19:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/8/2018 3:19:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/13/2018 3:49:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/8/2018 3:19:00 AM	Benzo(a)pyrene	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/8/2018 3:19:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/7/2018 1:53:00 AM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/13/2018 3:49:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/8/2018 3:19:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/13/2018 3:49:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/8/2018 3:19:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/13/2018 3:49:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/8/2018 3:19:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/13/2018 3:49:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/8/2018 3:19:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/8/2018 3:19:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/8/2018 3:19:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/7/2018 1:53:00 AM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/8/2018 3:19:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/7/2018 1:53:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/8/2018 3:19:00 AM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/8/2018 3:19:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/13/2018 3:49:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/13/2018 3:49:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/8/2018 3:19:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/8/2018 3:19:00 AM	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/8/2018 3:19:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/8/2018 3:19:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/8/2018 3:19:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/13/2018 3:49:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/8/2018 3:19:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/8/2018 3:19:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/13/2018 3:49:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/8/2018 3:19:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/8/2018 3:19:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/8/2018 3:19:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/8/2018 3:19:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/8/2018 3:19:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/13/2018 3:49:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/8/2018 3:19:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/8/2018 3:19:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/13/2018 3:49:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/8/2018 3:19:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/8/2018 3:19:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/8/2018 3:19:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/8/2018 3:19:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/8/2018 3:19:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/13/2018 3:49:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/8/2018 3:19:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/12/2018 8:05:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/8/2018 3:19:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/13/2018 3:49:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/11/2018 6:29:00 PM	PCB Aroclor 1016	n/a	<	0.1	µg/L	EPA 608	0.1	1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/11/2018 6:29:00 PM	PCB Aroclor 1221	n/a	<	0.12	µg/L	EPA 608	0.12	1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/11/2018 6:29:00 PM	PCB Aroclor 1232	n/a	<	0.3	µg/L	EPA 608	0.3	1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/11/2018 6:29:00 PM	PCB Aroclor 1242	n/a	<	0.14	µg/L	EPA 608	0.14	1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/11/2018 6:29:00 PM	PCB Aroclor 1248	n/a	<	0.12	µg/L	EPA 608	0.12	1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/11/2018 6:29:00 PM	PCB Aroclor 1254	n/a	<	0.08	µg/L	EPA 608	0.08	1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/11/2018 6:29:00 PM	PCB Aroclor 1260	n/a	<	0.08	µg/L	EPA 608	0.08	1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/12/2018 6:57:00 PM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/12/2018 6:57:00 PM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/12/2018 6:57:00 PM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/12/2018 6:57:00 PM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/12/2018 6:57:00 PM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/11/2018 6:29:00 PM	4,4'-DDD	n/a	<	0.006	µg/L	EPA 608	0.006	0.1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/11/2018 6:29:00 PM	4,4'-DDE	n/a	DNQ	0.009	µg/L	EPA 608	0.005	0.1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/11/2018 6:29:00 PM	4,4'-DDT	n/a	<	0.0062	µg/L	EPA 608	0.0062	0.02	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/12/2018 6:57:00 PM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/7/2018 1:53:00 AM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/11/2018 6:29:00 PM	Aldrin	n/a	<	0.003	µg/L	EPA 608	0.003	0.01	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/11/2018 6:29:00 PM	alpha-BHC	n/a	<	0.0036	µg/L	EPA 608	0.0036	0.02	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/11/2018 6:29:00 PM	alpha-Chlordane	n/a	<	0.0082	µg/L	EPA 608	0.0082	0.02	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/7/2018 1:53:00 AM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/13/2018 9:24:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/12/2018 6:57:00 PM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/11/2018 6:29:00 PM	beta-BHC	n/a	<	0.0062	µg/L	EPA 608	0.0062	0.01	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/13/2018 9:24:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/7/2018 1:53:00 AM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/7/2018 1:53:00 AM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/7/2018 1:53:00 AM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/11/2018 6:29:00 PM	Chlordane (technical)	n/a	<	0.16	µg/L	EPA 608	0.16	0.2	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/7/2018 1:53:00 AM	Chloropropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/13/2018 9:24:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	EST-MSRPD
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/13/2018 9:24:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/7/2018 1:53:00 AM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/12/2018 6:57:00 PM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/12/2018 6:57:00 PM	DCPA (Dacthal)	n/a	=	1.2	µg/L	EPA 515.3	0.07	0.1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/11/2018 6:29:00 PM	delta-BHC	n/a	<	0.005	µg/L	EPA 608	0.005	0.01	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/13/2018 9:24:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/13/2018 9:24:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/13/2018 9:24:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/7/2018 1:53:00 AM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/12/2018 6:57:00 PM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/12/2018 6:57:00 PM	Dichloroprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/13/2018 9:24:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/11/2018 6:29:00 PM	Dieldrin	n/a	<	0.0042	µg/L	EPA 608	0.0042	0.02	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/7/2018 1:53:00 AM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/13/2018 9:24:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/12/2018 6:57:00 PM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/7/2018 1:53:00 AM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/7/2018 1:53:00 AM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/13/2018 9:24:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/11/2018 6:29:00 PM	Endosulfan I	n/a	<	0.0034	µg/L	EPA 608	0.0034	0.04	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/11/2018 6:29:00 PM	Endosulfan II	n/a	<	0.0038	µg/L	EPA 608	0.0038	0.02	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/11/2018 6:29:00 PM	Endosulfan sulfate	n/a	<	0.016	µg/L	EPA 608	0.016	0.1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/11/2018 6:29:00 PM	Endrin	n/a	<	0.0056	µg/L	EPA 608	0.0056	0.02	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/11/2018 6:29:00 PM	Endrin aldehyde	n/a	<	0.006	µg/L	EPA 608	0.006	0.02	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/7/2018 1:53:00 AM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/13/2018 9:24:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/13/2018 9:24:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	EST-MSRPD
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/13/2018 9:24:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/13/2018 9:24:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	EST-MSRPD
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/11/2018 6:29:00 PM	gamma-BHC (Lindane)	n/a	<	0.0042	µg/L	EPA 608	0.0042	0.04	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/11/2018 6:29:00 PM	gamma-Chlordane	n/a	<	0.0088	µg/L	EPA 608	0.0088	0.02	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/2/2018 6:12:00 AM	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/11/2018 6:29:00 PM	Heptachlor	n/a	<	0.0034	µg/L	EPA 608	0.0034	0.02	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/11/2018 6:29:00 PM	Heptachlor epoxide	n/a	<	0.0038	µg/L	EPA 608	0.0038	0.02	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/13/2018 9:24:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	EST-MSRPD
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/13/2018 9:24:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/11/2018 6:29:00 PM	Methoxychlor	n/a	<	0.011	µg/L	EPA 608	0.011	0.04	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/13/2018 9:24:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	EST-MSRPD

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/7/2018 1:53:00 AM	Metolachlor	n/a	=	1.1	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/7/2018 1:53:00 AM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/13/2018 9:24:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/7/2018 1:53:00 AM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/13/2018 9:24:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/12/2018 6:57:00 PM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/8/2018 3:19:00 AM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/18/2018 9:58:00 PM	Pentachlorophenol	n/a	DNQ	0.4	µg/L	EPA 8270C	0.15	1	WKL	HB-LCSR
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/13/2018 9:24:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/12/2018 6:57:00 PM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/7/2018 1:53:00 AM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/7/2018 1:53:00 AM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/13/2018 9:24:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/7/2018 1:53:00 AM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/13/2018 9:24:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	EST-MSRPD
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/7/2018 1:53:00 AM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/7/2018 1:53:00 AM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/13/2018 9:24:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/11/2018 6:29:00 PM	Toxaphene	n/a	<	0.24	µg/L	EPA 608	0.24	1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/13/2018 9:24:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	EST-MSRPD
ME-CC	2017/18-5	Dry	5/30/2018 10:45:00 AM	6/7/2018 1:53:00 AM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:55:00 AM	5/31/2018 8:00:00 AM	E. Coli	n/a	=	173	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-CC	2017/18-5	Dry	5/30/2018 10:55:00 AM	5/31/2018 8:00:00 AM	Total Coliform	n/a	=	19863	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-CC	2017/18-5	Dry	5/30/2018 10:55:00 AM	5/30/2018 10:55:00 AM	Conductivity	n/a	=	1635	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-CC	2017/18-5	Dry	5/30/2018 10:55:00 AM	6/7/2018 6:23:00 PM	Cyanide	Total	DNQ	0.001	mg/L	ASTM D7511	0.0005	0.002	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:55:00 AM	5/30/2018 10:55:00 AM	DO	n/a	=	5.35	mg/L	Field Meter	-88	0.3	Field Crew	
ME-CC	2017/18-5	Dry	5/30/2018 10:55:00 AM	5/30/2018 10:55:00 AM	DO	n/a	=	59.4	%	Field Meter	-88	0.1	Field Crew	
ME-CC	2017/18-5	Dry	5/30/2018 10:55:00 AM	5/30/2018 10:55:00 AM	pH	n/a	=	7.95	pH Units	Field Meter	-88	0.01	Field Crew	
ME-CC	2017/18-5	Dry	5/30/2018 10:55:00 AM	5/30/2018 10:55:00 AM	Salinity	n/a	=	900	mg/L	Field Meter	-88	100	Field Crew	
ME-CC	2017/18-5	Dry	5/30/2018 10:55:00 AM	5/30/2018 10:55:00 AM	Specific Conductance	n/a	=	1815	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-CC	2017/18-5	Dry	5/30/2018 10:55:00 AM	5/30/2018 10:55:00 AM	Temperature	n/a	=	19.8	°C	Field Meter	-88	0.1	Field Crew	
ME-CC	2017/18-5	Dry	5/30/2018 10:55:00 AM	5/31/2018 3:53:00 PM	Gasoline Range Organics	n/a	<	0.012	mg/L	LUFT GC/MS	0.012	0.1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:55:00 AM	5/31/2018 5:55:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:55:00 AM	6/4/2018 6:29:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
ME-CC	2017/18-5	Dry	5/30/2018 10:55:00 AM	6/4/2018 6:29:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/15/2018 1:00:00 PM	Chloride	n/a	=	200	mg/L	EPA 300.0	2	10	WKL	HB-MSR
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/15/2018 1:00:00 PM	Fluoride	n/a	=	0.55	mg/L	EPA 300.0	0.02	0.1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/20/2018 10:17:00 AM	Perchlorate	n/a	<	4.8	µg/L	EPA 314.0	4.8	10	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/15/2018 1:00:00 PM	Sulfate	Total	=	1100	mg/L	EPA 300.0	2	10	WKL	HB-MSR
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/10/2018 8:30:00 AM	E. Coli	n/a	=	3873	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/12/2018 2:30:00 PM	Fecal Coliform	n/a	=	9200	MPN/100 mL	SM 9221 E	2	2	VCHCA	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/10/2018 8:30:00 AM	Total Coliform	n/a	=	11199	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/16/2018 8:13:00 PM	Calcium	Total	=	330	mg/L	EPA 200.7	0.016	0.1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/16/2018 8:13:00 PM	Magnesium	Total	=	146	mg/L	EPA 200.7	0.012	0.1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/17/2018 1:39:00 PM	Potassium	Total	=	20	mg/L	EPA 200.7	0.081	0.1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/16/2018 8:13:00 PM	Sodium	Total	=	300	mg/L	EPA 200.7	0.015	0.5	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/15/2018 1:41:00 PM	Alkalinity as CaCO3	n/a	=	240	mg/L	SM 2320 B	0.56	2	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/15/2018 9:30:00 PM	BOD	n/a	=	12	mg/L	SM 5210 B	2	2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/18/2018 12:35:00 PM	COD	n/a	=	20	mg/L	EPA 410.4	0.73	5	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/9/2018 12:45:00 PM	Conductivity	n/a	=	2484	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/16/2018 6:51:00 PM	Cyanide	Total	<	0.0005	mg/L	ASTM D7511	0.0005	0.002	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/22/2018 4:21:00 PM	Dissolved Inorganic Carbon	Dissolved	=	58	mg/L	SM 5310 B	0.5	0.5	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/15/2018 12:47:00 PM	Dissolved Organic Carbon	Dissolved	=	8.8	mg/L	SM 5310 B	0.016	0.1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/9/2018 12:45:00 PM	DO	n/a	=	83.2	%	Field Meter	-88	0.1	Field Crew	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/9/2018 12:45:00 PM	DO	n/a	=	8.13	mg/L	Field Meter	-88	0.3	Field Crew	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/16/2018 8:13:00 PM	Hardness as CaCO3	Total	=	1420	mg/L	EPA 200.7	0.0894	0.662	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/10/2018 11:03:00 PM	MBAS	n/a	DNQ	0.045	mg/L	SM 5540 C	0.019	0.05	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/9/2018 12:45:00 PM	pH	n/a	=	7.64	pH Units	Field Meter	-88	0.01	Field Crew	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/19/2018 10:16:00 AM	Phenolics	n/a	=	0.018	mg/L	EPA 420.4	0.0042	0.01	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/9/2018 12:45:00 PM	Salinity	n/a	=	1600	mg/L	Field Meter	-88	100	Field Crew	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/9/2018 12:45:00 PM	Specific Conductance	n/a	=	3096	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/15/2018 5:11:00 PM	Specific Conductance	n/a	=	4100	µmhos/cm	SM 2510 B	0.94	8	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/9/2018 12:45:00 PM	Temperature	n/a	=	14.9	°C	Field Meter	-88	0.1	Field Crew	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/15/2018 7:29:00 PM	Total Dissolved Solids	n/a	=	2700	mg/L	SM 2540 C	4	10	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/11/2018 10:27:00 AM	Total Organic Carbon	n/a	=	8.2	mg/L	SM 5310 B	0.016	0.1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/12/2018 1:05:00 PM	Total Suspended Solids	n/a	=	7600	mg/L	SM 2540 D	-88	5	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/10/2018 4:17:00 PM	Turbidity	n/a	=	34	NTU	EPA 180.1	0.024	0.1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/12/2018 1:05:00 PM	Volatile Suspended Solids	n/a	=	1200	mg/L	EPA 160.4	3.1	5	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/23/2018 9:13:00 PM	Diesel Range Organics	n/a	DNQ	0.041	mg/L	EPA 8015D	0.024	0.1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/18/2018 4:36:00 AM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/19/2018 5:44:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/23/2018 9:13:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/24/2018 8:57:00 PM	Aluminum	Dissolved	DNQ	2.3	µg/L	EPA 200.8	1.3	5	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/24/2018 9:04:00 PM	Aluminum	Total	=	120	µg/L	EPA 200.8	1.3	5	WKL	HB-MSR
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/24/2018 8:57:00 PM	Antimony	Dissolved	DNQ	0.42	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/24/2018 9:04:00 PM	Antimony	Total	DNQ	0.4	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/24/2018 8:57:00 PM	Arsenic	Dissolved	=	1.8	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/24/2018 9:04:00 PM	Arsenic	Total	=	2.1	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/24/2018 9:04:00 PM	Barium	Total	=	78	µg/L	EPA 200.8	0.071	0.5	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/24/2018 8:57:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/24/2018 9:04:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/24/2018 8:57:00 PM	Cadmium	Dissolved	=	0.13	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/24/2018 9:04:00 PM	Cadmium	Total	=	0.15	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/24/2018 8:57:00 PM	Chromium	Dissolved	<	0.035	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/24/2018 9:04:00 PM	Chromium	Total	=	0.22	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/12/2018 7:50:00 PM	Chromium VI	n/a	=	0.25	µg/L	EPA 218.6	0.0048	0.02	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/24/2018 8:57:00 PM	Copper	Dissolved	=	0.57	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/24/2018 9:04:00 PM	Copper	Total	=	0.86	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/16/2018 7:41:00 PM	Iron	Dissolved	=	15	µg/L	EPA 200.7	1.1	10	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/16/2018 8:13:00 PM	Iron	Total	=	340	µg/L	EPA 200.7	1.1	10	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/24/2018 8:57:00 PM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/24/2018 9:04:00 PM	Lead	Total	=	0.24	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/23/2018 1:59:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/23/2018 1:58:00 PM	Mercury	Total	<	17	ng/L	EPA 245.1	17	50	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/24/2018 8:57:00 PM	Nickel	Dissolved	=	5.3	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/24/2018 9:04:00 PM	Nickel	Total	=	5.7	µg/L	EPA 200.8	0.045	0.8	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/24/2018 8:57:00 PM	Selenium	Dissolved	=	1.2	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/24/2018 9:04:00 PM	Selenium	Total	=	1.2	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/24/2018 8:57:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/24/2018 9:04:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/24/2018 8:57:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/24/2018 9:04:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/24/2018 8:57:00 PM	Zinc	Dissolved	DNQ	1.7	µg/L	EPA 200.8	0.94	5	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/24/2018 9:04:00 PM	Zinc	Total	DNQ	2.8	µg/L	EPA 200.8	0.94	5	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/19/2018 4:44:00 PM	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/15/2018 12:11:00 PM	Nitrate + Nitrite as N	n/a	<	0.083	mg/L	EPA 353.2	0.083	0.2	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/15/2018 6:20:00 PM	Phosphorus as P	Dissolved	=	0.022	mg/L	EPA 365.1	0.0014	0.01	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/16/2018 11:21:00 AM	Phosphorus as P	Total	=	0.056	mg/L	EPA 365.1	0.0014	0.01	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/26/2018 5:19:00 PM	TKN	n/a	=	0.77	mg/L	EPA 351.2	0.05	0.1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/15/2018 6:32:00 PM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/15/2018 6:32:00 PM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/15/2018 6:32:00 PM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/15/2018 6:32:00 PM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/15/2018 6:32:00 PM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	2/1/2018 8:03:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/29/2018 2:49:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/29/2018 2:49:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	EST-LCSRPD
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/15/2018 6:32:00 PM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/15/2018 6:32:00 PM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/29/2018 2:49:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	EST-LCSRPD
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/15/2018 6:32:00 PM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/29/2018 2:49:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	EST-LCSRPD
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/15/2018 6:32:00 PM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	EST-LCSRPD
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/29/2018 2:49:00 PM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/15/2018 6:32:00 PM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/15/2018 6:32:00 PM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/12/2018 1:41:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/15/2018 6:32:00 PM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/15/2018 6:32:00 PM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/29/2018 2:49:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	2/1/2018 8:03:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/29/2018 2:49:00 PM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/29/2018 2:49:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	EST-LCSRPD
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/15/2018 6:32:00 PM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/15/2018 6:32:00 PM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	EST-LCSRPD
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/29/2018 2:49:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/29/2018 2:49:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/15/2018 6:32:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	EST-LCSRPD
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/15/2018 6:32:00 PM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	EST-LCSRPD
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/29/2018 2:49:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/15/2018 6:32:00 PM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/15/2018 6:32:00 PM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/15/2018 6:32:00 PM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/29/2018 2:49:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/15/2018 6:32:00 PM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	2/1/2018 8:03:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/15/2018 6:32:00 PM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	2/1/2018 8:03:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/15/2018 6:32:00 PM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	2/1/2018 8:03:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	2/1/2018 8:03:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/15/2018 6:32:00 PM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	EST-LCSRPD
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/15/2018 6:32:00 PM	Benidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/15/2018 6:32:00 PM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/23/2018 4:14:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	2/1/2018 8:03:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/15/2018 6:32:00 PM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	2/1/2018 8:03:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/15/2018 6:32:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	2/1/2018 8:03:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/15/2018 6:32:00 PM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/15/2018 6:32:00 PM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	EST-LCSRPD
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/15/2018 6:32:00 PM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/15/2018 6:32:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/23/2018 4:14:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/15/2018 6:32:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	EST-LCSRPD
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/23/2018 4:14:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/15/2018 6:32:00 PM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	EST-LCSRPD
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/15/2018 6:32:00 PM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	2/1/2018 8:03:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	2/1/2018 8:03:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/15/2018 6:32:00 PM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/15/2018 6:32:00 PM	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/15/2018 6:32:00 PM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/15/2018 6:32:00 PM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/15/2018 6:32:00 PM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/15/2018 6:32:00 PM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	2/1/2018 8:03:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	EST-LCSRPD
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/15/2018 6:32:00 PM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	2/1/2018 8:03:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/15/2018 6:32:00 PM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	EST-LCSRPD
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/15/2018 6:32:00 PM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/15/2018 6:32:00 PM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/15/2018 6:32:00 PM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	2/1/2018 8:03:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/15/2018 6:32:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/15/2018 6:32:00 PM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/12/2018 1:41:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	2/1/2018 8:03:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/15/2018 6:32:00 PM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/15/2018 6:32:00 PM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/15/2018 6:32:00 PM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/15/2018 6:32:00 PM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/15/2018 6:32:00 PM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	2/1/2018 8:03:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/15/2018 6:32:00 PM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/15/2018 6:32:00 PM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/29/2018 2:49:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	2/1/2018 8:03:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/15/2018 6:32:00 PM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	EST-LCSRPD
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/22/2018 10:48:00 PM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/22/2018 10:48:00 PM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/22/2018 10:48:00 PM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/22/2018 10:48:00 PM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/22/2018 10:48:00 PM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/22/2018 10:48:00 PM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/22/2018 10:48:00 PM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/12/2018 10:19:00 PM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/12/2018 10:19:00 PM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/12/2018 10:19:00 PM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/12/2018 10:19:00 PM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/12/2018 10:19:00 PM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/22/2018 10:48:00 PM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/22/2018 10:48:00 PM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/22/2018 10:48:00 PM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/12/2018 10:19:00 PM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/23/2018 4:14:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/22/2018 10:48:00 PM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/22/2018 10:48:00 PM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/22/2018 10:48:00 PM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/23/2018 4:14:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	2/2/2018 9:28:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/12/2018 10:19:00 PM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/22/2018 10:48:00 PM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	2/2/2018 9:28:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/23/2018 4:14:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/23/2018 4:14:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/23/2018 4:14:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/22/2018 10:48:00 PM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/23/2018 4:14:00 PM	Chloropropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	2/2/2018 9:28:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	2/2/2018 9:28:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/23/2018 4:14:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/12/2018 10:19:00 PM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/12/2018 10:19:00 PM	DCPA (Dacthal)	n/a	=	0.28	µg/L	EPA 515.3	0.07	0.1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/22/2018 10:48:00 PM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	2/2/2018 9:28:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	2/2/2018 9:28:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	2/2/2018 9:28:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/23/2018 4:14:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/12/2018 10:19:00 PM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/12/2018 10:19:00 PM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	2/2/2018 9:28:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/22/2018 10:48:00 PM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	2/6/2018 5:37:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/23/2018 4:14:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/12/2018 10:19:00 PM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/23/2018 4:14:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/23/2018 4:14:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	2/2/2018 9:28:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/22/2018 10:48:00 PM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/22/2018 10:48:00 PM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/22/2018 10:48:00 PM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/22/2018 10:48:00 PM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/22/2018 10:48:00 PM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/23/2018 4:14:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	2/2/2018 9:28:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	2/2/2018 9:28:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	2/2/2018 9:28:00 PM	Fensulfotthion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	2/2/2018 9:28:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/22/2018 10:48:00 PM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/22/2018 10:48:00 PM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/10/2018 7:19:00 PM	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/22/2018 10:48:00 PM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/22/2018 10:48:00 PM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	2/2/2018 9:28:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	2/2/2018 9:28:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/22/2018 10:48:00 PM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	2/2/2018 9:28:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/23/2018 4:14:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/23/2018 4:14:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	2/2/2018 9:28:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/23/2018 4:14:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	2/2/2018 9:28:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/12/2018 10:19:00 PM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/15/2018 6:32:00 PM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	EST-LCSRPD
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/29/2018 12:49:00 PM	Pentachlorophenol	n/a	DNQ	0.45	µg/L	EPA 8270C	0.15	1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	2/2/2018 9:28:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/12/2018 10:19:00 PM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/23/2018 4:14:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	EST-LCSRPD
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/23/2018 4:14:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	2/2/2018 9:28:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/23/2018 4:14:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	2/2/2018 9:28:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/23/2018 4:14:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/23/2018 4:14:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	2/2/2018 9:28:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/22/2018 10:48:00 PM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	2/2/2018 9:28:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-SCR	2017/18-1	Wet	1/9/2018 12:45:00 PM	1/23/2018 4:14:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-SCR	2017/18-2	Wet	3/2/2018 10:00:00 AM	3/3/2018 7:00:00 AM	E. Coli	n/a	=	31	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-SCR	2017/18-2	Wet	3/2/2018 10:00:00 AM	3/5/2018 10:30:00 AM	Fecal Coliform	n/a	=	79	MPN/100 mL	SM 9221 E	2	2	VCHCA	
ME-SCR	2017/18-2	Wet	3/2/2018 10:00:00 AM	3/3/2018 7:00:00 AM	Total Coliform	n/a	=	6131	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-SCR	2017/18-2	Wet	3/2/2018 10:00:00 AM	3/2/2018 10:00:00 AM	Conductivity	n/a	=	1933	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-SCR	2017/18-2	Wet	3/2/2018 10:00:00 AM	3/7/2018 4:36:00 PM	Cyanide	Total	<	0.0005	mg/L	ASTM D7511	0.0005	0.002	WKL	
ME-SCR	2017/18-2	Wet	3/2/2018 10:00:00 AM	3/2/2018 10:00:00 AM	DO	n/a	=	10.41	mg/L	Field Meter	-88	0.3	Field Crew	
ME-SCR	2017/18-2	Wet	3/2/2018 10:00:00 AM	3/2/2018 10:00:00 AM	DO	n/a	=	96.8	%	Field Meter	-88	0.1	Field Crew	
ME-SCR	2017/18-2	Wet	3/2/2018 10:00:00 AM	3/2/2018 10:00:00 AM	pH	n/a	=	7.71	pH Units	Field Meter	-88	0.01	Field Crew	
ME-SCR	2017/18-2	Wet	3/2/2018 10:00:00 AM	3/2/2018 10:00:00 AM	Salinity	n/a	=	1300	mg/L	Field Meter	-88	100	Field Crew	
ME-SCR	2017/18-2	Wet	3/2/2018 10:00:00 AM	3/2/2018 10:00:00 AM	Specific Conductance	n/a	=	2480	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-SCR	2017/18-2	Wet	3/2/2018 10:00:00 AM	3/2/2018 10:00:00 AM	Temperature	n/a	=	13.5	°C	Field Meter	-88	0.1	Field Crew	
ME-SCR	2017/18-2	Wet	3/2/2018 10:00:00 AM	3/5/2018 7:02:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
ME-SCR	2017/18-2	Wet	3/2/2018 10:00:00 AM	3/13/2018 5:21:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
ME-SCR	2017/18-2	Wet	3/2/2018 10:00:00 AM	3/5/2018 4:09:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
ME-SCR	2017/18-2	Wet	3/2/2018 10:00:00 AM	3/5/2018 10:00:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/15/2018 7:00:00 PM	Chloride	n/a	=	150	mg/L	EPA 300.0	0.5	2.5	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/15/2018 7:00:00 PM	Fluoride	n/a	DNQ	0.48	mg/L	EPA 300.0	0.1	0.5	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/5/2018 4:18:00 PM	Perchlorate	n/a	<	2.8	µg/L	EPA 314.0	2.8	6	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/15/2018 7:00:00 PM	Sulfate	Total	=	1100	mg/L	EPA 300.0	2.5	12	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/19/2018 3:38:00 PM	Calcium	Total	=	265	mg/L	EPA 200.7	0.032	0.2	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/19/2018 3:38:00 PM	Magnesium	Total	=	129	mg/L	EPA 200.7	0.024	0.2	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/19/2018 3:38:00 PM	Potassium	Total	=	29	mg/L	EPA 200.7	0.16	0.2	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/19/2018 3:38:00 PM	Sodium	Total	=	200	mg/L	EPA 200.7	0.03	1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/5/2018 3:47:00 PM	Alkalinity as CaCO3	n/a	=	210	mg/L	SM 2320 B	0.56	2	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/9/2018 12:10:00 PM	BOD	n/a	=	7	mg/L	SM 5210 B	2	2	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/13/2018 9:29:00 AM	COD	n/a	=	220	mg/L	EPA 410.4	0.73	5	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/13/2018 12:33:00 PM	Dissolved Inorganic Carbon	Dissolved	=	52	mg/L	SM 5310 B	0.5	0.5	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/9/2018 8:50:00 AM	Dissolved Organic Carbon	Dissolved	=	9.6	mg/L	SM 5310 B	0.016	0.1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/19/2018 3:38:00 PM	Hardness as CaCO3	Total	=	1190	mg/L	EPA 200.7	0.179	1.32	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/4/2018 7:25:00 PM	MBAS	n/a	=	0.054	mg/L	SM 5540 C	0.019	0.05	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/20/2018 3:40:00 PM	Phenolics	n/a	=	0.019	mg/L	EPA 420.4	0.0042	0.01	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/7/2018 4:04:00 PM	Specific Conductance	n/a	=	2900	µmhos/cm	SM 2510 B	0.7	6	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/8/2018 5:49:00 PM	Total Dissolved Solids	n/a	=	2100	mg/L	SM 2540 C	4	10	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/12/2018 10:51:00 AM	Total Organic Carbon	n/a	=	9	mg/L	SM 5310 B	0.016	0.1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/8/2018 5:55:00 PM	Total Suspended Solids	n/a	=	4300	mg/L	SM 2540 D	-88	5	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/4/2018 11:49:00 AM	Turbidity	n/a	=	250	NTU	EPA 180.1	0.24	1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/8/2018 5:55:00 PM	Volatile Suspended Solids	n/a	=	380	mg/L	EPA 160.4	3.1	5	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/15/2018 8:22:00 PM	Diesel Range Organics	n/a	=	0.21	mg/L	EPA 8015D	0.024	0.1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/15/2018 8:22:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/19/2018 1:09:00 PM	Aluminum	Dissolved	DNQ	2.7	µg/L	EPA 200.8	1.3	5	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/19/2018 3:39:00 PM	Aluminum	Total	=	47000	µg/L	EPA 200.8	26	100	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/20/2018 12:36:00 PM	Antimony	Dissolved	DNQ	0.34	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/20/2018 12:39:00 PM	Antimony	Total	DNQ	0.5	µg/L	EPA 200.8	0.09	1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/19/2018 1:09:00 PM	Arsenic	Dissolved	=	0.86	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/19/2018 1:13:00 PM	Arsenic	Total	=	27	µg/L	EPA 200.8	0.15	0.8	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/19/2018 1:13:00 PM	Barium	Total	=	770	µg/L	EPA 200.8	0.14	1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/20/2018 12:36:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/20/2018 12:39:00 PM	Beryllium	Total	=	2.8	µg/L	EPA 200.8	0.066	0.2	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/19/2018 1:09:00 PM	Cadmium	Dissolved	=	0.21	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/19/2018 1:13:00 PM	Cadmium	Total	=	7.5	µg/L	EPA 200.8	0.082	0.2	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/19/2018 1:09:00 PM	Chromium	Dissolved	DNQ	0.1	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/19/2018 1:13:00 PM	Chromium	Total	=	120	µg/L	EPA 200.8	0.07	0.4	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/11/2018 1:49:00 PM	Chromium VI	n/a	DNQ	0.069	µg/L	EPA 218.6	0.024	0.1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/19/2018 1:09:00 PM	Copper	Dissolved	=	1.7	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/19/2018 1:13:00 PM	Copper	Total	=	100	µg/L	EPA 200.8	0.26	1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/19/2018 2:54:00 PM	Iron	Dissolved	<	1.1	µg/L	EPA 200.7	1.1	10	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/19/2018 3:38:00 PM	Iron	Total	=	95000	µg/L	EPA 200.7	2.2	20	WKL	LB-MSR
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/19/2018 1:09:00 PM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/19/2018 1:13:00 PM	Lead	Total	=	32	µg/L	EPA 200.8	0.062	0.4	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/15/2018 1:27:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/15/2018 1:28:00 PM	Mercury	Total	=	140	ng/L	EPA 245.1	17	50	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/19/2018 1:09:00 PM	Nickel	Dissolved	=	5.7	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/19/2018 1:13:00 PM	Nickel	Total	=	170	µg/L	EPA 200.8	0.09	1.6	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/19/2018 1:09:00 PM	Selenium	Dissolved	=	2.4	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/19/2018 3:43:00 PM	Selenium	Total	=	7.6	µg/L	EPA 200.8	0.28	0.8	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/19/2018 1:09:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/19/2018 1:13:00 PM	Silver	Total	=	0.6	µg/L	EPA 200.8	0.12	0.4	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/19/2018 1:09:00 PM	Thallium	Dissolved	DNQ	0.023	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/19/2018 1:13:00 PM	Thallium	Total	=	1.2	µg/L	EPA 200.8	0.028	0.4	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/19/2018 1:09:00 PM	Zinc	Dissolved	DNQ	1.1	µg/L	EPA 200.8	0.94	5	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/19/2018 1:13:00 PM	Zinc	Total	=	360	µg/L	EPA 200.8	1.9	10	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/14/2018 6:29:00 PM	Ammonia as N	n/a	=	0.26	mg/L	EPA 350.1	0.048	0.1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/5/2018 4:14:00 PM	Nitrate + Nitrite as N	n/a	=	0.26	mg/L	EPA 353.2	0.083	0.2	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/19/2018 12:33:00 PM	Phosphorus as P	Dissolved	=	0.034	mg/L	EPA 365.1	0.0014	0.01	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/16/2018 11:55:00 AM	Phosphorus as P	Total	=	3.8	mg/L	EPA 365.1	0.056	0.4	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/19/2018 3:16:00 PM	TKN	n/a	=	6.8	mg/L	EPA 351.2	0.2	0.4	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/15/2018 1:59:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/15/2018 1:59:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/15/2018 1:59:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/15/2018 1:59:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/15/2018 1:59:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/20/2018 5:27:00 AM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/26/2018 2:53:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/15/2018 1:59:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/26/2018 2:53:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/15/2018 1:59:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/26/2018 2:53:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/26/2018 2:53:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	LCSRPD, LB-L
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/15/2018 1:59:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	EST-LCSRPD
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/26/2018 2:53:00 PM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/15/2018 1:59:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/15/2018 1:59:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/15/2018 1:59:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	

Appendix G
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Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/15/2018 1:59:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/15/2018 1:59:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/26/2018 2:53:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/20/2018 5:27:00 AM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/26/2018 2:53:00 PM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/26/2018 2:53:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/15/2018 1:59:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/15/2018 1:59:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/26/2018 2:53:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/26/2018 2:53:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/15/2018 1:59:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/15/2018 1:59:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/26/2018 2:53:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/15/2018 1:59:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/15/2018 1:59:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/26/2018 2:53:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/15/2018 1:59:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/15/2018 1:59:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/20/2018 5:27:00 AM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/20/2018 5:27:00 AM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/15/2018 1:59:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/20/2018 5:27:00 AM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/15/2018 1:59:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/15/2018 1:59:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/20/2018 5:27:00 AM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/15/2018 1:59:00 AM	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/20/2018 12:36:00 AM	Benzo(a)pyrene	n/a	<	0.35	µg/L	EPA 525.2	0.35	0.5	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/15/2018 1:59:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/20/2018 5:27:00 AM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/15/2018 1:59:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/20/2018 5:27:00 AM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/15/2018 1:59:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/20/2018 5:27:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/20/2018 5:27:00 AM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/15/2018 1:59:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/15/2018 1:59:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/15/2018 1:59:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/15/2018 1:59:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/20/2018 12:36:00 AM	Bis(2-ethylhexyl)adipate	n/a	<	0.52	µg/L	EPA 525.2	0.52	25	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/20/2018 12:36:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	5.3	µg/L	EPA 525.2	5.3	15	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/15/2018 1:59:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/15/2018 1:59:00 AM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/20/2018 5:27:00 AM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/15/2018 1:59:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/20/2018 5:27:00 AM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/15/2018 1:59:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/15/2018 1:59:00 AM	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/15/2018 1:59:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/15/2018 1:59:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/15/2018 1:59:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/15/2018 1:59:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/20/2018 5:27:00 AM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/20/2018 5:27:00 AM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/15/2018 1:59:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/15/2018 1:59:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/15/2018 1:59:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/15/2018 1:59:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/15/2018 1:59:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/20/2018 5:27:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/15/2018 1:59:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/15/2018 1:59:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/20/2018 5:27:00 AM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/15/2018 1:59:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/15/2018 1:59:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/15/2018 1:59:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/15/2018 1:59:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/15/2018 1:59:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/15/2018 1:59:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/20/2018 5:27:00 AM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/15/2018 1:59:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/26/2018 2:53:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/15/2018 1:59:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/20/2018 5:27:00 AM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/20/2018 1:17:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/20/2018 1:17:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/20/2018 1:17:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/20/2018 1:17:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/20/2018 1:17:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/20/2018 1:17:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/20/2018 1:17:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/13/2018 1:54:00 PM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/13/2018 1:54:00 PM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/13/2018 1:54:00 PM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/13/2018 1:54:00 PM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/13/2018 1:54:00 PM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/20/2018 1:17:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/20/2018 1:17:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/20/2018 1:17:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/13/2018 1:54:00 PM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/20/2018 12:36:00 AM	Alachlor	n/a	<	0.11	µg/L	EPA 525.2	0.11	0.5	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/20/2018 1:17:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/20/2018 1:17:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/20/2018 1:17:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/20/2018 7:36:00 AM	Atrazine	n/a	<	0.17	µg/L	EPA 525.2	0.17	0.5	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/9/2018 1:38:00 AM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/13/2018 1:54:00 PM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/20/2018 1:17:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/9/2018 1:38:00 AM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/20/2018 12:36:00 AM	Bromacil	n/a	<	0.19	µg/L	EPA 525.2	0.19	5	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/20/2018 12:36:00 AM	Butachlor	n/a	<	0.085	µg/L	EPA 525.2	0.085	1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/20/2018 12:36:00 AM	Captan	n/a	<	4.3	µg/L	EPA 525.2	4.3	5	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/20/2018 1:17:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/20/2018 12:36:00 AM	Chloropropham	n/a	<	0.05	µg/L	EPA 525.2	0.05	0.5	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/9/2018 1:38:00 AM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/9/2018 1:38:00 AM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/20/2018 12:36:00 AM	Cyanazine	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/13/2018 1:54:00 PM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/13/2018 1:54:00 PM	DCPA (Dacthal)	n/a	=	0.29	µg/L	EPA 515.3	0.07	0.1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/20/2018 1:17:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/9/2018 1:38:00 AM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/9/2018 1:38:00 AM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/20/2018 12:36:00 AM	Diazinon	n/a	<	0.48	µg/L	EPA 525.2	0.48	0.5	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/9/2018 1:38:00 AM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/13/2018 1:54:00 PM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/13/2018 1:54:00 PM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/9/2018 1:38:00 AM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/20/2018 1:17:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/21/2018 3:46:00 AM	Dimethoate	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/9/2018 1:38:00 AM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/13/2018 1:54:00 PM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/20/2018 12:36:00 AM	Diphenamid	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/9/2018 1:38:00 AM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/20/2018 12:36:00 AM	Disulfoton	n/a	<	0.16	µg/L	EPA 525.2	0.16	0.5	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/20/2018 1:17:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/20/2018 1:17:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/20/2018 1:17:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/20/2018 1:17:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/20/2018 1:17:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/20/2018 12:36:00 AM	EPTC	n/a	<	0.085	µg/L	EPA 525.2	0.085	5	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/9/2018 1:38:00 AM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/9/2018 1:38:00 AM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/9/2018 1:38:00 AM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/9/2018 1:38:00 AM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/20/2018 1:17:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/20/2018 1:17:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/9/2018 6:26:00 PM	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/20/2018 1:17:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/20/2018 1:17:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/9/2018 1:38:00 AM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/9/2018 1:38:00 AM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/20/2018 1:17:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/9/2018 1:38:00 AM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/20/2018 12:36:00 AM	Metolachlor	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.5	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/20/2018 12:36:00 AM	Metribuzin	n/a	<	0.075	µg/L	EPA 525.2	0.075	0.5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/9/2018 1:38:00 AM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/20/2018 12:36:00 AM	Molinate	n/a	<	0.2	µg/L	EPA 525.2	0.2	0.5	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/9/2018 1:38:00 AM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/13/2018 1:54:00 PM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/15/2018 1:59:00 AM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/26/2018 2:53:00 PM	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/9/2018 1:38:00 AM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/13/2018 1:54:00 PM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/20/2018 12:36:00 AM	Prometon	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/20/2018 12:36:00 AM	Prometryn	n/a	<	0.18	µg/L	EPA 525.2	0.18	0.5	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/9/2018 1:38:00 AM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/20/2018 12:36:00 AM	Simazine	n/a	<	0.075	µg/L	EPA 525.2	0.075	0.5	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/9/2018 1:38:00 AM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/20/2018 12:36:00 AM	Terbacil	n/a	<	2.8	µg/L	EPA 525.2	2.8	10	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/21/2018 3:46:00 AM	Thiobencarb	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/9/2018 1:38:00 AM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/20/2018 1:17:00 AM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/9/2018 1:38:00 AM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-SCR	2017/18-2	Wet	3/3/2018 7:58:00 AM	3/20/2018 12:36:00 AM	Trithion	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.5	WKL	
ME-SCR	2017/18-3	Wet	3/10/2018 6:05:00 PM	3/11/2018 11:34:00 PM	E. Coli	n/a	=	31	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-SCR	2017/18-3	Wet	3/10/2018 6:05:00 PM	3/14/2018 8:10:00 PM	Fecal Coliform	n/a	=	110	MPN/100 mL	SM 9221 E	2	2	VCHCA	
ME-SCR	2017/18-3	Wet	3/10/2018 6:05:00 PM	3/11/2018 11:34:00 PM	Total Coliform	n/a	=	36540	MPN/100 mL	MMO-MUG	100	100	VCHCA	
ME-SCR	2017/18-3	Wet	3/10/2018 6:05:00 PM	3/10/2018 6:05:00 PM	Conductivity	n/a	=	1592	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-SCR	2017/18-3	Wet	3/10/2018 6:05:00 PM	3/19/2018 4:29:00 PM	Cyanide	Total	<	0.0005	mg/L	ASTM D7511	0.0005	0.002	WKL	
ME-SCR	2017/18-3	Wet	3/10/2018 6:05:00 PM	3/10/2018 6:05:00 PM	DO	n/a	=	114.4	%	Field Meter	-88	0.1	Field Crew	
ME-SCR	2017/18-3	Wet	3/10/2018 6:05:00 PM	3/10/2018 6:05:00 PM	DO	n/a	=	11.29	mg/L	Field Meter	-88	0.3	Field Crew	
ME-SCR	2017/18-3	Wet	3/10/2018 6:05:00 PM	3/10/2018 6:05:00 PM	pH	n/a	=	7.4	pH Units	Field Meter	-88	0.01	Field Crew	
ME-SCR	2017/18-3	Wet	3/10/2018 6:05:00 PM	3/10/2018 6:05:00 PM	Salinity	n/a	=	1000	mg/L	Field Meter	-88	10	Field Crew	
ME-SCR	2017/18-3	Wet	3/10/2018 6:05:00 PM	3/10/2018 6:05:00 PM	Specific Conductance	n/a	=	1928	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-SCR	2017/18-3	Wet	3/10/2018 6:05:00 PM	3/10/2018 6:05:00 PM	Temperature	n/a	=	15.9	°C	Field Meter	-88	0.1	Field Crew	
ME-SCR	2017/18-3	Wet	3/10/2018 6:05:00 PM	3/16/2018 1:31:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
ME-SCR	2017/18-3	Wet	3/10/2018 6:05:00 PM	3/27/2018 6:07:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
ME-SCR	2017/18-3	Wet	3/10/2018 6:05:00 PM	3/13/2018 4:15:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
ME-SCR	2017/18-3	Wet	3/10/2018 6:05:00 PM	3/13/2018 4:15:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/21/2018 2:00:00 PM	Chloride	n/a	=	72	mg/L	EPA 300.0	0.2	1	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/21/2018 2:00:00 PM	Fluoride	n/a	=	0.41	mg/L	EPA 300.0	0.04	0.2	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/12/2018 4:48:00 PM	Perchlorate	n/a	<	1.9	µg/L	EPA 314.0	1.9	4	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/21/2018 2:00:00 PM	Sulfate	Total	=	570	mg/L	EPA 300.0	2	10	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/26/2018 7:12:00 PM	Calcium	Total	=	157	mg/L	EPA 200.7	0.016	0.1	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/26/2018 7:12:00 PM	Magnesium	Total	=	65.9	mg/L	EPA 200.7	0.012	0.1	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/26/2018 7:12:00 PM	Potassium	Total	=	6.6	mg/L	EPA 200.7	0.081	0.1	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/26/2018 7:12:00 PM	Sodium	Total	=	120	mg/L	EPA 200.7	0.015	0.5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/12/2018 1:51:00 PM	Alkalinity as CaCO3	n/a	=	220	mg/L	SM 2320 B	0.56	2	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/17/2018 7:25:00 PM	BOD	n/a	<	2	mg/L	SM 5210 B	2	2	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/19/2018 7:36:00 PM	COD	n/a	=	12	mg/L	EPA 410.4	0.73	5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/15/2018 1:47:00 PM	Dissolved Inorganic Carbon	Dissolved	=	52	mg/L	SM 5310 B	0.5	0.5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/19/2018 8:44:00 AM	Dissolved Organic Carbon	Dissolved	=	5.5	mg/L	SM 5310 B	0.016	0.1	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/26/2018 7:12:00 PM	Hardness as CaCO3	Total	=	663	mg/L	EPA 200.7	0.0894	0.662	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/12/2018 4:40:00 PM	MBAS	n/a	DNQ	0.041	mg/L	SM 5540 C	0.019	0.05	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/27/2018 3:52:00 PM	Phenolics	n/a	=	0.0042	mg/L	EPA 420.4	0.0042	0.01	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/14/2018 5:40:00 PM	Specific Conductance	n/a	=	46	µmhos/cm	SM 2510 B	0.23	2	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/15/2018 5:49:00 PM	Total Dissolved Solids	n/a	=	26	mg/L	SM 2540 C	4	10	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 10:17:00 AM	Total Organic Carbon	n/a	=	5	mg/L	SM 5310 B	0.016	0.1	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/14/2018 1:40:00 PM	Total Suspended Solids	n/a	=	46	mg/L	SM 2540 D	-88	5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/12/2018 11:32:00 AM	Turbidity	n/a	=	19	NTU	EPA 180.1	0.024	0.1	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/14/2018 1:40:00 PM	Volatile Suspended Solids	n/a	=	10	mg/L	EPA 160.4	3.1	5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/19/2018 9:10:00 PM	Diesel Range Organics	n/a	=	0.13	mg/L	EPA 8015D	0.024	0.1	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/19/2018 9:10:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	4/2/2018 8:49:00 PM	Aluminum	Dissolved	DNQ	2.5	µg/L	EPA 200.8	1.3	5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	4/2/2018 8:53:00 PM	Aluminum	Total	=	1300	µg/L	EPA 200.8	1.3	5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/30/2018 11:38:00 PM	Antimony	Dissolved	DNQ	0.22	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/30/2018 11:45:00 PM	Antimony	Total	DNQ	0.24	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/30/2018 11:38:00 PM	Arsenic	Dissolved	=	0.85	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/30/2018 11:45:00 PM	Arsenic	Total	=	1.3	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/30/2018 11:45:00 PM	Barium	Total	=	58	µg/L	EPA 200.8	0.071	0.5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/30/2018 11:38:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/30/2018 11:45:00 PM	Beryllium	Total	DNQ	0.06	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/30/2018 11:38:00 PM	Cadmium	Dissolved	DNQ	0.09	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/30/2018 11:45:00 PM	Cadmium	Total	=	0.11	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/30/2018 11:38:00 PM	Chromium	Dissolved	DNQ	0.14	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/30/2018 11:45:00 PM	Chromium	Total	=	2.5	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/15/2018 6:13:00 PM	Chromium VI	n/a	=	0.13	µg/L	EPA 218.6	0.024	0.1	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/30/2018 11:38:00 PM	Copper	Dissolved	=	1.7	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/30/2018 11:45:00 PM	Copper	Total	=	3.6	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/26/2018 6:34:00 PM	Iron	Dissolved	<	1.1	µg/L	EPA 200.7	1.1	10	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/26/2018 7:12:00 PM	Iron	Total	=	1700	µg/L	EPA 200.7	1.1	10	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/30/2018 11:38:00 PM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/30/2018 11:45:00 PM	Lead	Total	=	0.82	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/23/2018 3:42:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/23/2018 3:44:00 PM	Mercury	Total	<	17	ng/L	EPA 245.1	17	50	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/30/2018 11:38:00 PM	Nickel	Dissolved	=	2.1	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/30/2018 11:45:00 PM	Nickel	Total	=	4.3	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	4/2/2018 8:49:00 PM	Selenium	Dissolved	=	3.8	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	4/2/2018 8:53:00 PM	Selenium	Total	=	4.1	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/30/2018 11:38:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/30/2018 11:45:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/30/2018 11:38:00 PM	Thallium	Dissolved	DNQ	0.02	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/30/2018 11:45:00 PM	Thallium	Total	DNQ	0.04	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/30/2018 11:38:00 PM	Zinc	Dissolved	DNQ	2.2	µg/L	EPA 200.8	0.94	5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/30/2018 11:45:00 PM	Zinc	Total	=	8	µg/L	EPA 200.8	0.94	5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/21/2018 8:47:00 PM	Ammonia as N	n/a	DNQ	0.087	mg/L	EPA 350.1	0.048	0.1	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/25/2018 10:03:00 AM	Nitrate + Nitrite as N	n/a	=	2.2	mg/L	EPA 353.2	0.083	0.2	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/27/2018 5:47:00 PM	Phosphorus as P	Dissolved	=	0.066	mg/L	EPA 365.1	0.0014	0.01	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 11:12:00 AM	Phosphorus as P	Total	=	0.14	mg/L	EPA 365.1	0.0014	0.01	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/23/2018 3:23:00 PM	TKN	n/a	=	0.49	mg/L	EPA 351.2	0.05	0.1	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 2:27:00 AM	1,2,4-Trichlorobenzene	n/a	<	1.4	µg/L	EPA 625	1.4	2.5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 2:27:00 AM	1,2-Dichlorobenzene	n/a	<	1.4	µg/L	EPA 625	1.4	2.5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 2:27:00 AM	1,2-Diphenylhydrazine	n/a	<	0.62	µg/L	EPA 625	0.62	2.5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 2:27:00 AM	1,3-Dichlorobenzene	n/a	<	1.3	µg/L	EPA 625	1.3	2.5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 2:27:00 AM	1,4-Dichlorobenzene	n/a	<	1.4	µg/L	EPA 625	1.4	2.5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/27/2018 3:36:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/23/2018 4:51:00 AM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 2:27:00 AM	2,4,6-Trichlorophenol	n/a	<	0.55	µg/L	EPA 625	0.55	2.5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/23/2018 4:51:00 AM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 2:27:00 AM	2,4-Dichlorophenol	n/a	<	0.65	µg/L	EPA 625	0.65	2.5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/23/2018 4:51:00 AM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/23/2018 4:51:00 AM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 2:27:00 AM	2,4-Dimethylphenol	n/a	<	0.75	µg/L	EPA 625	0.75	2.5	WKL	EST-LCSRPD
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 2:27:00 AM	2,4-Dinitrophenol	n/a	<	4	µg/L	EPA 625	4	25	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/23/2018 4:51:00 AM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	EST-LCSRPD
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 2:27:00 AM	2,4-Dinitrotoluene	n/a	<	0.45	µg/L	EPA 625	0.45	2.5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 2:27:00 AM	2,6-Dinitrotoluene	n/a	<	0.68	µg/L	EPA 625	0.68	2.5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 2:27:00 AM	2-Chloronaphthalene	n/a	<	1.1	µg/L	EPA 625	1.1	2.5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 2:27:00 AM	2-Chlorophenol	n/a	<	0.7	µg/L	EPA 625	0.7	2.5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/23/2018 4:51:00 AM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/27/2018 3:36:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/23/2018 4:51:00 AM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 2:27:00 AM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 2:27:00 AM	2-Nitrophenol	n/a	<	0.65	µg/L	EPA 625	0.65	2.5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 2:27:00 AM	3,3'-Dichlorobenzidine	n/a	<	3	µg/L	EPA 625	3	12	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/23/2018 4:51:00 AM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 2:27:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	4.3	µg/L	EPA 625	4.3	12	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/23/2018 4:51:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	EST-LCSRPD
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 2:27:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.9	µg/L	EPA 625	0.9	2.5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/23/2018 4:51:00 AM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 2:27:00 AM	4-Chloro-3-methylphenol	n/a	<	0.58	µg/L	EPA 625	0.58	2.5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 2:27:00 AM	4-Chlorophenyl phenyl ether	n/a	<	1	µg/L	EPA 625	1	2.5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/23/2018 4:51:00 AM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	EST-LCSRPD
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 2:27:00 AM	4-Nitrophenol	n/a	<	1.1	µg/L	EPA 625	1.1	12	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 2:27:00 AM	Acenaphthene	n/a	<	0.95	µg/L	EPA 625	0.95	2.5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/27/2018 3:36:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/27/2018 3:36:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 2:27:00 AM	Acenaphthylene	n/a	<	1	µg/L	EPA 625	1	2.5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/27/2018 3:36:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 2:27:00 AM	Anthracene	n/a	<	0.85	µg/L	EPA 625	0.85	2.5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 2:27:00 AM	Benz(a)anthracene	n/a	<	0.48	µg/L	EPA 625	0.48	2.5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/27/2018 3:36:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 2:27:00 AM	Benzidine	n/a	<	9.2	µg/L	EPA 625	9.2	25	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/27/2018 3:36:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 2:57:00 PM	Benzo(a)pyrene	n/a	<	0.35	µg/L	EPA 525.2	0.35	0.5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 2:27:00 AM	Benzo(a)pyrene	n/a	<	0.32	µg/L	EPA 625	0.32	2.5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 2:27:00 AM	Benzo(b)fluoranthene	n/a	<	0.35	µg/L	EPA 625	0.35	2.5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/27/2018 3:36:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 2:27:00 AM	Benzo(g,h,i)perylene	n/a	<	0.25	µg/L	EPA 625	0.25	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/27/2018 3:36:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/27/2018 3:36:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 2:27:00 AM	Benzo(k)fluoranthene	n/a	<	0.55	µg/L	EPA 625	0.55	2.5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 2:27:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.62	µg/L	EPA 625	0.62	2.5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 2:27:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.68	µg/L	EPA 625	0.68	2.5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 2:27:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.95	µg/L	EPA 625	0.95	2.5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 2:57:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.52	µg/L	EPA 525.2	0.52	25	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 2:27:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	5.8	µg/L	EPA 625	5.8	12	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 2:57:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	5.3	µg/L	EPA 525.2	5.3	15	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 2:27:00 AM	Butyl benzyl phthalate	n/a	<	0.45	µg/L	EPA 625	0.45	2.5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/27/2018 3:36:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 2:27:00 AM	Chrysene	n/a	<	0.48	µg/L	EPA 625	0.48	2.5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 2:27:00 AM	Dibenz(a,h)anthracene	n/a	<	0.2	µg/L	EPA 625	0.2	5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/27/2018 3:36:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 2:27:00 AM	Diethyl phthalate	n/a	<	0.38	µg/L	EPA 625	0.38	2.5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 2:27:00 AM	Dimethyl phthalate	n/a	<	0.45	µg/L	EPA 625	0.45	2.5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 2:27:00 AM	Di-n-butylphthalate	n/a	<	0.6	µg/L	EPA 625	0.6	2.5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 2:27:00 AM	Di-n-octylphthalate	n/a	<	0.48	µg/L	EPA 625	0.48	2.5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/27/2018 3:36:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 2:27:00 AM	Fluoranthene	n/a	<	0.55	µg/L	EPA 625	0.55	2.5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/27/2018 3:36:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 2:27:00 AM	Fluorene	n/a	<	0.88	µg/L	EPA 625	0.88	2.5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 2:27:00 AM	Hexachlorobenzene	n/a	<	1.2	µg/L	EPA 625	1.2	2.5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 2:27:00 AM	Hexachlorobutadiene	n/a	<	1.2	µg/L	EPA 625	1.2	2.5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 2:27:00 AM	Hexachlorocyclopentadiene	n/a	<	3.6	µg/L	EPA 625	3.6	12	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 2:27:00 AM	Hexachloroethane	n/a	<	1.3	µg/L	EPA 625	1.3	2.5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 2:27:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.3	µg/L	EPA 625	0.3	5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/27/2018 3:36:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 2:27:00 AM	Isophorone	n/a	<	0.52	µg/L	EPA 625	0.52	2.5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 2:27:00 AM	Naphthalene	n/a	<	1.2	µg/L	EPA 625	1.2	2.5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/27/2018 3:36:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 2:27:00 AM	Nitrobenzene	n/a	<	0.9	µg/L	EPA 625	0.9	2.5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 2:27:00 AM	N-Nitrosodimethylamine	n/a	<	0.35	µg/L	EPA 625	0.35	2.5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 2:27:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.65	µg/L	EPA 625	0.65	2.5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 2:27:00 AM	N-Nitrosodiphenylamine	n/a	<	0.48	µg/L	EPA 625	0.48	2.5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 2:27:00 AM	Phenanthrene	n/a	<	0.8	µg/L	EPA 625	0.8	2.5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/27/2018 3:36:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 2:27:00 AM	Phenol	n/a	<	0.4	µg/L	EPA 625	0.4	2.5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/23/2018 4:51:00 AM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 2:27:00 AM	Pyrene	n/a	<	0.62	µg/L	EPA 625	0.62	2.5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/27/2018 3:36:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/24/2018 7:52:00 PM	PCB Aroclor 1016	n/a	<	0.05	µg/L	EPA 608	0.05	0.5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/24/2018 7:52:00 PM	PCB Aroclor 1221	n/a	<	0.06	µg/L	EPA 608	0.06	0.5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/24/2018 7:52:00 PM	PCB Aroclor 1232	n/a	<	0.15	µg/L	EPA 608	0.15	0.5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/24/2018 7:52:00 PM	PCB Aroclor 1242	n/a	<	0.07	µg/L	EPA 608	0.07	0.5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/24/2018 7:52:00 PM	PCB Aroclor 1248	n/a	<	0.06	µg/L	EPA 608	0.06	0.5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/24/2018 7:52:00 PM	PCB Aroclor 1254	n/a	<	0.04	µg/L	EPA 608	0.04	0.5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/24/2018 7:52:00 PM	PCB Aroclor 1260	n/a	<	0.04	µg/L	EPA 608	0.04	0.5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/17/2018 3:13:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/17/2018 3:13:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/17/2018 3:13:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/17/2018 3:13:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/17/2018 3:13:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/24/2018 7:52:00 PM	4,4'-DDD	n/a	<	0.003	µg/L	EPA 608	0.003	0.05	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/24/2018 7:52:00 PM	4,4'-DDE	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.05	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/24/2018 7:52:00 PM	4,4'-DDT	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.01	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/17/2018 3:13:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 2:57:00 PM	Alachlor	n/a	<	0.11	µg/L	EPA 525.2	0.11	0.5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/24/2018 7:52:00 PM	Aldrin	n/a	<	0.0015	µg/L	EPA 608	0.0015	0.005	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/24/2018 7:52:00 PM	alpha-BHC	n/a	<	0.0018	µg/L	EPA 608	0.0018	0.01	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/24/2018 7:52:00 PM	alpha-Chlordane	n/a	<	0.0041	µg/L	EPA 608	0.0041	0.01	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 2:57:00 PM	Atrazine	n/a	<	0.17	µg/L	EPA 525.2	0.17	0.5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/19/2018 2:54:00 PM	Azinphos methyl	n/a	<	0.028	µg/L	EPA 525.2m	0.028	0.05	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/17/2018 3:13:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/24/2018 7:52:00 PM	beta-BHC	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.005	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/19/2018 2:54:00 PM	Bolstar	n/a	<	0.023	µg/L	EPA 525.2m	0.023	0.05	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 2:57:00 PM	Bromacil	n/a	<	0.19	µg/L	EPA 525.2	0.19	5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 2:57:00 PM	Butachlor	n/a	<	0.085	µg/L	EPA 525.2	0.085	1	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 2:57:00 PM	Captan	n/a	<	4.3	µg/L	EPA 525.2	4.3	5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/24/2018 7:52:00 PM	Chlordane (technical)	n/a	<	0.08	µg/L	EPA 608	0.08	0.1	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 2:57:00 PM	Chlorpropham	n/a	<	0.05	µg/L	EPA 525.2	0.05	0.5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/19/2018 2:54:00 PM	Chlorpyrifos	n/a	<	0.034	µg/L	EPA 525.2m	0.034	0.05	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/19/2018 2:54:00 PM	Coumaphos	n/a	<	0.026	µg/L	EPA 525.2m	0.026	0.05	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 2:57:00 PM	Cyanazine	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/17/2018 3:13:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/17/2018 3:13:00 AM	DCPA (Dacthal)	n/a	=	0.32	µg/L	EPA 515.3	0.07	0.1	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/24/2018 7:52:00 PM	delta-BHC	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.005	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/19/2018 2:54:00 PM	Demeton-O	n/a	<	0.05	µg/L	EPA 525.2m	0.05	0.05	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/19/2018 2:54:00 PM	Demeton-S	n/a	<	0.05	µg/L	EPA 525.2m	0.05	0.05	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 2:57:00 PM	Diazinon	n/a	<	0.48	µg/L	EPA 525.2	0.48	0.5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/19/2018 2:54:00 PM	Diazinon	n/a	<	0.026	µg/L	EPA 525.2m	0.026	0.05	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/17/2018 3:13:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/17/2018 3:13:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/19/2018 2:54:00 PM	Dichlorvos	n/a	<	0.014	µg/L	EPA 525.2m	0.014	0.05	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/24/2018 7:52:00 PM	Dieldrin	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.01	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 2:57:00 PM	Dimethoate	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/19/2018 2:54:00 PM	Dimethoate	n/a	<	0.031	µg/L	EPA 525.2m	0.031	0.05	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/17/2018 3:13:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 2:57:00 PM	Diphenamid	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/19/2018 2:54:00 PM	Disulfoton	n/a	<	0.05	µg/L	EPA 525.2m	0.05	0.05	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 2:57:00 PM	Disulfoton	n/a	<	0.16	µg/L	EPA 525.2	0.16	0.5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/24/2018 7:52:00 PM	Endosulfan I	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.02	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/24/2018 7:52:00 PM	Endosulfan II	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/24/2018 7:52:00 PM	Endosulfan sulfate	n/a	<	0.008	µg/L	EPA 608	0.008	0.05	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/24/2018 7:52:00 PM	Endrin	n/a	<	0.0028	µg/L	EPA 608	0.0028	0.01	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/24/2018 7:52:00 PM	Endrin aldehyde	n/a	<	0.003	µg/L	EPA 608	0.003	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 2:57:00 PM	EPTC	n/a	<	0.085	µg/L	EPA 525.2	0.085	5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/19/2018 2:54:00 PM	Ethoprop	n/a	<	0.034	µg/L	EPA 525.2m	0.034	0.05	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/19/2018 2:54:00 PM	Ethyl parathion	n/a	<	0.027	µg/L	EPA 525.2m	0.027	0.05	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/19/2018 2:54:00 PM	Fensulfothion	n/a	<	0.014	µg/L	EPA 525.2m	0.014	0.05	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/19/2018 2:54:00 PM	Fenthion	n/a	<	0.019	µg/L	EPA 525.2m	0.019	0.05	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/24/2018 7:52:00 PM	gamma-BHC (Lindane)	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.02	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/24/2018 7:52:00 PM	gamma-Chlordane	n/a	<	0.0044	µg/L	EPA 608	0.0044	0.01	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 10:15:00 PM	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/24/2018 7:52:00 PM	Heptachlor	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.01	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/24/2018 7:52:00 PM	Heptachlor epoxide	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/19/2018 2:54:00 PM	Malathion	n/a	<	0.038	µg/L	EPA 525.2m	0.038	0.05	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/19/2018 2:54:00 PM	Merphos	n/a	<	0.029	µg/L	EPA 525.2m	0.029	0.05	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/24/2018 7:52:00 PM	Methoxychlor	n/a	<	0.0054	µg/L	EPA 608	0.0054	0.02	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/19/2018 2:54:00 PM	Methyl parathion	n/a	<	0.032	µg/L	EPA 525.2m	0.032	0.05	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 2:57:00 PM	Metolachlor	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 2:57:00 PM	Metribuzin	n/a	<	0.075	µg/L	EPA 525.2	0.075	0.5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/19/2018 2:54:00 PM	Mevinphos	n/a	<	0.021	µg/L	EPA 525.2m	0.021	0.05	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 2:57:00 PM	Molinate	n/a	<	0.2	µg/L	EPA 525.2	0.2	0.5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/19/2018 2:54:00 PM	Naled	n/a	<	0.038	µg/L	EPA 525.2m	0.038	0.05	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 2:27:00 AM	Pentachlorophenol	n/a	<	0.48	µg/L	EPA 625	0.48	2.5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/23/2018 4:51:00 AM	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1	WKL	EST-LCSRPD
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/17/2018 3:13:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/19/2018 2:54:00 PM	Phorate	n/a	<	0.015	µg/L	EPA 525.2m	0.015	0.05	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/17/2018 3:13:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 2:57:00 PM	Prometon	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	EST-LCSRPD
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 2:57:00 PM	Prometryn	n/a	<	0.18	µg/L	EPA 525.2	0.18	0.5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/19/2018 2:54:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.02	µg/L	EPA 525.2m	0.02	0.05	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 2:57:00 PM	Simazine	n/a	DNQ	0.16	µg/L	EPA 525.2	0.075	0.5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/19/2018 2:54:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.016	µg/L	EPA 525.2m	0.016	0.05	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 2:57:00 PM	Terbacil	n/a	<	2.8	µg/L	EPA 525.2	2.8	10	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 2:57:00 PM	Thiobencarb	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/19/2018 2:54:00 PM	Tokuthion	n/a	<	0.039	µg/L	EPA 525.2m	0.039	0.05	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/24/2018 7:52:00 PM	Toxaphene	n/a	<	0.12	µg/L	EPA 608	0.12	0.5	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/19/2018 2:54:00 PM	Trichloronate	n/a	<	0.034	µg/L	EPA 525.2m	0.034	0.05	WKL	
ME-SCR	2017/18-3	Wet	3/11/2018 11:25:00 AM	3/22/2018 2:57:00 PM	Trithion	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.5	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/16/2018 7:30:00 AM	Chloride	n/a	=	99	mg/L	EPA 300.0	2	10	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/16/2018 7:30:00 AM	Fluoride	n/a	=	0.49	mg/L	EPA 300.0	0.02	0.1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/21/2018 3:12:00 PM	Perchlorate	n/a	<	4.8	µg/L	EPA 314.0	4.8	10	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/16/2018 7:30:00 AM	Sulfate	Total	=	780	mg/L	EPA 300.0	2	10	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/15/2018 3:50:00 PM	Calcium	Total	=	209	mg/L	EPA 200.7	0.016	0.1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/15/2018 3:50:00 PM	Magnesium	Total	=	120	mg/L	EPA 200.7	0.012	0.1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/15/2018 3:50:00 PM	Potassium	Total	=	8.6	mg/L	EPA 200.7	0.081	0.1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/15/2018 3:50:00 PM	Sodium	Total	=	240	mg/L	EPA 200.7	0.015	0.5	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/8/2018 2:26:00 PM	Alkalinity as CaCO3	n/a	=	70	mg/L	SM 2320 B	0.56	2	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/12/2018 8:28:00 PM	BOD	n/a	=	2	mg/L	SM 5210 B	2	2	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/12/2018 7:40:00 PM	COD	n/a	=	20	mg/L	EPA 410.4	0.73	5	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/12/2018 11:30:00 AM	Dissolved Inorganic Carbon	Dissolved	=	14	mg/L	SM 5310 B	0.5	0.5	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/19/2018 2:47:00 PM	Dissolved Organic Carbon	Dissolved	=	5.9	mg/L	SM 5310 B	0.016	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/15/2018 3:50:00 PM	Hardness as CaCO3	Total	=	1020	mg/L	EPA 200.7	0.0894	0.662	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/7/2018 11:04:00 PM	MBAS	n/a	DNQ	0.03	mg/L	SM 5540 C	0.019	0.05	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/18/2018 2:16:00 PM	Phenolics	n/a	=	0.024	mg/L	EPA 420.4	0.0042	0.01	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/12/2018 12:59:00 PM	Specific Conductance	n/a	=	3000	µmhos/cm	SM 2510 B	0.7	6	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/11/2018 5:30:00 PM	Total Dissolved Solids	n/a	=	2000	mg/L	SM 2540 C	4	10	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/14/2018 2:30:00 PM	Total Organic Carbon	n/a	=	6.6	mg/L	SM 5310 B	0.016	0.1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/11/2018 7:01:00 PM	Total Suspended Solids	n/a	=	14	mg/L	SM 2540 D	-88	5	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/7/2018 10:03:00 PM	Turbidity	n/a	=	8.4	NTU	EPA 180.1	0.024	0.1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/11/2018 7:01:00 PM	Volatile Suspended Solids	n/a	DNQ	4	mg/L	EPA 160.4	3.1	5	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/8/2018 8:38:00 PM	Diesel Range Organics	n/a	DNQ	0.057	mg/L	EPA 8015D	0.024	0.1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/8/2018 8:38:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/18/2018 3:44:00 PM	Aluminum	Dissolved	=	5.8	µg/L	EPA 200.8	1.3	5	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/18/2018 3:47:00 PM	Aluminum	Total	=	270	µg/L	EPA 200.8	1.3	5	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/16/2018 6:26:00 PM	Antimony	Dissolved	DNQ	0.3	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/16/2018 6:33:00 PM	Antimony	Total	DNQ	0.3	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/16/2018 6:26:00 PM	Arsenic	Dissolved	=	1.6	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/16/2018 6:33:00 PM	Arsenic	Total	=	1.7	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/16/2018 6:33:00 PM	Barium	Total	=	56	µg/L	EPA 200.8	0.071	0.5	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/16/2018 6:26:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/16/2018 6:33:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/16/2018 6:26:00 PM	Cadmium	Dissolved	DNQ	0.064	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/16/2018 6:26:00 PM	Cadmium	Total	DNQ	0.075	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/18/2018 3:44:00 PM	Chromium	Dissolved	DNQ	0.039	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/18/2018 3:47:00 PM	Chromium	Total	=	0.45	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/14/2018 2:11:00 PM	Chromium VI	n/a	=	0.12	µg/L	EPA 218.6	0.0048	0.02	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/16/2018 6:26:00 PM	Copper	Dissolved	=	2.2	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/16/2018 6:33:00 PM	Copper	Total	=	3	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/15/2018 3:41:00 PM	Iron	Dissolved	=	13	µg/L	EPA 200.7	1.1	10	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/15/2018 3:50:00 PM	Iron	Total	=	440	µg/L	EPA 200.7	1.1	10	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/16/2018 6:26:00 PM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/16/2018 6:33:00 PM	Lead	Total	=	0.29	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/14/2018 12:24:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/14/2018 12:25:00 PM	Mercury	Total	<	17	ng/L	EPA 245.1	17	50	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/16/2018 6:26:00 PM	Nickel	Dissolved	=	8.1	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/16/2018 6:33:00 PM	Nickel	Total	=	8.5	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/16/2018 6:26:00 PM	Selenium	Dissolved	=	2.7	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/16/2018 6:33:00 PM	Selenium	Total	=	2.6	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/16/2018 6:26:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/16/2018 6:33:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/16/2018 6:26:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/16/2018 6:33:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/16/2018 6:26:00 PM	Zinc	Dissolved	<	0.94	µg/L	EPA 200.8	0.94	5	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/16/2018 6:33:00 PM	Zinc	Total	DNQ	2.4	µg/L	EPA 200.8	0.94	5	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/12/2018 8:21:00 PM	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/7/2018 4:31:00 PM	Nitrate + Nitrite as N	n/a	<	0.083	mg/L	EPA 353.2	0.083	0.2	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/7/2018 4:31:00 PM	Nitrate as N	n/a	<	0.083	mg/L	EPA 353.2	0.083	0.2	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/29/2018 1:39:00 PM	Phosphorus as P	Dissolved	=	0.016	mg/L	EPA 365.1	0.0014	0.01	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/20/2018 4:30:00 PM	Phosphorus as P	Total	=	0.22	mg/L	EPA 365.1	0.0028	0.02	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/14/2018 3:21:00 PM	TKN	n/a	=	0.46	mg/L	EPA 351.2	0.05	0.1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/19/2018 7:38:00 PM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/19/2018 7:38:00 PM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/19/2018 7:38:00 PM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/19/2018 7:38:00 PM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/19/2018 7:38:00 PM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/14/2018 4:41:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/19/2018 1:59:00 AM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/19/2018 1:59:00 AM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/19/2018 7:38:00 PM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/19/2018 1:59:00 AM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/19/2018 7:38:00 PM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/19/2018 7:38:00 PM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	LB-LCSR
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/19/2018 1:59:00 AM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/19/2018 1:59:00 AM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/19/2018 7:38:00 PM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/19/2018 7:38:00 PM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/19/2018 7:38:00 PM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/19/2018 7:38:00 PM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/19/2018 7:38:00 PM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/19/2018 1:59:00 AM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/14/2018 4:41:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/19/2018 1:59:00 AM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/19/2018 1:59:00 AM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/19/2018 7:38:00 PM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/19/2018 7:38:00 PM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/19/2018 1:59:00 AM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/19/2018 7:38:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/19/2018 1:59:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/19/2018 7:38:00 PM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/19/2018 7:38:00 PM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/19/2018 1:59:00 AM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/19/2018 7:38:00 PM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/19/2018 7:38:00 PM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/19/2018 1:59:00 AM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/14/2018 4:41:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/19/2018 7:38:00 PM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/19/2018 7:38:00 PM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/14/2018 4:41:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/19/2018 7:38:00 PM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/14/2018 4:41:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/19/2018 7:38:00 PM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/14/2018 4:41:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/19/2018 7:38:00 PM	Benzo(a)pyrene	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/19/2018 7:38:00 PM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/14/2018 4:41:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/14/2018 12:18:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/14/2018 4:41:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/19/2018 7:38:00 PM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/19/2018 7:38:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/14/2018 4:41:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/19/2018 7:38:00 PM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/14/2018 4:41:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/19/2018 7:38:00 PM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/19/2018 7:38:00 PM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/19/2018 7:38:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/14/2018 12:18:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/14/2018 12:18:00 PM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	1.3	µg/L	EPA 525.2	1.1	3	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/19/2018 7:38:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/19/2018 7:38:00 PM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/19/2018 7:38:00 PM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/14/2018 4:41:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/19/2018 7:38:00 PM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/14/2018 4:41:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/19/2018 7:38:00 PM	Diethyl phthalate	n/a	DNQ	0.23	µg/L	EPA 625	0.15	1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/19/2018 7:38:00 PM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/19/2018 7:38:00 PM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/19/2018 7:38:00 PM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/19/2018 7:38:00 PM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/14/2018 4:41:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/14/2018 4:41:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/19/2018 7:38:00 PM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/19/2018 7:38:00 PM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/19/2018 7:38:00 PM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/19/2018 7:38:00 PM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/19/2018 7:38:00 PM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/19/2018 7:38:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/14/2018 4:41:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/19/2018 7:38:00 PM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/19/2018 7:38:00 PM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/14/2018 4:41:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/19/2018 7:38:00 PM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/19/2018 7:38:00 PM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/19/2018 7:38:00 PM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/19/2018 7:38:00 PM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/14/2018 4:41:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/19/2018 7:38:00 PM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/19/2018 7:38:00 PM	Phenol	n/a	=	1.1	µg/L	EPA 625	0.16	1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/19/2018 1:59:00 AM	Phenol	n/a	=	1.3	µg/L	EPA 8270C	0.35	1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/14/2018 4:41:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/19/2018 7:38:00 PM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/13/2018 1:18:00 AM	PCB Aroclor 1016	n/a	<	0.1	µg/L	EPA 608	0.1	1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/13/2018 1:18:00 AM	PCB Aroclor 1221	n/a	<	0.12	µg/L	EPA 608	0.12	1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/13/2018 1:18:00 AM	PCB Aroclor 1232	n/a	<	0.3	µg/L	EPA 608	0.3	1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/13/2018 1:18:00 AM	PCB Aroclor 1242	n/a	<	0.14	µg/L	EPA 608	0.14	1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/13/2018 1:18:00 AM	PCB Aroclor 1248	n/a	<	0.12	µg/L	EPA 608	0.12	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/13/2018 1:18:00 AM	PCB Aroclor 1254	n/a	<	0.08	µg/L	EPA 608	0.08	1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/13/2018 1:18:00 AM	PCB Aroclor 1260	n/a	<	0.08	µg/L	EPA 608	0.08	1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/13/2018 4:44:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/13/2018 4:44:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/13/2018 4:44:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/13/2018 4:44:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/13/2018 4:44:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/13/2018 1:18:00 AM	4,4'-DDD	n/a	<	0.006	µg/L	EPA 608	0.006	0.1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/13/2018 1:18:00 AM	4,4'-DDE	n/a	<	0.005	µg/L	EPA 608	0.005	0.1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/13/2018 1:18:00 AM	4,4'-DDT	n/a	<	0.0062	µg/L	EPA 608	0.0062	0.02	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/13/2018 4:44:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/14/2018 12:18:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/13/2018 1:18:00 AM	Aldrin	n/a	<	0.003	µg/L	EPA 608	0.003	0.01	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/13/2018 1:18:00 AM	alpha-BHC	n/a	<	0.0036	µg/L	EPA 608	0.0036	0.02	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/13/2018 1:18:00 AM	alpha-Chlordane	n/a	<	0.0082	µg/L	EPA 608	0.0082	0.02	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/14/2018 12:18:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/13/2018 11:30:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/13/2018 4:44:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/13/2018 1:18:00 AM	beta-BHC	n/a	<	0.0062	µg/L	EPA 608	0.0062	0.01	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/13/2018 11:30:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/14/2018 12:18:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/14/2018 12:18:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/14/2018 12:18:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/13/2018 1:18:00 AM	Chlordane (technical)	n/a	<	0.16	µg/L	EPA 608	0.16	0.2	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/14/2018 12:18:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/13/2018 11:30:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/13/2018 11:30:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/14/2018 12:18:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/13/2018 4:44:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/13/2018 4:44:00 AM	DCPA (Dacthal)	n/a	=	0.5	µg/L	EPA 515.3	0.07	0.1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/13/2018 1:18:00 AM	delta-BHC	n/a	<	0.005	µg/L	EPA 608	0.005	0.01	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/13/2018 11:30:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/13/2018 11:30:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/14/2018 12:18:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/13/2018 11:30:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/13/2018 4:44:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/13/2018 4:44:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/13/2018 11:30:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/13/2018 1:18:00 AM	Dieldrin	n/a	<	0.0042	µg/L	EPA 608	0.0042	0.02	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/13/2018 11:30:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/14/2018 12:18:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/13/2018 4:44:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/14/2018 12:18:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/14/2018 12:18:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/13/2018 11:30:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/13/2018 1:18:00 AM	Endosulfan I	n/a	<	0.0034	µg/L	EPA 608	0.0034	0.04	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/13/2018 1:18:00 AM	Endosulfan II	n/a	<	0.0038	µg/L	EPA 608	0.0038	0.02	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/13/2018 1:18:00 AM	Endosulfan sulfate	n/a	<	0.016	µg/L	EPA 608	0.016	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/13/2018 1:18:00 AM	Endrin	n/a	<	0.0056	µg/L	EPA 608	0.0056	0.02	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/13/2018 1:18:00 AM	Endrin aldehyde	n/a	<	0.006	µg/L	EPA 608	0.006	0.02	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/14/2018 12:18:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/13/2018 11:30:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/13/2018 11:30:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/13/2018 11:30:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/13/2018 11:30:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/13/2018 1:18:00 AM	gamma-BHC (Lindane)	n/a	<	0.0042	µg/L	EPA 608	0.0042	0.04	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/13/2018 1:18:00 AM	gamma-Chlordane	n/a	<	0.0088	µg/L	EPA 608	0.0088	0.02	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/14/2018 6:33:00 PM	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/13/2018 1:18:00 AM	Heptachlor	n/a	<	0.0034	µg/L	EPA 608	0.0034	0.02	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/13/2018 1:18:00 AM	Heptachlor epoxide	n/a	<	0.0038	µg/L	EPA 608	0.0038	0.02	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/13/2018 11:30:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/13/2018 11:30:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/13/2018 1:18:00 AM	Methoxychlor	n/a	<	0.011	µg/L	EPA 608	0.011	0.04	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/13/2018 11:30:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/14/2018 12:18:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/14/2018 12:18:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/13/2018 11:30:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/14/2018 12:18:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/13/2018 11:30:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/13/2018 4:44:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/19/2018 7:38:00 PM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/19/2018 1:59:00 AM	Pentachlorophenol	n/a	DNQ	0.4	µg/L	EPA 8270C	0.15	1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/13/2018 11:30:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/13/2018 4:44:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/14/2018 12:18:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/14/2018 12:18:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/13/2018 11:30:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/14/2018 12:18:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/13/2018 11:30:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/14/2018 12:18:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/14/2018 12:18:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/13/2018 11:30:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/13/2018 1:18:00 AM	Toxaphene	n/a	<	0.24	µg/L	EPA 608	0.24	1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/13/2018 11:30:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:40:00 AM	6/14/2018 12:18:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:45:00 AM	6/7/2018 10:45:00 AM	E. Coli	n/a	<	10	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-SCR	2017/18-5	Dry	6/6/2018 10:45:00 AM	6/7/2018 6:00:00 AM	Total Coliform	n/a	=	2909	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-SCR	2017/18-5	Dry	6/6/2018 10:45:00 AM	6/6/2018 10:45:00 AM	Conductivity	n/a	=	2328	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-SCR	2017/18-5	Dry	6/6/2018 10:45:00 AM	6/7/2018 6:23:00 PM	Cyanide	Total	DNQ	0.0006	mg/L	ASTM D7511	0.0005	0.002	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:45:00 AM	6/6/2018 10:45:00 AM	DO	n/a	=	8.28	mg/L	Field Meter	-88	0.3	Field Crew	
ME-SCR	2017/18-5	Dry	6/6/2018 10:45:00 AM	6/6/2018 10:45:00 AM	DO	n/a	=	96.5	%	Field Meter	-88	0.1	Field Crew	
ME-SCR	2017/18-5	Dry	6/6/2018 10:45:00 AM	6/6/2018 10:45:00 AM	pH	n/a	=	8.63	pH Units	Field Meter	-88	0.01	Field Crew	
ME-SCR	2017/18-5	Dry	6/6/2018 10:45:00 AM	6/6/2018 10:45:00 AM	Salinity	n/a	=	1300	mg/L	Field Meter	-88	100	Field Crew	
ME-SCR	2017/18-5	Dry	6/6/2018 10:45:00 AM	6/6/2018 10:45:00 AM	Specific Conductance	n/a	=	2456	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-SCR	2017/18-5	Dry	6/6/2018 10:45:00 AM	6/6/2018 10:45:00 AM	Temperature	n/a	=	22.3	°C	Field Meter	-88	0.1	Field Crew	
ME-SCR	2017/18-5	Dry	6/6/2018 10:45:00 AM	6/11/2018 10:32:00 PM	Gasoline Range Organics	n/a	<	0.012	mg/L	LUFT GC/MS	0.012	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-SCR	2017/18-5	Dry	6/6/2018 10:45:00 AM	6/8/2018 3:47:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:45:00 AM	6/11/2018 3:55:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
ME-SCR	2017/18-5	Dry	6/6/2018 10:45:00 AM	6/11/2018 3:55:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/15/2018 1:00:00 PM	Chloride	n/a	=	66	mg/L	EPA 300.0	0.1	0.5	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/15/2018 1:00:00 PM	Fluoride	n/a	=	0.37	mg/L	EPA 300.0	0.02	0.1	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/22/2018 1:25:00 PM	Perchlorate	n/a	<	19	µg/L	EPA 314.0	19	40	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/15/2018 1:00:00 PM	Sulfate	Total	=	260	mg/L	EPA 300.0	1	5	WKL	HB-MSR
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/10/2018 8:30:00 AM	E. Coli	n/a	=	3448	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/13/2018 11:30:00 AM	Fecal Coliform	n/a	=	4600	MPN/100 mL	SM 9221 E	2	2	VCHCA	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/10/2018 8:30:00 AM	Total Coliform	n/a	=	344800	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/16/2018 8:16:00 PM	Calcium	Total	=	125	mg/L	EPA 200.7	0.016	0.1	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/16/2018 8:16:00 PM	Magnesium	Total	=	44.1	mg/L	EPA 200.7	0.012	0.1	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/17/2018 1:42:00 PM	Potassium	Total	=	22	mg/L	EPA 200.7	0.081	0.1	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/16/2018 8:16:00 PM	Sodium	Total	=	32	mg/L	EPA 200.7	0.015	0.5	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/15/2018 1:41:00 PM	Alkalinity as CaCO3	n/a	=	270	mg/L	SM 2320 B	0.56	2	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/15/2018 9:30:00 PM	BOD	n/a	=	480	mg/L	SM 5210 B	4	4	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/19/2018 6:24:00 PM	COD	n/a	=	2600	mg/L	EPA 410.4	2.9	20	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/9/2018 11:10:00 AM	Conductivity	n/a	=	804	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/16/2018 6:51:00 PM	Cyanide	Total	=	0.034	mg/L	ASTM D7511	0.0038	0.016	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/22/2018 4:21:00 PM	Dissolved Inorganic Carbon	Dissolved	=	62	mg/L	SM 5310 B	0.5	0.5	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/15/2018 12:47:00 PM	Dissolved Organic Carbon	Dissolved	=	79	mg/L	SM 5310 B	0.016	0.1	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/9/2018 11:10:00 AM	DO	n/a	=	76.1	%	Field Meter	-88	0.1	Field Crew	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/9/2018 11:10:00 AM	DO	n/a	=	7.2	mg/L	Field Meter	-88	0.3	Field Crew	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/16/2018 8:16:00 PM	Hardness as CaCO3	Total	=	493	mg/L	EPA 200.7	0.0894	0.662	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/10/2018 11:03:00 PM	MBAS	n/a	DNQ	0.038	mg/L	SM 5540 C	0.019	0.05	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/9/2018 11:10:00 AM	pH	n/a	=	7.56	pH Units	Field Meter	-88	0.01	Field Crew	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/19/2018 10:16:00 AM	Phenolics	n/a	=	0.6	mg/L	EPA 420.4	0.0084	0.02	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/9/2018 11:10:00 AM	Salinity	n/a	=	500	mg/L	Field Meter	-88	100	Field Crew	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/15/2018 5:11:00 PM	Specific Conductance	n/a	=	1300	µmhos/cm	SM 2510 B	0.23	2	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/9/2018 11:10:00 AM	Specific Conductance	n/a	=	1020	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/9/2018 11:10:00 AM	Temperature	n/a	=	13.8	°C	Field Meter	-88	0.1	Field Crew	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/15/2018 7:29:00 PM	Total Dissolved Solids	n/a	=	880	mg/L	SM 2540 C	4	10	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/11/2018 10:27:00 AM	Total Organic Carbon	n/a	=	80	mg/L	SM 5310 B	0.016	0.1	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/12/2018 1:05:00 PM	Total Suspended Solids	n/a	=	450	mg/L	SM 2540 D	-88	5	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/10/2018 4:17:00 PM	Turbidity	n/a	=	730	NTU	EPA 180.1	2.4	10	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/12/2018 1:05:00 PM	Volatile Suspended Solids	n/a	=	140	mg/L	EPA 160.4	3.1	5	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/25/2018 12:07:00 PM	Diesel Range Organics	n/a	=	1.4	mg/L	EPA 8015D	0.048	0.2	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/18/2018 5:09:00 AM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	EST
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/19/2018 5:44:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/23/2018 9:47:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/24/2018 9:11:00 PM	Aluminum	Dissolved	=	31	µg/L	EPA 200.8	1.3	5	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/25/2018 3:33:00 PM	Aluminum	Total	=	110000	µg/L	EPA 200.8	52	200	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/24/2018 9:11:00 PM	Antimony	Dissolved	DNQ	0.34	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/24/2018 11:47:00 PM	Antimony	Total	DNQ	0.36	µg/L	EPA 200.8	0.09	1	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/24/2018 9:11:00 PM	Arsenic	Dissolved	=	3.4	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/24/2018 11:47:00 PM	Arsenic	Total	=	26	µg/L	EPA 200.8	0.15	0.8	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/25/2018 3:33:00 PM	Barium	Total	=	2500	µg/L	EPA 200.8	2.8	20	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/24/2018 9:11:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/24/2018 11:47:00 PM	Beryllium	Total	=	7.9	µg/L	EPA 200.8	0.066	0.2	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/24/2018 9:11:00 PM	Cadmium	Dissolved	DNQ	0.06	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/24/2018 11:47:00 PM	Cadmium	Total	=	2.7	µg/L	EPA 200.8	0.082	0.2	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/24/2018 9:11:00 PM	Chromium	Dissolved	DNQ	0.16	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/24/2018 11:47:00 PM	Chromium	Total	=	120	µg/L	EPA 200.8	0.07	0.4	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/16/2018 10:36:00 PM	Chromium VI	n/a	DNQ	0.0098	µg/L	EPA 218.6	0.0048	0.02	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/24/2018 9:11:00 PM	Copper	Dissolved	=	2.1	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/24/2018 11:47:00 PM	Copper	Total	=	140	µg/L	EPA 200.8	0.26	1	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/16/2018 7:44:00 PM	Iron	Dissolved	=	34	µg/L	EPA 200.7	1.1	10	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/17/2018 2:03:00 PM	Iron	Total	=	120000	µg/L	EPA 200.7	110	1000	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/24/2018 9:11:00 PM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/24/2018 11:47:00 PM	Lead	Total	=	150	µg/L	EPA 200.8	0.062	0.4	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/23/2018 2:03:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/23/2018 2:01:00 PM	Mercury	Total	=	500	ng/L	EPA 245.1	17	50	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/24/2018 9:11:00 PM	Nickel	Dissolved	=	5.2	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/24/2018 11:47:00 PM	Nickel	Total	=	140	µg/L	EPA 200.8	0.09	1.6	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/24/2018 9:11:00 PM	Selenium	Dissolved	=	1.8	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/24/2018 11:47:00 PM	Selenium	Total	=	3.2	µg/L	EPA 200.8	0.28	0.8	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/24/2018 9:11:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/24/2018 11:47:00 PM	Silver	Total	=	1.1	µg/L	EPA 200.8	0.12	0.4	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/24/2018 9:11:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/24/2018 11:47:00 PM	Thallium	Total	=	1.8	µg/L	EPA 200.8	0.028	0.4	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/24/2018 9:11:00 PM	Zinc	Dissolved	DNQ	2.1	µg/L	EPA 200.8	0.94	5	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/24/2018 11:47:00 PM	Zinc	Total	=	480	µg/L	EPA 200.8	1.9	10	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/19/2018 4:44:00 PM	Ammonia as N	n/a	=	2.2	mg/L	EPA 350.1	0.048	0.1	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/15/2018 12:13:00 PM	Nitrate + Nitrite as N	n/a	=	0.54	mg/L	EPA 353.2	0.083	0.2	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/15/2018 6:45:00 PM	Phosphorus as P	Dissolved	=	0.081	mg/L	EPA 365.1	0.0014	0.01	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/16/2018 11:38:00 AM	Phosphorus as P	Total	=	11	mg/L	EPA 365.1	0.14	1	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/26/2018 5:19:00 PM	TKN	n/a	=	26	mg/L	EPA 351.2	0.5	1	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/15/2018 7:01:00 PM	1,2,4-Trichlorobenzene	n/a	<	5.5	µg/L	EPA 625	5.5	10	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/15/2018 7:01:00 PM	1,2-Dichlorobenzene	n/a	<	5.7	µg/L	EPA 625	5.7	10	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/15/2018 7:01:00 PM	1,2-Diphenylhydrazine	n/a	<	2.5	µg/L	EPA 625	2.5	10	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/15/2018 7:01:00 PM	1,3-Dichlorobenzene	n/a	<	5.3	µg/L	EPA 625	5.3	10	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/15/2018 7:01:00 PM	1,4-Dichlorobenzene	n/a	<	5.5	µg/L	EPA 625	5.5	10	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	2/1/2018 8:36:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/29/2018 3:17:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/15/2018 7:01:00 PM	2,4,6-Trichlorophenol	n/a	<	2.2	µg/L	EPA 625	2.2	10	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/29/2018 3:17:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	EST-LCSRPD
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/29/2018 3:17:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	EST-LCSRPD
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/15/2018 7:01:00 PM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 625	2.6	10	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/29/2018 3:17:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	EST-LCSRPD
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/15/2018 7:01:00 PM	2,4-Dimethylphenol	n/a	<	3	µg/L	EPA 625	3	10	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/29/2018 3:17:00 PM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/15/2018 7:01:00 PM	2,4-Dinitrophenol	n/a	<	16	µg/L	EPA 625	16	100	WKL	EST-LCSRPD
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/15/2018 7:01:00 PM	2,4-Dinitrotoluene	n/a	<	1.8	µg/L	EPA 625	1.8	10	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/15/2018 7:01:00 PM	2,6-Dinitrotoluene	n/a	<	2.7	µg/L	EPA 625	2.7	10	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/12/2018 12:11:00 AM	2-Chloroethyl vinyl ether	n/a	<	2.8	µg/L	EPA 624	2.8	10	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/15/2018 7:01:00 PM	2-Chloronaphthalene	n/a	<	4.5	µg/L	EPA 625	4.5	10	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/29/2018 3:17:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/15/2018 7:01:00 PM	2-Chlorophenol	n/a	<	2.8	µg/L	EPA 625	2.8	10	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	2/1/2018 8:36:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/29/2018 3:17:00 PM	2-Methylphenol	n/a	=	2.6	µg/L	EPA 8270C	0.34	1	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/29/2018 3:17:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	EST-LCSRPD
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/15/2018 7:01:00 PM	2-Nitrophenol	n/a	<	2.6	µg/L	EPA 625	2.6	10	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/15/2018 7:01:00 PM	3,3'-Dichlorobenzidine	n/a	<	12	µg/L	EPA 625	12	50	WKL	EST-LCSRPD
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	2/1/2018 4:53:00 PM	3-/4-Methylphenol	n/a	=	3.9	µg/L	EPA 8270C	0.3	1	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/15/2018 7:01:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	17	µg/L	EPA 625	17	50	WKL	EST-LCSRPD
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/29/2018 3:17:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/15/2018 7:01:00 PM	4-Bromophenyl phenyl ether	n/a	<	3.6	µg/L	EPA 625	3.6	10	WKL	EST-LCSRPD
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/15/2018 7:01:00 PM	4-Chloro-3-methylphenol	n/a	<	2.3	µg/L	EPA 625	2.3	10	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/29/2018 3:17:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/15/2018 7:01:00 PM	4-Chlorophenyl phenyl ether	n/a	<	4.1	µg/L	EPA 625	4.1	10	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/15/2018 7:01:00 PM	4-Nitrophenol	n/a	<	4.5	µg/L	EPA 625	4.5	50	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/29/2018 3:17:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/15/2018 7:01:00 PM	Acenaphthene	n/a	<	3.8	µg/L	EPA 625	3.8	10	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	2/1/2018 8:36:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/15/2018 7:01:00 PM	Acenaphthylene	n/a	<	4	µg/L	EPA 625	4	10	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	2/1/2018 8:36:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/15/2018 7:01:00 PM	Anthracene	n/a	<	3.4	µg/L	EPA 625	3.4	10	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	2/1/2018 8:36:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	2/1/2018 8:36:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/15/2018 7:01:00 PM	Benz(a)anthracene	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	EST-LCSRPD
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/15/2018 7:01:00 PM	Benzo(a)pyrene	n/a	<	37	µg/L	EPA 625	37	100	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/23/2018 4:41:00 PM	Benzo(a)pyrene	n/a	<	0.7	µg/L	EPA 525.2	0.7	1	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/15/2018 7:01:00 PM	Benzo(a)pyrene	n/a	<	1.3	µg/L	EPA 625	1.3	10	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	2/1/2018 8:36:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	2/1/2018 8:36:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/15/2018 7:01:00 PM	Benzo(b)fluoranthene	n/a	<	1.4	µg/L	EPA 625	1.4	10	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	2/1/2018 8:36:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/15/2018 7:01:00 PM	Benzo(g,h,i)perylene	n/a	<	1	µg/L	EPA 625	1	20	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	2/1/2018 8:36:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/15/2018 7:01:00 PM	Benzo(k)fluoranthene	n/a	<	2.2	µg/L	EPA 625	2.2	10	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/15/2018 7:01:00 PM	Bis(2-chloroethoxy)methane	n/a	<	2.5	µg/L	EPA 625	2.5	10	WKL	EST-LCSRPD
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/15/2018 7:01:00 PM	Bis(2-chloroethyl)ether	n/a	<	2.7	µg/L	EPA 625	2.7	10	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/15/2018 7:01:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	3.8	µg/L	EPA 625	3.8	10	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/23/2018 4:41:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	1	µg/L	EPA 525.2	1	50	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/15/2018 7:01:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	23	µg/L	EPA 625	23	50	WKL	EST-LCSRPD
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/23/2018 4:41:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	11	µg/L	EPA 525.2	11	30	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/15/2018 7:01:00 PM	Butyl benzyl phthalate	n/a	<	1.8	µg/L	EPA 625	1.8	10	WKL	EST-LCSRPD
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	2/1/2018 8:36:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/15/2018 7:01:00 PM	Chrysene	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	2/1/2018 8:36:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/15/2018 7:01:00 PM	Dibenz(a,h)anthracene	n/a	<	0.8	µg/L	EPA 625	0.8	20	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/15/2018 7:01:00 PM	Diethyl phthalate	n/a	<	1.5	µg/L	EPA 625	1.5	10	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/15/2018 7:01:00 PM	Dimethyl phthalate	n/a	<	1.8	µg/L	EPA 625	1.8	10	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/15/2018 7:01:00 PM	Di-n-butylphthalate	n/a	<	2.4	µg/L	EPA 625	2.4	10	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/15/2018 7:01:00 PM	Di-n-octylphthalate	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/9/2018 7:01:00 PM	Fluoranthene	n/a	<	2.2	µg/L	EPA 625	2.2	10	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	2/1/2018 8:36:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	EST-LCSRPD
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	2/1/2018 8:36:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/15/2018 7:01:00 PM	Fluorene	n/a	<	3.5	µg/L	EPA 625	3.5	10	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/15/2018 7:01:00 PM	Hexachlorobenzene	n/a	<	4.9	µg/L	EPA 625	4.9	10	WKL	EST-LCSRPD
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/15/2018 7:01:00 PM	Hexachlorobutadiene	n/a	<	4.7	µg/L	EPA 625	4.7	10	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/15/2018 7:01:00 PM	Hexachlorocyclopentadiene	n/a	<	15	µg/L	EPA 625	15	50	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/15/2018 7:01:00 PM	Hexachloroethane	n/a	<	5.2	µg/L	EPA 625	5.2	10	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/15/2018 7:01:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	1.2	µg/L	EPA 625	1.2	20	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	2/1/2018 8:36:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/15/2018 7:01:00 PM	Isophorone	n/a	<	2.1	µg/L	EPA 625	2.1	10	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/12/2018 12:11:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	2.5	µg/L	EPA 624	2.5	10	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/15/2018 7:01:00 PM	Naphthalene	n/a	<	4.9	µg/L	EPA 625	4.9	10	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	2/1/2018 8:36:00 PM	Naphthalene	n/a	=	0.23	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/15/2018 7:01:00 PM	Nitrobenzene	n/a	<	3.6	µg/L	EPA 625	3.6	10	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/15/2018 7:01:00 PM	N-Nitrosodimethylamine	n/a	<	1.4	µg/L	EPA 625	1.4	10	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/15/2018 7:01:00 PM	N-Nitrosodi-N-propylamine	n/a	<	2.6	µg/L	EPA 625	2.6	10	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/15/2018 7:01:00 PM	N-Nitrosodiphenylamine	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	2/1/2018 8:36:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/15/2018 7:01:00 PM	Phenanthrene	n/a	<	3.2	µg/L	EPA 625	3.2	10	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/15/2018 7:01:00 PM	Phenol	n/a	=	17	µg/L	EPA 625	1.6	10	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/29/2018 3:17:00 PM	Phenol	n/a	=	4.6	µg/L	EPA 8270C	0.35	1	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	2/1/2018 8:36:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/15/2018 7:01:00 PM	Pyrene	n/a	<	2.5	µg/L	EPA 625	2.5	10	WKL	EST-LCSRPD
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/22/2018 11:19:00 PM	PCB Aroclor 1016	n/a	<	2.5	µg/L	EPA 608	2.5	25	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/22/2018 11:19:00 PM	PCB Aroclor 1221	n/a	<	3	µg/L	EPA 608	3	25	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/22/2018 11:19:00 PM	PCB Aroclor 1232	n/a	<	7.5	µg/L	EPA 608	7.5	25	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/22/2018 11:19:00 PM	PCB Aroclor 1242	n/a	<	3.5	µg/L	EPA 608	3.5	25	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/22/2018 11:19:00 PM	PCB Aroclor 1248	n/a	<	3	µg/L	EPA 608	3	25	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/22/2018 11:19:00 PM	PCB Aroclor 1254	n/a	<	2	µg/L	EPA 608	2	25	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/22/2018 11:19:00 PM	PCB Aroclor 1260	n/a	<	2	µg/L	EPA 608	2	25	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/12/2018 10:55:00 PM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/12/2018 10:55:00 PM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/12/2018 10:55:00 PM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/12/2018 10:55:00 PM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/12/2018 10:55:00 PM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/22/2018 11:19:00 PM	4,4'-DDD	n/a	<	0.15	µg/L	EPA 608	0.15	2.5	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/22/2018 11:19:00 PM	4,4'-DDE	n/a	<	0.12	µg/L	EPA 608	0.12	2.5	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/22/2018 11:19:00 PM	4,4'-DDT	n/a	<	0.16	µg/L	EPA 608	0.16	0.5	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/12/2018 10:55:00 PM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/23/2018 4:41:00 PM	Alachlor	n/a	<	0.22	µg/L	EPA 525.2	0.22	1	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/22/2018 11:19:00 PM	Aldrin	n/a	<	0.075	µg/L	EPA 608	0.075	0.25	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/22/2018 11:19:00 PM	alpha-BHC	n/a	<	0.09	µg/L	EPA 608	0.09	0.5	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/22/2018 11:19:00 PM	alpha-Chlordane	n/a	<	0.2	µg/L	EPA 608	0.2	0.5	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/23/2018 4:41:00 PM	Atrazine	n/a	<	0.34	µg/L	EPA 525.2	0.34	1	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	2/2/2018 9:53:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/12/2018 10:55:00 PM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/22/2018 11:19:00 PM	beta-BHC	n/a	<	0.16	µg/L	EPA 608	0.16	0.25	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	2/2/2018 9:53:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/23/2018 4:41:00 PM	Bromacil	n/a	<	0.38	µg/L	EPA 525.2	0.38	10	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/23/2018 4:41:00 PM	Butachlor	n/a	<	0.17	µg/L	EPA 525.2	0.17	2	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/23/2018 4:41:00 PM	Captan	n/a	<	8.6	µg/L	EPA 525.2	8.6	10	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/22/2018 11:19:00 PM	Chlordane (technical)	n/a	<	4	µg/L	EPA 608	4	5	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/23/2018 4:41:00 PM	Chloropropham	n/a	<	0.1	µg/L	EPA 525.2	0.1	1	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	2/2/2018 9:53:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	2/2/2018 9:53:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/23/2018 4:41:00 PM	Cyanazine	n/a	<	0.24	µg/L	EPA 525.2	0.24	1	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/12/2018 10:55:00 PM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/12/2018 10:55:00 PM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/22/2018 11:19:00 PM	delta-BHC	n/a	<	0.12	µg/L	EPA 608	0.12	0.25	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	2/2/2018 9:53:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	2/2/2018 9:53:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	2/2/2018 9:53:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/23/2018 4:41:00 PM	Diazinon	n/a	<	0.96	µg/L	EPA 525.2	0.96	1	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/12/2018 10:55:00 PM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/12/2018 10:55:00 PM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	2/2/2018 9:53:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/22/2018 11:19:00 PM	Dieldrin	n/a	<	0.1	µg/L	EPA 608	0.1	0.5	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	2/6/2018 6:02:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/23/2018 4:41:00 PM	Dimethoate	n/a	<	0.24	µg/L	EPA 525.2	0.24	2	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/12/2018 10:55:00 PM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/23/2018 4:41:00 PM	Diphenamid	n/a	<	0.24	µg/L	EPA 525.2	0.24	1	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/23/2018 4:41:00 PM	Disulfoton	n/a	<	0.31	µg/L	EPA 525.2	0.31	1	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	2/2/2018 9:53:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/22/2018 11:19:00 PM	Endosulfan I	n/a	<	0.085	µg/L	EPA 608	0.085	1	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/22/2018 11:19:00 PM	Endosulfan II	n/a	<	0.095	µg/L	EPA 608	0.095	0.5	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/22/2018 11:19:00 PM	Endosulfan sulfate	n/a	<	0.4	µg/L	EPA 608	0.4	2.5	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/22/2018 11:19:00 PM	Endrin	n/a	<	0.14	µg/L	EPA 608	0.14	0.5	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/22/2018 11:19:00 PM	Endrin aldehyde	n/a	<	0.15	µg/L	EPA 608	0.15	0.5	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/23/2018 4:41:00 PM	EPTC	n/a	<	0.17	µg/L	EPA 525.2	0.17	10	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	2/2/2018 9:53:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	2/2/2018 9:53:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	2/2/2018 9:53:00 PM	Fensulfthion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	2/2/2018 9:53:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/22/2018 11:19:00 PM	gamma-BHC (Lindane)	n/a	<	0.1	µg/L	EPA 608	0.1	1	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/22/2018 11:19:00 PM	gamma-Chlordane	n/a	<	0.22	µg/L	EPA 608	0.22	0.5	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/10/2018 7:32:00 PM	Glyphosate	n/a	<	36	µg/L	EPA 547	36	100	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/22/2018 11:19:00 PM	Heptachlor	n/a	<	0.085	µg/L	EPA 608	0.085	0.5	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/22/2018 11:19:00 PM	Heptachlor epoxide	n/a	<	0.095	µg/L	EPA 608	0.095	0.5	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	2/2/2018 9:53:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	2/2/2018 9:53:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/22/2018 11:19:00 PM	Methoxychlor	n/a	<	0.27	µg/L	EPA 608	0.27	1	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	2/2/2018 9:53:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/23/2018 4:41:00 PM	Metolachlor	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/23/2018 4:41:00 PM	Metribuzin	n/a	<	0.15	µg/L	EPA 525.2	0.15	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	2/2/2018 9:53:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/23/2018 4:41:00 PM	Molinate	n/a	<	0.39	µg/L	EPA 525.2	0.39	1	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	2/2/2018 9:53:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/29/2018 3:17:00 PM	Pentachlorophenol	n/a	DNQ	0.48	µg/L	EPA 8270C	0.15	1	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/12/2018 10:55:00 PM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/15/2018 7:01:00 PM	Pentachlorophenol	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	EST-LCSRPD
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	2/2/2018 9:53:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/12/2018 10:55:00 PM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/23/2018 4:41:00 PM	Prometon	n/a	<	0.24	µg/L	EPA 525.2	0.24	2	WKL	EST-LCSRPD
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/23/2018 4:41:00 PM	Prometryn	n/a	<	0.36	µg/L	EPA 525.2	0.36	1	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	2/2/2018 9:53:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/23/2018 4:41:00 PM	Simazine	n/a	<	0.15	µg/L	EPA 525.2	0.15	1	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	2/2/2018 9:53:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/23/2018 4:41:00 PM	Terbacil	n/a	<	5.5	µg/L	EPA 525.2	5.5	20	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/23/2018 4:41:00 PM	Thiobencarb	n/a	<	0.25	µg/L	EPA 525.2	0.25	2	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	2/2/2018 9:53:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/22/2018 11:19:00 PM	Toxaphene	n/a	<	6	µg/L	EPA 608	6	25	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	2/2/2018 9:53:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-VR2	2017/18-1	Wet	1/9/2018 11:10:00 AM	1/23/2018 4:41:00 PM	Trithion	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
ME-VR2	2017/18-2	Wet	3/2/2018 8:35:00 AM	3/3/2018 7:00:00 AM	E. Coli	n/a	=	450	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-VR2	2017/18-2	Wet	3/2/2018 8:35:00 AM	3/6/2018 11:35:00 AM	Fecal Coliform	n/a	=	240	MPN/100 mL	SM 9221 E	2	2	VCHCA	
ME-VR2	2017/18-2	Wet	3/2/2018 8:35:00 AM	3/3/2018 7:00:00 AM	Total Coliform	n/a	=	173290	MPN/100 mL	MMO-MUG	100	100	VCHCA	
ME-VR2	2017/18-2	Wet	3/2/2018 8:35:00 AM	3/2/2018 8:35:00 AM	Conductivity	n/a	=	884	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-VR2	2017/18-2	Wet	3/2/2018 8:35:00 AM	3/7/2018 4:36:00 PM	Cyanide	Total	=	0.0024	mg/L	ASTM D7511	0.0005	0.002	WKL	
ME-VR2	2017/18-2	Wet	3/2/2018 8:35:00 AM	3/2/2018 8:35:00 AM	DO	n/a	=	88.8	%	Field Meter	-88	0.1	Field Crew	
ME-VR2	2017/18-2	Wet	3/2/2018 8:35:00 AM	3/2/2018 8:35:00 AM	DO	n/a	=	8.72	mg/L	Field Meter	-88	0.3	Field Crew	
ME-VR2	2017/18-2	Wet	3/2/2018 8:35:00 AM	3/2/2018 8:35:00 AM	pH	n/a	=	7.14	pH Units	Field Meter	-88	0.01	Field Crew	
ME-VR2	2017/18-2	Wet	3/2/2018 8:35:00 AM	3/2/2018 8:35:00 AM	Salinity	n/a	=	600	mg/L	Field Meter	-88	100	Field Crew	
ME-VR2	2017/18-2	Wet	3/2/2018 8:35:00 AM	3/2/2018 8:35:00 AM	Specific Conductance	n/a	=	1150	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-VR2	2017/18-2	Wet	3/2/2018 8:35:00 AM	3/2/2018 8:35:00 AM	Temperature	n/a	=	12.8	°C	Field Meter	-88	0.1	Field Crew	
ME-VR2	2017/18-2	Wet	3/2/2018 8:35:00 AM	3/5/2018 7:35:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
ME-VR2	2017/18-2	Wet	3/2/2018 8:35:00 AM	3/13/2018 5:21:00 PM	Oil and Grease	n/a	DNQ	1.8	mg/L	EPA 1664A	1.3	5	WKL	
ME-VR2	2017/18-2	Wet	3/2/2018 8:35:00 AM	3/5/2018 4:32:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
ME-VR2	2017/18-2	Wet	3/2/2018 8:35:00 AM	3/5/2018 4:32:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/15/2018 7:00:00 PM	Chloride	n/a	=	39	mg/L	EPA 300.0	0.5	2.5	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/15/2018 7:00:00 PM	Fluoride	n/a	DNQ	0.3	mg/L	EPA 300.0	0.1	0.5	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/5/2018 4:45:00 PM	Perchlorate	n/a	<	2.8	µg/L	EPA 314.0	2.8	6	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/15/2018 7:00:00 PM	Sulfate	Total	=	170	mg/L	EPA 300.0	0.5	2.5	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/19/2018 3:41:00 PM	Calcium	Total	=	82.9	mg/L	EPA 200.7	0.016	0.1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/19/2018 3:41:00 PM	Magnesium	Total	=	24.1	mg/L	EPA 200.7	0.012	0.1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/19/2018 3:41:00 PM	Potassium	Total	=	7.5	mg/L	EPA 200.7	0.081	0.1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/19/2018 3:41:00 PM	Sodium	Total	=	37	mg/L	EPA 200.7	0.015	0.5	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/5/2018 3:47:00 PM	Alkalinity as CaCO3	n/a	=	150	mg/L	SM 2320 B	0.56	2	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/9/2018 12:10:00 PM	BOD	n/a	=	12	mg/L	SM 5210 B	2	2	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/13/2018 9:29:00 AM	COD	n/a	=	65	mg/L	EPA 410.4	0.73	5	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/13/2018 12:33:00 PM	Dissolved Inorganic Carbon	Dissolved	=	38	mg/L	SM 5310 B	0.5	0.5	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/9/2018 8:50:00 AM	Dissolved Organic Carbon	Dissolved	=	12	mg/L	SM 5310 B	0.016	0.1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/19/2018 3:41:00 PM	Hardness as CaCO3	Total	=	306	mg/L	EPA 200.7	0.0894	0.662	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/4/2018 7:25:00 PM	MBAS	n/a	=	0.058	mg/L	SM 5540 C	0.019	0.05	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/20/2018 3:40:00 PM	Phenolics	n/a	=	0.035	mg/L	EPA 420.4	0.0042	0.01	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/7/2018 4:04:00 PM	Specific Conductance	n/a	=	780	µmhos/cm	SM 2510 B	0.23	2	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/8/2018 5:49:00 PM	Total Dissolved Solids	n/a	=	540	mg/L	SM 2540 C	4	10	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/12/2018 10:51:00 AM	Total Organic Carbon	n/a	=	12	mg/L	SM 5310 B	0.016	0.1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/8/2018 5:55:00 PM	Total Suspended Solids	n/a	=	3100	mg/L	SM 2540 D	-88	5	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/4/2018 11:49:00 AM	Turbidity	n/a	=	540	NTU	EPA 180.1	0.6	2.5	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/8/2018 5:55:00 PM	Volatile Suspended Solids	n/a	=	360	mg/L	EPA 160.4	3.1	5	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/15/2018 8:58:00 PM	Diesel Range Organics	n/a	=	0.26	mg/L	EPA 8015D	0.024	0.1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/15/2018 8:58:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/19/2018 1:17:00 PM	Aluminum	Dissolved	=	15	µg/L	EPA 200.8	1.3	5	WKL	HB-MSR
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/19/2018 1:22:00 PM	Aluminum	Total	=	8700	µg/L	EPA 200.8	1.3	5	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/20/2018 12:42:00 PM	Antimony	Dissolved	<	0.045	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/20/2018 12:44:00 PM	Antimony	Total	DNQ	0.13	µg/L	EPA 200.8	0.045	0.5	WKL	LB-MSR
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/19/2018 1:17:00 PM	Arsenic	Dissolved	=	1.3	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/19/2018 1:22:00 PM	Arsenic	Total	=	4.9	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/19/2018 1:22:00 PM	Barium	Total	=	230	µg/L	EPA 200.8	0.071	0.5	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/20/2018 12:42:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/20/2018 12:44:00 PM	Beryllium	Total	=	0.46	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/19/2018 1:17:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/19/2018 1:22:00 PM	Cadmium	Total	=	0.24	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/19/2018 1:17:00 PM	Chromium	Dissolved	DNQ	0.12	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/19/2018 1:22:00 PM	Chromium	Total	=	10	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/14/2018 2:15:00 PM	Chromium VI	n/a	DNQ	0.078	µg/L	EPA 218.6	0.024	0.1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/19/2018 1:17:00 PM	Copper	Dissolved	=	1.5	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/19/2018 1:22:00 PM	Copper	Total	=	15	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/19/2018 2:57:00 PM	Iron	Dissolved	=	15	µg/L	EPA 200.7	1.1	10	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/19/2018 3:41:00 PM	Iron	Total	=	12000	µg/L	EPA 200.7	1.1	10	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/19/2018 1:17:00 PM	Lead	Dissolved	DNQ	0.032	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/19/2018 1:22:00 PM	Lead	Total	=	10	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/15/2018 1:30:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/15/2018 1:32:00 PM	Mercury	Total	DNQ	25	ng/L	EPA 245.1	17	50	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/19/2018 1:17:00 PM	Nickel	Dissolved	=	1.3	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/19/2018 1:22:00 PM	Nickel	Total	=	13	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/19/2018 1:17:00 PM	Selenium	Dissolved	=	0.7	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/19/2018 1:22:00 PM	Selenium	Total	=	0.9	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/19/2018 1:17:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/19/2018 1:22:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/19/2018 1:17:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/19/2018 1:22:00 PM	Thallium	Total	DNQ	0.1	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/19/2018 1:17:00 PM	Zinc	Dissolved	DNQ	1.2	µg/L	EPA 200.8	0.94	5	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/19/2018 1:22:00 PM	Zinc	Total	=	42	µg/L	EPA 200.8	0.94	5	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/14/2018 6:29:00 PM	Ammonia as N	n/a	DNQ	0.052	mg/L	EPA 350.1	0.048	0.1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/5/2018 4:15:00 PM	Nitrate + Nitrite as N	n/a	=	0.83	mg/L	EPA 353.2	0.083	0.2	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/19/2018 12:34:00 PM	Phosphorus as P	Dissolved	=	0.091	mg/L	EPA 365.1	0.0014	0.01	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/16/2018 11:59:00 AM	Phosphorus as P	Total	=	0.64	mg/L	EPA 365.1	0.0056	0.04	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/19/2018 3:16:00 PM	TKN	n/a	=	2.3	mg/L	EPA 351.2	0.1	0.2	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/15/2018 2:30:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/15/2018 2:30:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/15/2018 2:30:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/15/2018 2:30:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/15/2018 2:30:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/20/2018 6:02:00 AM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/26/2018 3:22:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/26/2018 3:22:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/15/2018 2:30:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/15/2018 2:30:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/26/2018 3:22:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/26/2018 3:22:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	-LCSRPD, LB-L EST-LCSRPD
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/15/2018 2:30:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/15/2018 2:30:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/26/2018 3:22:00 PM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/15/2018 2:30:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/15/2018 2:30:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/15/2018 2:30:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/26/2018 3:22:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/15/2018 2:30:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/20/2018 6:02:00 AM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/26/2018 3:22:00 PM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/26/2018 3:22:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/15/2018 2:30:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/15/2018 2:30:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/26/2018 3:22:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/15/2018 2:30:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/26/2018 3:22:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/15/2018 2:30:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/15/2018 2:30:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/26/2018 3:22:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/15/2018 2:30:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/15/2018 2:30:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/26/2018 3:22:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/20/2018 6:02:00 AM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/15/2018 2:30:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/15/2018 2:30:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/20/2018 6:02:00 AM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/15/2018 2:30:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/20/2018 6:02:00 AM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/20/2018 6:02:00 AM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/15/2018 2:30:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/15/2018 2:30:00 AM	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/20/2018 1:03:00 AM	Benzo(a)pyrene	n/a	<	0.35	µg/L	EPA 525.2	0.35	0.5	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/20/2018 6:02:00 AM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/15/2018 2:30:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/20/2018 6:02:00 AM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/15/2018 2:30:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/20/2018 6:02:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/15/2018 2:30:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/20/2018 6:02:00 AM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/15/2018 2:30:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/15/2018 2:30:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/15/2018 2:30:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/15/2018 2:30:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/20/2018 1:03:00 AM	Bis(2-ethylhexyl)adipate	n/a	<	0.52	µg/L	EPA 525.2	0.52	25	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/15/2018 2:30:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/20/2018 1:03:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	5.3	µg/L	EPA 525.2	5.3	15	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/15/2018 2:30:00 AM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/15/2018 2:30:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/20/2018 6:02:00 AM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/15/2018 2:30:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/20/2018 6:02:00 AM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/15/2018 2:30:00 AM	Diethyl phthalate	n/a	DNQ	0.59	µg/L	EPA 625	0.15	1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/15/2018 2:30:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/15/2018 2:30:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/15/2018 2:30:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/20/2018 6:02:00 AM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/15/2018 2:30:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/20/2018 6:02:00 AM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/15/2018 2:30:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/15/2018 2:30:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/15/2018 2:30:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/15/2018 2:30:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/15/2018 2:30:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/15/2018 2:30:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/20/2018 6:02:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/15/2018 2:30:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/15/2018 2:30:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/20/2018 6:02:00 AM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/15/2018 2:30:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/15/2018 2:30:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/15/2018 2:30:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/15/2018 2:30:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/15/2018 2:30:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/20/2018 6:02:00 AM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/15/2018 2:30:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/26/2018 3:22:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/15/2018 2:30:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/20/2018 6:02:00 AM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/20/2018 1:48:00 AM	PCB Aroclor 1016	n/a	<	0.1	µg/L	EPA 608	0.1	1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/20/2018 1:48:00 AM	PCB Aroclor 1221	n/a	<	0.12	µg/L	EPA 608	0.12	1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/20/2018 1:48:00 AM	PCB Aroclor 1232	n/a	<	0.3	µg/L	EPA 608	0.3	1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/20/2018 1:48:00 AM	PCB Aroclor 1242	n/a	<	0.14	µg/L	EPA 608	0.14	1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/20/2018 1:48:00 AM	PCB Aroclor 1248	n/a	<	0.12	µg/L	EPA 608	0.12	1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/20/2018 1:48:00 AM	PCB Aroclor 1254	n/a	<	0.08	µg/L	EPA 608	0.08	1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/20/2018 1:48:00 AM	PCB Aroclor 1260	n/a	<	0.08	µg/L	EPA 608	0.08	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/13/2018 2:30:00 PM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/13/2018 2:30:00 PM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/13/2018 2:30:00 PM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/13/2018 2:30:00 PM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/13/2018 2:30:00 PM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/20/2018 1:48:00 AM	4,4'-DDD	n/a	<	0.006	µg/L	EPA 608	0.006	0.1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/20/2018 1:48:00 AM	4,4'-DDE	n/a	<	0.005	µg/L	EPA 608	0.005	0.1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/20/2018 1:48:00 AM	4,4'-DDT	n/a	<	0.0062	µg/L	EPA 608	0.0062	0.02	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/13/2018 2:30:00 PM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/20/2018 1:03:00 AM	Alachlor	n/a	<	0.11	µg/L	EPA 525.2	0.11	0.5	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/20/2018 1:48:00 AM	Aldrin	n/a	<	0.003	µg/L	EPA 608	0.003	0.01	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/20/2018 1:48:00 AM	alpha-BHC	n/a	<	0.0036	µg/L	EPA 608	0.0036	0.02	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/20/2018 1:48:00 AM	alpha-Chlordane	n/a	<	0.0082	µg/L	EPA 608	0.0082	0.02	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/20/2018 1:03:00 AM	Atrazine	n/a	<	0.17	µg/L	EPA 525.2	0.17	0.5	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/9/2018 2:04:00 AM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/13/2018 2:30:00 PM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/20/2018 1:48:00 AM	beta-BHC	n/a	<	0.0062	µg/L	EPA 608	0.0062	0.01	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/9/2018 2:04:00 AM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/20/2018 1:03:00 AM	Bromacil	n/a	<	0.19	µg/L	EPA 525.2	0.19	5	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/20/2018 1:03:00 AM	Butachlor	n/a	<	0.085	µg/L	EPA 525.2	0.085	1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/20/2018 1:03:00 AM	Captan	n/a	<	4.3	µg/L	EPA 525.2	4.3	5	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/20/2018 1:03:00 AM	Chlordane (technical)	n/a	<	0.16	µg/L	EPA 608	0.16	0.2	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/20/2018 1:03:00 AM	Chlorpropham	n/a	<	0.05	µg/L	EPA 525.2	0.05	0.5	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/9/2018 2:04:00 AM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/9/2018 2:04:00 AM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/20/2018 1:03:00 AM	Cyanazine	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/13/2018 2:30:00 PM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/13/2018 2:30:00 PM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/20/2018 1:48:00 AM	delta-BHC	n/a	<	0.005	µg/L	EPA 608	0.005	0.01	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/9/2018 2:04:00 AM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/9/2018 2:04:00 AM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/20/2018 1:03:00 AM	Diazinon	n/a	<	0.48	µg/L	EPA 525.2	0.48	0.5	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/9/2018 2:04:00 AM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/13/2018 2:30:00 PM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/13/2018 2:30:00 PM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/9/2018 2:04:00 AM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/20/2018 1:48:00 AM	Dieldrin	n/a	<	0.0042	µg/L	EPA 608	0.0042	0.02	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/9/2018 2:04:00 AM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/21/2018 4:13:00 AM	Dimethoate	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/13/2018 2:30:00 PM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/20/2018 1:03:00 AM	Diphenamid	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/9/2018 2:04:00 AM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/20/2018 1:03:00 AM	Disulfoton	n/a	<	0.16	µg/L	EPA 525.2	0.16	0.5	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/20/2018 1:48:00 AM	Endosulfan I	n/a	<	0.0034	µg/L	EPA 608	0.0034	0.04	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/20/2018 1:48:00 AM	Endosulfan II	n/a	<	0.0038	µg/L	EPA 608	0.0038	0.02	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/20/2018 1:48:00 AM	Endosulfan sulfate	n/a	<	0.016	µg/L	EPA 608	0.016	0.1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/20/2018 1:48:00 AM	Endrin	n/a	<	0.0056	µg/L	EPA 608	0.0056	0.02	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/20/2018 1:48:00 AM	Endrin aldehyde	n/a	<	0.006	µg/L	EPA 608	0.006	0.02	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/20/2018 1:03:00 AM	EPTC	n/a	<	0.085	µg/L	EPA 525.2	0.085	5	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/9/2018 2:04:00 AM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/9/2018 2:04:00 AM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/9/2018 2:04:00 AM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/9/2018 2:04:00 AM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/20/2018 1:48:00 AM	gamma-BHC (Lindane)	n/a	<	0.0042	µg/L	EPA 608	0.0042	0.04	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/20/2018 1:48:00 AM	gamma-Chlordane	n/a	<	0.0088	µg/L	EPA 608	0.0088	0.02	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/9/2018 6:39:00 PM	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/20/2018 1:48:00 AM	Heptachlor	n/a	<	0.0034	µg/L	EPA 608	0.0034	0.02	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/20/2018 1:48:00 AM	Heptachlor epoxide	n/a	<	0.0038	µg/L	EPA 608	0.0038	0.02	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/9/2018 2:04:00 AM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/9/2018 2:04:00 AM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/20/2018 1:48:00 AM	Methoxychlor	n/a	<	0.011	µg/L	EPA 608	0.011	0.04	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/9/2018 2:04:00 AM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/20/2018 1:03:00 AM	Metolachlor	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.5	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/20/2018 1:03:00 AM	Metribuzin	n/a	<	0.075	µg/L	EPA 525.2	0.075	0.5	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/9/2018 2:04:00 AM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/20/2018 1:03:00 AM	Molinate	n/a	<	0.2	µg/L	EPA 525.2	0.2	0.5	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/9/2018 2:04:00 AM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/26/2018 3:22:00 PM	Pentachlorophenol	n/a	DNQ	0.46	µg/L	EPA 8270C	0.15	1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/13/2018 2:30:00 PM	Pentachlorophenol	n/a	DNQ	0.065	µg/L	EPA 515.3	0.04	0.2	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/15/2018 2:30:00 AM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/9/2018 2:04:00 AM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/13/2018 2:30:00 PM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/20/2018 1:03:00 AM	Prometon	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/20/2018 1:03:00 AM	Prometryn	n/a	<	0.18	µg/L	EPA 525.2	0.18	0.5	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/9/2018 2:04:00 AM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/20/2018 1:03:00 AM	Simazine	n/a	<	0.075	µg/L	EPA 525.2	0.075	0.5	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/9/2018 2:04:00 AM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/20/2018 1:03:00 AM	Terbacil	n/a	<	2.8	µg/L	EPA 525.2	2.8	10	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/21/2018 4:13:00 AM	Thiobencarb	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/9/2018 2:04:00 AM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/20/2018 1:48:00 AM	Toxaphene	n/a	<	0.24	µg/L	EPA 608	0.24	1	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/9/2018 2:04:00 AM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-VR2	2017/18-2	Wet	3/3/2018 9:07:00 AM	3/20/2018 1:03:00 AM	Trithion	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.5	WKL	
ME-VR2	2017/18-3	Wet	3/10/2018 8:50:00 PM	3/11/2018 11:34:00 PM	E. Coli	n/a	=	359	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-VR2	2017/18-3	Wet	3/10/2018 8:50:00 PM	3/13/2018 9:30:00 PM	Fecal Coliform	n/a	=	790	MPN/100 mL	SM 9221 E	2	2	VCHCA	
ME-VR2	2017/18-3	Wet	3/10/2018 8:50:00 PM	3/10/2018 8:50:00 PM	Conductivity	n/a	=	930	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-VR2	2017/18-3	Wet	3/10/2018 8:50:00 PM	3/19/2018 4:29:00 PM	Cyanide	Total	DNQ	0.0005	mg/L	ASTM D7511	0.0005	0.002	WKL	
ME-VR2	2017/18-3	Wet	3/10/2018 8:50:00 PM	3/10/2018 8:50:00 PM	DO	n/a	=	86.6	%	Field Meter	-88	0.1	Field Crew	
ME-VR2	2017/18-3	Wet	3/10/2018 8:50:00 PM	3/10/2018 8:50:00 PM	DO	n/a	=	8.86	mg/L	Field Meter	-88	0.3	Field Crew	
ME-VR2	2017/18-3	Wet	3/10/2018 8:50:00 PM	3/10/2018 8:50:00 PM	pH	n/a	=	8.05	pH Units	Field Meter	-88	0.01	Field Crew	
ME-VR2	2017/18-3	Wet	3/10/2018 8:50:00 PM	3/10/2018 8:50:00 PM	Salinity	n/a	=	600	mg/L	Field Meter	-88	100	Field Crew	
ME-VR2	2017/18-3	Wet	3/10/2018 8:50:00 PM	3/10/2018 8:50:00 PM	Specific Conductance	n/a	=	1145	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-VR2	2017/18-3	Wet	3/10/2018 8:50:00 PM	3/10/2018 8:50:00 PM	Temperature	n/a	=	15.2	°C	Field Meter	-88	0.1	Field Crew	
ME-VR2	2017/18-3	Wet	3/10/2018 8:50:00 PM	3/16/2018 2:04:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
ME-VR2	2017/18-3	Wet	3/10/2018 8:50:00 PM	3/27/2018 6:07:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
ME-VR2	2017/18-3	Wet	3/10/2018 8:50:00 PM	3/13/2018 4:38:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2017/18-3	Wet	3/10/2018 8:50:00 PM	3/13/2018 4:38:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/21/2018 2:00:00 PM	Chloride	n/a	=	57	mg/L	EPA 300.0	0.2	1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/21/2018 2:00:00 PM	Fluoride	n/a	=	0.32	mg/L	EPA 300.0	0.04	0.2	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/12/2018 5:15:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/24/2018 11:00:00 PM	Sulfate	Total	=	240	mg/L	EPA 300.0	0.5	2.5	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/26/2018 7:15:00 PM	Calcium	Total	=	119	mg/L	EPA 200.7	0.016	0.1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/26/2018 7:15:00 PM	Magnesium	Total	=	34	mg/L	EPA 200.7	0.012	0.1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/26/2018 7:15:00 PM	Potassium	Total	=	4.9	mg/L	EPA 200.7	0.081	0.1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/26/2018 7:15:00 PM	Sodium	Total	=	56	mg/L	EPA 200.7	0.015	0.5	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/12/2018 1:51:00 PM	Alkalinity as CaCO3	n/a	=	220	mg/L	SM 2320 B	0.56	2	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/17/2018 7:25:00 PM	BOD	n/a	=	6.3	mg/L	SM 5210 B	2	2	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/19/2018 7:36:00 PM	COD	n/a	=	20	mg/L	EPA 410.4	0.73	5	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/15/2018 1:47:00 PM	Dissolved Inorganic Carbon	Dissolved	=	54	mg/L	SM 5310 B	0.5	0.5	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/19/2018 8:44:00 AM	Dissolved Organic Carbon	Dissolved	=	6.9	mg/L	SM 5310 B	0.016	0.1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/26/2018 7:15:00 PM	Hardness as CaCO3	Total	=	437	mg/L	EPA 200.7	0.0894	0.662	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/12/2018 4:40:00 PM	MBAS	n/a	DNQ	0.037	mg/L	SM 5540 C	0.019	0.05	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/27/2018 3:58:00 PM	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/14/2018 5:40:00 PM	Specific Conductance	n/a	=	1100	µmhos/cm	SM 2510 B	0.23	2	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/15/2018 5:49:00 PM	Total Dissolved Solids	n/a	=	700	mg/L	SM 2540 C	4	10	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 10:17:00 AM	Total Organic Carbon	n/a	=	5.2	mg/L	SM 5310 B	0.016	0.1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/14/2018 1:40:00 PM	Total Suspended Solids	n/a	=	130	mg/L	SM 2540 D	-88	5	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/12/2018 10:00:00 AM	Turbidity	n/a	=	34	NTU	EPA 180.1	0.024	0.1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/14/2018 1:40:00 PM	Volatile Suspended Solids	n/a	=	19	mg/L	EPA 160.4	3.1	5	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/19/2018 9:46:00 PM	Diesel Range Organics	n/a	DNQ	0.086	mg/L	EPA 8015D	0.024	0.1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/19/2018 9:46:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	4/2/2018 10:00:00 PM	Aluminum	Dissolved	=	11	µg/L	EPA 200.8	1.3	5	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	4/2/2018 9:01:00 PM	Aluminum	Total	=	3300	µg/L	EPA 200.8	1.3	5	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/30/2018 11:52:00 PM	Antimony	Dissolved	DNQ	0.1	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/31/2018	Antimony	Total	DNQ	0.18	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/30/2018 11:52:00 PM	Arsenic	Dissolved	=	0.95	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/31/2018	Arsenic	Total	=	2.4	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/31/2018	Barium	Total	=	110	µg/L	EPA 200.8	0.071	0.5	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/30/2018 11:52:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/31/2018	Beryllium	Total	=	0.18	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/30/2018 11:52:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/31/2018	Cadmium	Total	=	0.1	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/30/2018 11:52:00 PM	Chromium	Dissolved	DNQ	0.08	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/31/2018	Chromium	Total	=	4.2	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/15/2018 6:25:00 PM	Chromium VI	n/a	DNQ	0.077	µg/L	EPA 218.6	0.024	0.1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/30/2018 11:52:00 PM	Copper	Dissolved	=	0.92	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/31/2018	Copper	Total	=	6.7	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/26/2018 6:36:00 PM	Iron	Dissolved	DNQ	6	µg/L	EPA 200.7	1.1	10	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/26/2018 7:15:00 PM	Iron	Total	=	5700	µg/L	EPA 200.7	1.1	10	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/30/2018 11:52:00 PM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/31/2018	Lead	Total	=	3.7	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/23/2018 3:49:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/23/2018 3:51:00 PM	Mercury	Total	<	17	ng/L	EPA 245.1	17	50	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/30/2018 11:52:00 PM	Nickel	Dissolved	=	0.97	µg/L	EPA 200.8	0.045	0.8	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/31/2018	Nickel	Total	=	5.6	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	4/2/2018 8:57:00 PM	Selenium	Dissolved	=	1.1	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	4/2/2018 9:01:00 PM	Selenium	Total	=	1.1	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/30/2018 11:52:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/31/2018	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/30/2018 11:52:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/31/2018	Thallium	Total	DNQ	0.05	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/30/2018 11:52:00 PM	Zinc	Dissolved	DNQ	1	µg/L	EPA 200.8	0.94	5	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/31/2018	Zinc	Total	=	18	µg/L	EPA 200.8	0.94	5	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/21/2018 8:47:00 PM	Ammonia as N Nitrate + Nitrite as N Phosphorus as P Phosphorus as P	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/25/2018 10:07:00 AM		n/a	=	0.49	mg/L	EPA 353.2	0.083	0.2	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/27/2018 5:48:00 PM		Dissolved	=	0.037	mg/L	EPA 365.1	0.0014	0.01	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 11:54:00 AM		Total	=	0.24	mg/L	EPA 365.1	0.0028	0.02	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/23/2018 3:23:00 PM	TKN	n/a	=	0.82	mg/L	EPA 351.2	0.05	0.1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 3:00:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 3:00:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 3:00:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 3:00:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 3:00:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/27/2018 4:10:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/23/2018 5:21:00 AM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 3:00:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/23/2018 5:21:00 AM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 3:00:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/23/2018 5:21:00 AM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/23/2018 5:21:00 AM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 3:00:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	EST-LCSRPD
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 3:00:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/23/2018 5:21:00 AM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	EST-LCSRPD
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 3:00:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 3:00:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 3:00:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/23/2018 5:21:00 AM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 3:00:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/27/2018 4:10:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/23/2018 5:21:00 AM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/23/2018 5:21:00 AM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 3:00:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 3:00:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/23/2018 5:21:00 AM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/23/2018 5:21:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	EST-LCSRPD
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 3:00:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 3:00:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/23/2018 5:21:00 AM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 3:00:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 3:00:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 3:00:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/23/2018 5:21:00 AM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	EST-LCSRPD

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/27/2018 4:10:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 3:00:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 3:00:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/27/2018 4:10:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/27/2018 4:10:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 3:00:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 3:00:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/27/2018 4:10:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 3:00:00 AM	Benidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/27/2018 4:10:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 3:00:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 3:25:00 PM	Benzo(a)pyrene	n/a	<	0.35	µg/L	EPA 525.2	0.35	0.5	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/27/2018 4:10:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 3:00:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/27/2018 4:10:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 3:00:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 3:00:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/27/2018 4:10:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 3:00:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 3:00:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 3:00:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 3:00:00 AM	Bis(2-ethylhexyl)adipate	n/a	<	0.52	µg/L	EPA 525.2	0.52	25	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 3:25:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	5.3	µg/L	EPA 525.2	5.3	15	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 3:00:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 3:00:00 AM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 3:00:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/27/2018 4:10:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/27/2018 4:10:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 3:00:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 3:00:00 AM	Diethyl phthalate	n/a	DNQ	0.68	µg/L	EPA 625	0.15	1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 3:00:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 3:00:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 3:00:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 3:00:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/27/2018 4:10:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 3:00:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/27/2018 4:10:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 10:00:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 3:00:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 3:00:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 3:00:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/27/2018 4:10:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 3:00:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 3:00:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/27/2018 4:10:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 3:00:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 3:00:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 3:00:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 3:00:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 3:00:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 3:00:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/27/2018 4:10:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/23/2018 5:21:00 AM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 3:00:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 3:00:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/27/2018 4:10:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/24/2018 8:22:00 PM	PCB Aroclor 1016	n/a	<	0.1	µg/L	EPA 608	0.1	1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/24/2018 8:22:00 PM	PCB Aroclor 1221	n/a	<	0.12	µg/L	EPA 608	0.12	1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/24/2018 8:22:00 PM	PCB Aroclor 1232	n/a	<	0.3	µg/L	EPA 608	0.3	1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/24/2018 8:22:00 PM	PCB Aroclor 1242	n/a	<	0.14	µg/L	EPA 608	0.14	1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/24/2018 8:22:00 PM	PCB Aroclor 1248	n/a	<	0.12	µg/L	EPA 608	0.12	1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/24/2018 8:22:00 PM	PCB Aroclor 1254	n/a	<	0.08	µg/L	EPA 608	0.08	1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/24/2018 8:22:00 PM	PCB Aroclor 1260	n/a	<	0.08	µg/L	EPA 608	0.08	1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/17/2018 3:49:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/17/2018 3:49:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/17/2018 3:49:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/17/2018 3:49:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/17/2018 3:49:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/24/2018 8:22:00 PM	4,4'-DDD	n/a	<	0.006	µg/L	EPA 608	0.006	0.1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/24/2018 8:22:00 PM	4,4'-DDE	n/a	<	0.005	µg/L	EPA 608	0.005	0.1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/24/2018 8:22:00 PM	4,4'-DDT	n/a	<	0.0062	µg/L	EPA 608	0.0062	0.02	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/17/2018 3:49:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 3:25:00 PM	Alachlor	n/a	<	0.11	µg/L	EPA 525.2	0.11	0.5	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/24/2018 8:22:00 PM	Aldrin	n/a	<	0.003	µg/L	EPA 608	0.003	0.01	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/24/2018 8:22:00 PM	alpha-BHC	n/a	<	0.0036	µg/L	EPA 608	0.0036	0.02	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/24/2018 8:22:00 PM	alpha-Chlordane	n/a	<	0.0082	µg/L	EPA 608	0.0082	0.02	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 3:25:00 PM	Atrazine	n/a	<	0.17	µg/L	EPA 525.2	0.17	0.5	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/19/2018 3:19:00 PM	Azinphos methyl	n/a	<	0.028	µg/L	EPA 525.2m	0.028	0.05	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/17/2018 3:49:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/24/2018 8:22:00 PM	beta-BHC	n/a	<	0.0062	µg/L	EPA 608	0.0062	0.01	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/19/2018 3:19:00 PM	Bolstar	n/a	<	0.023	µg/L	EPA 525.2m	0.023	0.05	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 3:25:00 PM	Bromacil	n/a	<	0.19	µg/L	EPA 525.2	0.19	5	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 3:25:00 PM	Butachlor	n/a	<	0.085	µg/L	EPA 525.2	0.085	1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 3:25:00 PM	Captan	n/a	<	4.3	µg/L	EPA 525.2	4.3	5	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/24/2018 8:22:00 PM	Chlordane (technical)	n/a	<	0.16	µg/L	EPA 608	0.16	0.2	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 3:25:00 PM	Chlorpropham	n/a	<	0.05	µg/L	EPA 525.2	0.05	0.5	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/19/2018 3:19:00 PM	Chlorpyrifos	n/a	<	0.034	µg/L	EPA 525.2m	0.034	0.05	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/19/2018 3:19:00 PM	Coumaphos	n/a	<	0.026	µg/L	EPA 525.2m	0.026	0.05	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 3:25:00 PM	Cyanazine	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/17/2018 3:49:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/17/2018 3:49:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/24/2018 8:22:00 PM	delta-BHC	n/a	<	0.005	µg/L	EPA 608	0.005	0.01	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/19/2018 3:19:00 PM	Demeton-O	n/a	<	0.05	µg/L	EPA 525.2m	0.05	0.05	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/19/2018 3:19:00 PM	Demeton-S	n/a	<	0.05	µg/L	EPA 525.2m	0.05	0.05	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 3:25:00 PM	Diazinon	n/a	<	0.48	µg/L	EPA 525.2	0.48	0.5	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/19/2018 3:19:00 PM	Diazinon	n/a	<	0.026	µg/L	EPA 525.2m	0.026	0.05	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/17/2018 3:49:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/17/2018 3:49:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/19/2018 3:19:00 PM	Dichlorvos	n/a	<	0.014	µg/L	EPA 525.2m	0.014	0.05	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/24/2018 8:22:00 PM	Dieldrin	n/a	<	0.0042	µg/L	EPA 608	0.0042	0.02	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/19/2018 3:19:00 PM	Dimethoate	n/a	<	0.031	µg/L	EPA 525.2m	0.031	0.05	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 3:25:00 PM	Dimethoate	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/17/2018 3:49:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 3:25:00 PM	Diphenamid	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/19/2018 3:19:00 PM	Disulfoton	n/a	<	0.05	µg/L	EPA 525.2m	0.05	0.05	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 3:25:00 PM	Disulfoton	n/a	<	0.16	µg/L	EPA 525.2	0.16	0.5	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/24/2018 8:22:00 PM	Endosulfan I	n/a	<	0.0034	µg/L	EPA 608	0.0034	0.04	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/24/2018 8:22:00 PM	Endosulfan II	n/a	<	0.0038	µg/L	EPA 608	0.0038	0.02	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/24/2018 8:22:00 PM	Endosulfan sulfate	n/a	<	0.016	µg/L	EPA 608	0.016	0.1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/24/2018 8:22:00 PM	Endrin	n/a	<	0.0056	µg/L	EPA 608	0.0056	0.02	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/24/2018 8:22:00 PM	Endrin aldehyde	n/a	<	0.006	µg/L	EPA 608	0.006	0.02	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 3:25:00 PM	EPTC	n/a	<	0.085	µg/L	EPA 525.2	0.085	5	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/19/2018 3:19:00 PM	Ethoprop	n/a	<	0.034	µg/L	EPA 525.2m	0.034	0.05	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/19/2018 3:19:00 PM	Ethyl parathion	n/a	<	0.027	µg/L	EPA 525.2m	0.027	0.05	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/19/2018 3:19:00 PM	Fensulfothion	n/a	<	0.014	µg/L	EPA 525.2m	0.014	0.05	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/19/2018 3:19:00 PM	Fenthion	n/a	<	0.019	µg/L	EPA 525.2m	0.019	0.05	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/24/2018 8:22:00 PM	gamma-BHC (Lindane)	n/a	<	0.0042	µg/L	EPA 608	0.0042	0.04	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/24/2018 8:22:00 PM	gamma-Chlordane	n/a	<	0.0088	µg/L	EPA 608	0.0088	0.02	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 10:28:00 PM	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/24/2018 8:22:00 PM	Heptachlor	n/a	<	0.0034	µg/L	EPA 608	0.0034	0.02	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/24/2018 8:22:00 PM	Heptachlor epoxide	n/a	<	0.0038	µg/L	EPA 608	0.0038	0.02	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/19/2018 3:19:00 PM	Malathion	n/a	<	0.038	µg/L	EPA 525.2m	0.038	0.05	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/19/2018 3:19:00 PM	Merphos	n/a	<	0.029	µg/L	EPA 525.2m	0.029	0.05	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/24/2018 8:22:00 PM	Methoxychlor	n/a	<	0.011	µg/L	EPA 608	0.011	0.04	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/19/2018 3:19:00 PM	Methyl parathion	n/a	<	0.032	µg/L	EPA 525.2m	0.032	0.05	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 3:25:00 PM	Metolachlor	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.5	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 3:25:00 PM	Metribuzin	n/a	<	0.075	µg/L	EPA 525.2	0.075	0.5	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/19/2018 3:19:00 PM	Mevinphos	n/a	<	0.021	µg/L	EPA 525.2m	0.021	0.05	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 3:25:00 PM	Molinate	n/a	<	0.2	µg/L	EPA 525.2	0.2	0.5	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/19/2018 3:19:00 PM	Naled	n/a	<	0.038	µg/L	EPA 525.2m	0.038	0.05	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 3:00:00 AM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/17/2018 3:49:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/23/2018 5:21:00 AM	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1	WKL	EST-LCSRPD
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/19/2018 3:19:00 PM	Phorate	n/a	<	0.015	µg/L	EPA 525.2m	0.015	0.05	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/17/2018 3:49:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 3:25:00 PM	Prometon	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	EST-LCSRPD
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 3:25:00 PM	Prometryn	n/a	<	0.18	µg/L	EPA 525.2	0.18	0.5	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/19/2018 3:19:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.02	µg/L	EPA 525.2m	0.02	0.05	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 3:25:00 PM	Simazine	n/a	<	0.075	µg/L	EPA 525.2	0.075	0.5	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/19/2018 3:19:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.016	µg/L	EPA 525.2m	0.016	0.05	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 3:25:00 PM	Terbacil	n/a	<	2.8	µg/L	EPA 525.2	2.8	10	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 3:25:00 PM	Thiobencarb	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/19/2018 3:19:00 PM	Tokuthion	n/a	<	0.039	µg/L	EPA 525.2m	0.039	0.05	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/24/2018 8:22:00 PM	Toxaphene	n/a	<	0.24	µg/L	EPA 608	0.24	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/19/2018 3:19:00 PM	Trichloronate	n/a	<	0.034	µg/L	EPA 525.2m	0.034	0.05	WKL	
ME-VR2	2017/18-3	Wet	3/11/2018 10:00:00 AM	3/22/2018 3:25:00 PM	Trithion	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.5	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/27/2018 11:00:00 AM	Chloride	n/a	=	58	mg/L	EPA 300.0	0.5	2.5	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/27/2018 11:00:00 AM	Fluoride	n/a	DNQ	0.32	mg/L	EPA 300.0	0.1	0.5	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/6/2018 3:09:00 AM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/27/2018 11:00:00 AM	Sulfate	Total	=	280	mg/L	EPA 300.0	0.5	2.5	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/27/2018 10:50:00 AM	Calcium	Total	=	137	mg/L	EPA 200.7	0.016	0.1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/27/2018 10:50:00 AM	Magnesium	Total	=	43.1	mg/L	EPA 200.7	0.012	0.1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/27/2018 10:50:00 AM	Potassium	Total	=	2.4	mg/L	EPA 200.7	0.081	0.1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/27/2018 10:50:00 AM	Sodium	Total	=	69	mg/L	EPA 200.7	0.015	0.5	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/28/2018 3:20:00 PM	Alkalinity as CaCO3	n/a	=	220	mg/L	SM 2320 B	0.56	2	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/27/2018 8:03:00 PM	BOD	n/a	<	2	mg/L	SM 5210 B	2	2	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/27/2018 1:44:00 PM	COD	n/a	=	8.6	mg/L	EPA 410.4	0.73	5	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 10:11:00 AM	Dissolved Inorganic Carbon	Dissolved	=	60	mg/L	SM 5310 B	0.5	0.5	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/27/2018 1:20:00 PM	Dissolved Organic Carbon	Dissolved	=	2.1	mg/L	SM 5310 B	0.016	0.1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/27/2018 10:50:00 AM	Hardness as CaCO3	Total	=	520	mg/L	EPA 200.7	0.0894	0.662	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/22/2018 5:51:00 PM	MBAS	n/a	DNQ	0.031	mg/L	SM 5540 C	0.019	0.05	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/5/2018 4:35:00 PM	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/25/2018 4:38:00 PM	Specific Conductance	n/a	=	1200	µmhos/cm	SM 2510 B	0.23	2	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/21/2018 7:01:00 PM	Total Chlorine Residual	n/a	DNQ	0.019	mg/L	SM 4500-Cl G	0.0015	0.05	WKL	EST-HT
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/27/2018 5:45:00 PM	Total Dissolved Solids	n/a	=	830	mg/L	SM 2540 C	4	10	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/28/2018 1:03:00 PM	Total Organic Carbon	n/a	=	2.7	mg/L	SM 5310 B	0.016	0.1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/25/2018 2:06:00 PM	Total Suspended Solids	n/a	=	6	mg/L	SM 2540 D	-88	5	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/21/2018 6:14:00 PM	Turbidity	n/a	=	2.6	NTU	EPA 180.1	0.024	0.1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/25/2018 2:06:00 PM	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/28/2018 7:56:00 PM	Diesel Range Organics	n/a	DNQ	0.044	mg/L	EPA 8015D	0.024	0.1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/28/2018 7:56:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 6:05:00 PM	Aluminum	Dissolved	DNQ	1.6	µg/L	EPA 200.8	1.3	5	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/27/2018 10:22:00 PM	Aluminum	Total	=	80	µg/L	EPA 200.8	1.3	5	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/27/2018 10:15:00 PM	Antimony	Dissolved	DNQ	0.09	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/27/2018 10:22:00 PM	Antimony	Total	DNQ	0.09	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/27/2018 10:15:00 PM	Arsenic	Dissolved	=	0.69	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/27/2018 10:22:00 PM	Arsenic	Total	=	0.8	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/27/2018 10:22:00 PM	Barium	Total	=	64	µg/L	EPA 200.8	0.071	0.5	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/28/2018 12:06:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/28/2018 12:18:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/27/2018 10:15:00 PM	Cadmium	Dissolved	DNQ	0.07	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/27/2018 10:22:00 PM	Cadmium	Total	DNQ	0.09	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/27/2018 10:15:00 PM	Chromium	Dissolved	<	0.035	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/27/2018 10:22:00 PM	Chromium	Total	DNQ	0.14	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	8/2/2018 4:51:00 PM	Chromium VI	n/a	=	0.044	µg/L	EPA 218.6	0.0096	0.04	WKL	EST-HT
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/27/2018 10:15:00 PM	Copper	Dissolved	=	0.52	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/27/2018 10:22:00 PM	Copper	Total	=	0.68	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/27/2018 10:30:00 AM	Iron	Dissolved	=	23	µg/L	EPA 200.7	1.1	10	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/27/2018 10:50:00 AM	Iron	Total	=	210	µg/L	EPA 200.7	1.1	10	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/27/2018 10:15:00 PM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/27/2018 10:22:00 PM	Lead	Total	DNQ	0.11	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/2/2018 4:08:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/2/2018 4:10:00 PM	Mercury	Total	<	17	ng/L	EPA 245.1	17	50	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 6:05:00 PM	Nickel	Dissolved	DNQ	0.44	µg/L	EPA 200.8	0.045	0.8	WKL	UL-MB
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/27/2018 10:22:00 PM	Nickel	Total	=	0.83	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/27/2018 10:15:00 PM	Selenium	Dissolved	=	1.3	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/27/2018 10:22:00 PM	Selenium	Total	=	1.2	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/27/2018 10:15:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/27/2018 10:22:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/27/2018 10:15:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/27/2018 10:22:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/27/2018 10:15:00 PM	Zinc	Dissolved	<	0.94	µg/L	EPA 200.8	0.94	5	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/27/2018 10:22:00 PM	Zinc	Total	DNQ	1.1	µg/L	EPA 200.8	0.94	5	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/22/2018 9:30:00 PM	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/26/2018 6:36:00 PM	Nitrate + Nitrite as N	n/a	=	0.28	mg/L	EPA 353.2	0.083	0.2	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 12:24:00 PM	Phosphorus as P	Dissolved	DNQ	0.005	mg/L	EPA 365.1	0.0014	0.01	WKL	UL-MB
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/9/2018 12:18:00 PM	Phosphorus as P	Total	=	0.033	mg/L	EPA 365.1	0.0014	0.01	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/1/2018 2:51:00 PM	TKN	n/a	=	0.16	mg/L	EPA 351.2	0.05	0.1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 12:01:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 12:01:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 12:01:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 12:01:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 12:01:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 7:31:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 6:57:00 AM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 12:01:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	EST-LCSRPD
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 6:57:00 AM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 12:01:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 6:57:00 AM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 6:57:00 AM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 12:01:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 12:01:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 6:57:00 AM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 12:01:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 12:01:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 12:01:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 6:57:00 AM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 12:01:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 7:31:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 6:57:00 AM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 6:57:00 AM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 12:01:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 12:01:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 6:57:00 AM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 12:01:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 6:57:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 12:01:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 6:57:00 AM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 12:01:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	EST-LCSRPD
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 12:01:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 6:57:00 AM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 12:01:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 12:01:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 7:31:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 12:01:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 7:31:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 12:01:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 7:31:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 12:01:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 7:31:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 12:01:00 AM	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 7:31:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 7:22:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 12:01:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 12:01:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 7:31:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 12:01:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 7:31:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 12:01:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 7:31:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 12:01:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 12:01:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 12:01:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 7:22:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 7:22:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 12:01:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 12:01:00 AM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 7:31:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 12:01:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 12:01:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 7:31:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 12:01:00 AM	Diethyl phthalate	n/a	=	1.8	µg/L	EPA 625	0.15	1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 12:01:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 12:01:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 12:01:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 12:01:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 7:31:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 12:01:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 7:31:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 12:01:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 12:01:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 12:01:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 12:01:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 12:01:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 7:31:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 12:01:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 12:01:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 7:31:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 12:01:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 12:01:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 12:01:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 12:01:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 12:01:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 7:31:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 12:01:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	EST-LCSRPD
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 6:57:00 AM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 12:01:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 7:31:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 11:26:00 PM	PCB Aroclor 1016	n/a	<	0.05	µg/L	EPA 608	0.05	0.5	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 11:26:00 PM	PCB Aroclor 1221	n/a	<	0.06	µg/L	EPA 608	0.06	0.5	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 11:26:00 PM	PCB Aroclor 1232	n/a	<	0.15	µg/L	EPA 608	0.15	0.5	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 11:26:00 PM	PCB Aroclor 1242	n/a	<	0.07	µg/L	EPA 608	0.07	0.5	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 11:26:00 PM	PCB Aroclor 1248	n/a	<	0.06	µg/L	EPA 608	0.06	0.5	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 11:26:00 PM	PCB Aroclor 1254	n/a	<	0.04	µg/L	EPA 608	0.04	0.5	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 11:26:00 PM	PCB Aroclor 1260	n/a	<	0.04	µg/L	EPA 608	0.04	0.5	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 12:43:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 12:43:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 12:43:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 12:43:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 12:43:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 11:26:00 PM	4,4'-DDD	n/a	<	0.003	µg/L	EPA 608	0.003	0.05	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 11:26:00 PM	4,4'-DDE	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.05	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 11:26:00 PM	4,4'-DDT	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.01	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 11:26:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 7:22:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 11:26:00 PM	Aldrin	n/a	<	0.0015	µg/L	EPA 608	0.0015	0.005	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 11:26:00 PM	alpha-BHC	n/a	<	0.0018	µg/L	EPA 608	0.0018	0.01	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 11:26:00 PM	alpha-Chlordane	n/a	<	0.0041	µg/L	EPA 608	0.0041	0.01	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 7:22:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 12:56:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 12:43:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 11:26:00 PM	beta-BHC	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.005	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 12:56:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 7:22:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 7:22:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 7:22:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 11:26:00 PM	Chlordane (technical)	n/a	<	0.08	µg/L	EPA 608	0.08	0.1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 7:22:00 PM	Chloropropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 12:56:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 11:26:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 7:22:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 12:43:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 12:43:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 11:26:00 PM	delta-BHC	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.005	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 12:56:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 12:56:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 7:22:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 12:56:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 12:43:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 12:43:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 12:56:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 11:26:00 PM	Dieldrin	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.01	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 7:22:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 12:56:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 12:43:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 7:22:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 7:22:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 12:56:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 11:26:00 PM	Endosulfan I	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.02	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 11:26:00 PM	Endosulfan II	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 11:26:00 PM	Endosulfan sulfate	n/a	<	0.008	µg/L	EPA 608	0.008	0.05	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 11:26:00 PM	Endrin	n/a	<	0.0028	µg/L	EPA 608	0.0028	0.01	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 11:26:00 PM	Endrin aldehyde	n/a	<	0.003	µg/L	EPA 608	0.003	0.01	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 12:56:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 12:56:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 12:56:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 12:56:00 PM	Fensulfuthion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 11:26:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 11:26:00 PM	gamma-BHC (Lindane)	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.02	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 11:26:00 PM	gamma-Chlordane	n/a	<	0.0044	µg/L	EPA 608	0.0044	0.01	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/22/2018 12:45:00 PM	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 11:26:00 PM	Heptachlor	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.01	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 11:26:00 PM	Heptachlor epoxide	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 12:56:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 12:56:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 11:26:00 PM	Methoxychlor	n/a	<	0.0054	µg/L	EPA 608	0.0054	0.02	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 12:56:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 7:22:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 7:22:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 12:56:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 7:22:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 12:56:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 12:43:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 12:01:00 AM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 6:57:00 AM	Pentachlorophenol	n/a	DNQ	0.38	µg/L	EPA 8270C	0.15	1	WKL	HB-LCSR
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 12:56:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 12:43:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 11:26:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	EST-LCSRPD
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 7:22:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 12:56:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 7:22:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 12:56:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 7:22:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 7:22:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 12:56:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 11:26:00 PM	Toxaphene	n/a	<	0.12	µg/L	EPA 608	0.12	0.5	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	7/3/2018 12:56:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:10:00 AM	6/29/2018 7:22:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:15:00 AM	6/22/2018 7:00:00 AM	E. Coli	n/a	=	309	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-VR2	2017/18-5	Dry	6/21/2018 11:15:00 AM	6/22/2018 7:00:00 AM	Total Coliform	n/a	=	6867	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-VR2	2017/18-5	Dry	6/21/2018 11:15:00 AM	6/21/2018 11:15:00 AM	Conductivity	n/a	=	1103	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-VR2	2017/18-5	Dry	6/21/2018 11:15:00 AM	6/25/2018 5:09:00 PM	Cyanide	Total	<	0.0005	mg/L	ASTM D7511	0.0005	0.002	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:15:00 AM	6/21/2018 11:15:00 AM	DO	n/a	=	90.9	%	Field Meter	-88	0.1	Field Crew	
ME-VR2	2017/18-5	Dry	6/21/2018 11:15:00 AM	6/21/2018 11:15:00 AM	DO	n/a	=	8.05	mg/L	Field Meter	-88	0.3	Field Crew	
ME-VR2	2017/18-5	Dry	6/21/2018 11:15:00 AM	6/21/2018 11:15:00 AM	pH	n/a	=	7.68	pH Units	Field Meter	-88	0.01	Field Crew	
ME-VR2	2017/18-5	Dry	6/21/2018 11:15:00 AM	6/21/2018 11:15:00 AM	Salinity	n/a	=	600	mg/L	Field Meter	-88	100	Field Crew	
ME-VR2	2017/18-5	Dry	6/21/2018 11:15:00 AM	6/21/2018 11:15:00 AM	Specific Conductance	n/a	=	1193	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-VR2	2017/18-5	Dry	6/21/2018 11:15:00 AM	6/21/2018 11:15:00 AM	Temperature	n/a	=	21.1	°C	Field Meter	-88	0.1	Field Crew	
ME-VR2	2017/18-5	Dry	6/21/2018 11:15:00 AM	6/26/2018 9:41:00 PM	Gasoline Range Organics	n/a	<	0.012	mg/L	LUFT GC/MS	0.012	0.1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:15:00 AM	6/25/2018 3:48:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:15:00 AM	6/26/2018 2:25:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
ME-VR2	2017/18-5	Dry	6/21/2018 11:15:00 AM	6/26/2018 2:25:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-CAM	2017/18-1	Wet	1/8/2018 8:47:00 PM	1/9/2018 4:30:00 PM	E. Coli	n/a	=	15531	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-CAM	2017/18-1	Wet	1/8/2018 8:47:00 PM	1/12/2018 2:30:00 PM	Fecal Coliform	n/a	=	35000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-CAM	2017/18-1	Wet	1/8/2018 8:47:00 PM	1/9/2018 4:30:00 PM	Total Coliform	n/a	=	290900	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-CAM	2017/18-1	Wet	1/8/2018 8:47:00 PM	1/8/2018 8:47:00 PM	Conductivity	n/a	=	256.6	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-CAM	2017/18-1	Wet	1/8/2018 8:47:00 PM	1/16/2018 6:51:00 PM	Cyanide	Total	=	0.0021	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-CAM	2017/18-1	Wet	1/8/2018 8:47:00 PM	1/8/2018 8:47:00 PM	DO	n/a	=	107.2	%	Field Meter	-88	0.1	Field Crew	
MO-CAM	2017/18-1	Wet	1/8/2018 8:47:00 PM	1/8/2018 8:47:00 PM	DO	n/a	=	10.68	mg/L	Field Meter	-88	0.3	Field Crew	
MO-CAM	2017/18-1	Wet	1/8/2018 8:47:00 PM	1/8/2018 8:47:00 PM	pH	n/a	=	7.07	pH Units	Field Meter	-88	0.01	Field Crew	
MO-CAM	2017/18-1	Wet	1/8/2018 8:47:00 PM	1/8/2018 8:47:00 PM	Salinity	n/a	=	200	mg/L	Field Meter	-88	100	Field Crew	
MO-CAM	2017/18-1	Wet	1/8/2018 8:47:00 PM	1/8/2018 8:47:00 PM	Specific Conductance	n/a	=	314.3	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-CAM	2017/18-1	Wet	1/8/2018 8:47:00 PM	1/8/2018 8:47:00 PM	Temperature	n/a	=	15.5	°C	Field Meter	-88	0.1	Field Crew	
MO-CAM	2017/18-1	Wet	1/8/2018 8:47:00 PM	1/18/2018 5:41:00 AM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
MO-CAM	2017/18-1	Wet	1/8/2018 8:47:00 PM	1/19/2018 5:44:00 PM	Oil and Grease	n/a	DNQ	1.9	mg/L	EPA 1664A	1.3	5	WKL	
MO-CAM	2017/18-1	Wet	1/8/2018 8:47:00 PM	1/12/2018 2:40:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-CAM	2017/18-1	Wet	1/8/2018 8:47:00 PM	1/12/2018 2:40:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/15/2018 1:00:00 PM	Chloride	n/a	=	15	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/15/2018 1:00:00 PM	Fluoride	n/a	=	0.1	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/18/2018 12:01:00 AM	Perchlorate	n/a	<	1.9	µg/L	EPA 314.0	1.9	4	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/15/2018 1:00:00 PM	Sulfate	Total	=	15	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/18/2018 11:37:00 AM	Calcium	Total	=	16.3	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/18/2018 11:37:00 AM	Magnesium	Total	=	3.67	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/18/2018 11:37:00 AM	Potassium	Total	=	5.2	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/18/2018 11:37:00 AM	Sodium	Total	=	11	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/15/2018 1:41:00 PM	Alkalinity as CaCO3	n/a	=	38	mg/L	SM 2320 B	0.56	2	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/16/2018 5:05:00 PM	BOD	n/a	=	40	mg/L	SM 5210 B	2	2	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/17/2018 9:48:00 AM	COD	n/a	=	140	mg/L	EPA 410.4	0.73	5	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/22/2018 4:21:00 PM	Dissolved Inorganic Carbon	Dissolved	=	5.5	mg/L	SM 5310 B	0.5	0.5	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/15/2018 12:47:00 AM	Dissolved Organic Carbon	Dissolved	=	21	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/18/2018 11:37:00 AM	Hardness as CaCO3	Total	=	55.7	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/11/2018 9:34:00 PM	MBAS	n/a	=	0.32	mg/L	SM 5540 C	0.019	0.05	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/19/2018 11:02:00 AM	Phenolics	n/a	=	0.021	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/16/2018 1:51:00 PM	Specific Conductance	n/a	=	160	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/16/2018 8:53:00 PM	Total Dissolved Solids	n/a	=	160	mg/L	SM 2540 C	4	10	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/12/2018 8:49:00 AM	Total Organic Carbon	n/a	=	21	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/15/2018 1:45:00 PM	Total Suspended Solids	n/a	=	290	mg/L	SM 2540 D	-88	5	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/11/2018 10:25:00 AM	Turbidity	n/a	=	29	NTU	EPA 180.1	0.024	0.1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/15/2018 1:45:00 PM	Volatile Suspended Solids	n/a	=	77	mg/L	EPA 160.4	3.1	5	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/26/2018 1:34:00 PM	Diesel Range Organics	n/a	=	1.2	mg/L	EPA 8015D	0.048	0.2	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/26/2018 1:34:00 PM	Oil Range Organics	n/a	=	1.9	mg/L	EPA 8015D	0.66	1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/25/2018 1:37:00 PM	Aluminum	Dissolved	=	46	µg/L	EPA 200.8	1.3	5	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/25/2018 1:41:00 PM	Aluminum	Total	=	3700	µg/L	EPA 200.8	1.3	5	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/25/2018 1:37:00 PM	Antimony	Dissolved	=	0.75	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/25/2018 1:41:00 PM	Antimony	Total	=	1.9	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/25/2018 1:37:00 PM	Arsenic	Dissolved	=	1	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/25/2018 1:41:00 PM	Arsenic	Total	=	2.6	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/25/2018 1:41:00 PM	Barium	Total	=	68	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/25/2018 1:37:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/25/2018 1:41:00 PM	Beryllium	Total	=	0.18	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/25/2018 1:37:00 PM	Cadmium	Dissolved	DNQ	0.048	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/25/2018 1:41:00 PM	Cadmium	Total	=	0.5	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/25/2018 1:37:00 PM	Chromium	Dissolved	=	0.62	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/25/2018 1:41:00 PM	Chromium	Total	=	8.3	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/21/2018 2:05:00 PM	Chromium VI	n/a	=	0.51	µg/L	EPA 218.6	0.0096	0.04	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/25/2018 1:37:00 PM	Copper	Dissolved	=	9.1	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/25/2018 1:41:00 PM	Copper	Total	=	45	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/18/2018 10:59:00 AM	Iron	Dissolved	=	76	µg/L	EPA 200.7	1.1	10	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/18/2018 11:37:00 AM	Iron	Total	=	5400	µg/L	EPA 200.7	1.1	10	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/25/2018 1:37:00 PM	Lead	Dissolved	=	0.24	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/25/2018 1:41:00 PM	Lead	Total	=	8.7	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/18/2018 3:24:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/18/2018 3:26:00 PM	Mercury	Total	DNQ	30	ng/L	EPA 245.1	17	50	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/25/2018 1:37:00 PM	Nickel	Dissolved	=	3	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/25/2018 1:41:00 PM	Nickel	Total	=	11	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/25/2018 1:37:00 PM	Selenium	Dissolved	DNQ	0.17	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/25/2018 1:41:00 PM	Selenium	Total	DNQ	0.37	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/25/2018 1:37:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/25/2018 1:41:00 PM	Silver	Total	DNQ	0.099	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/25/2018 1:37:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/25/2018 1:41:00 PM	Thallium	Total	DNQ	0.059	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/25/2018 1:37:00 PM	Zinc	Dissolved	=	56	µg/L	EPA 200.8	0.94	5	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/25/2018 1:41:00 PM	Zinc	Total	=	240	µg/L	EPA 200.8	0.94	5	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/13/2018 8:03:00 PM	Ammonia as N	n/a	=	0.56	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/15/2018 12:34:00 PM	Nitrate + Nitrite as N	n/a	=	0.78	mg/L	EPA 353.2	0.083	0.2	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/15/2018 7:26:00 PM	Phosphorus as P	Dissolved	=	0.29	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/22/2018 4:09:00 PM	Phosphorus as P	Total	=	0.77	mg/L	EPA 365.1	0.014	0.1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/26/2018 5:09:00 PM	TKN	n/a	=	3.2	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/26/2018 12:33:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/26/2018 12:33:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/26/2018 12:33:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/26/2018 12:33:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/26/2018 12:33:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	2/2/2018 2:05:00 AM	1-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/29/2018 7:59:00 PM	2,4,5-Trichlorophenol	n/a	<	2.9	µg/L	EPA 8270C	2.9	10	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/26/2018 12:33:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/29/2018 7:59:00 PM	2,4,6-Trichlorophenol	n/a	<	3	µg/L	EPA 8270C	3	10	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/26/2018 12:33:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/29/2018 7:59:00 PM	2,4-Dichlorophenol	n/a	<	5.1	µg/L	EPA 8270C	5.1	10	WKL	EST-LCSRPD
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/26/2018 12:33:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/29/2018 7:59:00 PM	2,4-Dimethylphenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	EST-LCSRPD
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/26/2018 12:33:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/29/2018 7:59:00 PM	2,4-Dinitrophenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/26/2018 12:33:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/26/2018 12:33:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/26/2018 12:33:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/29/2018 7:59:00 PM	2-Chlorophenol	n/a	<	6.5	µg/L	EPA 8270C	6.5	10	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/26/2018 12:33:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	2/2/2018 2:05:00 AM	2-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/29/2018 7:59:00 PM	2-Methylphenol	n/a	<	3.4	µg/L	EPA 8270C	3.4	10	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/26/2018 12:33:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/29/2018 7:59:00 PM	2-Nitrophenol	n/a	<	7.1	µg/L	EPA 8270C	7.1	10	WKL	EST-LCSRPD
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/26/2018 12:33:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/29/2018 7:59:00 PM	3-/4-Methylphenol	n/a	<	3	µg/L	EPA 8270C	3	10	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/26/2018 12:33:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/29/2018 7:59:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	10	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/26/2018 12:33:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/26/2018 12:33:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/29/2018 7:59:00 PM	4-Chloro-3-methylphenol	n/a	<	3.7	µg/L	EPA 8270C	3.7	10	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/26/2018 12:33:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/26/2018 12:33:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/29/2018 7:59:00 PM	4-Nitrophenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/26/2018 12:33:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	2/2/2018 2:05:00 AM	Acenaphthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/26/2018 12:33:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	2/2/2018 2:05:00 AM	Acenaphthylene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	2/2/2018 2:05:00 AM	Anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/26/2018 12:33:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	2/2/2018 2:05:00 AM	Benz(a)anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/26/2018 12:33:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/26/2018 12:33:00 AM	Ben-zidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/23/2018 11:55:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/26/2018 12:33:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	2/2/2018 2:05:00 AM	Benzo(a)pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/26/2018 12:33:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	2/2/2018 2:05:00 AM	Benzo(b)fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	2/2/2018 2:05:00 AM	Benzo(g,h,i)perylene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/26/2018 12:33:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	2/2/2018 2:05:00 AM	Benzo(k)fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/26/2018 12:33:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/26/2018 12:33:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/26/2018 12:33:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/26/2018 12:33:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/23/2018 11:55:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/25/2018 7:36:00 PM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	2.9	µg/L	EPA 525.2	1.1	3	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/26/2018 12:33:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/26/2018 12:33:00 AM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/26/2018 12:33:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	2/2/2018 2:05:00 AM	Chrysene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	2/2/2018 2:05:00 AM	Dibenz(a,h)anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/26/2018 12:33:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/26/2018 12:33:00 AM	Diethyl phthalate	n/a	DNQ	0.7	µg/L	EPA 625	0.15	1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/26/2018 12:33:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/26/2018 12:33:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/26/2018 12:33:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/26/2018 12:33:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	2/2/2018 2:05:00 AM	Fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	EST-LCSRPD
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	2/2/2018 2:05:00 AM	Fluorene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/26/2018 12:33:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/26/2018 12:33:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/26/2018 12:33:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/26/2018 12:33:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/26/2018 12:33:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/26/2018 12:33:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	2/2/2018 2:05:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/26/2018 12:33:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	2/2/2018 2:05:00 AM	Naphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/26/2018 12:33:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/26/2018 12:33:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/26/2018 12:33:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/26/2018 12:33:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/26/2018 12:33:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/26/2018 12:33:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	2/2/2018 2:05:00 AM	Phenanthrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/26/2018 12:33:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/29/2018 7:59:00 PM	Phenol	n/a	<	3.5	µg/L	EPA 8270C	3.5	10	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/26/2018 12:33:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	2/2/2018 2:05:00 AM	Pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/24/2018 11:46:00 AM	PCB Aroclor 1016	n/a	<	1	µg/L	EPA 608	1	10	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/24/2018 11:46:00 AM	PCB Aroclor 1221	n/a	<	1.2	µg/L	EPA 608	1.2	10	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/24/2018 11:46:00 AM	PCB Aroclor 1232	n/a	<	3	µg/L	EPA 608	3	10	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/24/2018 11:46:00 AM	PCB Aroclor 1242	n/a	<	1.4	µg/L	EPA 608	1.4	10	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/24/2018 11:46:00 AM	PCB Aroclor 1248	n/a	<	1.2	µg/L	EPA 608	1.2	10	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/24/2018 11:46:00 AM	PCB Aroclor 1254	n/a	<	0.8	µg/L	EPA 608	0.8	10	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/24/2018 11:46:00 AM	PCB Aroclor 1260	n/a	<	0.8	µg/L	EPA 608	0.8	10	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/13/2018 7:18:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/13/2018 7:18:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/13/2018 7:18:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/13/2018 7:18:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/13/2018 7:18:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/24/2018 11:46:00 AM	4,4'-DDD	n/a	<	0.06	µg/L	EPA 608	0.06	1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/24/2018 11:46:00 AM	4,4'-DDE	n/a	<	0.05	µg/L	EPA 608	0.05	1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/24/2018 11:46:00 AM	4,4'-DDT	n/a	<	0.062	µg/L	EPA 608	0.062	0.2	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/13/2018 7:18:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/23/2018 11:55:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/24/2018 11:46:00 AM	Aldrin	n/a	<	0.03	µg/L	EPA 608	0.03	0.1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/24/2018 11:46:00 AM	alpha-BHC	n/a	<	0.036	µg/L	EPA 608	0.036	0.2	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/24/2018 11:46:00 AM	alpha-Chlordane	n/a	<	0.082	µg/L	EPA 608	0.082	0.2	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/23/2018 11:55:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/30/2018 10:07:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/13/2018 7:18:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/24/2018 11:46:00 AM	beta-BHC	n/a	<	0.062	µg/L	EPA 608	0.062	0.1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/30/2018 10:07:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/23/2018 11:55:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/23/2018 11:55:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/23/2018 11:55:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/24/2018 11:46:00 AM	Chlordane (technical)	n/a	<	1.6	µg/L	EPA 608	1.6	2	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/23/2018 11:55:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/30/2018 10:07:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/30/2018 10:07:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/23/2018 11:55:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/13/2018 7:18:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/13/2018 7:18:00 AM	DCPA (Dacthal)	n/a	DNQ	0.089	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/24/2018 11:46:00 AM	delta-BHC	n/a	<	0.05	µg/L	EPA 608	0.05	0.1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/30/2018 10:07:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/30/2018 10:07:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/23/2018 11:55:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/30/2018 10:07:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/13/2018 7:18:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/13/2018 7:18:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/30/2018 10:07:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/24/2018 11:46:00 AM	Dieldrin	n/a	<	0.042	µg/L	EPA 608	0.042	0.2	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/23/2018 11:55:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/30/2018 10:07:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/13/2018 7:18:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/23/2018 11:55:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/23/2018 11:55:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/30/2018 10:07:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/24/2018 11:46:00 AM	Endosulfan I	n/a	<	0.034	µg/L	EPA 608	0.034	0.4	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/24/2018 11:46:00 AM	Endosulfan II	n/a	<	0.038	µg/L	EPA 608	0.038	0.2	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/24/2018 11:46:00 AM	Endosulfan sulfate	n/a	<	0.16	µg/L	EPA 608	0.16	1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/24/2018 11:46:00 AM	Endrin	n/a	<	0.056	µg/L	EPA 608	0.056	0.2	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/24/2018 11:46:00 AM	Endrin aldehyde	n/a	<	0.06	µg/L	EPA 608	0.06	0.2	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/23/2018 11:55:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/30/2018 10:07:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/30/2018 10:07:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/30/2018 10:07:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/30/2018 10:07:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/24/2018 11:46:00 AM	gamma-BHC (Lindane)	n/a	<	0.042	µg/L	EPA 608	0.042	0.4	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/24/2018 11:46:00 AM	gamma-Chlordane	n/a	<	0.088	µg/L	EPA 608	0.088	0.2	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/11/2018 7:44:00 PM	Glyphosate	n/a	=	11	µg/L	EPA 547	1.8	5	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/24/2018 11:46:00 AM	Heptachlor	n/a	<	0.034	µg/L	EPA 608	0.034	0.2	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/24/2018 11:46:00 AM	Heptachlor epoxide	n/a	<	0.038	µg/L	EPA 608	0.038	0.2	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/30/2018 10:07:00 PM	Malathion	n/a	=	0.021	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/30/2018 10:07:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/24/2018 11:46:00 AM	Methoxychlor	n/a	<	0.11	µg/L	EPA 608	0.11	0.4	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/30/2018 10:07:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/23/2018 11:55:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/23/2018 11:55:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/30/2018 10:07:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/23/2018 11:55:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/30/2018 10:07:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/26/2018 12:33:00 AM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/13/2018 7:18:00 AM	Pentachlorophenol	n/a	DNQ	0.048	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/29/2018 7:59:00 PM	Pentachlorophenol	n/a	DNQ	4.3	µg/L	EPA 8270C	1.5	10	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/30/2018 10:07:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/13/2018 7:18:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/23/2018 11:55:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	EST-LCSRPD
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/23/2018 11:55:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/30/2018 10:07:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/23/2018 11:55:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/30/2018 10:07:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/23/2018 11:55:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/23/2018 11:55:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/30/2018 10:07:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/24/2018 11:46:00 AM	Toxaphene	n/a	<	2.4	µg/L	EPA 608	2.4	10	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/30/2018 10:07:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-CAM	2017/18-1	Wet	1/10/2018 10:10:00 AM	1/23/2018 11:55:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-CAM	2017/18-2	Wet	3/2/2018 4:30:00 AM	3/3/2018 8:45:00 AM	E. Coli	n/a	=	6488	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-CAM	2017/18-2	Wet	3/2/2018 4:30:00 AM	3/6/2018 11:31:00 AM	Fecal Coliform	n/a	=	4600	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-CAM	2017/18-2	Wet	3/2/2018 4:30:00 AM	3/3/2018 8:45:00 AM	Total Coliform	n/a	=	24196	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-CAM	2017/18-2	Wet	3/2/2018 4:30:00 AM	3/2/2018 4:30:00 AM	Conductivity	n/a	=	268.4	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-CAM	2017/18-2	Wet	3/2/2018 4:30:00 AM	3/7/2018 4:36:00 PM	Cyanide	Total	DNQ	0.0011	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-CAM	2017/18-2	Wet	3/2/2018 4:30:00 AM	3/2/2018 4:30:00 AM	DO	n/a	=	90.5	%	Field Meter	-88	0.1	Field Crew	
MO-CAM	2017/18-2	Wet	3/2/2018 4:30:00 AM	3/2/2018 4:30:00 AM	DO	n/a	=	9.46	mg/L	Field Meter	-88	0.3	Field Crew	
MO-CAM	2017/18-2	Wet	3/2/2018 4:30:00 AM	3/2/2018 4:30:00 AM	pH	n/a	=	7.23	pH Units	Field Meter	-88	0.01	Field Crew	
MO-CAM	2017/18-2	Wet	3/2/2018 4:30:00 AM	3/2/2018 4:30:00 AM	Salinity	n/a	=	200	mg/L	Field Meter	-88	100	Field Crew	
MO-CAM	2017/18-2	Wet	3/2/2018 4:30:00 AM	3/2/2018 4:30:00 AM	Specific Conductance	n/a	=	346.1	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-CAM	2017/18-2	Wet	3/2/2018 4:30:00 AM	3/2/2018 4:30:00 AM	Temperature	n/a	=	13.3	°C	Field Meter	-88	0.1	Field Crew	
MO-CAM	2017/18-2	Wet	3/2/2018 4:30:00 AM	3/5/2018 8:08:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
MO-CAM	2017/18-2	Wet	3/2/2018 4:30:00 AM	3/13/2018 5:21:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-CAM	2017/18-2	Wet	3/2/2018 4:30:00 AM	3/5/2018 4:55:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2017/18-2	Wet	3/2/2018 4:30:00 AM	3/5/2018 4:55:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/15/2018 7:00:00 PM	Chloride	n/a	=	16	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/15/2018 7:00:00 PM	Fluoride	n/a	=	0.14	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/5/2018 5:13:00 PM	Perchlorate	n/a	<	2.8	µg/L	EPA 314.0	2.8	6	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/15/2018 7:00:00 PM	Sulfate	Total	=	21	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/19/2018 3:44:00 PM	Calcium	Total	=	14.8	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/19/2018 3:44:00 PM	Magnesium	Total	=	3.65	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/19/2018 3:44:00 PM	Potassium	Total	=	5.2	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/19/2018 3:44:00 PM	Sodium	Total	=	12	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/5/2018 3:47:00 PM	Alkalinity as CaCO3	n/a	=	37	mg/L	SM 2320 B	0.56	2	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/9/2018 12:10:00 PM	BOD	n/a	=	26	mg/L	SM 5210 B	2	2	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/13/2018 9:29:00 AM	COD	n/a	=	160	mg/L	EPA 410.4	0.73	5	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/13/2018 12:33:00 PM	Dissolved Inorganic Carbon	Dissolved	=	6.6	mg/L	SM 5310 B	0.5	0.5	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/9/2018 8:50:00 PM	Dissolved Organic Carbon	Dissolved	=	27	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/19/2018 3:44:00 PM	Hardness as CaCO3	Total	=	52	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/4/2018 7:25:00 PM	MBAS	n/a	=	0.8	mg/L	SM 5540 C	0.076	0.2	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/20/2018 3:41:00 PM	Phenolics	n/a	=	0.037	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/7/2018 4:04:00 PM	Specific Conductance	n/a	=	180	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/8/2018 5:49:00 PM	Total Dissolved Solids	n/a	=	140	mg/L	SM 2540 C	4	10	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/12/2018 10:51:00 AM	Total Organic Carbon	n/a	=	29	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/8/2018 5:55:00 PM	Total Suspended Solids	n/a	=	360	mg/L	SM 2540 D	-88	5	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/4/2018 11:49:00 AM	Turbidity	n/a	=	29	NTU	EPA 180.1	0.024	0.1	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/8/2018 5:55:00 PM	Volatile Suspended Solids	n/a	=	84	mg/L	EPA 160.4	3.1	5	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/16/2018 1:42:00 AM	Diesel Range Organics	n/a	=	2.7	mg/L	EPA 8015D	0.048	0.2	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/16/2018 1:42:00 AM	Oil Range Organics	n/a	=	2.4	mg/L	EPA 8015D	0.66	1	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/19/2018 2:52:00 PM	Aluminum	Dissolved	=	40	µg/L	EPA 200.8	1.3	5	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/19/2018 1:42:00 PM	Aluminum	Total	=	3200	µg/L	EPA 200.8	1.3	5	WKL	HB-MSR
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/20/2018 12:47:00 PM	Antimony	Dissolved	=	1.2	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/20/2018 12:50:00 PM	Antimony	Total	=	1.9	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/19/2018 2:52:00 PM	Arsenic	Dissolved	=	1.4	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/19/2018 1:42:00 PM	Arsenic	Total	=	2.6	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/19/2018 1:42:00 PM	Barium	Total	=	58	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/20/2018 12:47:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/20/2018 12:50:00 PM	Beryllium	Total	=	0.12	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/19/2018 2:52:00 PM	Cadmium	Dissolved	DNQ	0.084	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/19/2018 1:42:00 PM	Cadmium	Total	=	0.45	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/19/2018 2:52:00 PM	Chromium	Dissolved	=	0.74	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/19/2018 1:42:00 PM	Chromium	Total	=	7.8	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/11/2018 2:13:00 PM	Chromium VI	n/a	=	0.4	µg/L	EPA 218.6	0.024	0.1	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/19/2018 2:52:00 PM	Copper	Dissolved	=	18	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/19/2018 1:42:00 PM	Copper	Total	=	68	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/19/2018 3:00:00 PM	Iron	Dissolved	=	57	µg/L	EPA 200.7	1.1	10	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/19/2018 3:44:00 PM	Iron	Total	=	4500	µg/L	EPA 200.7	1.1	10	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/19/2018 2:52:00 PM	Lead	Dissolved	DNQ	0.16	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/19/2018 1:42:00 PM	Lead	Total	=	8.1	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/15/2018 1:38:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/15/2018 1:40:00 PM	Mercury	Total	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/19/2018 2:52:00 PM	Nickel	Dissolved	=	3.9	µg/L	EPA 200.8	0.045	0.8	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/19/2018 1:42:00 PM	Nickel	Total	=	11	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/19/2018 2:52:00 PM	Selenium	Dissolved	DNQ	0.23	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/19/2018 1:42:00 PM	Selenium	Total	=	0.4	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/19/2018 2:52:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/19/2018 1:42:00 PM	Silver	Total	DNQ	0.091	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/19/2018 2:52:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/19/2018 1:42:00 PM	Thallium	Total	DNQ	0.051	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/19/2018 2:52:00 PM	Zinc	Dissolved	=	75	µg/L	EPA 200.8	0.94	5	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/19/2018 1:42:00 PM	Zinc	Total	=	220	µg/L	EPA 200.8	0.94	5	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/14/2018 6:29:00 PM	Ammonia as N	n/a	=	0.76	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/5/2018 4:16:00 PM	Nitrate + Nitrite as N	n/a	=	1.1	mg/L	EPA 353.2	0.083	0.2	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/19/2018 12:36:00 PM	Phosphorus as P	Dissolved	=	0.42	mg/L	EPA 365.1	0.0056	0.04	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/16/2018 12:00:00 PM	Phosphorus as P	Total	=	0.88	mg/L	EPA 365.1	0.014	0.1	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/19/2018 3:16:00 PM	TKN	n/a	=	4.3	mg/L	EPA 351.2	0.1	0.2	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/15/2018 3:01:00 AM	1,2,4-Trichlorobenzene	n/a	<	5.5	µg/L	EPA 625	5.5	10	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/15/2018 3:01:00 AM	1,2-Dichlorobenzene	n/a	<	5.7	µg/L	EPA 625	5.7	10	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/15/2018 3:01:00 AM	1,2-Diphenylhydrazine	n/a	<	2.5	µg/L	EPA 625	2.5	10	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/15/2018 3:01:00 AM	1,3-Dichlorobenzene	n/a	<	5.3	µg/L	EPA 625	5.3	10	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/15/2018 3:01:00 AM	1,4-Dichlorobenzene	n/a	<	5.5	µg/L	EPA 625	5.5	10	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/20/2018 6:36:00 AM	1-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/26/2018 3:50:00 PM	2,4,5-Trichlorophenol	n/a	<	2.9	µg/L	EPA 8270C	2.9	10	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/15/2018 3:01:00 AM	2,4,6-Trichlorophenol	n/a	<	2.2	µg/L	EPA 625	2.2	10	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/26/2018 3:50:00 PM	2,4,6-Trichlorophenol	n/a	<	3	µg/L	EPA 8270C	3	10	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/15/2018 3:01:00 AM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 625	2.6	10	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/26/2018 3:50:00 PM	2,4-Dichlorophenol	n/a	<	5.1	µg/L	EPA 8270C	5.1	10	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/15/2018 3:01:00 AM	2,4-Dimethylphenol	n/a	<	3	µg/L	EPA 625	3	10	WKL	EST-LCSRDP
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/26/2018 3:50:00 PM	2,4-Dimethylphenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	LCSRDP, LB-L
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/15/2018 3:01:00 AM	2,4-Dinitrophenol	n/a	<	16	µg/L	EPA 625	16	100	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/26/2018 3:50:00 PM	2,4-Dinitrophenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/15/2018 3:01:00 AM	2,4-Dinitrotoluene	n/a	<	1.8	µg/L	EPA 625	1.8	10	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/15/2018 3:01:00 AM	2,6-Dinitrotoluene	n/a	<	2.7	µg/L	EPA 625	2.7	10	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/15/2018 3:01:00 AM	2-Chloronaphthalene	n/a	<	4.5	µg/L	EPA 625	4.5	10	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/26/2018 3:50:00 PM	2-Chlorophenol	n/a	<	6.5	µg/L	EPA 8270C	6.5	10	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/15/2018 3:01:00 AM	2-Chlorophenol	n/a	<	2.8	µg/L	EPA 625	2.8	10	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/20/2018 6:36:00 AM	2-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/26/2018 3:50:00 PM	2-Methylphenol	n/a	<	3.4	µg/L	EPA 8270C	3.4	10	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/15/2018 3:01:00 AM	2-Nitrophenol	n/a	<	2.6	µg/L	EPA 625	2.6	10	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/26/2018 3:50:00 PM	2-Nitrophenol	n/a	<	7.1	µg/L	EPA 8270C	7.1	10	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/15/2018 3:01:00 AM	3,3'-Dichlorobenzidine	n/a	<	12	µg/L	EPA 625	12	50	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/26/2018 3:50:00 PM	3-/4-Methylphenol	n/a	<	3	µg/L	EPA 8270C	3	10	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/15/2018 3:01:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	17	µg/L	EPA 625	17	50	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/26/2018 3:50:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	10	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/15/2018 3:01:00 AM	4-Bromophenyl phenyl ether	n/a	<	3.6	µg/L	EPA 625	3.6	10	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/26/2018 3:50:00 PM	4-Chloro-3-methylphenol	n/a	<	3.7	µg/L	EPA 8270C	3.7	10	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/15/2018 3:01:00 AM	4-Chloro-3-methylphenol	n/a	<	2.3	µg/L	EPA 625	2.3	10	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/15/2018 3:01:00 AM	4-Chlorophenyl phenyl ether	n/a	<	4.1	µg/L	EPA 625	4.1	10	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/15/2018 3:01:00 AM	4-Nitrophenol	n/a	<	4.5	µg/L	EPA 625	4.5	50	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/26/2018 3:50:00 PM	4-Nitrophenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/15/2018 3:01:00 AM	Acenaphthene	n/a	<	3.8	µg/L	EPA 625	3.8	10	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/20/2018 6:36:00 AM	Acenaphthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/15/2018 3:01:00 AM	Acenaphthylene	n/a	<	4	µg/L	EPA 625	4	10	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/20/2018 6:36:00 AM	Acenaphthylene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/15/2018 3:01:00 AM	Anthracene	n/a	<	3.4	µg/L	EPA 625	3.4	10	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/20/2018 6:36:00 AM	Anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/15/2018 3:01:00 AM	Benz(a)anthracene	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/20/2018 6:36:00 AM	Benz(a)anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/15/2018 3:01:00 AM	Benidine	n/a	<	37	µg/L	EPA 625	37	100	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/20/2018 6:36:00 AM	Benzo(a)pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/20/2018 1:31:00 AM	Benzo(a)pyrene	n/a	<	0.35	µg/L	EPA 525.2	0.35	0.5	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/15/2018 3:01:00 AM	Benzo(a)pyrene	n/a	<	1.3	µg/L	EPA 625	1.3	10	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/15/2018 3:01:00 AM	Benzo(b)fluoranthene	n/a	<	1.4	µg/L	EPA 625	1.4	10	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/20/2018 6:36:00 AM	Benzo(b)fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/15/2018 3:01:00 AM	Benzo(g,h,i)perylene	n/a	<	1	µg/L	EPA 625	1	20	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/20/2018 6:36:00 AM	Benzo(g,h,i)perylene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/15/2018 3:01:00 AM	Benzo(k)fluoranthene	n/a	<	2.2	µg/L	EPA 625	2.2	10	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/20/2018 6:36:00 AM	Benzo(k)fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/15/2018 3:01:00 AM	Bis(2-chloroethoxy)methane	n/a	<	2.5	µg/L	EPA 625	2.5	10	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/15/2018 3:01:00 AM	Bis(2-chloroethyl)ether	n/a	<	2.7	µg/L	EPA 625	2.7	10	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/15/2018 3:01:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	3.8	µg/L	EPA 625	3.8	10	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/20/2018 1:31:00 AM	Bis(2-ethylhexyl)adipate	n/a	<	0.52	µg/L	EPA 525.2	0.52	25	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/15/2018 3:01:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	23	µg/L	EPA 625	23	50	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/20/2018 1:31:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	5.3	µg/L	EPA 525.2	5.3	15	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/15/2018 3:01:00 AM	Butyl benzyl phthalate	n/a	<	1.8	µg/L	EPA 625	1.8	10	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/20/2018 6:36:00 AM	Chrysene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/15/2018 3:01:00 AM	Chrysene	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/15/2018 3:01:00 AM	Dibenz(a,h)anthracene	n/a	<	0.8	µg/L	EPA 625	0.8	20	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/20/2018 6:36:00 AM	Dibenz(a,h)anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/15/2018 3:01:00 AM	Diethyl phthalate	n/a	<	1.5	µg/L	EPA 625	1.5	10	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/15/2018 3:01:00 AM	Dimethyl phthalate	n/a	<	1.8	µg/L	EPA 625	1.8	10	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/15/2018 3:01:00 AM	Di-n-butylphthalate	n/a	<	2.4	µg/L	EPA 625	2.4	10	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/15/2018 3:01:00 AM	Di-n-octylphthalate	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/15/2018 3:01:00 AM	Fluoranthene	n/a	<	2.2	µg/L	EPA 625	2.2	10	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/20/2018 6:36:00 AM	Fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/15/2018 3:01:00 AM	Fluorene	n/a	<	3.5	µg/L	EPA 625	3.5	10	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/20/2018 6:36:00 AM	Fluorene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/15/2018 3:01:00 AM	Hexachlorobenzene	n/a	<	4.9	µg/L	EPA 625	4.9	10	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/15/2018 3:01:00 AM	Hexachlorobutadiene	n/a	<	4.7	µg/L	EPA 625	4.7	10	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/15/2018 3:01:00 AM	Hexachlorocyclopentadiene	n/a	<	15	µg/L	EPA 625	15	50	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/15/2018 3:01:00 AM	Hexachloroethane	n/a	<	5.2	µg/L	EPA 625	5.2	10	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/15/2018 3:01:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	1.2	µg/L	EPA 625	1.2	20	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/20/2018 6:36:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/15/2018 3:01:00 AM	Isophorone	n/a	<	2.1	µg/L	EPA 625	2.1	10	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/15/2018 3:01:00 AM	Naphthalene	n/a	<	4.9	µg/L	EPA 625	4.9	10	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/20/2018 6:36:00 AM	Naphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/15/2018 3:01:00 AM	Nitrobenzene	n/a	<	3.6	µg/L	EPA 625	3.6	10	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/15/2018 3:01:00 AM	N-Nitrosodimethylamine	n/a	<	1.4	µg/L	EPA 625	1.4	10	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/15/2018 3:01:00 AM	N-Nitrosodi-N-propylamine	n/a	<	2.6	µg/L	EPA 625	2.6	10	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/15/2018 3:01:00 AM	N-Nitrosodiphenylamine	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/20/2018 6:36:00 AM	Phenanthrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/15/2018 3:01:00 AM	Phenanthrene	n/a	<	3.2	µg/L	EPA 625	3.2	10	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/26/2018 3:50:00 PM	Phenol	n/a	<	3.5	µg/L	EPA 8270C	3.5	10	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/15/2018 3:01:00 AM	Phenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/20/2018 6:36:00 AM	Pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/15/2018 3:01:00 AM	Pyrene	n/a	<	2.5	µg/L	EPA 625	2.5	10	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/20/2018 2:18:00 AM	PCB Aroclor 1016	n/a	<	0.5	µg/L	EPA 608	0.5	5	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/20/2018 2:18:00 AM	PCB Aroclor 1221	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/20/2018 2:18:00 AM	PCB Aroclor 1232	n/a	<	1.5	µg/L	EPA 608	1.5	5	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/20/2018 2:18:00 AM	PCB Aroclor 1242	n/a	<	0.7	µg/L	EPA 608	0.7	5	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/20/2018 2:18:00 AM	PCB Aroclor 1248	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/20/2018 2:18:00 AM	PCB Aroclor 1254	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/20/2018 2:18:00 AM	PCB Aroclor 1260	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/13/2018 3:06:00 PM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/13/2018 3:06:00 PM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/13/2018 3:06:00 PM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/13/2018 3:06:00 PM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/13/2018 3:06:00 PM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/20/2018 2:18:00 AM	4,4'-DDD	n/a	<	0.03	µg/L	EPA 608	0.03	0.5	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/20/2018 2:18:00 AM	4,4'-DDE	n/a	<	0.025	µg/L	EPA 608	0.025	0.5	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/20/2018 2:18:00 AM	4,4'-DDT	n/a	<	0.031	µg/L	EPA 608	0.031	0.1	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/13/2018 3:06:00 PM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/20/2018 1:31:00 AM	Alachlor	n/a	<	0.11	µg/L	EPA 525.2	0.11	0.5	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/20/2018 2:18:00 AM	Aldrin	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/20/2018 2:18:00 AM	alpha-BHC	n/a	<	0.018	µg/L	EPA 608	0.018	0.1	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/20/2018 2:18:00 AM	alpha-Chlordane	n/a	<	0.041	µg/L	EPA 608	0.041	0.1	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/20/2018 1:31:00 AM	Atrazine	n/a	<	0.17	µg/L	EPA 525.2	0.17	0.5	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/9/2018 2:29:00 AM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/13/2018 3:06:00 PM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/20/2018 2:18:00 AM	beta-BHC	n/a	<	0.031	µg/L	EPA 608	0.031	0.05	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/9/2018 2:29:00 AM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/20/2018 1:31:00 AM	Bromacil	n/a	<	0.19	µg/L	EPA 525.2	0.19	5	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/20/2018 1:31:00 AM	Butachlor	n/a	<	0.085	µg/L	EPA 525.2	0.085	1	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/20/2018 1:31:00 AM	Captan	n/a	<	4.3	µg/L	EPA 525.2	4.3	5	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/20/2018 2:18:00 AM	Chlordane (technical)	n/a	<	0.8	µg/L	EPA 608	0.8	1	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/20/2018 1:31:00 AM	Chlorpropham	n/a	<	0.05	µg/L	EPA 525.2	0.05	0.5	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/9/2018 2:29:00 AM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/9/2018 2:29:00 AM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/20/2018 1:31:00 AM	Cyanazine	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/13/2018 3:06:00 PM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/13/2018 3:06:00 PM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/20/2018 2:18:00 AM	delta-BHC	n/a	<	0.025	µg/L	EPA 608	0.025	0.05	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/9/2018 2:29:00 AM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/9/2018 2:29:00 AM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/20/2018 1:31:00 AM	Diazinon	n/a	<	0.48	µg/L	EPA 525.2	0.48	0.5	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/9/2018 2:29:00 AM	Diazinon	n/a	=	0.16	µg/L	EPA 525.2m	0.0052	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/13/2018 3:06:00 PM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/13/2018 3:06:00 PM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/9/2018 2:29:00 AM	Dichlorvos	n/a	=	0.082	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/20/2018 2:18:00 AM	Dieldrin	n/a	<	0.021	µg/L	EPA 608	0.021	0.1	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/9/2018 2:29:00 AM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/21/2018 4:41:00 AM	Dimethoate	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/13/2018 3:06:00 PM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/20/2018 1:31:00 AM	Diphenamid	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/20/2018 1:31:00 AM	Disulfoton	n/a	<	0.16	µg/L	EPA 525.2	0.16	0.5	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/9/2018 2:29:00 AM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/20/2018 2:18:00 AM	Endosulfan I	n/a	<	0.017	µg/L	EPA 608	0.017	0.2	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/20/2018 2:18:00 AM	Endosulfan II	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/20/2018 2:18:00 AM	Endosulfan sulfate	n/a	<	0.08	µg/L	EPA 608	0.08	0.5	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/20/2018 2:18:00 AM	Endrin	n/a	<	0.028	µg/L	EPA 608	0.028	0.1	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/20/2018 2:18:00 AM	Endrin aldehyde	n/a	<	0.03	µg/L	EPA 608	0.03	0.1	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/20/2018 1:31:00 AM	EPTC	n/a	<	0.085	µg/L	EPA 525.2	0.085	5	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/9/2018 2:29:00 AM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/9/2018 2:29:00 AM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/9/2018 2:29:00 AM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/9/2018 2:29:00 AM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/20/2018 2:18:00 AM	gamma-BHC (Lindane)	n/a	<	0.021	µg/L	EPA 608	0.021	0.2	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/20/2018 2:18:00 AM	gamma-Chlordane	n/a	<	0.044	µg/L	EPA 608	0.044	0.1	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/9/2018 6:52:00 PM	Glyphosate	n/a	=	15	µg/L	EPA 547	1.8	5	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/20/2018 2:18:00 AM	Heptachlor	n/a	<	0.017	µg/L	EPA 608	0.017	0.1	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/20/2018 2:18:00 AM	Heptachlor epoxide	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/9/2018 2:29:00 AM	Malathion	n/a	=	0.045	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/9/2018 2:29:00 AM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/20/2018 2:18:00 AM	Methoxychlor	n/a	<	0.054	µg/L	EPA 608	0.054	0.2	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/9/2018 2:29:00 AM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/20/2018 1:31:00 AM	Metolachlor	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.5	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/20/2018 1:31:00 AM	Metribuzin	n/a	<	0.075	µg/L	EPA 525.2	0.075	0.5	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/9/2018 2:29:00 AM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/20/2018 1:31:00 AM	Molinate	n/a	<	0.2	µg/L	EPA 525.2	0.2	0.5	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/9/2018 2:29:00 AM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/13/2018 3:06:00 PM	Pentachlorophenol	n/a	DNQ	0.052	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/15/2018 3:01:00 AM	Pentachlorophenol	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/26/2018 3:50:00 PM	Pentachlorophenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	10	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/9/2018 2:29:00 AM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/13/2018 3:06:00 PM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/20/2018 1:31:00 AM	Prometon	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/20/2018 1:31:00 AM	Prometryn	n/a	<	0.18	µg/L	EPA 525.2	0.18	0.5	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/9/2018 2:29:00 AM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/20/2018 1:31:00 AM	Simazine	n/a	<	0.075	µg/L	EPA 525.2	0.075	0.5	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/9/2018 2:29:00 AM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/20/2018 1:31:00 AM	Terbacil	n/a	<	2.8	µg/L	EPA 525.2	2.8	10	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/21/2018 4:41:00 AM	Thiobencarb	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/9/2018 2:29:00 AM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/20/2018 2:18:00 AM	Toxaphene	n/a	<	1.2	µg/L	EPA 608	1.2	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/9/2018 2:29:00 AM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-CAM	2017/18-2	Wet	3/3/2018 8:39:00 AM	3/20/2018 1:31:00 AM	Trithion	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:10:00 PM	3/11/2018 11:34:00 PM	E. Coli	n/a	=	1989	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-CAM	2017/18-3	Wet	3/10/2018 5:10:00 PM	3/14/2018 8:10:00 PM	Fecal Coliform	n/a	=	2400	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-CAM	2017/18-3	Wet	3/10/2018 5:10:00 PM	3/11/2018 11:34:00 PM	Total Coliform	n/a	=	41600	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-CAM	2017/18-3	Wet	3/10/2018 5:10:00 PM	3/10/2018 5:10:00 PM	Conductivity	n/a	=	56	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-CAM	2017/18-3	Wet	3/10/2018 5:10:00 PM	3/19/2018 4:29:00 PM	Cyanide	Total	DNQ	0.0005	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:10:00 PM	3/10/2018 5:10:00 PM	DO	n/a	=	92.8	%	Field Meter	-88	0.1	Field Crew	
MO-CAM	2017/18-3	Wet	3/10/2018 5:10:00 PM	3/10/2018 5:10:00 PM	DO	n/a	=	9.03	mg/L	Field Meter	-88	0.3	Field Crew	
MO-CAM	2017/18-3	Wet	3/10/2018 5:10:00 PM	3/10/2018 5:10:00 PM	pH	n/a	=	7.22	pH Units	Field Meter	-88	0.01	Field Crew	
MO-CAM	2017/18-3	Wet	3/10/2018 5:10:00 PM	3/10/2018 5:10:00 PM	Salinity	n/a	<	100	mg/L	Field Meter	-88	100	Field Crew	
MO-CAM	2017/18-3	Wet	3/10/2018 5:10:00 PM	3/10/2018 5:10:00 PM	Specific Conductance	n/a	=	66.7	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-CAM	2017/18-3	Wet	3/10/2018 5:10:00 PM	3/10/2018 5:10:00 PM	Temperature	n/a	=	16.6	°C	Field Meter	-88	0.1	Field Crew	
MO-CAM	2017/18-3	Wet	3/10/2018 5:10:00 PM	3/14/2018 7:01:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:10:00 PM	3/27/2018 6:07:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:10:00 PM	3/13/2018 5:01:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:10:00 PM	3/13/2018 5:01:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/21/2018 2:00:00 PM	Chloride	n/a	=	3.7	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/21/2018 2:00:00 PM	Fluoride	n/a	DNQ	0.088	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/12/2018 5:43:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/21/2018 2:00:00 PM	Sulfate	Total	=	5.8	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/26/2018 7:18:00 PM	Calcium	Total	=	7.69	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/26/2018 7:18:00 PM	Magnesium	Total	=	1.5	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/26/2018 7:18:00 PM	Potassium	Total	=	2.7	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/26/2018 7:18:00 PM	Sodium	Total	=	4.8	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/12/2018 1:51:00 PM	Alkalinity as CaCO3	n/a	=	26	mg/L	SM 2320 B	0.56	2	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/17/2018 6:25:00 PM	BOD	n/a	=	17	mg/L	SM 5210 B	2	2	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/19/2018 7:36:00 PM	COD	n/a	=	71	mg/L	EPA 410.4	0.73	5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/15/2018 1:47:00 PM	Dissolved Inorganic Carbon	Dissolved	=	4.9	mg/L	SM 5310 B	0.5	0.5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/19/2018 8:44:00 AM	Dissolved Organic Carbon	Dissolved	=	11	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/26/2018 7:18:00 PM	Hardness as CaCO3	Total	=	25.4	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/12/2018 4:40:00 PM	MBAS	n/a	=	0.33	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/27/2018 3:59:00 PM	Phenolics	n/a	=	0.01	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/14/2018 5:40:00 PM	Specific Conductance	n/a	=	79	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/14/2018 10:29:00 AM	Total Dissolved Solids	n/a	=	53	mg/L	SM 2540 C	4	10	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 10:17:00 AM	Total Organic Carbon	n/a	=	11	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/14/2018 1:40:00 PM	Total Suspended Solids	n/a	=	90	mg/L	SM 2540 D	-88	5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/12/2018 11:32:00 AM	Turbidity	n/a	=	69	NTU	EPA 180.1	0.096	0.4	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/14/2018 1:40:00 PM	Volatile Suspended Solids	n/a	=	42	mg/L	EPA 160.4	3.1	5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/19/2018 10:22:00 PM	Diesel Range Organics	n/a	=	0.81	mg/L	EPA 8015D	0.024	0.1	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/19/2018 10:22:00 PM	Oil Range Organics	n/a	=	1.1	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	4/2/2018 9:05:00 PM	Aluminum	Dissolved	=	25	µg/L	EPA 200.8	1.3	5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	4/2/2018 9:09:00 PM	Aluminum	Total	=	1400	µg/L	EPA 200.8	1.3	5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/31/2018 12:07:00 AM	Antimony	Dissolved	=	0.78	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/31/2018 12:15:00 AM	Antimony	Total	=	1.4	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/31/2018 12:07:00 AM	Arsenic	Dissolved	=	0.89	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/31/2018 12:15:00 AM	Arsenic	Total	=	1.4	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/31/2018 12:15:00 AM	Barium	Total	=	26	µg/L	EPA 200.8	0.071	0.5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/31/2018 12:07:00 AM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/31/2018 12:15:00 AM	Beryllium	Total	DNQ	0.04	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/31/2018 12:07:00 AM	Cadmium	Dissolved	DNQ	0.06	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/31/2018 12:15:00 AM	Cadmium	Total	=	0.14	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/31/2018 12:07:00 AM	Chromium	Dissolved	=	0.56	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/31/2018 12:15:00 AM	Chromium	Total	=	3.4	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/15/2018 6:37:00 PM	Chromium VI	n/a	=	0.46	µg/L	EPA 218.6	0.024	0.1	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/31/2018 12:07:00 AM	Copper	Dissolved	=	9.1	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/31/2018 12:15:00 AM	Copper	Total	=	21	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/26/2018 6:39:00 PM	Iron	Dissolved	=	28	µg/L	EPA 200.7	1.1	10	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/26/2018 7:18:00 PM	Iron	Total	=	1900	µg/L	EPA 200.7	1.1	10	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/31/2018 12:07:00 AM	Lead	Dissolved	DNQ	0.1	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/31/2018 12:15:00 AM	Lead	Total	=	2.6	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/23/2018 3:53:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/23/2018 3:55:00 PM	Mercury	Total	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/31/2018 12:07:00 AM	Nickel	Dissolved	=	1.7	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/31/2018 12:15:00 AM	Nickel	Total	=	4.4	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	4/2/2018 9:05:00 PM	Selenium	Dissolved	<	0.14	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	4/2/2018 9:09:00 PM	Selenium	Total	DNQ	0.16	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/31/2018 12:07:00 AM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/31/2018 12:15:00 AM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/31/2018 12:07:00 AM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/31/2018 12:15:00 AM	Thallium	Total	DNQ	0.02	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/31/2018 12:07:00 AM	Zinc	Dissolved	=	39	µg/L	EPA 200.8	0.94	5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/31/2018 12:15:00 AM	Zinc	Total	=	93	µg/L	EPA 200.8	0.94	5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/21/2018 8:47:00 PM	Ammonia as N	n/a	=	0.53	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/25/2018 10:15:00 AM	Nitrate + Nitrite as N	n/a	=	0.96	mg/L	EPA 353.2	0.083	0.2	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/27/2018 5:35:00 PM	Phosphorus as P	Dissolved	=	0.22	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 11:35:00 AM	Phosphorus as P	Total	=	0.4	mg/L	EPA 365.1	0.007	0.05	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/23/2018 3:23:00 PM	TKN	n/a	=	1.7	mg/L	EPA 351.2	0.1	0.2	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 3:32:00 AM	1,2,4-Trichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 3:32:00 AM	1,2-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 3:32:00 AM	1,2-Diphenylhydrazine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 3:32:00 AM	1,3-Dichlorobenzene	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 3:32:00 AM	1,4-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/27/2018 4:44:00 PM	1-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/23/2018 5:52:00 AM	2,4,5-Trichlorophenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 3:32:00 AM	2,4,6-Trichlorophenol	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/23/2018 5:52:00 AM	2,4,6-Trichlorophenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/23/2018 5:52:00 AM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 8270C	2.6	5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 3:32:00 AM	2,4-Dichlorophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 5:52:00 AM	2,4-Dimethylphenol	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	EST-LCSRPD
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/23/2018 5:52:00 AM	2,4-Dimethylphenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/23/2018 5:52:00 AM	2,4-Dinitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	EST-LCSRPD
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 3:32:00 AM	2,4-Dinitrophenol	n/a	<	7.9	µg/L	EPA 625	7.9	50	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 3:32:00 AM	2,4-Dinitrotoluene	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 3:32:00 AM	2,6-Dinitrotoluene	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 3:32:00 AM	2-Chloronaphthalene	n/a	<	2.2	µg/L	EPA 625	2.2	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 3:32:00 AM	2-Chlorophenol	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/23/2018 5:52:00 AM	2-Chlorophenol	n/a	<	3.2	µg/L	EPA 8270C	3.2	5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/27/2018 4:44:00 PM	2-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/23/2018 5:52:00 AM	2-Methylphenol	n/a	<	1.7	µg/L	EPA 8270C	1.7	5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/23/2018 5:52:00 AM	2-Nitrophenol	n/a	<	3.6	µg/L	EPA 8270C	3.6	5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 3:32:00 AM	2-Nitrophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 3:32:00 AM	3,3'-Dichlorobenzidine	n/a	<	6	µg/L	EPA 625	6	25	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/23/2018 5:52:00 AM	3-/4-Methylphenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 3:32:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	8.6	µg/L	EPA 625	8.6	25	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/23/2018 5:52:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.7	µg/L	EPA 8270C	0.7	5	WKL	EST-LCSRPD
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 3:32:00 AM	4-Bromophenyl phenyl ether	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/23/2018 5:52:00 AM	4-Chloro-3-methylphenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 3:32:00 AM	4-Chloro-3-methylphenol	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 3:32:00 AM	4-Chlorophenyl phenyl ether	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 3:32:00 AM	4-Nitrophenol	n/a	<	2.2	µg/L	EPA 625	2.2	25	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/23/2018 5:52:00 AM	4-Nitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	EST-LCSRPD
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 3:32:00 AM	Acenaphthene	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/27/2018 4:44:00 PM	Acenaphthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/27/2018 4:44:00 PM	Acenaphthylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 3:32:00 AM	Acenaphthylene	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 3:32:00 AM	Anthracene	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/27/2018 4:44:00 PM	Anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 3:32:00 AM	Benz(a)anthracene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/27/2018 4:44:00 PM	Benz(a)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 3:32:00 AM	Benzidine	n/a	<	18	µg/L	EPA 625	18	50	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/27/2018 4:44:00 PM	Benzo(a)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 3:52:00 PM	Benzo(a)pyrene	n/a	<	0.35	µg/L	EPA 525.2	0.35	0.5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 3:32:00 AM	Benzo(a)pyrene	n/a	<	0.65	µg/L	EPA 625	0.65	5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 3:32:00 AM	Benzo(b)fluoranthene	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/27/2018 4:44:00 PM	Benzo(b)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/27/2018 4:44:00 PM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 3:32:00 AM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 625	0.5	10	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 3:32:00 AM	Benzo(k)fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/27/2018 4:44:00 PM	Benzo(k)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 3:32:00 AM	Bis(2-chloroethoxy)methane	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 3:32:00 AM	Bis(2-chloroethyl)ether	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 3:32:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 3:52:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.52	µg/L	EPA 525.2	0.52	25	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 3:32:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	12	µg/L	EPA 625	12	25	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 3:52:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	5.3	µg/L	EPA 525.2	5.3	15	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 3:32:00 AM	Butyl benzyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 3:32:00 AM	Chrysene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/27/2018 4:44:00 PM	Chrysene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/27/2018 4:44:00 PM	Dibenz(a,h)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 3:32:00 AM	Dibenz(a,h)anthracene	n/a	<	0.4	µg/L	EPA 625	0.4	10	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 3:32:00 AM	Diethyl phthalate	n/a	DNQ	0.87	µg/L	EPA 625	0.75	5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 3:32:00 AM	Dimethyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 3:32:00 AM	Di-n-butylphthalate	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 3:32:00 AM	Di-n-octylphthalate	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/27/2018 4:44:00 PM	Fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 3:32:00 AM	Fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/27/2018 4:44:00 PM	Fluorene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 3:32:00 AM	Fluorene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 3:32:00 AM	Hexachlorobenzene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 3:32:00 AM	Hexachlorobutadiene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 3:32:00 AM	Hexachlorocyclopentadiene	n/a	<	7.3	µg/L	EPA 625	7.3	25	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 3:32:00 AM	Hexachloroethane	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 3:32:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.6	µg/L	EPA 625	0.6	10	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/27/2018 4:44:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 3:32:00 AM	Isophorone	n/a	<	1	µg/L	EPA 625	1	5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 3:32:00 AM	Naphthalene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/27/2018 4:44:00 PM	Naphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 3:32:00 AM	Nitrobenzene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 3:32:00 AM	N-Nitrosodimethylamine	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 3:32:00 AM	N-Nitrosodi-N-propylamine	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 3:32:00 AM	N-Nitrosodiphenylamine	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/27/2018 4:44:00 PM	Phenanthrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 3:32:00 AM	Phenanthrene	n/a	<	1.6	µg/L	EPA 625	1.6	5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 3:32:00 AM	Phenol	n/a	<	0.8	µg/L	EPA 625	0.8	5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/23/2018 5:52:00 PM	Phenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/27/2018 4:44:00 PM	Pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 3:32:00 AM	Pyrene	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/24/2018 8:52:00 PM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/24/2018 8:52:00 PM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/24/2018 8:52:00 PM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/24/2018 8:52:00 PM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/24/2018 8:52:00 PM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/24/2018 8:52:00 PM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/24/2018 8:52:00 PM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/17/2018 4:26:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/17/2018 4:26:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/17/2018 4:26:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/17/2018 4:26:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/17/2018 4:26:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/24/2018 8:52:00 PM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/24/2018 8:52:00 PM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/24/2018 8:52:00 PM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/17/2018 4:26:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 3:52:00 PM	Alachlor	n/a	<	0.11	µg/L	EPA 525.2	0.11	0.5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/24/2018 8:52:00 PM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/24/2018 8:52:00 PM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/24/2018 8:52:00 PM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 3:52:00 PM	Atrazine	n/a	<	0.17	µg/L	EPA 525.2	0.17	0.5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/19/2018 3:44:00 PM	Azinphos methyl	n/a	<	0.028	µg/L	EPA 525.2m	0.028	0.05	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/17/2018 4:26:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/24/2018 8:52:00 PM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/19/2018 3:44:00 PM	Bolstar	n/a	<	0.023	µg/L	EPA 525.2m	0.023	0.05	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 3:52:00 PM	Bromacil	n/a	<	0.19	µg/L	EPA 525.2	0.19	5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 3:52:00 PM	Butachlor	n/a	<	0.085	µg/L	EPA 525.2	0.085	1	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 3:52:00 PM	Captan	n/a	<	4.3	µg/L	EPA 525.2	4.3	5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/24/2018 8:52:00 PM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 3:52:00 PM	Chlorpropham	n/a	<	0.05	µg/L	EPA 525.2	0.05	0.5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/19/2018 3:44:00 PM	Chlorpyrifos	n/a	<	0.034	µg/L	EPA 525.2m	0.034	0.05	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/19/2018 3:44:00 PM	Coumaphos	n/a	<	0.026	µg/L	EPA 525.2m	0.026	0.05	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 3:52:00 PM	Cyanazine	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/17/2018 4:26:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/17/2018 4:26:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/24/2018 8:52:00 PM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/19/2018 3:44:00 PM	Demeton-O	n/a	<	0.05	µg/L	EPA 525.2m	0.05	0.05	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/19/2018 3:44:00 PM	Demeton-S	n/a	<	0.05	µg/L	EPA 525.2m	0.05	0.05	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 3:52:00 PM	Diazinon	n/a	<	0.48	µg/L	EPA 525.2	0.48	0.5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/19/2018 3:44:00 PM	Diazinon	n/a	<	0.026	µg/L	EPA 525.2m	0.026	0.05	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/17/2018 4:26:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/17/2018 4:26:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/19/2018 3:44:00 PM	Dichlorvos	n/a	DNQ	0.049	µg/L	EPA 525.2m	0.014	0.05	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/24/2018 8:52:00 PM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 3:52:00 PM	Dimethoate	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/19/2018 3:44:00 PM	Dimethoate	n/a	<	0.031	µg/L	EPA 525.2m	0.031	0.05	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/17/2018 4:26:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 3:52:00 PM	Diphenamid	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 3:52:00 PM	Disulfoton	n/a	<	0.16	µg/L	EPA 525.2	0.16	0.5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/19/2018 3:44:00 PM	Disulfoton	n/a	<	0.05	µg/L	EPA 525.2m	0.05	0.05	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/24/2018 8:52:00 PM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/24/2018 8:52:00 PM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/24/2018 8:52:00 PM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/24/2018 8:52:00 PM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/24/2018 8:52:00 PM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 3:52:00 PM	EPTC	n/a	<	0.085	µg/L	EPA 525.2	0.085	5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/19/2018 3:44:00 PM	Ethoprop	n/a	<	0.034	µg/L	EPA 525.2m	0.034	0.05	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/19/2018 3:44:00 PM	Ethyl parathion	n/a	<	0.027	µg/L	EPA 525.2m	0.027	0.05	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/19/2018 3:44:00 PM	Fensulfthion	n/a	<	0.014	µg/L	EPA 525.2m	0.014	0.05	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/19/2018 3:44:00 PM	Fenthion	n/a	<	0.019	µg/L	EPA 525.2m	0.019	0.05	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/24/2018 8:52:00 PM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/24/2018 8:52:00 PM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 10:40:00 PM	Glyphosate	n/a	DNQ	3.9	µg/L	EPA 547	1.8	5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/24/2018 8:52:00 PM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/24/2018 8:52:00 PM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/19/2018 3:44:00 PM	Malathion	n/a	<	0.038	µg/L	EPA 525.2m	0.038	0.05	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/19/2018 3:44:00 PM	Merphos	n/a	<	0.029	µg/L	EPA 525.2m	0.029	0.05	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/24/2018 8:52:00 PM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/19/2018 3:44:00 PM	Methyl parathion	n/a	<	0.032	µg/L	EPA 525.2m	0.032	0.05	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 3:52:00 PM	Metolachlor	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 3:52:00 PM	Metribuzin	n/a	<	0.075	µg/L	EPA 525.2	0.075	0.5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/19/2018 3:44:00 PM	Mevinphos	n/a	<	0.021	µg/L	EPA 525.2m	0.021	0.05	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 3:52:00 PM	Molinate	n/a	<	0.2	µg/L	EPA 525.2	0.2	0.5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/19/2018 3:44:00 PM	Naled	n/a	<	0.038	µg/L	EPA 525.2m	0.038	0.05	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 3:32:00 AM	Pentachlorophenol	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/23/2018 5:52:00 AM	Pentachlorophenol	n/a	<	0.75	µg/L	EPA 8270C	0.75	5	WKL	EST-LCSRPD
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/17/2018 4:26:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/19/2018 3:44:00 PM	Phorate	n/a	<	0.015	µg/L	EPA 525.2m	0.015	0.05	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/17/2018 4:26:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 3:52:00 PM	Prometon	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	EST-LCSRPD
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 3:52:00 PM	Prometryn	n/a	<	0.18	µg/L	EPA 525.2	0.18	0.5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/19/2018 3:44:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.02	µg/L	EPA 525.2m	0.02	0.05	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 3:52:00 PM	Simazine	n/a	<	0.075	µg/L	EPA 525.2	0.075	0.5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/19/2018 3:44:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.016	µg/L	EPA 525.2m	0.016	0.05	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 3:52:00 PM	Terbacil	n/a	<	2.8	µg/L	EPA 525.2	2.8	10	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 3:52:00 PM	Thiobencarb	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/19/2018 3:44:00 PM	Tokuthion	n/a	<	0.039	µg/L	EPA 525.2m	0.039	0.05	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/24/2018 8:52:00 PM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/19/2018 3:44:00 PM	Trichloronate	n/a	<	0.034	µg/L	EPA 525.2m	0.034	0.05	WKL	
MO-CAM	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 3:52:00 PM	Trithion	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.5	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/4/2018 10:00:00 AM	Chloride	n/a	=	190	mg/L	EPA 300.0	0.6	3	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/4/2018 10:00:00 AM	Fluoride	n/a	=	0.81	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/7/2018 4:22:00 AM	Perchlorate	n/a	<	1.9	µg/L	EPA 314.0	1.9	4	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/4/2018 10:00:00 AM	Sulfate	Total	=	300	mg/L	EPA 300.0	0.6	3	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/7/2018 11:31:00 AM	Calcium	Total	=	94.6	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/7/2018 11:31:00 AM	Magnesium	Total	=	23.6	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/7/2018 11:31:00 AM	Potassium	Total	=	14	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/7/2018 11:31:00 AM	Sodium	Total	=	170	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	5/31/2018 1:09:00 PM	Alkalinity as CaCO3	n/a	=	150	mg/L	SM 2320 B	0.56	2	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/5/2018 5:07:00 PM	BOD	n/a	=	9.2	mg/L	SM 5210 B	2	2	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/7/2018 1:47:00 PM	COD	n/a	=	69	mg/L	EPA 410.4	0.73	5	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/12/2018 11:30:00 AM	Dissolved Inorganic Carbon	Dissolved	=	28	mg/L	SM 5310 B	0.5	0.5	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/6/2018 3:22:00 PM	Dissolved Organic Carbon	Dissolved	=	38	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/7/2018 11:31:00 AM	Hardness as CaCO3	Total	=	333	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	5/31/2018 7:53:00 PM	MBAS	n/a	DNQ	0.041	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/12/2018 2:27:00 PM	Phenolics	n/a	=	0.028	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/5/2018 12:42:00 PM	Specific Conductance	n/a	=	1500	µmhos/cm	SM 2510 B	0.47	4	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/5/2018 6:00:00 PM	Total Dissolved Solids	n/a	=	990	mg/L	SM 2540 C	4	10	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/5/2018 12:33:00 PM	Total Organic Carbon	n/a	=	36	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/4/2018 8:07:00 PM	Total Suspended Solids	n/a	=	8	mg/L	SM 2540 D	-88	5	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	5/31/2018 1:08:00 PM	Turbidity	n/a	=	3.5	NTU	EPA 180.1	0.024	0.1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/4/2018 8:17:00 PM	Volatile Suspended Solids	n/a	=	6	mg/L	EPA 160.4	3.1	5	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/4/2018 7:22:00 PM	Diesel Range Organics	n/a	=	1.3	mg/L	EPA 8015D	0.024	0.1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/4/2018 7:22:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/8/2018 3:05:00 PM	Aluminum	Dissolved	=	18	µg/L	EPA 200.8	1.3	5	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/8/2018 4:24:00 PM	Aluminum	Total	=	38	µg/L	EPA 200.8	1.3	5	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/8/2018 3:05:00 PM	Antimony	Dissolved	=	0.66	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/8/2018 4:24:00 PM	Antimony	Total	=	0.69	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/8/2018 3:05:00 PM	Arsenic	Dissolved	=	3.3	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/8/2018 4:24:00 PM	Arsenic	Total	=	3.6	µg/L	EPA 200.8	0.074	0.4	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/8/2018 4:24:00 PM	Barium	Total	=	54	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/8/2018 3:05:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/8/2018 4:24:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/8/2018 3:05:00 PM	Cadmium	Dissolved	=	0.24	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/8/2018 4:24:00 PM	Cadmium	Total	=	0.24	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/13/2018 6:07:00 PM	Chromium	Dissolved	=	0.26	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/13/2018 6:11:00 PM	Chromium	Total	=	0.32	µg/L	EPA 200.8	0.035	0.2	WKL	UL-MB
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/7/2018 4:44:00 PM	Chromium VI	n/a	=	0.14	µg/L	EPA 218.6	0.024	0.1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/13/2018 6:07:00 PM	Copper	Dissolved	=	16	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/13/2018 6:11:00 PM	Copper	Total	=	19	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/7/2018 11:14:00 AM	Iron	Dissolved	=	30	µg/L	EPA 200.7	1.1	10	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/7/2018 11:31:00 AM	Iron	Total	=	92	µg/L	EPA 200.7	1.1	10	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/8/2018 3:05:00 PM	Lead	Dissolved	=	0.24	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/8/2018 4:24:00 PM	Lead	Total	=	0.32	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/12/2018 4:55:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/12/2018 4:57:00 PM	Mercury	Total	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/8/2018 3:05:00 PM	Nickel	Dissolved	=	3.1	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/8/2018 4:24:00 PM	Nickel	Total	=	3.3	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/8/2018 3:05:00 PM	Selenium	Dissolved	DNQ	0.22	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/8/2018 4:24:00 PM	Selenium	Total	DNQ	0.26	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/8/2018 3:05:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/8/2018 4:24:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/8/2018 3:05:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/8/2018 4:24:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/8/2018 3:05:00 PM	Zinc	Dissolved	=	30	µg/L	EPA 200.8	0.94	5	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/8/2018 4:24:00 PM	Zinc	Total	=	32	µg/L	EPA 200.8	0.94	5	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	5/31/2018 6:42:00 PM	Ammonia as N	n/a	DNQ	0.098	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/11/2018 5:21:00 PM	Nitrate + Nitrite as N	n/a	=	0.5	mg/L	EPA 353.2	0.083	0.2	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/27/2018 12:03:00 PM	Phosphorus as P	Dissolved	=	1	mg/L	EPA 365.1	0.014	0.1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/20/2018 12:56:00 PM	Phosphorus as P	Total	=	1	mg/L	EPA 365.1	0.014	0.1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/7/2018 4:39:00 PM	TKN	n/a	=	37	mg/L	EPA 351.2	0.8	1.6	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/8/2018 3:50:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/8/2018 3:50:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/8/2018 3:50:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/8/2018 3:50:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/8/2018 3:50:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/13/2018 4:23:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/12/2018 8:35:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/12/2018 8:35:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/8/2018 3:50:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/8/2018 3:50:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/12/2018 8:35:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/8/2018 3:50:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/12/2018 8:35:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/8/2018 3:50:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/12/2018 8:35:00 PM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/8/2018 3:50:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/8/2018 3:50:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/8/2018 3:50:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/8/2018 3:50:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/12/2018 8:35:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/13/2018 4:23:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/12/2018 8:35:00 PM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/8/2018 3:50:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/12/2018 8:35:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/8/2018 3:50:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/12/2018 8:35:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/8/2018 3:50:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/18/2018 10:29:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/8/2018 3:50:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/8/2018 3:50:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/12/2018 8:35:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/8/2018 3:50:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/8/2018 3:50:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/18/2018 10:29:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/13/2018 4:23:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/8/2018 3:50:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/13/2018 4:23:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/8/2018 3:50:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/8/2018 3:50:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/13/2018 4:23:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/8/2018 3:50:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/13/2018 4:23:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/8/2018 3:50:00 AM	Ben-zidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/8/2018 3:50:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/13/2018 4:23:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/7/2018 2:20:00 AM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/13/2018 4:23:00 PM	Benzo(b)fluoranthene	n/a	=	0.13	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/8/2018 3:50:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/13/2018 4:23:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/8/2018 3:50:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/13/2018 4:23:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/8/2018 3:50:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/8/2018 3:50:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/8/2018 3:50:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/8/2018 3:50:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/7/2018 2:20:00 AM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/8/2018 3:50:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/7/2018 2:20:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/8/2018 3:50:00 AM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/13/2018 4:23:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/8/2018 3:50:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/13/2018 4:23:00 PM	Dibenz(a,h)anthracene	n/a	=	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/8/2018 3:50:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/8/2018 3:50:00 AM	Diethyl phthalate	n/a	=	7.4	µg/L	EPA 625	0.15	1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/8/2018 3:50:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/8/2018 3:50:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/8/2018 3:50:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/13/2018 4:23:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/8/2018 3:50:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/8/2018 3:50:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/13/2018 4:23:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/8/2018 3:50:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/8/2018 3:50:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/8/2018 3:50:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/8/2018 3:50:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/8/2018 3:50:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/13/2018 4:23:00 PM	Indeno(1,2,3-cd)pyrene	n/a	=	0.12	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/8/2018 3:50:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/13/2018 4:23:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/8/2018 3:50:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/8/2018 3:50:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/8/2018 3:50:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/8/2018 3:50:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/8/2018 3:50:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/8/2018 3:50:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/13/2018 4:23:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/12/2018 7:34:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/8/2018 3:50:00 AM	Phenol	n/a	DNQ	0.32	µg/L	EPA 625	0.16	1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/8/2018 3:50:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/13/2018 4:23:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/11/2018 7:00:00 PM	PCB Aroclor 1016	n/a	<	0.5	µg/L	EPA 608	0.5	5	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/11/2018 7:00:00 PM	PCB Aroclor 1221	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/11/2018 7:00:00 PM	PCB Aroclor 1232	n/a	<	1.5	µg/L	EPA 608	1.5	5	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/11/2018 7:00:00 PM	PCB Aroclor 1242	n/a	<	0.7	µg/L	EPA 608	0.7	5	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/11/2018 7:00:00 PM	PCB Aroclor 1248	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/11/2018 7:00:00 PM	PCB Aroclor 1254	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/11/2018 7:00:00 PM	PCB Aroclor 1260	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/12/2018 7:34:00 PM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/12/2018 7:34:00 PM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/12/2018 7:34:00 PM	2,4-D	n/a	=	2.2	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/12/2018 7:34:00 PM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/12/2018 7:34:00 PM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/11/2018 7:00:00 PM	4,4'-DDD	n/a	<	0.03	µg/L	EPA 608	0.03	0.5	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/11/2018 7:00:00 PM	4,4'-DDE	n/a	<	0.025	µg/L	EPA 608	0.025	0.5	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/11/2018 7:00:00 PM	4,4'-DDT	n/a	<	0.031	µg/L	EPA 608	0.031	0.1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/12/2018 7:34:00 PM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/7/2018 2:20:00 AM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/11/2018 7:00:00 PM	Aldrin	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/11/2018 7:00:00 PM	alpha-BHC	n/a	<	0.018	µg/L	EPA 608	0.018	0.1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/11/2018 7:00:00 PM	alpha-Chlordane	n/a	<	0.041	µg/L	EPA 608	0.041	0.1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/7/2018 2:20:00 AM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/18/2018 3:41:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	EST-HT
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/12/2018 7:34:00 PM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/11/2018 7:00:00 PM	beta-BHC	n/a	<	0.031	µg/L	EPA 608	0.031	0.05	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/18/2018 3:41:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	EST-HT
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/7/2018 2:20:00 AM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/7/2018 2:20:00 AM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/7/2018 2:20:00 AM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/11/2018 7:00:00 PM	Chlordane (technical)	n/a	<	0.8	µg/L	EPA 608	0.8	1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/7/2018 2:20:00 AM	Chloropropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/18/2018 3:41:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	EST-HT
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/18/2018 3:41:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	EST-HT
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/7/2018 2:20:00 AM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/12/2018 7:34:00 PM	Dalapon	n/a	=	4.3	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/12/2018 7:34:00 PM	DCPA (Dacthal)	n/a	=	0.85	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/11/2018 7:00:00 PM	delta-BHC	n/a	<	0.025	µg/L	EPA 608	0.025	0.05	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/18/2018 3:41:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	EST-HT, EST-LCSR
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/18/2018 3:41:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	EST-HT
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/18/2018 3:41:00 PM	Diazinon	n/a	=	0.011	µg/L	EPA 525.2m	0.0052	0.01	WKL	EST-HT
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/7/2018 2:20:00 AM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/12/2018 7:34:00 PM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/12/2018 7:34:00 PM	Dichloroprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/18/2018 3:41:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	EST-HT
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/11/2018 7:00:00 PM	Dieldrin	n/a	<	0.021	µg/L	EPA 608	0.021	0.1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/18/2018 3:41:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	EST-HT
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/7/2018 2:20:00 AM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/12/2018 7:34:00 PM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/7/2018 2:20:00 AM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/7/2018 2:20:00 AM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/18/2018 3:41:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	EST-HT
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/11/2018 7:00:00 PM	Endosulfan I	n/a	<	0.017	µg/L	EPA 608	0.017	0.2	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/11/2018 7:00:00 PM	Endosulfan II	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/11/2018 7:00:00 PM	Endosulfan sulfate	n/a	<	0.08	µg/L	EPA 608	0.08	0.5	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/11/2018 7:00:00 PM	Endrin	n/a	<	0.028	µg/L	EPA 608	0.028	0.1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/11/2018 7:00:00 PM	Endrin aldehyde	n/a	<	0.03	µg/L	EPA 608	0.03	0.1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/7/2018 2:20:00 AM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/18/2018 3:41:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	EST-HT
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/18/2018 3:41:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	EST-HT, EST-LCSR
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/18/2018 3:41:00 PM	Fensulfotthion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	EST-HT
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/18/2018 3:41:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	EST-HT, EST-LCSR
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/11/2018 7:00:00 PM	gamma-BHC (Lindane)	n/a	<	0.021	µg/L	EPA 608	0.021	0.2	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/11/2018 7:00:00 PM	gamma-Chlordane	n/a	<	0.044	µg/L	EPA 608	0.044	0.1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/12/2018 2:58:00 PM	Glyphosate	n/a	=	11	µg/L	EPA 547	1.8	5	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/11/2018 7:00:00 PM	Heptachlor	n/a	<	0.017	µg/L	EPA 608	0.017	0.1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/11/2018 7:00:00 PM	Heptachlor epoxide	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/18/2018 3:41:00 PM	Malathion	n/a	=	0.017	µg/L	EPA 525.2m	0.0076	0.01	WKL	EST-HT, EST-LCSR
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/18/2018 3:41:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	EST-HT
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/11/2018 7:00:00 PM	Methoxychlor	n/a	<	0.054	µg/L	EPA 608	0.054	0.2	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/18/2018 3:41:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	EST-HT, EST-LCSR
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/7/2018 2:20:00 AM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/7/2018 2:20:00 AM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/18/2018 3:41:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	EST-HT
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/7/2018 2:20:00 AM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/18/2018 3:41:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	EST-HT
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/8/2018 3:50:00 AM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/12/2018 7:34:00 PM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/18/2018 10:29:00 PM	Pentachlorophenol	n/a	DNQ	0.47	µg/L	EPA 8270C	0.15	1	WKL	HB-LCSR
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/18/2018 3:41:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	EST-HT
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/12/2018 7:34:00 PM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/7/2018 2:20:00 AM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/7/2018 2:20:00 AM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/18/2018 3:41:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	EST-HT
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/7/2018 2:20:00 AM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/18/2018 3:41:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/7/2018 2:20:00 AM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/7/2018 2:20:00 AM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/18/2018 3:41:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	EST-HT
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/11/2018 7:00:00 PM	Toxaphene	n/a	<	1.2	µg/L	EPA 608	1.2	5	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/18/2018 3:41:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	EST-HT, EST-LCSR
MO-CAM	2017/18-5	Dry	5/30/2018 11:35:00 AM	6/7/2018 2:20:00 AM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:45:00 AM	5/31/2018 8:00:00 AM	E. Coli	n/a	=	38730	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-CAM	2017/18-5	Dry	5/30/2018 11:45:00 AM	5/31/2018 8:00:00 AM	Total Coliform	n/a	=	206400	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-CAM	2017/18-5	Dry	5/30/2018 11:45:00 AM	5/30/2018 11:45:00 AM	Conductivity	n/a	=	1055	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-CAM	2017/18-5	Dry	5/30/2018 11:45:00 AM	6/7/2018 6:23:00 PM	Cyanide	Total	DNQ	0.0012	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:45:00 AM	5/30/2018 11:45:00 AM	DO	n/a	=	15.29	mg/L	Field Meter	-88	0.3	Field Crew	
MO-CAM	2017/18-5	Dry	5/30/2018 11:45:00 AM	5/30/2018 11:45:00 AM	DO	n/a	=	183.5	%	Field Meter	-88	0.1	Field Crew	
MO-CAM	2017/18-5	Dry	5/30/2018 11:45:00 AM	5/30/2018 11:45:00 AM	pH	n/a	=	9.52	pH Units	Field Meter	-88	0.01	Field Crew	
MO-CAM	2017/18-5	Dry	5/30/2018 11:45:00 AM	5/30/2018 11:45:00 AM	Salinity	n/a	=	500	mg/L	Field Meter	-88	100	Field Crew	
MO-CAM	2017/18-5	Dry	5/30/2018 11:45:00 AM	5/30/2018 11:45:00 AM	Specific Conductance	n/a	=	1078	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-CAM	2017/18-5	Dry	5/30/2018 11:45:00 AM	5/30/2018 11:45:00 AM	Temperature	n/a	=	23.8	°C	Field Meter	-88	0.1	Field Crew	
MO-CAM	2017/18-5	Dry	5/30/2018 11:45:00 AM	5/31/2018 4:25:00 PM	Gasoline Range Organics	n/a	<	0.012	mg/L	LUFT GC/MS	0.012	0.1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:45:00 AM	5/31/2018 5:55:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:45:00 AM	6/4/2018 6:52:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-CAM	2017/18-5	Dry	5/30/2018 11:45:00 AM	6/4/2018 6:52:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-CAM	2018-DRY	Dry	8/21/2018 7:40:00 AM	8/22/2018 6:30:00 AM	E. Coli	n/a	=	19863	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-CAM	2018-DRY	Dry	8/21/2018 7:40:00 AM	8/22/2018 6:30:00 AM	Total Coliform	n/a	=	816400	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-CAM	2018-DRY	Dry	8/21/2018 7:40:00 AM	8/24/2018 3:34:00 PM	Calcium	Total	=	225	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-CAM	2018-DRY	Dry	8/21/2018 7:40:00 AM	8/24/2018 3:34:00 PM	Magnesium	Total	=	70.4	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-CAM	2018-DRY	Dry	8/21/2018 7:40:00 AM	8/21/2018 7:40:00 AM	Conductivity	n/a	=	2654	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-CAM	2018-DRY	Dry	8/21/2018 7:40:00 AM	8/21/2018 7:40:00 AM	Discharge	n/a	=	0.05	cfs	Field Estimate	-88	-88	Field Crew	EST
MO-CAM	2018-DRY	Dry	8/21/2018 7:40:00 AM	8/21/2018 7:40:00 AM	DO	n/a	=	109	%	Field Meter	-88	0.1	Field Crew	
MO-CAM	2018-DRY	Dry	8/21/2018 7:40:00 AM	8/21/2018 7:40:00 AM	DO	n/a	=	9.26	mg/L	Field Meter	-88	0.3	Field Crew	
MO-CAM	2018-DRY	Dry	8/21/2018 7:40:00 AM	8/24/2018 3:34:00 PM	Hardness as CaCO3	Total	=	851	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-CAM	2018-DRY	Dry	8/21/2018 7:40:00 AM	8/21/2018 7:40:00 AM	pH	n/a	=	8.32	pH Units	Field Meter	-88	0.01	Field Crew	
MO-CAM	2018-DRY	Dry	8/21/2018 7:40:00 AM	8/21/2018 7:40:00 AM	Salinity	n/a	=	1400	mg/L	Field Meter	-88	100	Field Crew	
MO-CAM	2018-DRY	Dry	8/21/2018 7:40:00 AM	8/21/2018 7:40:00 AM	Specific Conductance	n/a	=	2743	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-CAM	2018-DRY	Dry	8/21/2018 7:40:00 AM	8/21/2018 7:40:00 AM	Temperature	n/a	=	23.4	°C	Field Meter	-88	0.1	Field Crew	
MO-CAM	2018-DRY	Dry	8/21/2018 7:40:00 AM	8/28/2018 12:44:00 PM	Total Organic Carbon	n/a	=	55	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-CAM	2018-DRY	Dry	8/21/2018 7:40:00 AM	8/21/2018 7:40:00 AM	Turbidity	n/a	=	52.47	NTU	Field Meter	-88	0.01	Field Crew	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2018-DRY	Dry	8/21/2018 7:40:00 AM	8/28/2018 6:02:00 PM	Copper	Dissolved	=	14	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-CAM	2018-DRY	Dry	8/21/2018 7:40:00 AM	8/28/2018 6:02:00 PM	Lead	Dissolved	=	0.24	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-CAM	2018-DRY	Dry	8/21/2018 7:40:00 AM	8/28/2018 6:02:00 PM	Zinc	Dissolved	=	9.3	µg/L	EPA 200.8	0.94	5	WKL	
MO-FIL	2017/18-1	Wet	1/8/2018 4:45:00 PM	1/9/2018 12:10:00 PM	E. Coli	n/a	=	17329	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-FIL	2017/18-1	Wet	1/8/2018 4:45:00 PM	1/11/2018 2:15:00 PM	Fecal Coliform	n/a	>	160000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-FIL	2017/18-1	Wet	1/8/2018 4:45:00 PM	1/9/2018 12:10:00 PM	Total Coliform	n/a	=	547500	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-FIL	2017/18-1	Wet	1/8/2018 4:45:00 PM	1/8/2018 4:45:00 PM	Conductivity	n/a	=	147.5	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-FIL	2017/18-1	Wet	1/8/2018 4:45:00 PM	1/16/2018 6:51:00 PM	Cyanide	Total	=	0.0027	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-FIL	2017/18-1	Wet	1/8/2018 4:45:00 PM	1/8/2018 4:45:00 PM	DO	n/a	=	91.3	%	Field Meter	-88	0.1	Field Crew	
MO-FIL	2017/18-1	Wet	1/8/2018 4:45:00 PM	1/8/2018 4:45:00 PM	DO	n/a	=	9.04	mg/L	Field Meter	-88	0.3	Field Crew	
MO-FIL	2017/18-1	Wet	1/8/2018 4:45:00 PM	1/8/2018 4:45:00 PM	pH	n/a	=	7.94	pH Units	Field Meter	-88	0.01	Field Crew	
MO-FIL	2017/18-1	Wet	1/8/2018 4:45:00 PM	1/8/2018 4:45:00 PM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	
MO-FIL	2017/18-1	Wet	1/8/2018 4:45:00 PM	1/8/2018 4:45:00 PM	Specific Conductance	n/a	=	179.3	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-FIL	2017/18-1	Wet	1/8/2018 4:45:00 PM	1/8/2018 4:45:00 PM	Temperature	n/a	=	15.8	°C	Field Meter	-88	0.1	Field Crew	
MO-FIL	2017/18-1	Wet	1/8/2018 4:45:00 PM	1/18/2018 10:34:00 AM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
MO-FIL	2017/18-1	Wet	1/8/2018 4:45:00 PM	1/19/2018 5:44:00 PM	Oil and Grease	n/a	DNQ	1.8	mg/L	EPA 1664A	1.3	5	WKL	
MO-FIL	2017/18-1	Wet	1/8/2018 4:45:00 PM	1/12/2018 4:40:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-FIL	2017/18-1	Wet	1/8/2018 4:45:00 PM	1/12/2018 4:40:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/15/2018 1:00:00 PM	Chloride	n/a	=	26	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/15/2018 1:00:00 PM	Fluoride	n/a	=	0.17	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/18/2018 12:28:00 AM	Perchlorate	n/a	=	10	µg/L	EPA 314.0	2.8	6	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/15/2018 1:00:00 PM	Sulfate	Total	=	100	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/18/2018 11:40:00 AM	Calcium	Total	=	45.9	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/18/2018 11:40:00 AM	Magnesium	Total	=	10.1	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/18/2018 11:40:00 AM	Potassium	Total	=	7.9	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/18/2018 11:40:00 AM	Sodium	Total	=	24	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/15/2018 1:41:00 PM	Alkalinity as CaCO3	n/a	=	65	mg/L	SM 2320 B	0.56	2	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/16/2018 5:05:00 PM	BOD	n/a	=	17	mg/L	SM 5210 B	2	2	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/17/2018 9:48:00 AM	COD	n/a	=	88	mg/L	EPA 410.4	0.73	5	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/22/2018 4:21:00 PM	Dissolved Inorganic Carbon	Dissolved	=	13	mg/L	SM 5310 B	0.5	0.5	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/15/2018 12:47:00 PM	Dissolved Organic Carbon	Dissolved	=	20	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/18/2018 11:40:00 AM	Hardness as CaCO3	Total	=	156	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/11/2018 9:34:00 PM	MBAS	n/a	=	0.36	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/19/2018 11:02:00 AM	Phenolics	n/a	=	0.021	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/16/2018 1:51:00 PM	Specific Conductance	n/a	=	450	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/16/2018 8:53:00 PM	Total Dissolved Solids	n/a	=	320	mg/L	SM 2540 C	4	10	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/12/2018 8:49:00 AM	Total Organic Carbon	n/a	=	22	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/15/2018 1:45:00 PM	Total Suspended Solids	n/a	=	170	mg/L	SM 2540 D	-88	5	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/11/2018 10:25:00 AM	Turbidity	n/a	=	34	NTU	EPA 180.1	0.024	0.1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/15/2018 1:45:00 PM	Volatile Suspended Solids	n/a	=	46	mg/L	EPA 160.4	3.1	5	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 9:21:00 PM	Diesel Range Organics	n/a	=	0.9	mg/L	EPA 8015D	0.024	0.1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 9:21:00 PM	Oil Range Organics	n/a	=	0.88	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 1:45:00 PM	Aluminum	Dissolved	=	33	µg/L	EPA 200.8	1.3	5	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 1:49:00 PM	Aluminum	Total	=	1300	µg/L	EPA 200.8	1.3	5	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 1:45:00 PM	Antimony	Dissolved	=	0.93	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 1:49:00 PM	Antimony	Total	=	1.4	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 1:45:00 PM	Arsenic	Dissolved	=	2.1	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 1:49:00 PM	Arsenic	Total	=	2.8	µg/L	EPA 200.8	0.074	0.4	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 1:49:00 PM	Barium	Total	=	56	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 1:45:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 1:49:00 PM	Beryllium	Total	DNQ	0.062	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 1:45:00 PM	Cadmium	Dissolved	=	0.25	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 1:49:00 PM	Cadmium	Total	=	1.1	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 1:45:00 PM	Chromium	Dissolved	=	1.9	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 1:49:00 PM	Chromium	Total	=	5.9	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/21/2018 2:17:00 PM	Chromium VI	n/a	=	1.7	µg/L	EPA 218.6	0.0096	0.04	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 1:45:00 PM	Copper	Dissolved	=	10	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 1:49:00 PM	Copper	Total	=	21	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/18/2018 11:02:00 AM	Iron	Dissolved	=	52	µg/L	EPA 200.7	1.1	10	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/18/2018 11:40:00 AM	Iron	Total	=	2300	µg/L	EPA 200.7	1.1	10	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 1:45:00 PM	Lead	Dissolved	DNQ	0.19	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 1:49:00 PM	Lead	Total	=	3.5	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/18/2018 3:58:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/18/2018 3:59:00 PM	Mercury	Total	DNQ	24	ng/L	EPA 245.1	17	50	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 1:45:00 PM	Nickel	Dissolved	=	3.7	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 1:49:00 PM	Nickel	Total	=	9	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 1:45:00 PM	Selenium	Dissolved	=	1.3	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 1:49:00 PM	Selenium	Total	=	1.7	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 1:45:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 1:49:00 PM	Silver	Total	DNQ	0.065	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 1:45:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 1:49:00 PM	Thallium	Total	DNQ	0.096	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 1:45:00 PM	Zinc	Dissolved	=	39	µg/L	EPA 200.8	0.94	5	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 1:49:00 PM	Zinc	Total	=	100	µg/L	EPA 200.8	0.94	5	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/13/2018 8:03:00 PM	Ammonia as N	n/a	=	0.46	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/15/2018 12:36:00 PM	Nitrate + Nitrite as N	n/a	=	2.2	mg/L	EPA 353.2	0.083	0.2	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/15/2018 7:31:00 PM	Phosphorus as P	Dissolved	=	0.42	mg/L	EPA 365.1	0.007	0.05	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/22/2018 4:11:00 PM	Phosphorus as P	Total	=	0.71	mg/L	EPA 365.1	0.014	0.1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/26/2018 5:09:00 PM	TKN	n/a	=	3	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/26/2018 1:03:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/26/2018 1:03:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/26/2018 1:03:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/26/2018 1:03:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/26/2018 1:03:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	2/2/2018 2:38:00 AM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/29/2018 8:27:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/26/2018 1:03:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/29/2018 8:27:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/26/2018 1:03:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/29/2018 8:27:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	EST-LCSRPD
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/26/2018 1:03:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/29/2018 8:27:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	EST-LCSRPD
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/26/2018 1:03:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/29/2018 8:27:00 PM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/26/2018 1:03:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/26/2018 1:03:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/26/2018 1:03:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/26/2018 1:03:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/29/2018 8:27:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	2/2/2018 2:38:00 AM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/29/2018 8:27:00 PM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/26/2018 1:03:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/29/2018 8:27:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/26/2018 1:03:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/29/2018 8:27:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/26/2018 1:03:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/29/2018 8:27:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/26/2018 1:03:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/29/2018 8:27:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/26/2018 1:03:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/26/2018 1:03:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/29/2018 8:27:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/26/2018 1:03:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/26/2018 1:03:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	2/2/2018 2:38:00 AM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/26/2018 1:03:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	2/2/2018 2:38:00 AM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	2/2/2018 2:38:00 AM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/26/2018 1:03:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	2/2/2018 2:38:00 AM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/26/2018 1:03:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/26/2018 1:03:00 AM	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	2/2/2018 2:38:00 AM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/26/2018 1:03:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/24/2018 12:22:00 AM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/26/2018 1:03:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	2/2/2018 2:38:00 AM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	2/2/2018 2:38:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/26/2018 1:03:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/26/2018 1:03:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	2/2/2018 2:38:00 AM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/26/2018 1:03:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/26/2018 1:03:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/26/2018 1:03:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/24/2018 12:22:00 AM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/26/2018 1:03:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/24/2018 12:22:00 AM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	2.1	µg/L	EPA 525.2	1.1	3	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/26/2018 1:03:00 AM	Butyl benzyl phthalate	n/a	DNQ	0.46	µg/L	EPA 625	0.18	1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/26/2018 1:03:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	2/2/2018 2:38:00 AM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/26/2018 1:03:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	2/2/2018 2:38:00 AM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/26/2018 1:03:00 AM	Diethyl phthalate	n/a	DNQ	0.24	µg/L	EPA 625	0.15	1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/26/2018 1:03:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/26/2018 1:03:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/26/2018 1:03:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/26/2018 1:03:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	2/2/2018 2:38:00 AM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	EST-LCSRPD
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/26/2018 1:03:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	2/2/2018 2:38:00 AM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/26/2018 1:03:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/26/2018 1:03:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/26/2018 1:03:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/26/2018 1:03:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/26/2018 1:03:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	2/2/2018 2:38:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/26/2018 1:03:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/26/2018 1:03:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	2/2/2018 2:38:00 AM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/26/2018 1:03:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/26/2018 1:03:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/26/2018 1:03:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/26/2018 1:03:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/26/2018 1:03:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	2/2/2018 2:38:00 AM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/26/2018 12:16:00 PM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/29/2018 8:27:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/26/2018 1:03:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	2/2/2018 2:38:00 AM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/24/2018 12:16:00 PM	PCB Aroclor 1016	n/a	<	0.5	µg/L	EPA 608	0.5	5	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/24/2018 12:16:00 PM	PCB Aroclor 1221	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/24/2018 12:16:00 PM	PCB Aroclor 1232	n/a	<	1.5	µg/L	EPA 608	1.5	5	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/24/2018 12:16:00 PM	PCB Aroclor 1242	n/a	<	0.7	µg/L	EPA 608	0.7	5	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/24/2018 12:16:00 PM	PCB Aroclor 1248	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/24/2018 12:16:00 PM	PCB Aroclor 1254	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/24/2018 12:16:00 PM	PCB Aroclor 1260	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/13/2018 7:54:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/13/2018 7:54:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/13/2018 7:54:00 AM	2,4-D	n/a	=	0.59	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/13/2018 7:54:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/13/2018 7:54:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/24/2018 12:16:00 PM	4,4'-DDD	n/a	<	0.03	µg/L	EPA 608	0.03	0.5	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/24/2018 12:16:00 PM	4,4'-DDE	n/a	<	0.025	µg/L	EPA 608	0.025	0.5	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/24/2018 12:16:00 PM	4,4'-DDT	n/a	<	0.031	µg/L	EPA 608	0.031	0.1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/13/2018 7:54:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/24/2018 12:22:00 AM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/24/2018 12:16:00 PM	Aldrin	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/24/2018 12:16:00 PM	alpha-BHC	n/a	<	0.018	µg/L	EPA 608	0.018	0.1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/24/2018 12:16:00 PM	alpha-Chlordane	n/a	<	0.041	µg/L	EPA 608	0.041	0.1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/24/2018 12:22:00 AM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/30/2018 10:32:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	EST-MSRPD
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/13/2018 7:54:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/24/2018 12:16:00 PM	beta-BHC	n/a	<	0.031	µg/L	EPA 608	0.031	0.05	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/30/2018 10:32:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/24/2018 12:22:00 AM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/24/2018 12:22:00 AM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/24/2018 12:22:00 AM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/24/2018 12:16:00 PM	Chlordane (technical)	n/a	<	0.8	µg/L	EPA 608	0.8	1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/24/2018 12:22:00 AM	Chloroprotham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/30/2018 10:32:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/30/2018 10:32:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	EST-MSRPD
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/24/2018 12:22:00 AM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/13/2018 7:54:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/13/2018 7:54:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/24/2018 12:16:00 PM	delta-BHC	n/a	<	0.025	µg/L	EPA 608	0.025	0.05	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/30/2018 10:32:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/30/2018 10:32:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/24/2018 12:22:00 AM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/30/2018 10:32:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/13/2018 7:54:00 AM	Dicamba	n/a	DNQ	0.16	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/13/2018 7:54:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/30/2018 10:32:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	EST-MSRPD
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/24/2018 12:16:00 PM	Dieldrin	n/a	<	0.021	µg/L	EPA 608	0.021	0.1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/24/2018 12:22:00 AM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/30/2018 10:32:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	EST-MSRPD
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/13/2018 7:54:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/24/2018 12:22:00 AM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/30/2018 10:32:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/24/2018 12:22:00 AM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/24/2018 12:16:00 PM	Endosulfan I	n/a	<	0.017	µg/L	EPA 608	0.017	0.2	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/24/2018 12:16:00 PM	Endosulfan II	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/24/2018 12:16:00 PM	Endosulfan sulfate	n/a	<	0.08	µg/L	EPA 608	0.08	0.5	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/24/2018 12:16:00 PM	Endrin	n/a	<	0.028	µg/L	EPA 608	0.028	0.1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/24/2018 12:16:00 PM	Endrin aldehyde	n/a	<	0.03	µg/L	EPA 608	0.03	0.1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/24/2018 12:22:00 AM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/30/2018 10:32:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/30/2018 10:32:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/30/2018 10:32:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	EST-MSRPD
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/30/2018 10:32:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/24/2018 12:16:00 PM	gamma-BHC (Lindane)	n/a	<	0.021	µg/L	EPA 608	0.021	0.2	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/24/2018 12:16:00 PM	gamma-Chlordane	n/a	<	0.044	µg/L	EPA 608	0.044	0.1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/11/2018 7:57:00 PM	Glyphosate	n/a	DNQ	17	µg/L	EPA 547	7.2	20	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/24/2018 12:16:00 PM	Heptachlor	n/a	<	0.017	µg/L	EPA 608	0.017	0.1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/24/2018 12:16:00 PM	Heptachlor epoxide	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/30/2018 10:32:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/30/2018 10:32:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	EST-MSRPD
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/24/2018 12:16:00 PM	Methoxychlor	n/a	<	0.054	µg/L	EPA 608	0.054	0.2	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/30/2018 10:32:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/24/2018 12:22:00 AM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/24/2018 12:22:00 AM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/30/2018 10:32:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/24/2018 12:22:00 AM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/30/2018 10:32:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/13/2018 7:54:00 AM	Pentachlorophenol	n/a	DNQ	0.13	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/26/2018 1:03:00 AM	Pentachlorophenol	n/a	DNQ	0.61	µg/L	EPA 625	0.19	1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/29/2018 8:27:00 PM	Pentachlorophenol	n/a	DNQ	0.57	µg/L	EPA 8270C	0.15	1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/30/2018 10:32:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/13/2018 7:54:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/24/2018 12:22:00 AM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	EST-LCSRPD
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/24/2018 12:22:00 AM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/30/2018 10:32:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	EST-MSRPD
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/24/2018 12:22:00 AM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/30/2018 10:32:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/24/2018 12:22:00 AM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/24/2018 12:22:00 AM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/30/2018 10:32:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/24/2018 12:16:00 PM	Toxaphene	n/a	<	1.2	µg/L	EPA 608	1.2	5	WKL	
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/30/2018 10:32:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	EST-MSRPD
MO-FIL	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/24/2018 12:22:00 AM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 3:50:00 AM	3/3/2018 7:00:00 AM	E. Coli	n/a	=	9080	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-FIL	2017/18-2	Wet	3/2/2018 3:50:00 AM	3/5/2018 12:15:00 PM	Fecal Coliform	n/a	=	22000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-FIL	2017/18-2	Wet	3/2/2018 3:50:00 AM	3/3/2018 7:00:00 AM	Total Coliform	n/a	=	85700	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-FIL	2017/18-2	Wet	3/2/2018 3:50:00 AM	3/2/2018 3:50:00 AM	Conductivity	n/a	=	339.4	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-FIL	2017/18-2	Wet	3/2/2018 3:50:00 AM	3/9/2018 4:06:00 PM	Cyanide	Total	=	0.035	mg/L	ASTM D7511	0.0048	0.02	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 3:50:00 AM	3/2/2018 3:50:00 AM	DO	n/a	=	8.48	mg/L	Field Meter	-88	0.3	Field Crew	
MO-FIL	2017/18-2	Wet	3/2/2018 3:50:00 AM	3/2/2018 3:50:00 AM	DO	n/a	=	81	%	Field Meter	-88	0.1	Field Crew	
MO-FIL	2017/18-2	Wet	3/2/2018 3:50:00 AM	3/2/2018 3:50:00 AM	pH	n/a	=	7.85	pH Units	Field Meter	-88	0.01	Field Crew	
MO-FIL	2017/18-2	Wet	3/2/2018 3:50:00 AM	3/2/2018 3:50:00 AM	Salinity	n/a	=	200	mg/L	Field Meter	-88	100	Field Crew	
MO-FIL	2017/18-2	Wet	3/2/2018 3:50:00 AM	3/2/2018 3:50:00 AM	Specific Conductance	n/a	=	421.5	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-FIL	2017/18-2	Wet	3/2/2018 3:50:00 AM	3/2/2018 3:50:00 AM	Temperature	n/a	=	14.5	°C	Field Meter	-88	0.1	Field Crew	
MO-FIL	2017/18-2	Wet	3/2/2018 3:50:00 AM	3/6/2018 1:01:00 AM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 3:50:00 AM	3/13/2018 5:21:00 PM	Oil and Grease	n/a	DNQ	2	mg/L	EPA 1664A	1.3	5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 3:50:00 AM	3/6/2018 12:05:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 3:50:00 AM	3/6/2018 12:05:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/15/2018 7:00:00 PM	Chloride	n/a	=	10	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/15/2018 7:00:00 PM	Fluoride	n/a	=	0.12	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/5/2018 12:37:00 AM	Perchlorate	n/a	DNQ	2.8	µg/L	EPA 314.0	2.8	6	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/15/2018 7:00:00 PM	Sulfate	Total	=	61	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/14/2018 7:32:00 PM	Calcium	Total	=	35.7	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/14/2018 7:32:00 PM	Magnesium	Total	=	6.35	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/14/2018 7:32:00 PM	Potassium	Total	=	5.3	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/14/2018 7:32:00 PM	Sodium	Total	=	11	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/5/2018 3:47:00 PM	Alkalinity as CaCO3	n/a	=	53	mg/L	SM 2320 B	0.56	2	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/8/2018 12:25:00 PM	BOD	n/a	=	9.4	mg/L	SM 5210 B	2	2	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/9/2018 1:52:00 PM	COD	n/a	=	79	mg/L	EPA 410.4	0.73	5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/13/2018 12:33:00 PM	Dissolved Inorganic Carbon	Dissolved	=	9.1	mg/L	SM 5310 B	0.5	0.5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/9/2018 8:50:00 AM	Dissolved Organic Carbon	Dissolved	=	14	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/14/2018 7:32:00 PM	Hardness as CaCO3	Total	=	115	mg/L	EPA 200.7	0.0894	0.662	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/2/2018 7:30:00 PM	MBAS	n/a	=	0.15	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/15/2018 6:05:00 PM	Phenolics	n/a	=	0.079	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/7/2018 4:04:00 PM	Specific Conductance	n/a	=	280	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/8/2018 9:30:00 AM	Total Dissolved Solids	n/a	=	200	mg/L	SM 2540 C	4	10	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/7/2018 10:32:00 AM	Total Organic Carbon	n/a	=	15	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/8/2018 5:55:00 PM	Total Suspended Solids	n/a	=	280	mg/L	SM 2540 D	-88	5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/2/2018 8:48:00 PM	Turbidity	n/a	=	53	NTU	EPA 180.1	0.096	0.4	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/8/2018 5:55:00 PM	Volatile Suspended Solids	n/a	=	37	mg/L	EPA 160.4	3.1	5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/14/2018 7:06:00 AM	Diesel Range Organics	n/a	=	1	mg/L	EPA 8015D	0.024	0.1	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/14/2018 7:06:00 AM	Oil Range Organics	n/a	=	1.1	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/21/2018 3:28:00 PM	Aluminum	Dissolved	=	16	µg/L	EPA 200.8	1.3	5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/21/2018 3:32:00 PM	Aluminum	Total	=	3400	µg/L	EPA 200.8	1.3	5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/14/2018 9:08:00 PM	Antimony	Dissolved	=	0.66	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/14/2018 9:16:00 PM	Antimony	Total	=	1.8	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/14/2018 9:08:00 PM	Arsenic	Dissolved	=	1.2	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/14/2018 9:16:00 PM	Arsenic	Total	=	4.8	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/14/2018 9:16:00 PM	Barium	Total	=	97	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/15/2018 12:31:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/15/2018 12:34:00 PM	Beryllium	Total	=	0.18	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/14/2018 9:08:00 PM	Cadmium	Dissolved	=	0.48	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/14/2018 9:16:00 PM	Cadmium	Total	=	5.4	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/21/2018 3:28:00 PM	Chromium	Dissolved	=	1.2	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/21/2018 3:32:00 PM	Chromium	Total	=	14	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/9/2018 4:13:00 PM	Chromium VI	n/a	=	0.82	µg/L	EPA 218.6	0.024	0.1	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/14/2018 9:08:00 PM	Copper	Dissolved	=	7.1	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/14/2018 9:16:00 PM	Copper	Total	=	27	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/15/2018 12:30:00 PM	Iron	Dissolved	=	26	µg/L	EPA 200.7	1.1	10	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/14/2018 7:32:00 PM	Iron	Total	=	7000	µg/L	EPA 200.7	1.1	10	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/14/2018 9:08:00 PM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/14/2018 9:16:00 PM	Lead	Total	=	5.2	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/14/2018 2:21:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/14/2018 2:22:00 PM	Mercury	Total	DNQ	37	ng/L	EPA 245.1	17	50	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/21/2018 3:28:00 PM	Nickel	Dissolved	=	3.3	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/21/2018 3:32:00 PM	Nickel	Total	=	27	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/14/2018 9:08:00 PM	Selenium	Dissolved	=	1.1	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/14/2018 9:16:00 PM	Selenium	Total	=	2.7	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/14/2018 9:08:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/14/2018 9:16:00 PM	Silver	Total	=	0.23	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/14/2018 9:08:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/14/2018 9:16:00 PM	Thallium	Total	=	0.48	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/14/2018 9:08:00 PM	Zinc	Dissolved	=	15	µg/L	EPA 200.8	0.94	5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/14/2018 9:16:00 PM	Zinc	Total	=	130	µg/L	EPA 200.8	0.94	5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/6/2018 6:32:00 PM	Ammonia as N	n/a	=	0.46	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/5/2018 10:42:00 AM	Nitrate + Nitrite as N	n/a	=	1.1	mg/L	EPA 353.2	0.083	0.2	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/19/2018 12:27:00 PM	Phosphorus as P	Dissolved	=	0.26	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/8/2018 4:07:00 PM	Phosphorus as P	Total	=	0.74	mg/L	EPA 365.1	0.007	0.05	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/13/2018 5:46:00 PM	TKN	n/a	=	2.6	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/13/2018 3:04:00 AM	1,2,4-Trichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/13/2018 3:04:00 AM	1,2-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/13/2018 3:04:00 AM	1,2-Diphenylhydrazine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/13/2018 3:04:00 AM	1,3-Dichlorobenzene	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/13/2018 3:04:00 AM	1,4-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/20/2018 4:19:00 AM	1-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/26/2018 1:55:00 PM	2,4,5-Trichlorophenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/13/2018 3:04:00 AM	2,4,6-Trichlorophenol	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/26/2018 1:55:00 PM	2,4,6-Trichlorophenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/13/2018 3:04:00 AM	2,4-Dichlorophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/26/2018 1:55:00 PM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 8270C	2.6	5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/13/2018 3:04:00 AM	2,4-Dimethylphenol	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/26/2018 1:55:00 PM	2,4-Dimethylphenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	LCSRPD, LB-L
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/13/2018 3:04:00 AM	2,4-Dinitrophenol	n/a	<	7.9	µg/L	EPA 625	7.9	50	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/26/2018 1:55:00 PM	2,4-Dinitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/13/2018 3:04:00 AM	2,4-Dinitrotoluene	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/13/2018 3:04:00 AM	2,6-Dinitrotoluene	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/13/2018 3:04:00 AM	2-Chloronaphthalene	n/a	<	2.2	µg/L	EPA 625	2.2	5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/26/2018 1:55:00 PM	2-Chlorophenol	n/a	<	3.2	µg/L	EPA 8270C	3.2	5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/13/2018 3:04:00 AM	2-Chlorophenol	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/20/2018 4:19:00 AM	2-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/26/2018 1:55:00 PM	2-Methylphenol	n/a	<	1.7	µg/L	EPA 8270C	1.7	5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/26/2018 1:55:00 PM	2-Nitrophenol	n/a	<	3.6	µg/L	EPA 8270C	3.6	5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/13/2018 3:04:00 AM	2-Nitrophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/13/2018 3:04:00 AM	3,3'-Dichlorobenzidine	n/a	<	6	µg/L	EPA 625	6	25	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/26/2018 1:55:00 PM	3-/4-Methylphenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/26/2018 1:55:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.7	µg/L	EPA 8270C	0.7	5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/13/2018 3:04:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	8.6	µg/L	EPA 625	8.6	25	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/13/2018 3:04:00 AM	4-Bromophenyl phenyl ether	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/13/2018 3:04:00 AM	4-Chloro-3-methylphenol	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/26/2018 1:55:00 PM	4-Chloro-3-methylphenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/13/2018 3:04:00 AM	4-Chlorophenyl phenyl ether	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/26/2018 1:55:00 PM	4-Nitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/13/2018 3:04:00 AM	4-Nitrophenol	n/a	<	2.2	µg/L	EPA 625	2.2	25	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/13/2018 3:04:00 AM	Acenaphthene	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/20/2018 4:19:00 AM	Acenaphthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/13/2018 3:04:00 AM	Acenaphthylene	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/20/2018 4:19:00 AM	Acenaphthylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/13/2018 3:04:00 AM	Anthracene	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/20/2018 4:19:00 AM	Anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/20/2018 4:19:00 AM	Benz(a)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/13/2018 3:04:00 AM	Benz(a)anthracene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/13/2018 3:04:00 AM	Benzidine	n/a	<	18	µg/L	EPA 625	18	50	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/20/2018 4:19:00 AM	Benzo(a)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/13/2018 3:04:00 AM	Benzo(a)pyrene	n/a	<	0.65	µg/L	EPA 625	0.65	5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/19/2018 11:41:00 PM	Benzo(a)pyrene	n/a	<	0.35	µg/L	EPA 525.2	0.35	0.5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/20/2018 4:19:00 AM	Benzo(b)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/13/2018 3:04:00 AM	Benzo(b)fluoranthene	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/13/2018 3:04:00 AM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 625	0.5	10	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/20/2018 4:19:00 AM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/13/2018 3:04:00 AM	Benzo(k)fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/20/2018 4:19:00 AM	Benzo(k)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/13/2018 3:04:00 AM	Bis(2-chloroethoxy)methane	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/13/2018 3:04:00 AM	Bis(2-chloroethyl)ether	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/13/2018 3:04:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/19/2018 11:41:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.52	µg/L	EPA 525.2	0.52	25	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/13/2018 3:04:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	12	µg/L	EPA 625	12	25	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/19/2018 11:41:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	5.3	µg/L	EPA 525.2	5.3	15	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/13/2018 3:04:00 AM	Butyl benzyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/13/2018 3:04:00 AM	Chrysene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/20/2018 4:19:00 AM	Chrysene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/20/2018 4:19:00 AM	Dibenz(a,h)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/13/2018 3:04:00 AM	Dibenz(a,h)anthracene	n/a	<	0.4	µg/L	EPA 625	0.4	10	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/13/2018 3:04:00 AM	Diethyl phthalate	n/a	<	0.75	µg/L	EPA 625	0.75	5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/13/2018 3:04:00 AM	Dimethyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/13/2018 3:04:00 AM	Di-n-butylphthalate	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/13/2018 3:04:00 AM	Di-n-octylphthalate	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/13/2018 3:04:00 AM	Fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/20/2018 4:19:00 AM	Fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/13/2018 3:04:00 AM	Fluorene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/20/2018 4:19:00 AM	Fluorene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/13/2018 3:04:00 AM	Hexachlorobenzene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/13/2018 3:04:00 AM	Hexachlorobutadiene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/13/2018 3:04:00 AM	Hexachlorocyclopentadiene	n/a	<	7.3	µg/L	EPA 625	7.3	25	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/13/2018 3:04:00 AM	Hexachloroethane	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/20/2018 4:19:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/13/2018 3:04:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.6	µg/L	EPA 625	0.6	10	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/13/2018 3:04:00 AM	Isophorone	n/a	<	1	µg/L	EPA 625	1	5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/13/2018 3:04:00 AM	Naphthalene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/20/2018 4:19:00 AM	Naphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/13/2018 3:04:00 AM	Nitrobenzene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/13/2018 3:04:00 AM	N-Nitrosodimethylamine	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/13/2018 3:04:00 AM	N-Nitrosodi-N-propylamine	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/13/2018 3:04:00 AM	N-Nitrosodiphenylamine	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/13/2018 3:04:00 AM	Phenanthrene	n/a	<	1.6	µg/L	EPA 625	1.6	5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/20/2018 4:19:00 AM	Phenanthrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/13/2018 3:04:00 AM	Phenol	n/a	<	0.8	µg/L	EPA 625	0.8	5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/26/2018 1:55:00 PM	Phenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/13/2018 3:04:00 AM	Pyrene	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/20/2018 4:19:00 AM	Pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/20/2018 12:16:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/20/2018 12:16:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/20/2018 12:16:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/20/2018 12:16:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/20/2018 12:16:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/20/2018 12:16:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/20/2018 12:16:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/13/2018 9:05:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/13/2018 9:05:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/13/2018 9:05:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/13/2018 9:05:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/13/2018 9:05:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/20/2018 12:16:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/20/2018 12:16:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/20/2018 12:16:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/13/2018 9:05:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/19/2018 11:41:00 PM	Alachlor	n/a	<	0.11	µg/L	EPA 525.2	0.11	0.5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/20/2018 12:16:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/20/2018 12:16:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/20/2018 12:16:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/19/2018 11:41:00 PM	Atrazine	n/a	<	0.17	µg/L	EPA 525.2	0.17	0.5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/15/2018 2:06:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/13/2018 9:05:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/20/2018 12:16:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/15/2018 2:06:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/19/2018 11:41:00 PM	Bromacil	n/a	<	0.19	µg/L	EPA 525.2	0.19	5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/19/2018 11:41:00 PM	Butachlor	n/a	<	0.085	µg/L	EPA 525.2	0.085	1	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/19/2018 11:41:00 PM	Captan	n/a	<	4.3	µg/L	EPA 525.2	4.3	5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/20/2018 12:16:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/19/2018 11:41:00 PM	Chlorpropham	n/a	<	0.05	µg/L	EPA 525.2	0.05	0.5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/15/2018 2:06:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/15/2018 2:06:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/19/2018 11:41:00 PM	Cyanazine	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/13/2018 9:05:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/13/2018 9:05:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/20/2018 12:16:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/15/2018 2:06:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/15/2018 2:06:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/15/2018 2:06:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/19/2018 11:41:00 PM	Diazinon	n/a	<	0.48	µg/L	EPA 525.2	0.48	0.5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/13/2018 9:05:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/13/2018 9:05:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/15/2018 2:06:00 PM	Dichlorvos	n/a	DNQ	0.0068	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/20/2018 12:16:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/15/2018 2:06:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/21/2018 2:51:00 AM	Dimethoate	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/13/2018 9:05:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/19/2018 11:41:00 PM	Diphenamid	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/15/2018 2:06:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/19/2018 11:41:00 PM	Disulfoton	n/a	<	0.16	µg/L	EPA 525.2	0.16	0.5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/20/2018 12:16:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/20/2018 12:16:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/20/2018 12:16:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/20/2018 12:16:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/20/2018 12:16:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/19/2018 11:41:00 PM	EPTC	n/a	<	0.085	µg/L	EPA 525.2	0.085	5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/15/2018 2:06:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/15/2018 2:06:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/15/2018 2:06:00 PM	Fensulfthion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/15/2018 2:06:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/20/2018 12:16:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/20/2018 12:16:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/9/2018 5:47:00 PM	Glyphosate	n/a	=	21	µg/L	EPA 547	1.8	5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/20/2018 12:16:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/20/2018 12:16:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/15/2018 2:06:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/15/2018 2:06:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/20/2018 12:16:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/15/2018 2:06:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/19/2018 11:41:00 PM	Metolachlor	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/19/2018 11:41:00 PM	Metribuzin	n/a	<	0.075	µg/L	EPA 525.2	0.075	0.5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/15/2018 2:06:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/19/2018 11:41:00 PM	Molinate	n/a	<	0.2	µg/L	EPA 525.2	0.2	0.5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/15/2018 2:06:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/26/2018 1:55:00 PM	Pentachlorophenol	n/a	<	0.75	µg/L	EPA 8270C	0.75	5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/13/2018 9:05:00 AM	Pentachlorophenol	n/a	DNQ	0.077	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/13/2018 3:04:00 AM	Pentachlorophenol	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/15/2018 2:06:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/13/2018 9:05:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/19/2018 11:41:00 PM	Prometon	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/19/2018 11:41:00 PM	Prometryn	n/a	<	0.18	µg/L	EPA 525.2	0.18	0.5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/15/2018 2:06:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/19/2018 11:41:00 PM	Simazine	n/a	=	5	µg/L	EPA 525.2	0.075	0.5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/15/2018 2:06:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/19/2018 11:41:00 PM	Terbacil	n/a	<	2.8	µg/L	EPA 525.2	2.8	10	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/21/2018 2:51:00 AM	Thiobencarb	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/15/2018 2:06:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/20/2018 12:16:00 AM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/15/2018 2:06:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-FIL	2017/18-2	Wet	3/2/2018 11:10:00 AM	3/19/2018 11:41:00 PM	Trithion	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.5	WKL	
MO-FIL	2017/18-3	Wet	3/10/2018 4:00:00 PM	3/13/2018 9:00:00 PM	Fecal Coliform	n/a	=	24000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-FIL	2017/18-3	Wet	3/10/2018 4:00:00 PM	3/11/2018 11:34:00 PM	Total Coliform	n/a	=	241960	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-FIL	2017/18-3	Wet	3/10/2018 4:00:00 PM	3/10/2018 4:00:00 PM	Conductivity	n/a	=	150.5	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-FIL	2017/18-3	Wet	3/10/2018 4:00:00 PM	3/19/2018 4:29:00 PM	Cyanide	Total	DNQ	0.0018	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-FIL	2017/18-3	Wet	3/10/2018 4:00:00 PM	3/10/2018 4:00:00 PM	DO	n/a	=	91.3	%	Field Meter	-88	0.1	Field Crew	
MO-FIL	2017/18-3	Wet	3/10/2018 4:00:00 PM	3/10/2018 4:00:00 PM	DO	n/a	=	8.74	mg/L	Field Meter	-88	0.3	Field Crew	
MO-FIL	2017/18-3	Wet	3/10/2018 4:00:00 PM	3/10/2018 4:00:00 PM	pH	n/a	=	7.71	pH Units	Field Meter	-88	0.01	Field Crew	
MO-FIL	2017/18-3	Wet	3/10/2018 4:00:00 PM	3/10/2018 4:00:00 PM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	
MO-FIL	2017/18-3	Wet	3/10/2018 4:00:00 PM	3/10/2018 4:00:00 PM	Specific Conductance	n/a	=	174.4	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-FIL	2017/18-3	Wet	3/10/2018 4:00:00 PM	3/10/2018 4:00:00 PM	Temperature	n/a	=	17.4	°C	Field Meter	-88	0.1	Field Crew	
MO-FIL	2017/18-3	Wet	3/10/2018 4:00:00 PM	3/14/2018 9:11:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
MO-FIL	2017/18-3	Wet	3/10/2018 4:00:00 PM	3/27/2018 6:07:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-FIL	2017/18-3	Wet	3/10/2018 4:00:00 PM	3/13/2018 7:40:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2017/18-3	Wet	3/10/2018 4:00:00 PM	3/13/2018 7:40:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/21/2018 2:00:00 PM	Chloride	n/a	=	13	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/21/2018 2:00:00 PM	Fluoride	n/a	=	0.12	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/12/2018 6:37:00 PM	Perchlorate	n/a	DNQ	1.6	µg/L	EPA 314.0	0.95	2	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/21/2018 2:00:00 PM	Sulfate	Total	=	65	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/26/2018 7:23:00 PM	Calcium	Total	=	29.7	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/26/2018 7:23:00 PM	Magnesium	Total	=	6.26	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/26/2018 7:23:00 PM	Potassium	Total	=	3.5	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/26/2018 7:23:00 PM	Sodium	Total	=	13	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/12/2018 1:51:00 PM	Alkalinity as CaCO3	n/a	=	53	mg/L	SM 2320 B	0.56	2	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/17/2018 7:25:00 PM	BOD	n/a	=	8.5	mg/L	SM 5210 B	2	2	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/19/2018 7:36:00 PM	COD	n/a	=	28	mg/L	EPA 410.4	0.73	5	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/15/2018 1:47:00 PM	Dissolved Inorganic Carbon	Dissolved	=	11	mg/L	SM 5310 B	0.5	0.5	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/19/2018 8:44:00 AM	Dissolved Organic Carbon	Dissolved	=	9	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/26/2018 7:23:00 PM	Hardness as CaCO3	Total	=	100	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/12/2018 4:40:00 PM	MBAS	n/a	=	0.21	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/27/2018 4:02:00 PM	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/14/2018 5:40:00 PM	Specific Conductance	n/a	=	290	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/15/2018 5:49:00 PM	Total Dissolved Solids	n/a	=	160	mg/L	SM 2540 C	4	10	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 10:17:00 AM	Total Organic Carbon	n/a	=	8.2	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/14/2018 1:40:00 PM	Total Suspended Solids	n/a	=	40	mg/L	SM 2540 D	-88	5	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/12/2018 11:32:00 AM	Turbidity	n/a	=	15	NTU	EPA 180.1	0.024	0.1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/14/2018 1:40:00 PM	Volatile Suspended Solids	n/a	=	12	mg/L	EPA 160.4	3.1	5	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/19/2018 11:33:00 PM	Diesel Range Organics	n/a	=	0.37	mg/L	EPA 8015D	0.024	0.1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/19/2018 11:33:00 PM	Oil Range Organics	n/a	DNQ	0.49	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	4/2/2018 9:30:00 PM	Aluminum	Dissolved	=	16	µg/L	EPA 200.8	1.3	5	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	4/2/2018 9:34:00 PM	Aluminum	Total	=	600	µg/L	EPA 200.8	1.3	5	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/31/2018 1:06:00 AM	Antimony	Dissolved	=	0.65	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/31/2018 1:14:00 AM	Antimony	Total	=	0.82	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/31/2018 1:06:00 AM	Arsenic	Dissolved	=	1	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/31/2018 1:14:00 AM	Arsenic	Total	=	1.4	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/31/2018 1:14:00 AM	Barium	Total	=	24	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/31/2018 1:06:00 AM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/31/2018 1:14:00 AM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/31/2018 1:06:00 AM	Cadmium	Dissolved	=	0.18	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/31/2018 1:14:00 AM	Cadmium	Total	=	0.38	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/31/2018 1:06:00 AM	Chromium	Dissolved	=	0.85	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/31/2018 1:14:00 AM	Chromium	Total	=	2.5	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/15/2018 7:00:00 PM	Chromium VI	n/a	=	0.74	µg/L	EPA 218.6	0.024	0.1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/31/2018 1:06:00 AM	Copper	Dissolved	=	5.6	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/31/2018 1:14:00 AM	Copper	Total	=	8.5	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/26/2018 6:45:00 PM	Iron	Dissolved	=	13	µg/L	EPA 200.7	1.1	10	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/26/2018 7:23:00 PM	Iron	Total	=	880	µg/L	EPA 200.7	1.1	10	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/31/2018 1:06:00 AM	Lead	Dissolved	DNQ	0.04	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/31/2018 1:14:00 AM	Lead	Total	=	1.3	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/23/2018 4:04:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/23/2018 4:06:00 PM	Mercury	Total	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/31/2018 1:06:00 AM	Nickel	Dissolved	=	1.9	µg/L	EPA 200.8	0.045	0.8	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/31/2018 1:14:00 AM	Nickel	Total	=	3.7	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	4/2/2018 9:30:00 PM	Selenium	Dissolved	=	1.1	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	4/2/2018 9:34:00 PM	Selenium	Total	=	1.2	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/31/2018 1:06:00 AM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/31/2018 1:14:00 AM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/31/2018 1:06:00 AM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/31/2018 1:14:00 AM	Thallium	Total	DNQ	0.03	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/31/2018 1:06:00 AM	Zinc	Dissolved	=	16	µg/L	EPA 200.8	0.94	5	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/31/2018 1:14:00 AM	Zinc	Total	=	34	µg/L	EPA 200.8	0.94	5	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/21/2018 8:47:00 PM	Ammonia as N	n/a	=	0.25	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/25/2018 10:19:00 AM	Nitrate + Nitrite as N	n/a	=	1.8	mg/L	EPA 353.2	0.083	0.2	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/27/2018 5:51:00 PM	Phosphorus as P	Dissolved	=	0.2	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 11:38:00 AM	Phosphorus as P	Total	=	0.29	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/23/2018 3:23:00 PM	TKN	n/a	=	1	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 4:36:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 4:36:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 4:36:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 4:36:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 4:36:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/27/2018 5:51:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/23/2018 6:53:00 AM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 4:36:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/23/2018 6:53:00 AM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 4:36:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	EST-LCSRPD
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/23/2018 6:53:00 AM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 4:36:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/23/2018 6:53:00 AM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 4:36:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/23/2018 6:53:00 AM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	EST-LCSRPD
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 4:36:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 4:36:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 4:36:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 4:36:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/23/2018 6:53:00 AM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/27/2018 5:51:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/23/2018 6:53:00 AM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 4:36:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/23/2018 6:53:00 AM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 4:36:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/23/2018 6:53:00 AM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 4:36:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/23/2018 6:53:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	EST-LCSRPD
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 4:36:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 4:36:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/23/2018 6:53:00 AM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 4:36:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/23/2018 6:53:00 AM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	EST-LCSRPD
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 4:36:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 4:36:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/27/2018 5:51:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 4:36:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/27/2018 5:51:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 4:36:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/27/2018 5:51:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/27/2018 5:51:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 4:36:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 4:36:00 AM	Benidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 4:36:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/27/2018 5:51:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 4:46:00 PM	Benzo(a)pyrene	n/a	<	0.35	µg/L	EPA 525.2	0.35	0.5	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 4:36:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/27/2018 5:51:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 4:36:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/27/2018 5:51:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/27/2018 5:51:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 4:36:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 4:36:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 4:36:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 4:36:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 4:46:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.52	µg/L	EPA 525.2	0.52	25	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 4:46:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	5.3	µg/L	EPA 525.2	5.3	15	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 4:36:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 4:36:00 AM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 4:36:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/27/2018 5:51:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 4:36:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/27/2018 5:51:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 4:36:00 AM	Diethyl phthalate	n/a	DNQ	0.25	µg/L	EPA 625	0.15	1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 4:36:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 4:36:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 4:36:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 4:36:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/27/2018 5:51:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 4:36:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/27/2018 5:51:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 4:36:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 4:36:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 4:36:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 4:36:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 4:36:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/27/2018 5:51:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 4:36:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 4:36:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/27/2018 5:51:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 4:36:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 4:36:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 4:36:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 4:36:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 4:36:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/27/2018 5:51:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 4:36:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/23/2018 6:53:00 AM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 4:36:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/27/2018 5:51:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/24/2018 9:53:00 PM	PCB Aroclor 1016	n/a	<	0.1	µg/L	EPA 608	0.1	1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/24/2018 9:53:00 PM	PCB Aroclor 1221	n/a	<	0.12	µg/L	EPA 608	0.12	1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/24/2018 9:53:00 PM	PCB Aroclor 1232	n/a	<	0.3	µg/L	EPA 608	0.3	1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/24/2018 9:53:00 PM	PCB Aroclor 1242	n/a	<	0.14	µg/L	EPA 608	0.14	1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/24/2018 9:53:00 PM	PCB Aroclor 1248	n/a	<	0.12	µg/L	EPA 608	0.12	1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/24/2018 9:53:00 PM	PCB Aroclor 1254	n/a	<	0.08	µg/L	EPA 608	0.08	1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/24/2018 9:53:00 PM	PCB Aroclor 1260	n/a	<	0.08	µg/L	EPA 608	0.08	1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/17/2018 5:39:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/17/2018 5:39:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/17/2018 5:39:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/17/2018 5:39:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/17/2018 5:39:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/24/2018 9:53:00 PM	4,4'-DDD	n/a	<	0.006	µg/L	EPA 608	0.006	0.1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/24/2018 9:53:00 PM	4,4'-DDE	n/a	<	0.005	µg/L	EPA 608	0.005	0.1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/24/2018 9:53:00 PM	4,4'-DDT	n/a	<	0.0062	µg/L	EPA 608	0.0062	0.02	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/17/2018 5:39:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 4:46:00 PM	Alachlor	n/a	<	0.11	µg/L	EPA 525.2	0.11	0.5	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/24/2018 9:53:00 PM	Aldrin	n/a	<	0.003	µg/L	EPA 608	0.003	0.01	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/24/2018 9:53:00 PM	alpha-BHC	n/a	<	0.0036	µg/L	EPA 608	0.0036	0.02	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/24/2018 9:53:00 PM	alpha-Chlordane	n/a	<	0.0082	µg/L	EPA 608	0.0082	0.02	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 4:46:00 PM	Atrazine	n/a	<	0.17	µg/L	EPA 525.2	0.17	0.5	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/19/2018 4:33:00 PM	Azinphos methyl	n/a	<	0.028	µg/L	EPA 525.2m	0.028	0.05	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/17/2018 5:39:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/24/2018 9:53:00 PM	beta-BHC	n/a	<	0.0062	µg/L	EPA 608	0.0062	0.01	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/19/2018 4:33:00 PM	Bolstar	n/a	<	0.023	µg/L	EPA 525.2m	0.023	0.05	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 4:46:00 PM	Bromacil	n/a	<	0.19	µg/L	EPA 525.2	0.19	5	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 4:46:00 PM	Butachlor	n/a	<	0.085	µg/L	EPA 525.2	0.085	1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 4:46:00 PM	Captan	n/a	<	4.3	µg/L	EPA 525.2	4.3	5	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/24/2018 9:53:00 PM	Chlordane (technical)	n/a	<	0.16	µg/L	EPA 608	0.16	0.2	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 4:46:00 PM	Chlorpropham	n/a	<	0.05	µg/L	EPA 525.2	0.05	0.5	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/19/2018 4:33:00 PM	Chlorpyrifos	n/a	<	0.034	µg/L	EPA 525.2m	0.034	0.05	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/19/2018 4:33:00 PM	Coumaphos	n/a	<	0.026	µg/L	EPA 525.2m	0.026	0.05	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 4:46:00 PM	Cyanazine	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/17/2018 5:39:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/17/2018 5:39:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/24/2018 9:53:00 PM	delta-BHC	n/a	<	0.005	µg/L	EPA 608	0.005	0.01	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/19/2018 4:33:00 PM	Demeton-O	n/a	<	0.05	µg/L	EPA 525.2m	0.05	0.05	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/19/2018 4:33:00 PM	Demeton-S	n/a	<	0.05	µg/L	EPA 525.2m	0.05	0.05	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 4:46:00 PM	Diazinon	n/a	<	0.48	µg/L	EPA 525.2	0.48	0.5	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/19/2018 4:33:00 PM	Diazinon	n/a	<	0.026	µg/L	EPA 525.2m	0.026	0.05	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/17/2018 5:39:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/17/2018 5:39:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/19/2018 4:33:00 PM	Dichlorvos	n/a	<	0.014	µg/L	EPA 525.2m	0.014	0.05	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/24/2018 9:53:00 PM	Dieldrin	n/a	<	0.0042	µg/L	EPA 608	0.0042	0.02	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 4:46:00 PM	Dimethoate	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/19/2018 4:33:00 PM	Dimethoate	n/a	<	0.031	µg/L	EPA 525.2m	0.031	0.05	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/17/2018 5:39:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 4:46:00 PM	Diphenamid	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 4:46:00 PM	Disulfoton	n/a	<	0.16	µg/L	EPA 525.2	0.16	0.5	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/19/2018 4:33:00 PM	Disulfoton	n/a	<	0.05	µg/L	EPA 525.2m	0.05	0.05	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/24/2018 9:53:00 PM	Endosulfan I	n/a	<	0.0034	µg/L	EPA 608	0.0034	0.04	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/24/2018 9:53:00 PM	Endosulfan II	n/a	<	0.0038	µg/L	EPA 608	0.0038	0.02	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/24/2018 9:53:00 PM	Endosulfan sulfate	n/a	<	0.016	µg/L	EPA 608	0.016	0.1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/24/2018 9:53:00 PM	Endrin	n/a	<	0.0056	µg/L	EPA 608	0.0056	0.02	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/24/2018 9:53:00 PM	Endrin aldehyde	n/a	<	0.006	µg/L	EPA 608	0.006	0.02	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 4:46:00 PM	EPTC	n/a	<	0.085	µg/L	EPA 525.2	0.085	5	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/19/2018 4:33:00 PM	Ethoprop	n/a	<	0.034	µg/L	EPA 525.2m	0.034	0.05	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/19/2018 4:33:00 PM	Ethyl parathion	n/a	<	0.027	µg/L	EPA 525.2m	0.027	0.05	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/19/2018 4:33:00 PM	Fensulfthion	n/a	<	0.014	µg/L	EPA 525.2m	0.014	0.05	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/19/2018 4:33:00 PM	Fenthion	n/a	<	0.019	µg/L	EPA 525.2m	0.019	0.05	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/24/2018 9:53:00 PM	gamma-BHC (Lindane)	n/a	<	0.0042	µg/L	EPA 608	0.0042	0.04	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/24/2018 9:53:00 PM	gamma-Chlordane	n/a	<	0.0088	µg/L	EPA 608	0.0088	0.02	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 11:06:00 PM	Glyphosate	n/a	=	14	µg/L	EPA 547	1.8	5	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/24/2018 9:53:00 PM	Heptachlor	n/a	<	0.0034	µg/L	EPA 608	0.0034	0.02	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/24/2018 9:53:00 PM	Heptachlor epoxide	n/a	<	0.0038	µg/L	EPA 608	0.0038	0.02	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/19/2018 4:33:00 PM	Malathion	n/a	=	0.095	µg/L	EPA 525.2m	0.038	0.05	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/19/2018 4:33:00 PM	Merphos	n/a	<	0.029	µg/L	EPA 525.2m	0.029	0.05	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/24/2018 9:53:00 PM	Methoxychlor	n/a	<	0.011	µg/L	EPA 608	0.011	0.04	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/19/2018 4:33:00 PM	Methyl parathion	n/a	<	0.032	µg/L	EPA 525.2m	0.032	0.05	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 4:46:00 PM	Metolachlor	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.5	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 4:46:00 PM	Metribuzin	n/a	<	0.075	µg/L	EPA 525.2	0.075	0.5	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/19/2018 4:33:00 PM	Mevinphos	n/a	<	0.021	µg/L	EPA 525.2m	0.021	0.05	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 4:46:00 PM	Molinate	n/a	<	0.2	µg/L	EPA 525.2	0.2	0.5	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/19/2018 4:33:00 PM	Naled	n/a	<	0.038	µg/L	EPA 525.2m	0.038	0.05	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/17/2018 5:39:00 AM	Pentachlorophenol	n/a	DNQ	0.055	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 4:36:00 AM	Pentachlorophenol	n/a	DNQ	0.83	µg/L	EPA 625	0.19	1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/23/2018 6:53:00 AM	Pentachlorophenol	n/a	DNQ	0.48	µg/L	EPA 8270C	0.15	1	WKL	EST-LCSRPD
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/19/2018 4:33:00 PM	Phorate	n/a	<	0.015	µg/L	EPA 525.2m	0.015	0.05	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/17/2018 5:39:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 4:46:00 PM	Prometon	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	EST-LCSRPD
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 4:46:00 PM	Prometryn	n/a	<	0.18	µg/L	EPA 525.2	0.18	0.5	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/19/2018 4:33:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.02	µg/L	EPA 525.2m	0.02	0.05	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 4:46:00 PM	Simazine	n/a	=	4.7	µg/L	EPA 525.2	0.075	0.5	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/19/2018 4:33:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.016	µg/L	EPA 525.2m	0.016	0.05	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 4:46:00 PM	Terbacil	n/a	<	2.8	µg/L	EPA 525.2	2.8	10	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 4:46:00 PM	Thiobencarb	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/19/2018 4:33:00 PM	Tokuthion	n/a	<	0.039	µg/L	EPA 525.2m	0.039	0.05	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/24/2018 9:53:00 PM	Toxaphene	n/a	<	0.24	µg/L	EPA 608	0.24	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/19/2018 4:33:00 PM	Trichloronate	n/a	<	0.034	µg/L	EPA 525.2m	0.034	0.05	WKL	
MO-FIL	2017/18-3	Wet	3/11/2018 8:50:00 AM	3/22/2018 4:46:00 PM	Trithion	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.5	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/16/2018 7:30:00 AM	Chloride	n/a	=	87	mg/L	EPA 300.0	1	5	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/16/2018 7:30:00 AM	Fluoride	n/a	=	0.93	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/21/2018 3:39:00 PM	Perchlorate	n/a	<	1.9	µg/L	EPA 314.0	1.9	4	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/16/2018 7:30:00 AM	Sulfate	Total	=	410	mg/L	EPA 300.0	1	5	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/7/2018 6:00:00 AM	E. Coli	n/a	=	336	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/7/2018 6:00:00 AM	Total Coliform	n/a	=	104620	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/15/2018 3:53:00 PM	Calcium	Total	=	177	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/15/2018 3:53:00 PM	Magnesium	Total	=	50.9	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/15/2018 3:53:00 PM	Potassium	Total	=	8.7	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/15/2018 3:53:00 PM	Sodium	Total	=	110	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/8/2018 2:33:00 PM	Alkalinity as CaCO3	n/a	=	220	mg/L	SM 2320 B	0.56	2	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/12/2018 8:31:00 PM	BOD	n/a	<	2	mg/L	SM 5210 B	2	2	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/12/2018 7:40:00 PM	COD	n/a	=	16	mg/L	EPA 410.4	0.73	5	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/6/2018 7:45:00 AM	Conductivity	n/a	=	1359	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/7/2018 6:23:00 PM	Cyanide	Total	DNQ	0.0012	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/12/2018 11:30:00 AM	Dissolved Inorganic Carbon	Dissolved	=	51	mg/L	SM 5310 B	0.5	0.5	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/19/2018 2:47:00 PM	Dissolved Organic Carbon	Dissolved	=	4.8	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/6/2018 7:45:00 AM	DO	n/a	=	48.3	%	Field Meter	-88	0.1	Field Crew	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/6/2018 7:45:00 AM	DO	n/a	=	4.64	mg/L	Field Meter	-88	0.3	Field Crew	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/15/2018 3:53:00 PM	Hardness as CaCO3	Total	=	651	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/7/2018 11:04:00 PM	MBAS	n/a	DNQ	0.045	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/6/2018 7:45:00 AM	pH	n/a	=	7.03	pH Units	Field Meter	-88	0.01	Field Crew	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/18/2018 2:22:00 PM	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/6/2018 7:45:00 AM	Salinity	n/a	=	800	mg/L	Field Meter	-88	100	Field Crew	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/6/2018 7:45:00 AM	Specific Conductance	n/a	=	1582	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/12/2018 1:34:00 PM	Specific Conductance	n/a	=	1700	µmhos/cm	SM 2510 B	0.47	4	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/6/2018 7:45:00 AM	Temperature	n/a	=	17.4	°C	Field Meter	-88	0.1	Field Crew	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/11/2018 5:30:00 PM	Total Dissolved Solids	n/a	=	1100	mg/L	SM 2540 C	4	10	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/14/2018 2:30:00 PM	Total Organic Carbon	n/a	=	5	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/11/2018 7:01:00 PM	Total Suspended Solids	n/a	=	6	mg/L	SM 2540 D	-88	5	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/7/2018 10:03:00 PM	Turbidity	n/a	=	0.72	NTU	EPA 180.1	0.024	0.1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/11/2018 7:01:00 PM	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/8/2018 9:14:00 PM	Diesel Range Organics	n/a	DNQ	0.06	mg/L	EPA 8015D	0.024	0.1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/11/2018 11:05:00 PM	Gasoline Range Organics	n/a	<	0.012	mg/L	LUFT GC/MS	0.012	0.1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/8/2018 3:47:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/8/2018 9:14:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/18/2018 3:51:00 PM	Aluminum	Dissolved	DNQ	3.3	µg/L	EPA 200.8	1.3	5	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/18/2018 3:54:00 PM	Aluminum	Total	=	14	µg/L	EPA 200.8	1.3	5	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/16/2018 6:41:00 PM	Antimony	Dissolved	=	0.59	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/16/2018 6:49:00 PM	Antimony	Total	=	0.58	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/16/2018 6:41:00 PM	Arsenic	Dissolved	=	1.5	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/16/2018 6:49:00 PM	Arsenic	Total	=	1.4	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/16/2018 6:49:00 PM	Barium	Total	=	41	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/16/2018 6:41:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/16/2018 6:49:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/16/2018 6:41:00 PM	Cadmium	Dissolved	=	0.26	µg/L	EPA 200.8	0.041	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/16/2018 6:49:00 PM	Cadmium	Total	=	0.25	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/18/2018 3:51:00 PM	Chromium	Dissolved	=	0.26	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/18/2018 3:54:00 PM	Chromium	Total	=	0.27	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/14/2018 2:23:00 PM	Chromium VI	n/a	=	0.24	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/16/2018 6:41:00 PM	Copper	Dissolved	=	13	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/16/2018 6:49:00 PM	Copper	Total	=	15	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/15/2018 3:44:00 PM	Iron	Dissolved	DNQ	6	µg/L	EPA 200.7	1.1	10	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/15/2018 3:53:00 PM	Iron	Total	=	31	µg/L	EPA 200.7	1.1	10	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/16/2018 6:41:00 PM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/16/2018 6:49:00 PM	Lead	Total	DNQ	0.061	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/14/2018 12:27:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/14/2018 12:29:00 PM	Mercury	Total	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/16/2018 6:41:00 PM	Nickel	Dissolved	=	6	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/16/2018 6:49:00 PM	Nickel	Total	=	6	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/16/2018 6:41:00 PM	Selenium	Dissolved	=	5.2	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/16/2018 6:49:00 PM	Selenium	Total	=	5	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/16/2018 6:41:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/16/2018 6:49:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/16/2018 6:41:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/16/2018 6:49:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/16/2018 6:41:00 PM	Zinc	Dissolved	=	7.4	µg/L	EPA 200.8	0.94	5	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/16/2018 6:49:00 PM	Zinc	Total	=	7.8	µg/L	EPA 200.8	0.94	5	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/12/2018 8:21:00 PM	Ammonia as N	n/a	DNQ	0.053	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/12/2018 12:25:00 PM	Nitrate + Nitrite as N	n/a	=	1.6	mg/L	EPA 353.2	0.083	0.2	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/27/2018 12:10:00 PM	Phosphorus as P	Dissolved	=	0.16	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/20/2018 4:31:00 PM	Phosphorus as P	Total	=	0.17	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/14/2018 3:21:00 PM	TKN	n/a	=	0.85	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/19/2018 8:09:00 PM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/19/2018 8:09:00 PM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/19/2018 8:09:00 PM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/19/2018 8:09:00 PM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/19/2018 8:09:00 PM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/14/2018 5:15:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/19/2018 2:29:00 AM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/19/2018 8:09:00 PM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/19/2018 2:29:00 AM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/19/2018 8:09:00 PM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/19/2018 2:29:00 AM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/19/2018 8:09:00 PM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	LB-LCSR
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/19/2018 2:29:00 AM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/19/2018 8:09:00 PM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/19/2018 2:29:00 AM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/19/2018 8:09:00 PM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/19/2018 8:09:00 PM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/11/2018 4:19:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/19/2018 8:09:00 PM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/19/2018 8:09:00 PM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/19/2018 2:29:00 AM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/14/2018 5:15:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/19/2018 2:29:00 AM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/19/2018 2:29:00 AM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/19/2018 8:09:00 PM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/19/2018 8:09:00 PM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/19/2018 2:29:00 AM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/19/2018 8:09:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/19/2018 2:29:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/19/2018 8:09:00 PM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/19/2018 8:09:00 PM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/19/2018 2:29:00 AM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/19/2018 8:09:00 PM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/19/2018 8:09:00 PM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/19/2018 2:29:00 AM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/19/2018 8:09:00 PM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/14/2018 5:15:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/19/2018 8:09:00 PM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/14/2018 5:15:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/19/2018 8:09:00 PM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/14/2018 5:15:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/19/2018 8:09:00 PM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/14/2018 5:15:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/19/2018 8:09:00 PM	Benzenidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/19/2018 8:09:00 PM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/14/2018 5:15:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/14/2018 12:45:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/14/2018 5:15:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/19/2018 8:09:00 PM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/19/2018 8:09:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/14/2018 5:15:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/19/2018 8:09:00 PM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/14/2018 5:15:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/19/2018 8:09:00 PM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/19/2018 8:09:00 PM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/19/2018 8:09:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/14/2018 12:45:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/14/2018 12:45:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/19/2018 8:09:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/19/2018 8:09:00 PM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/19/2018 8:09:00 PM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/14/2018 5:15:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/19/2018 8:09:00 PM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/14/2018 5:15:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/19/2018 8:09:00 PM	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/19/2018 8:09:00 PM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/19/2018 8:09:00 PM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/19/2018 8:09:00 PM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/19/2018 8:09:00 PM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/14/2018 5:15:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/14/2018 5:15:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/19/2018 8:09:00 PM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/19/2018 8:09:00 PM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/19/2018 8:09:00 PM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/19/2018 8:09:00 PM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/19/2018 8:09:00 PM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/19/2018 8:09:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/14/2018 5:15:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/19/2018 8:09:00 PM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/11/2018 4:19:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/19/2018 8:09:00 PM		n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/14/2018 5:15:00 PM		n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/19/2018 8:09:00 PM		n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/19/2018 8:09:00 PM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/19/2018 8:09:00 PM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/19/2018 8:09:00 PM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/19/2018 8:09:00 PM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/14/2018 5:15:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/19/2018 8:09:00 PM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/19/2018 2:29:00 AM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/19/2018 8:09:00 PM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/14/2018 5:15:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/13/2018 1:49:00 AM	PCB Aroclor 1016	n/a	<	0.1	µg/L	EPA 608	0.1	1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/13/2018 1:49:00 AM	PCB Aroclor 1221	n/a	<	0.12	µg/L	EPA 608	0.12	1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/13/2018 1:49:00 AM	PCB Aroclor 1232	n/a	<	0.3	µg/L	EPA 608	0.3	1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/13/2018 1:49:00 AM	PCB Aroclor 1242	n/a	<	0.14	µg/L	EPA 608	0.14	1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/13/2018 1:49:00 AM	PCB Aroclor 1248	n/a	<	0.12	µg/L	EPA 608	0.12	1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/13/2018 1:49:00 AM	PCB Aroclor 1254	n/a	<	0.08	µg/L	EPA 608	0.08	1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/13/2018 1:49:00 AM	PCB Aroclor 1260	n/a	<	0.08	µg/L	EPA 608	0.08	1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/13/2018 5:20:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/13/2018 5:20:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/13/2018 5:20:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/13/2018 5:20:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/13/2018 5:20:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/13/2018 1:49:00 AM	4,4'-DDD	n/a	<	0.006	µg/L	EPA 608	0.006	0.1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/13/2018 1:49:00 AM	4,4'-DDE	n/a	<	0.005	µg/L	EPA 608	0.005	0.1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/13/2018 1:49:00 AM	4,4'-DDT	n/a	<	0.0062	µg/L	EPA 608	0.0062	0.02	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/13/2018 5:20:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/14/2018 12:45:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/13/2018 1:49:00 AM	Aldrin	n/a	<	0.003	µg/L	EPA 608	0.003	0.01	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/13/2018 1:49:00 AM	alpha-BHC	n/a	<	0.0036	µg/L	EPA 608	0.0036	0.02	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/13/2018 1:49:00 AM	alpha-Chlordane	n/a	<	0.0082	µg/L	EPA 608	0.0082	0.02	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/14/2018 12:45:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/13/2018 11:56:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/13/2018 5:20:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/13/2018 1:49:00 AM	beta-BHC	n/a	<	0.0062	µg/L	EPA 608	0.0062	0.01	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/13/2018 11:56:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/14/2018 12:45:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/14/2018 12:45:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/14/2018 12:45:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/13/2018 1:49:00 AM	Chlordane (technical)	n/a	<	0.16	µg/L	EPA 608	0.16	0.2	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/14/2018 12:45:00 PM	Chloropropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/13/2018 11:56:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/13/2018 11:56:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/14/2018 12:45:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/13/2018 5:20:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/13/2018 5:20:00 AM	DCCA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/13/2018 1:49:00 AM	delta-BHC	n/a	<	0.005	µg/L	EPA 608	0.005	0.01	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/13/2018 11:56:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/13/2018 11:56:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/14/2018 12:45:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/13/2018 11:56:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/13/2018 5:20:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/13/2018 5:20:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/13/2018 11:56:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/13/2018 1:49:00 AM	Dieldrin	n/a	<	0.0042	µg/L	EPA 608	0.0042	0.02	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/14/2018 12:45:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/13/2018 11:56:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/13/2018 5:20:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/14/2018 12:45:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/14/2018 12:45:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/13/2018 11:56:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/13/2018 1:49:00 AM	Endosulfan I	n/a	<	0.0034	µg/L	EPA 608	0.0034	0.04	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/13/2018 1:49:00 AM	Endosulfan II	n/a	<	0.0038	µg/L	EPA 608	0.0038	0.02	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/13/2018 1:49:00 AM	Endosulfan sulfate	n/a	<	0.016	µg/L	EPA 608	0.016	0.1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/13/2018 1:49:00 AM	Endrin	n/a	<	0.0056	µg/L	EPA 608	0.0056	0.02	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/13/2018 1:49:00 AM	Endrin aldehyde	n/a	<	0.006	µg/L	EPA 608	0.006	0.02	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/14/2018 12:45:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/13/2018 11:56:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/13/2018 11:56:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/13/2018 11:56:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/13/2018 11:56:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/13/2018 1:49:00 AM	gamma-BHC (Lindane)	n/a	<	0.0042	µg/L	EPA 608	0.0042	0.04	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/13/2018 1:49:00 AM	gamma-Chlordane	n/a	<	0.0088	µg/L	EPA 608	0.0088	0.02	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/14/2018 6:46:00 PM	Glyphosate	n/a	=	7.3	µg/L	EPA 547	1.8	5	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/13/2018 1:49:00 AM	Heptachlor	n/a	<	0.0034	µg/L	EPA 608	0.0034	0.02	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/13/2018 1:49:00 AM	Heptachlor epoxide	n/a	<	0.0038	µg/L	EPA 608	0.0038	0.02	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/13/2018 11:56:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/13/2018 11:56:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/13/2018 1:49:00 AM	Methoxychlor	n/a	<	0.011	µg/L	EPA 608	0.011	0.04	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/13/2018 11:56:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/14/2018 12:45:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/14/2018 12:45:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/13/2018 11:56:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/14/2018 12:45:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/13/2018 11:56:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/13/2018 5:20:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/19/2018 8:09:00 PM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/19/2018 2:29:00 AM	Pentachlorophenol	n/a	DNQ	0.39	µg/L	EPA 8270C	0.15	1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/13/2018 11:56:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/13/2018 5:20:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/14/2018 12:45:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/14/2018 12:45:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/13/2018 11:56:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/14/2018 12:45:00 PM	Simazine	n/a	=	0.1	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/13/2018 11:56:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/14/2018 12:45:00 PM		n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/14/2018 12:45:00 PM		n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/13/2018 11:56:00 PM		n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/13/2018 1:49:00 AM	Toxaphene	n/a	<	0.24	µg/L	EPA 608	0.24	1	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/13/2018 11:56:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-FIL	2017/18-5	Dry	6/6/2018 7:45:00 AM	6/14/2018 12:45:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-FIL	2018-DRY	Dry	8/20/2018 11:20:00 AM	8/21/2018 8:30:00 AM	E. Coli	n/a	=	218	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-FIL	2018-DRY	Dry	8/20/2018 11:20:00 AM	8/21/2018 8:30:00 AM	Total Coliform	n/a	=	2098	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-FIL	2018-DRY	Dry	8/20/2018 11:20:00 AM	8/24/2018 3:37:00 PM	Calcium	Total	=	162	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-FIL	2018-DRY	Dry	8/20/2018 11:20:00 AM	8/24/2018 3:37:00 PM	Magnesium	Total	=	52	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-FIL	2018-DRY	Dry	8/20/2018 11:20:00 AM	8/20/2018 11:20:00 AM	Conductivity	n/a	=	1615	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-FIL	2018-DRY	Dry	8/20/2018 11:20:00 AM	8/20/2018 11:20:00 AM	Discharge	n/a	=	0.05	cfs	Field Estimate	-88	-88	Field Crew	EST
MO-FIL	2018-DRY	Dry	8/20/2018 11:20:00 AM	8/20/2018 11:20:00 AM	DO	n/a	=	197	%	Field Meter	-88	0.1	Field Crew	
MO-FIL	2018-DRY	Dry	8/20/2018 11:20:00 AM	8/20/2018 11:20:00 AM	DO	n/a	=	15.52	mg/L	Field Meter	-88	0.3	Field Crew	
MO-FIL	2018-DRY	Dry	8/20/2018 11:20:00 AM	8/24/2018 3:37:00 PM	Hardness as CaCO3	Total	=	619	mg/L	EPA 200.7	0.0894	0.662	Field Crew	
MO-FIL	2018-DRY	Dry	8/20/2018 11:20:00 AM	8/20/2018 11:20:00 AM	pH	n/a	=	8.5	pH Units	Field Meter	-88	0.01	Field Crew	
MO-FIL	2018-DRY	Dry	8/20/2018 11:20:00 AM	8/20/2018 11:20:00 AM	Salinity	n/a	=	800	mg/L	Field Meter	-88	100	Field Crew	
MO-FIL	2018-DRY	Dry	8/20/2018 11:20:00 AM	8/20/2018 11:20:00 AM	Specific Conductance	n/a	=	1517	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-FIL	2018-DRY	Dry	8/20/2018 11:20:00 AM	8/20/2018 11:20:00 AM	Temperature	n/a	=	28.4	°C	Field Meter	-88	0.1	Field Crew	
MO-FIL	2018-DRY	Dry	8/20/2018 11:20:00 AM	8/28/2018 12:44:00 PM	Total Organic Carbon	n/a	=	4.7	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-FIL	2018-DRY	Dry	8/20/2018 11:20:00 AM	8/20/2018 11:20:00 AM	Turbidity	n/a	=	2.67	NTU	Field Meter	-88	0.01	Field Crew	
MO-FIL	2018-DRY	Dry	8/20/2018 11:20:00 AM	8/28/2018 4:42:00 PM	Copper	Dissolved	=	5.3	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-FIL	2018-DRY	Dry	8/20/2018 11:20:00 AM	8/28/2018 4:42:00 PM	Lead	Dissolved	DNQ	0.035	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-FIL	2018-DRY	Dry	8/20/2018 11:20:00 AM	8/28/2018 4:42:00 PM	Zinc	Dissolved	DNQ	2.5	µg/L	EPA 200.8	0.94	5	WKL	
MO-HUE	2017/18-1	Wet	1/8/2018 7:45:00 PM	1/9/2018 4:30:00 PM	E. Coli	n/a	=	41060	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-HUE	2017/18-1	Wet	1/8/2018 7:45:00 PM	1/11/2018 2:35:00 PM	Fecal Coliform	n/a	=	46000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-HUE	2017/18-1	Wet	1/8/2018 7:45:00 PM	1/9/2018 4:30:00 PM	Total Coliform	n/a	=	365400	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-HUE	2017/18-1	Wet	1/8/2018 7:45:00 PM	1/8/2018 7:45:00 PM	Conductivity	n/a	=	2434	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-HUE	2017/18-1	Wet	1/8/2018 7:45:00 PM	1/16/2018 6:51:00 PM	Cyanide	Total	=	0.0066	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-HUE	2017/18-1	Wet	1/8/2018 7:45:00 PM	1/8/2018 7:45:00 PM	DO	n/a	=	110.2	%	Field Meter	-88	0.1	Field Crew	
MO-HUE	2017/18-1	Wet	1/8/2018 7:45:00 PM	1/8/2018 7:45:00 PM	DO	n/a	=	10.55	mg/L	Field Meter	-88	0.3	Field Crew	
MO-HUE	2017/18-1	Wet	1/8/2018 7:45:00 PM	1/8/2018 7:45:00 PM	pH	n/a	=	6.99	pH Units	Field Meter	-88	0.01	Field Crew	
MO-HUE	2017/18-1	Wet	1/8/2018 7:45:00 PM	1/8/2018 7:45:00 PM	Salinity	n/a	=	1500	mg/L	Field Meter	-88	100	Field Crew	
MO-HUE	2017/18-1	Wet	1/8/2018 7:45:00 PM	1/8/2018 7:45:00 PM	Specific Conductance	n/a	=	2908	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-HUE	2017/18-1	Wet	1/8/2018 7:45:00 PM	1/8/2018 7:45:00 PM	Temperature	n/a	=	16.4	°C	Field Meter	-88	0.1	Field Crew	
MO-HUE	2017/18-1	Wet	1/8/2018 7:45:00 PM	1/18/2018 9:33:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
MO-HUE	2017/18-1	Wet	1/8/2018 7:45:00 PM	1/19/2018 5:44:00 PM	Oil and Grease	n/a	DNQ	2	mg/L	EPA 1664A	1.3	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2017/18-1	Wet	1/8/2018 7:45:00 PM	1/12/2018 5:40:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-HUE	2017/18-1	Wet	1/8/2018 7:45:00 PM	1/12/2018 5:40:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/15/2018 1:00:00 PM	Chloride	n/a	=	1300	mg/L	EPA 300.0	5	25	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/15/2018 1:00:00 PM	Fluoride	n/a	=	0.28	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/20/2018 12:34:00 PM	Perchlorate	n/a	<	4.8	µg/L	EPA 314.0	4.8	10	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/15/2018 1:00:00 PM	Sulfate	Total	=	370	mg/L	EPA 300.0	5	25	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/16/2018 8:28:00 PM	Calcium	Total	=	137	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/16/2018 8:28:00 PM	Magnesium	Total	=	146	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/17/2018 1:54:00 PM	Potassium	Total	=	59	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/16/2018 8:28:00 PM	Sodium	Total	=	930	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/15/2018 1:41:00 PM	Alkalinity as CaCO3	n/a	=	150	mg/L	SM 2320 B	0.56	2	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/16/2018 1:28:00 PM	BOD	n/a	=	11	mg/L	SM 5210 B	2	2	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/17/2018 2:50:00 PM	COD	n/a	=	91	mg/L	EPA 410.4	0.73	5	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/22/2018 4:21:00 PM	Dissolved Inorganic Carbon	Dissolved	=	38	mg/L	SM 5310 B	0.55	0.5	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/15/2018 12:47:00 PM	Dissolved Organic Carbon	Dissolved	=	23	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/16/2018 8:28:00 PM	Hardness as CaCO3	Total	=	944	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/10/2018 11:03:00 AM	MBAS	n/a	=	0.33	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/19/2018 10:16:00 AM	Phenolics	n/a	=	0.046	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/18/2018 2:47:00 PM	Specific Conductance	n/a	=	7200	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/15/2018 7:29:00 PM	Total Dissolved Solids	n/a	=	4000	mg/L	SM 2540 C	4	10	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/11/2018 10:27:00 AM	Total Organic Carbon	n/a	=	24	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/12/2018 1:05:00 PM	Total Suspended Solids	n/a	=	53	mg/L	SM 2540 D	-88	5	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/10/2018 4:17:00 PM	Turbidity	n/a	=	21	NTU	EPA 180.1	0.024	0.1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/12/2018 1:05:00 PM	Volatile Suspended Solids	n/a	=	26	mg/L	EPA 160.4	3.1	5	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/24/2018 12:07:00 AM	Diesel Range Organics	n/a	=	0.9	mg/L	EPA 8015D	0.024	0.1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/24/2018 12:07:00 AM	Oil Range Organics	n/a	=	0.57	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/24/2018 10:48:00 PM	Aluminum	Dissolved	=	9	µg/L	EPA 200.8	1.3	5	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/24/2018 10:55:00 PM	Aluminum	Total	=	280	µg/L	EPA 200.8	1.3	5	WKL	HB-MSR
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/24/2018 10:48:00 PM	Antimony	Dissolved	=	0.7	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/24/2018 10:55:00 PM	Antimony	Total	=	0.94	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/24/2018 10:48:00 PM	Arsenic	Dissolved	=	1.5	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/24/2018 10:55:00 PM	Arsenic	Total	=	2.1	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/24/2018 10:55:00 PM	Barium	Total	=	40	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/24/2018 10:48:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/24/2018 10:55:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/24/2018 10:48:00 PM	Cadmium	Dissolved	=	0.17	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/24/2018 10:55:00 PM	Cadmium	Total	=	0.31	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/24/2018 10:48:00 PM	Chromium	Dissolved	=	0.35	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/24/2018 10:55:00 PM	Chromium	Total	=	1.1	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/12/2018 8:49:00 PM	Chromium VI	n/a	=	0.21	µg/L	EPA 218.6	0.024	0.1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/24/2018 10:48:00 PM	Copper	Dissolved	=	3.8	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/24/2018 10:55:00 PM	Copper	Total	=	7.8	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/16/2018 7:56:00 PM	Iron	Dissolved	=	230	µg/L	EPA 200.7	1.1	10	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/16/2018 8:28:00 PM	Iron	Total	=	1500	µg/L	EPA 200.7	1.1	10	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/24/2018 10:48:00 PM	Lead	Dissolved	DNQ	0.1	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/24/2018 10:55:00 PM	Lead	Total	=	1	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/18/2018 3:31:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/18/2018 3:33:00 PM	Mercury	Total	DNQ	18	ng/L	EPA 245.1	17	50	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/24/2018 10:48:00 PM	Nickel	Dissolved	=	3.6	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/24/2018 10:55:00 PM	Nickel	Total	=	4.1	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/24/2018 10:48:00 PM	Selenium	Dissolved	=	0.41	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/24/2018 10:55:00 PM	Selenium	Total	=	0.57	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/24/2018 10:48:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/24/2018 10:55:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/24/2018 10:48:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/24/2018 10:55:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/24/2018 10:48:00 PM	Zinc	Dissolved	=	25	µg/L	EPA 200.8	0.94	5	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/24/2018 10:55:00 PM	Zinc	Total	=	39	µg/L	EPA 200.8	0.94	5	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/19/2018 4:44:00 PM	Ammonia as N	n/a	=	0.94	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/15/2018 12:23:00 PM	Nitrate + Nitrite as N	n/a	=	0.63	mg/L	EPA 353.2	0.083	0.2	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/15/2018 6:24:00 PM	Phosphorus as P	Dissolved	=	0.18	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/16/2018 11:59:00 AM	Phosphorus as P	Total	=	0.48	mg/L	EPA 365.1	0.0056	0.04	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/26/2018 5:19:00 PM	TKN	n/a	=	2.6	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/15/2018 8:56:00 PM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/15/2018 8:56:00 PM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/15/2018 8:56:00 PM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/15/2018 8:56:00 PM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/15/2018 8:56:00 PM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	2/1/2018 10:48:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/29/2018 5:10:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/29/2018 5:10:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/15/2018 8:56:00 PM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/29/2018 5:10:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	EST-LCSRPD
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/15/2018 8:56:00 PM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/29/2018 5:10:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	EST-LCSRPD
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/15/2018 8:56:00 PM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/15/2018 8:56:00 PM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	EST-LCSRPD
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/29/2018 5:10:00 PM	2,4-Dinitrophenol	n/a	DNQ	1.3	µg/L	EPA 8270C	1	2	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/15/2018 8:56:00 PM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/15/2018 8:56:00 PM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/15/2018 8:56:00 PM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/29/2018 5:10:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/15/2018 8:56:00 PM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	2/1/2018 10:48:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/29/2018 5:10:00 PM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/29/2018 5:10:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	EST-LCSRPD
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/15/2018 8:56:00 PM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/15/2018 8:56:00 PM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	EST-LCSRPD
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/29/2018 5:10:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/15/2018 8:56:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	EST-LCSRPD
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/29/2018 5:10:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/15/2018 8:56:00 PM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	EST-LCSRPD
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/29/2018 5:10:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/15/2018 8:56:00 PM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/15/2018 8:56:00 PM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/15/2018 8:56:00 PM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/29/2018 5:10:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	2/1/2018 10:48:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/15/2018 8:56:00 PM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	2/1/2018 10:48:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/15/2018 8:56:00 PM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/15/2018 8:56:00 PM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	2/1/2018 10:48:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/15/2018 8:56:00 PM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	EST-LCSRPD
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	2/1/2018 10:48:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/15/2018 8:56:00 PM	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	2/1/2018 10:48:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/23/2018 10:33:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/15/2018 8:56:00 PM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	2/1/2018 10:48:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/15/2018 8:56:00 PM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	2/1/2018 10:48:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/15/2018 8:56:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	2/1/2018 10:48:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/15/2018 8:56:00 PM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/15/2018 8:56:00 PM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	EST-LCSRPD
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/15/2018 8:56:00 PM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/15/2018 8:56:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/23/2018 10:33:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/15/2018 8:56:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	EST-LCSRPD
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/23/2018 10:33:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/15/2018 8:56:00 PM	Butyl benzyl phthalate	n/a	DNQ	0.31	µg/L	EPA 625	0.18	1	WKL	EST-LCSRPD
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/15/2018 8:56:00 PM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	2/1/2018 10:48:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	2/1/2018 10:48:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/15/2018 8:56:00 PM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/15/2018 8:56:00 PM	Diethyl phthalate	n/a	DNQ	0.31	µg/L	EPA 625	0.15	1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/15/2018 8:56:00 PM	Dimethyl phthalate	n/a	=	5.8	µg/L	EPA 625	0.18	1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/15/2018 8:56:00 PM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/15/2018 8:56:00 PM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	2/1/2018 10:48:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	EST-LCSRPD
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/15/2018 8:56:00 PM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	2/1/2018 10:48:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/15/2018 8:56:00 PM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/15/2018 8:56:00 PM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	EST-LCSRPD
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/15/2018 8:56:00 PM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/15/2018 8:56:00 PM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/15/2018 8:56:00 PM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/15/2018 8:56:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	2/1/2018 10:48:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/15/2018 8:56:00 PM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/15/2018 8:56:00 PM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	2/1/2018 10:48:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/15/2018 8:56:00 PM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/15/2018 8:56:00 PM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/15/2018 8:56:00 PM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/15/2018 8:56:00 PM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	2/1/2018 10:48:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/15/2018 8:56:00 PM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/29/2018 5:10:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/15/2018 8:56:00 PM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	2/1/2018 10:48:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/15/2018 8:56:00 PM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	EST-LCSRPD
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/23/2018 6:57:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/23/2018 6:57:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/23/2018 6:57:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/23/2018 6:57:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/23/2018 6:57:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/23/2018 6:57:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/23/2018 6:57:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/13/2018 3:06:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/13/2018 3:06:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/13/2018 3:06:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/13/2018 3:06:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/13/2018 3:06:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/23/2018 6:57:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/23/2018 6:57:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/23/2018 6:57:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/13/2018 3:06:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/23/2018 10:33:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/23/2018 6:57:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/23/2018 6:57:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/23/2018 6:57:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/23/2018 10:33:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	2/2/2018 11:31:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/13/2018 3:06:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/23/2018 6:57:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	2/2/2018 11:31:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/23/2018 10:33:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/23/2018 10:33:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/23/2018 10:33:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/23/2018 6:57:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/23/2018 10:33:00 PM	Chloropropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	2/2/2018 11:31:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	2/2/2018 11:31:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/23/2018 10:33:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/13/2018 3:06:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/13/2018 3:06:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/23/2018 6:57:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	2/2/2018 11:31:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	2/2/2018 11:31:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/23/2018 10:33:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	2/2/2018 11:31:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/13/2018 3:06:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/13/2018 3:06:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	2/2/2018 11:31:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/23/2018 6:57:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	2/6/2018 7:41:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/23/2018 10:33:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/13/2018 3:06:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/23/2018 10:33:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/23/2018 10:33:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	2/2/2018 11:31:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/23/2018 6:57:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/23/2018 6:57:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/23/2018 6:57:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/23/2018 6:57:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/23/2018 6:57:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/23/2018 10:33:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	2/2/2018 11:31:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	2/2/2018 11:31:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	2/2/2018 11:31:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	2/2/2018 11:31:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/23/2018 6:57:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/23/2018 6:57:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/10/2018 8:23:00 PM	Glyphosate	n/a	=	6.7	µg/L	EPA 547	1.8	5	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/23/2018 6:57:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/23/2018 6:57:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	2/2/2018 11:31:00 PM	Malathion	n/a	=	0.028	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	2/2/2018 11:31:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/23/2018 6:57:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	2/2/2018 11:31:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/23/2018 10:33:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/23/2018 10:33:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	2/2/2018 11:31:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/23/2018 10:33:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	2/2/2018 11:31:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/15/2018 8:56:00 PM	Pentachlorophenol	n/a	DNQ	0.57	µg/L	EPA 625	0.19	1	WKL	EST-LCSRPD
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/29/2018 5:10:00 PM	Pentachlorophenol	n/a	DNQ	0.5	µg/L	EPA 8270C	0.15	1	WKL	
MO-HUE	2017/18-1	Wet	1/13/2018 3:06:00 AM	1/13/2018 3:06:00 AM	Pentachlorophenol	n/a	DNQ	0.071	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	2/2/2018 11:31:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/13/2018 3:06:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/23/2018 10:33:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	EST-LCSRPD
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/23/2018 10:33:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	2/2/2018 11:31:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/23/2018 10:33:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	2/2/2018 11:31:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/23/2018 10:33:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/23/2018 10:33:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	2/2/2018 11:31:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/23/2018 6:57:00 AM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	2/2/2018 11:31:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-HUE	2017/18-1	Wet	1/9/2018 3:00:00 PM	1/23/2018 10:33:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-HUE	2017/18-2	Wet	3/2/2018 7:15:00 AM	3/3/2018 8:45:00 AM	E. Coli	n/a	=	862	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-HUE	2017/18-2	Wet	3/2/2018 7:15:00 AM	3/5/2018 12:00:00 PM	Fecal Coliform	n/a	=	1700	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-HUE	2017/18-2	Wet	3/2/2018 7:15:00 AM	3/3/2018 8:45:00 AM	Total Coliform	n/a	>	241960	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-HUE	2017/18-2	Wet	3/2/2018 7:15:00 AM	3/2/2018 7:15:00 AM	Conductivity	n/a	=	12280	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-HUE	2017/18-2	Wet	3/2/2018 7:15:00 AM	3/9/2018 4:06:00 PM	Cyanide	Total	<	0.0005	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-HUE	2017/18-2	Wet	3/2/2018 7:15:00 AM	3/2/2018 7:15:00 AM	DO	n/a	=	8.78	mg/L	Field Meter	-88	0.3	Field Crew	
MO-HUE	2017/18-2	Wet	3/2/2018 7:15:00 AM	3/2/2018 7:15:00 AM	DO	n/a	=	92.8	%	Field Meter	-88	0.1	Field Crew	
MO-HUE	2017/18-2	Wet	3/2/2018 7:15:00 AM	3/2/2018 7:15:00 AM	pH	n/a	=	7.61	pH Units	Field Meter	-88	0.01	Field Crew	
MO-HUE	2017/18-2	Wet	3/2/2018 7:15:00 AM	3/2/2018 7:15:00 AM	Salinity	n/a	=	8800	mg/L	Field Meter	-88	100	Field Crew	
MO-HUE	2017/18-2	Wet	3/2/2018 7:15:00 AM	3/2/2018 7:15:00 AM	Specific Conductance	n/a	=	15100	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-HUE	2017/18-2	Wet	3/2/2018 7:15:00 AM	3/2/2018 7:15:00 AM	Temperature	n/a	=	15.2	°C	Field Meter	-88	0.1	Field Crew	
MO-HUE	2017/18-2	Wet	3/2/2018 7:15:00 AM	3/6/2018 2:06:00 AM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
MO-HUE	2017/18-2	Wet	3/2/2018 7:15:00 AM	3/13/2018 5:21:00 PM	Oil and Grease	n/a	DNQ	1.5	mg/L	EPA 1664A	1.3	5	WKL	
MO-HUE	2017/18-2	Wet	3/2/2018 7:15:00 AM	3/6/2018 12:51:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-HUE	2017/18-2	Wet	3/2/2018 7:15:00 AM	3/6/2018 12:51:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-HUE	2017/18-3	Wet	3/10/2018 7:45:00 PM	3/11/2018 11:34:00 PM	E. Coli	n/a	=	6131	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-HUE	2017/18-3	Wet	3/10/2018 7:45:00 PM	3/13/2018 9:40:00 PM	Fecal Coliform	n/a	=	16000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-HUE	2017/18-3	Wet	3/10/2018 7:45:00 PM	3/11/2018 11:34:00 PM	Total Coliform	n/a	=	198630	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-HUE	2017/18-3	Wet	3/10/2018 7:45:00 PM	3/10/2018 7:45:00 PM	Conductivity	n/a	=	6060	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-HUE	2017/18-3	Wet	3/10/2018 7:45:00 PM	3/19/2018 4:29:00 PM	Cyanide	Total	<	0.0005	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-HUE	2017/18-3	Wet	3/10/2018 7:45:00 PM	3/10/2018 7:45:00 PM	DO	n/a	=	11.98	mg/L	Field Meter	-88	0.3	Field Crew	
MO-HUE	2017/18-3	Wet	3/10/2018 7:45:00 PM	3/10/2018 7:45:00 PM	DO	n/a	=	125.1	%	Field Meter	-88	0.1	Field Crew	
MO-HUE	2017/18-3	Wet	3/10/2018 7:45:00 PM	3/10/2018 7:45:00 PM	pH	n/a	=	7.74	pH Units	Field Meter	-88	0.01	Field Crew	
MO-HUE	2017/18-3	Wet	3/10/2018 7:45:00 PM	3/10/2018 7:45:00 PM	Salinity	n/a	=	4300	mg/L	Field Meter	-88	100	Field Crew	
MO-HUE	2017/18-3	Wet	3/10/2018 7:45:00 PM	3/10/2018 7:45:00 PM	Specific Conductance	n/a	=	7230	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-HUE	2017/18-3	Wet	3/10/2018 7:45:00 PM	3/10/2018 7:45:00 PM	Temperature	n/a	=	16.7	°C	Field Meter	-88	0.1	Field Crew	
MO-HUE	2017/18-3	Wet	3/10/2018 7:45:00 PM	3/16/2018 4:48:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
MO-HUE	2017/18-3	Wet	3/10/2018 7:45:00 PM	3/27/2018 6:07:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-HUE	2017/18-3	Wet	3/10/2018 7:45:00 PM	3/13/2018 8:26:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-HUE	2017/18-3	Wet	3/10/2018 7:45:00 PM	3/13/2018 8:26:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/21/2018 2:00:00 PM	Chloride	n/a	=	1300	mg/L	EPA 300.0	2	10	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/21/2018 2:00:00 PM	Fluoride	n/a	DNQ	0.56	mg/L	EPA 300.0	0.4	2	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/12/2018 9:22:00 PM	Perchlorate	n/a	<	9.5	µg/L	EPA 314.0	9.5	20	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/21/2018 2:00:00 PM	Sulfate	Total	=	430	mg/L	EPA 300.0	2	10	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/26/2018 3:35:00 PM	Calcium	Total	=	148	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/26/2018 3:35:00 PM	Magnesium	Total	=	145	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/26/2018 3:35:00 PM	Potassium	Total	=	51	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/26/2018 3:35:00 PM	Sodium	Total	=	840	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/12/2018 1:51:00 PM	Alkalinity as CaCO3	n/a	=	180	mg/L	SM 2320 B	0.56	2	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/17/2018 7:25:00 PM	BOD	n/a	=	12	mg/L	SM 5210 B	2	2	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/19/2018 7:36:00 PM	COD	n/a	=	59	mg/L	EPA 410.4	0.73	5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/15/2018 1:47:00 PM	Dissolved Inorganic Carbon	Dissolved	=	42	mg/L	SM 5310 B	0.5	0.5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/19/2018 8:44:00 AM	Dissolved Organic Carbon	Dissolved	=	7.7	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/26/2018 3:35:00 PM	Hardness as CaCO3	Total	=	966	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/12/2018 4:40:00 PM	MBAS	n/a	=	0.2	mg/L	SM 5540 C	0.019	0.05	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/29/2018 5:15:00 PM	Phenolics	n/a	=	0.071	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/19/2018 12:15:00 PM	Specific Conductance	n/a	=	6600	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/15/2018 5:49:00 PM	Total Dissolved Solids	n/a	=	3700	mg/L	SM 2540 C	4	10	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/22/2018 10:17:00 AM	Total Organic Carbon	n/a	=	9	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/14/2018 1:40:00 PM	Total Suspended Solids	n/a	=	60	mg/L	SM 2540 D	-88	5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/12/2018 11:32:00 AM	Turbidity	n/a	=	16	NTU	EPA 180.1	0.024	0.1	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/14/2018 1:40:00 PM	Volatile Suspended Solids	n/a	=	22	mg/L	EPA 160.4	3.1	5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/20/2018 2:30:00 AM	Diesel Range Organics	n/a	=	0.52	mg/L	EPA 8015D	0.024	0.1	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/20/2018 2:30:00 AM	Oil Range Organics	n/a	=	0.51	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	4/2/2018 6:20:00 PM	Aluminum	Dissolved	DNQ	2.8	µg/L	EPA 200.8	1.3	5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	4/2/2018 6:24:00 PM	Aluminum	Total	=	560	µg/L	EPA 200.8	1.3	5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/30/2018 8:33:00 PM	Antimony	Dissolved	DNQ	0.42	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/30/2018 8:41:00 PM	Antimony	Total	=	0.57	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/30/2018 8:33:00 PM	Arsenic	Dissolved	=	1.1	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/30/2018 8:41:00 PM	Arsenic	Total	=	2.1	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/30/2018 8:41:00 PM	Barium	Total	=	44	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/30/2018 8:33:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/30/2018 8:41:00 PM	Beryllium	Total	DNQ	0.04	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/30/2018 8:33:00 PM	Cadmium	Dissolved	DNQ	0.09	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/30/2018 8:41:00 PM	Cadmium	Total	=	0.21	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/30/2018 8:33:00 PM	Chromium	Dissolved	DNQ	0.12	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/30/2018 8:41:00 PM	Chromium	Total	=	1.5	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/18/2018 6:06:00 PM	Chromium VI	n/a	<	0.096	µg/L	EPA 218.6	0.096	0.4	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/30/2018 8:33:00 PM	Copper	Dissolved	=	3.7	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/30/2018 8:41:00 PM	Copper	Total	=	11	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/26/2018 3:23:00 PM	Iron	Dissolved	=	20	µg/L	EPA 200.7	1.1	10	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/26/2018 3:35:00 PM	Iron	Total	=	2300	µg/L	EPA 200.7	1.1	10	WKL	HB-MSR
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/30/2018 8:33:00 PM	Lead	Dissolved	DNQ	0.05	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/30/2018 8:41:00 PM	Lead	Total	=	1.8	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/23/2018 2:52:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/23/2018 2:53:00 PM	Mercury	Total	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/30/2018 8:33:00 PM	Nickel	Dissolved	=	1.8	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/30/2018 8:41:00 PM	Nickel	Total	=	3	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/30/2018 8:33:00 PM	Selenium	Dissolved	DNQ	0.28	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/30/2018 8:41:00 PM	Selenium	Total	DNQ	0.32	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/30/2018 8:33:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/30/2018 8:41:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/30/2018 8:33:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/30/2018 8:41:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/30/2018 8:33:00 PM	Zinc	Dissolved	=	8.9	µg/L	EPA 200.8	0.94	5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/30/2018 8:41:00 PM	Zinc	Total	=	33	µg/L	EPA 200.8	0.94	5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/21/2018 8:47:00 PM	Ammonia as N	n/a	=	0.1	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/25/2018 10:30:00 AM	Nitrate + Nitrite as N	n/a	=	0.22	mg/L	EPA 353.2	0.083	0.2	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/27/2018 6:01:00 PM	Phosphorus as P	Dissolved	=	0.051	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/27/2018 3:34:00 PM	Phosphorus as P	Total	=	0.46	mg/L	EPA 365.1	0.0056	0.04	WKL	HB-MSR
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/23/2018 8:23:00 PM	TKN	n/a	=	1.6	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/22/2018 7:13:00 AM	1,2,4-Trichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/22/2018 7:13:00 AM	1,2-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/22/2018 7:13:00 AM	1,2-Diphenylhydrazine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/22/2018 7:13:00 AM	1,3-Dichlorobenzene	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/22/2018 7:13:00 AM	1,4-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/27/2018 8:44:00 PM	1-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/23/2018 9:16:00 AM	2,4,5-Trichlorophenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/22/2018 7:13:00 AM	2,4,6-Trichlorophenol	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/23/2018 9:16:00 AM	2,4,6-Trichlorophenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/22/2018 7:13:00 AM	2,4-Dichlorophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/23/2018 9:16:00 AM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 8270C	2.6	5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/22/2018 7:13:00 AM	2,4-Dimethylphenol	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	EST-LCSRPD
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/23/2018 9:16:00 AM	2,4-Dimethylphenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/22/2018 7:13:00 AM	2,4-Dinitrophenol	n/a	<	7.9	µg/L	EPA 625	7.9	50	WKL	EST-LCSRPD
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/23/2018 9:16:00 AM	2,4-Dinitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/22/2018 7:13:00 AM	2,4-Dinitrotoluene	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/22/2018 7:13:00 AM	2,6-Dinitrotoluene	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/22/2018 7:13:00 AM	2-Chloronaphthalene	n/a	<	2.2	µg/L	EPA 625	2.2	5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/22/2018 7:13:00 AM	2-Chlorophenol	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/23/2018 9:16:00 AM	2-Chlorophenol	n/a	<	3.2	µg/L	EPA 8270C	3.2	5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/27/2018 8:44:00 PM	2-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/23/2018 9:16:00 AM	2-Methylphenol	n/a	<	1.7	µg/L	EPA 8270C	1.7	5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/22/2018 7:13:00 AM	2-Nitrophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/23/2018 9:16:00 AM	2-Nitrophenol	n/a	<	3.6	µg/L	EPA 8270C	3.6	5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/22/2018 7:13:00 AM	3,3'-Dichlorobenzidine	n/a	<	6	µg/L	EPA 625	6	25	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/23/2018 9:16:00 AM	3-/4-Methylphenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	EST-LCSRPD
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/22/2018 7:13:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	8.6	µg/L	EPA 625	8.6	25	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/23/2018 9:16:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.7	µg/L	EPA 8270C	0.7	5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/22/2018 7:13:00 AM	4-Bromophenyl phenyl ether	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/22/2018 7:13:00 AM	4-Chloro-3-methylphenol	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/23/2018 9:16:00 AM	4-Chloro-3-methylphenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/22/2018 7:13:00 AM	4-Chlorophenyl phenyl ether	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/22/2018 7:13:00 AM	4-Nitrophenol	n/a	<	2.2	µg/L	EPA 625	2.2	25	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/23/2018 9:16:00 AM	4-Nitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	EST-LCSRPD
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/22/2018 7:13:00 AM	Acenaphthene	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/27/2018 8:44:00 PM	Acenaphthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/22/2018 7:13:00 AM	Acenaphthylene	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/27/2018 8:44:00 PM	Acenaphthylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/22/2018 7:13:00 AM	Anthracene	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/27/2018 8:44:00 PM	Anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/22/2018 7:13:00 AM	Benz(a)anthracene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/27/2018 8:44:00 PM	Benz(a)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/22/2018 7:13:00 AM	Benididine	n/a	<	18	µg/L	EPA 625	18	50	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/22/2018 7:02:00 PM	Benzo(a)pyrene	n/a	<	0.35	µg/L	EPA 525.2	0.35	0.5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/22/2018 7:13:00 AM	Benzo(a)pyrene	n/a	<	0.65	µg/L	EPA 625	0.65	5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/27/2018 8:44:00 PM	Benzo(a)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/22/2018 7:13:00 AM	Benzo(b)fluoranthene	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/27/2018 8:44:00 PM	Benzo(b)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/27/2018 8:44:00 PM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/22/2018 7:13:00 AM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 625	0.5	10	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/22/2018 7:13:00 AM	Benzo(k)fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/27/2018 8:44:00 PM	Benzo(k)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/22/2018 7:13:00 AM	Bis(2-chloroethoxy)methane	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/22/2018 7:13:00 AM	Bis(2-chloroethyl)ether	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/22/2018 7:13:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/22/2018 7:02:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.52	µg/L	EPA 525.2	0.52	25	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/22/2018 7:02:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	5.3	µg/L	EPA 525.2	5.3	15	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/22/2018 7:13:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	12	µg/L	EPA 625	12	25	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/22/2018 7:13:00 AM	Butyl benzyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/22/2018 7:13:00 AM	Chrysene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/27/2018 8:44:00 PM	Chrysene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/22/2018 7:13:00 AM	Dibenz(a,h)anthracene	n/a	<	0.4	µg/L	EPA 625	0.4	10	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/27/2018 8:44:00 PM	Dibenz(a,h)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/22/2018 7:13:00 AM	Diethyl phthalate	n/a	<	0.75	µg/L	EPA 625	0.75	5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/22/2018 7:13:00 AM	Dimethyl phthalate	n/a	DNQ	2.4	µg/L	EPA 625	0.9	5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/22/2018 7:13:00 AM	Di-n-butylphthalate	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/22/2018 7:13:00 AM	Di-n-octylphthalate	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/27/2018 8:44:00 PM	Fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/22/2018 7:13:00 AM	Fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/27/2018 8:44:00 PM	Fluorene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/22/2018 7:13:00 AM	Fluorene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/22/2018 7:13:00 AM	Hexachlorobenzene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/22/2018 7:13:00 AM	Hexachlorobutadiene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/22/2018 7:13:00 AM	Hexachlorocyclopentadiene	n/a	<	7.3	µg/L	EPA 625	7.3	25	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/22/2018 7:13:00 AM	Hexachloroethane	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/22/2018 7:13:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.6	µg/L	EPA 625	0.6	10	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/27/2018 8:44:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/22/2018 7:13:00 AM	Isophorone	n/a	<	1	µg/L	EPA 625	1	5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/22/2018 7:13:00 AM	Naphthalene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/27/2018 8:44:00 PM	Naphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/22/2018 7:13:00 AM	Nitrobenzene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/22/2018 7:13:00 AM	N-Nitrosodimethylamine	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/22/2018 7:13:00 AM	N-Nitrosodi-N-propylamine	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/22/2018 7:13:00 AM	N-Nitrosodiphenylamine	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/27/2018 8:44:00 PM	Phenanthrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/22/2018 7:13:00 AM	Phenanthrene	n/a	<	1.6	µg/L	EPA 625	1.6	5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/22/2018 7:13:00 AM	Phenol	n/a	<	0.8	µg/L	EPA 625	0.8	5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/23/2018 9:16:00 AM	Phenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/22/2018 7:13:00 AM	Pyrene	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/27/2018 8:44:00 PM	Pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/25/2018 3:59:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/25/2018 3:59:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/25/2018 3:59:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/25/2018 3:59:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/25/2018 3:59:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/25/2018 3:59:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/25/2018 3:59:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/17/2018 8:40:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/17/2018 8:40:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/17/2018 8:40:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/17/2018 8:40:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/17/2018 8:40:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/25/2018 3:59:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/25/2018 3:59:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/25/2018 3:59:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/17/2018 8:40:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/22/2018 7:02:00 PM	Alachlor	n/a	<	0.11	µg/L	EPA 525.2	0.11	0.5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/25/2018 3:59:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/25/2018 3:59:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/25/2018 3:59:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/22/2018 7:02:00 PM	Atrazine	n/a	<	0.17	µg/L	EPA 525.2	0.17	0.5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/21/2018 8:47:00 PM	Azinphos methyl	n/a	<	0.028	µg/L	EPA 525.2m	0.028	0.05	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/17/2018 8:40:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/25/2018 3:59:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/21/2018 8:47:00 PM	Bolstar	n/a	<	0.023	µg/L	EPA 525.2m	0.023	0.05	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/22/2018 7:02:00 PM	Bromacil	n/a	<	0.19	µg/L	EPA 525.2	0.19	5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/22/2018 7:02:00 PM	Butachlor	n/a	<	0.085	µg/L	EPA 525.2	0.085	1	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/22/2018 7:02:00 PM	Captan	n/a	<	4.3	µg/L	EPA 525.2	4.3	5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/25/2018 3:59:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/22/2018 7:02:00 PM	Chlorpropham	n/a	<	0.05	µg/L	EPA 525.2	0.05	0.5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/21/2018 8:47:00 PM	Chlorpyrifos	n/a	<	0.034	µg/L	EPA 525.2m	0.034	0.05	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/21/2018 8:47:00 PM	Coumaphos	n/a	<	0.026	µg/L	EPA 525.2m	0.026	0.05	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/22/2018 7:02:00 PM	Cyanazine	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/17/2018 8:40:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/17/2018 8:40:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/25/2018 3:59:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/21/2018 8:47:00 PM	Demeton-O	n/a	<	0.05	µg/L	EPA 525.2m	0.05	0.05	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/21/2018 8:47:00 PM	Demeton-S	n/a	<	0.05	µg/L	EPA 525.2m	0.05	0.05	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/22/2018 7:02:00 PM	Diazinon	n/a	<	0.48	µg/L	EPA 525.2	0.48	0.5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/21/2018 8:47:00 PM	Diazinon	n/a	<	0.026	µg/L	EPA 525.2m	0.026	0.05	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/17/2018 8:40:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/17/2018 8:40:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/21/2018 8:47:00 PM	Dichlorvos	n/a	<	0.014	µg/L	EPA 525.2m	0.014	0.05	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/25/2018 3:59:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/22/2018 7:02:00 PM	Dimethoate	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/21/2018 8:47:00 PM	Dimethoate	n/a	<	0.031	µg/L	EPA 525.2m	0.031	0.05	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/17/2018 8:40:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/22/2018 7:02:00 PM	Diphenamid	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/21/2018 8:47:00 PM	Disulfoton	n/a	<	0.05	µg/L	EPA 525.2m	0.05	0.05	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/22/2018 7:02:00 PM	Disulfoton	n/a	<	0.16	µg/L	EPA 525.2	0.16	0.5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/25/2018 3:59:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/25/2018 3:59:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/25/2018 3:59:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/25/2018 3:59:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/25/2018 3:59:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/22/2018 7:02:00 PM	EPTC	n/a	<	0.085	µg/L	EPA 525.2	0.085	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/21/2018 8:47:00 PM	Ethoprop	n/a	<	0.034	µg/L	EPA 525.2m	0.034	0.05	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/21/2018 8:47:00 PM	Ethyl parathion	n/a	<	0.027	µg/L	EPA 525.2m	0.027	0.05	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/21/2018 8:47:00 PM	Fensulfothion	n/a	<	0.014	µg/L	EPA 525.2m	0.014	0.05	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/21/2018 8:47:00 PM	Fenthion	n/a	<	0.019	µg/L	EPA 525.2m	0.019	0.05	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/25/2018 3:59:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/25/2018 3:59:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/23/2018 12:24:00 AM	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/25/2018 3:59:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/25/2018 3:59:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/21/2018 8:47:00 PM	Malathion	n/a	<	0.038	µg/L	EPA 525.2m	0.038	0.05	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/21/2018 8:47:00 PM	Merphos	n/a	<	0.029	µg/L	EPA 525.2m	0.029	0.05	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/25/2018 3:59:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/21/2018 8:47:00 PM	Methyl parathion	n/a	<	0.032	µg/L	EPA 525.2m	0.032	0.05	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/22/2018 7:02:00 PM	Metolachlor	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/22/2018 7:02:00 PM	Metribuzin	n/a	<	0.075	µg/L	EPA 525.2	0.075	0.5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/21/2018 8:47:00 PM	Mevinphos	n/a	<	0.021	µg/L	EPA 525.2m	0.021	0.05	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/22/2018 7:02:00 PM	Molinate	n/a	<	0.2	µg/L	EPA 525.2	0.2	0.5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/21/2018 8:47:00 PM	Naled	n/a	<	0.038	µg/L	EPA 525.2m	0.038	0.05	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/23/2018 9:16:00 AM	Pentachlorophenol	n/a	<	0.75	µg/L	EPA 8270C	0.75	5	WKL	EST-LCSRPD
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/22/2018 7:13:00 AM	Pentachlorophenol	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/17/2018 8:40:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/21/2018 8:47:00 PM	Phorate	n/a	<	0.015	µg/L	EPA 525.2m	0.015	0.05	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/17/2018 8:40:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/22/2018 7:02:00 PM	Prometon	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	EST-LCSRPD
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/22/2018 7:02:00 PM	Prometryn	n/a	<	0.18	µg/L	EPA 525.2	0.18	0.5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/21/2018 8:47:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.02	µg/L	EPA 525.2m	0.02	0.05	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/22/2018 7:02:00 PM	Simazine	n/a	<	0.075	µg/L	EPA 525.2	0.075	0.5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/21/2018 8:47:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.016	µg/L	EPA 525.2m	0.016	0.05	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/22/2018 7:02:00 PM	Terbacil	n/a	<	2.8	µg/L	EPA 525.2	2.8	10	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/22/2018 7:02:00 PM	Thiobencarb	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/21/2018 8:47:00 PM	Tokuthion	n/a	<	0.039	µg/L	EPA 525.2m	0.039	0.05	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/25/2018 3:59:00 AM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/21/2018 8:47:00 PM	Trichloronate	n/a	<	0.034	µg/L	EPA 525.2m	0.034	0.05	WKL	
MO-HUE	2017/18-3	Wet	3/11/2018 10:55:00 AM	3/22/2018 7:02:00 PM	Trithion	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.5	WKL	
MO-HUE	2017/18-4	Wet	3/21/2018 11:25:00 AM	3/22/2018 6:45:00 AM	E. Coli	n/a	=	12033	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-HUE	2017/18-4	Wet	3/21/2018 11:25:00 AM	3/25/2018 9:50:00 AM	Fecal Coliform	n/a	=	17000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-HUE	2017/18-4	Wet	3/21/2018 11:25:00 AM	3/22/2018 6:45:00 AM	Total Coliform	n/a	=	111990	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-HUE	2017/18-4	Wet	3/21/2018 11:25:00 AM	3/21/2018 11:25:00 AM	Conductivity	n/a	=	299.9	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-HUE	2017/18-4	Wet	3/21/2018 11:25:00 AM	3/30/2018 8:15:00 PM	Cyanide	Total	=	0.06	mg/L	ASTM D7511	0.0048	0.02	WKL	
MO-HUE	2017/18-4	Wet	3/21/2018 11:25:00 AM	3/21/2018 11:25:00 AM	DO	n/a	=	81.5	%	Field Meter	-88	0.1	Field Crew	
MO-HUE	2017/18-4	Wet	3/21/2018 11:25:00 AM	3/21/2018 11:25:00 AM	DO	n/a	=	8.43	mg/L	Field Meter	-88	0.3	Field Crew	
MO-HUE	2017/18-4	Wet	3/21/2018 11:25:00 AM	3/21/2018 11:25:00 AM	pH	n/a	=	6.94	pH Units	Field Meter	-88	0.01	Field Crew	
MO-HUE	2017/18-4	Wet	3/21/2018 11:25:00 AM	3/21/2018 11:25:00 AM	Salinity	n/a	=	200	mg/L	Field Meter	-88	100	Field Crew	
MO-HUE	2017/18-4	Wet	3/21/2018 11:25:00 AM	3/21/2018 11:25:00 AM	Specific Conductance	n/a	=	373.3	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-HUE	2017/18-4	Wet	3/21/2018 11:25:00 AM	3/21/2018 11:25:00 AM	Temperature	n/a	=	13.6	°C	Field Meter	-88	0.1	Field Crew	
MO-HUE	2017/18-4	Wet	3/21/2018 11:25:00 AM	3/23/2018 7:49:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
MO-HUE	2017/18-4	Wet	3/21/2018 11:25:00 AM	4/4/2018 2:40:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-HUE	2017/18-4	Wet	3/21/2018 11:25:00 AM	3/23/2018 11:43:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2017/18-4	Wet	3/21/2018 11:25:00 AM	3/23/2018 11:43:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	3/25/2018 12:00:00 PM	Chloride	n/a	=	940	mg/L	EPA 300.0	2	10	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	3/25/2018 12:00:00 PM	Fluoride	n/a	DNQ	0.22	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	3/27/2018 8:47:00 AM	Perchlorate	n/a	<	9.5	µg/L	EPA 314.0	9.5	20	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	3/25/2018 12:00:00 PM	Sulfate	Total	=	300	mg/L	EPA 300.0	0.5	2.5	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/4/2018 8:12:00 AM	Calcium	Total	=	66.3	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/4/2018 8:12:00 AM	Magnesium	Total	=	72.9	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/4/2018 8:12:00 AM	Potassium	Total	=	26	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/4/2018 8:12:00 AM	Sodium	Total	=	500	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	3/25/2018 1:06:00 PM	Alkalinity as CaCO3	n/a	=	89	mg/L	SM 2320 B	0.56	2	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	3/28/2018 2:10:00 PM	BOD	n/a	=	3.9	mg/L	SM 5210 B	2	2	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/3/2018 3:09:00 PM	COD	n/a	=	19	mg/L	EPA 410.4	0.73	5	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/2/2018 3:35:00 PM	Dissolved Inorganic Carbon	Dissolved	=	20	mg/L	SM 5310 B	0.5	0.5	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/2/2018 2:56:00 PM	Dissolved Organic Carbon	Dissolved	=	5	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/4/2018 8:12:00 AM	Hardness as CaCO3	Total	=	466	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	3/22/2018 8:17:00 PM	MBAS	n/a	=	0.081	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/4/2018 4:18:00 PM	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	3/27/2018 1:15:00 PM	Specific Conductance	n/a	=	4100	µmhos/cm	SM 2510 B	0.94	8	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	3/28/2018 5:53:00 PM	Total Dissolved Solids	n/a	=	2100	mg/L	SM 2540 C	4	10	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	3/29/2018 12:10:00 PM	Total Organic Carbon	n/a	=	5	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	3/26/2018 8:00:00 PM	Total Suspended Solids	n/a	=	94	mg/L	SM 2540 D	-88	5	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	3/23/2018 8:39:00 AM	Turbidity	n/a	=	12	NTU	EPA 180.1	0.024	0.1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	3/26/2018 8:00:00 PM	Volatile Suspended Solids	n/a	=	24	mg/L	EPA 160.4	3.1	5	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/2/2018 7:12:00 PM	Diesel Range Organics	n/a	DNQ	0.069	mg/L	EPA 8015D	0.024	0.1	WKL	UL-MB
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/2/2018 7:12:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/13/2018 12:28:00 PM	Aluminum	Dissolved	DNQ	4.8	µg/L	EPA 200.8	1.3	5	WKL	UL-MB
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/13/2018 12:32:00 PM	Aluminum	Total	=	180	µg/L	EPA 200.8	1.3	5	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/13/2018 12:28:00 PM	Antimony	Dissolved	DNQ	0.32	µg/L	EPA 200.8	0.045	0.5	WKL	UL-MB
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/13/2018 12:32:00 PM	Antimony	Total	DNQ	0.42	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/13/2018 12:28:00 PM	Arsenic	Dissolved	=	0.63	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/13/2018 12:32:00 PM	Arsenic	Total	=	0.98	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/13/2018 12:32:00 PM	Barium	Total	=	25	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/13/2018 12:28:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/13/2018 12:32:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/13/2018 12:28:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/13/2018 12:32:00 PM	Cadmium	Total	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/13/2018 12:28:00 PM	Chromium	Dissolved	=	0.38	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/13/2018 12:32:00 PM	Chromium	Total	=	0.74	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	3/27/2018 4:47:00 PM	Chromium VI	n/a	=	0.063	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/13/2018 12:28:00 PM	Copper	Dissolved	=	2.1	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/13/2018 12:32:00 PM	Copper	Total	=	4.1	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/3/2018 7:08:00 PM	Iron	Dissolved	=	36	µg/L	EPA 200.7	1.1	10	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/4/2018 8:12:00 AM	Iron	Total	=	630	µg/L	EPA 200.7	1.1	10	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/13/2018 12:28:00 PM	Lead	Dissolved	DNQ	0.1	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/13/2018 12:32:00 PM	Lead	Total	=	0.69	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/17/2018 12:20:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/17/2018 12:22:00 PM	Mercury	Total	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/13/2018 12:28:00 PM	Nickel	Dissolved	=	0.95	µg/L	EPA 200.8	0.045	0.8	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/13/2018 12:32:00 PM	Nickel	Total	=	1.4	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/13/2018 12:28:00 PM	Selenium	Dissolved	DNQ	0.2	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/13/2018 12:32:00 PM	Selenium	Total	DNQ	0.3	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/13/2018 12:28:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/13/2018 12:32:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/13/2018 12:28:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/13/2018 12:32:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/13/2018 12:28:00 PM	Zinc	Dissolved	=	6.6	µg/L	EPA 200.8	0.94	5	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/13/2018 12:32:00 PM	Zinc	Total	=	13	µg/L	EPA 200.8	0.94	5	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	3/29/2018 6:17:00 PM	Ammonia as N	n/a	=	0.35	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	3/25/2018 11:10:00 AM	Nitrate + Nitrite as N	n/a	=	0.28	mg/L	EPA 353.2	0.083	0.2	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/3/2018 12:17:00 PM	Phosphorus as P	Dissolved	=	0.094	mg/L	EPA 365.1	0.0028	0.02	WKL	UL-MB
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	3/30/2018 1:09:00 PM	Phosphorus as P	Total	=	0.21	mg/L	EPA 365.1	0.0056	0.04	WKL	LB-MSR
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/2/2018 4:56:00 PM	TKN	n/a	=	0.71	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/5/2018 8:33:00 PM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/5/2018 8:33:00 PM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/5/2018 8:33:00 PM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/5/2018 8:33:00 PM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/5/2018 8:33:00 PM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	3/30/2018 4:36:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/10/2018 8:02:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/10/2018 8:02:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/5/2018 8:33:00 PM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/10/2018 8:02:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/5/2018 8:33:00 PM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/10/2018 8:02:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	L-CSRPD, LB-L
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/5/2018 8:33:00 PM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/10/2018 8:02:00 PM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/5/2018 8:33:00 PM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/5/2018 8:33:00 PM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/5/2018 8:33:00 PM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/5/2018 8:33:00 PM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/5/2018 8:33:00 PM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/10/2018 8:02:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	3/30/2018 4:36:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/10/2018 8:02:00 PM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/10/2018 8:02:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/5/2018 8:33:00 PM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/5/2018 8:33:00 PM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/10/2018 8:02:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/5/2018 8:33:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/10/2018 8:02:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/5/2018 8:33:00 PM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/5/2018 8:33:00 PM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/10/2018 8:02:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/5/2018 8:33:00 PM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/10/2018 8:02:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/5/2018 8:33:00 PM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	3/30/2018 4:36:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/5/2018 8:33:00 PM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/5/2018 8:33:00 PM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	3/30/2018 4:36:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/5/2018 8:33:00 PM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	3/30/2018 4:36:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/5/2018 8:33:00 PM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	3/30/2018 4:36:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/5/2018 8:33:00 PM	Benidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	3/30/2018 4:36:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/4/2018 7:28:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/5/2018 8:33:00 PM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/5/2018 8:33:00 PM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	3/30/2018 4:36:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/5/2018 8:33:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	3/30/2018 4:36:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/5/2018 8:33:00 PM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	3/30/2018 4:36:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/5/2018 8:33:00 PM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/5/2018 8:33:00 PM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/5/2018 8:33:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/4/2018 7:28:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/4/2018 7:28:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/5/2018 8:33:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/5/2018 8:33:00 PM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/5/2018 8:33:00 PM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	3/30/2018 4:36:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/5/2018 8:33:00 PM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	3/30/2018 4:36:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/5/2018 8:33:00 PM	Diethyl phthalate	n/a	DNQ	0.28	µg/L	EPA 625	0.15	1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/5/2018 8:33:00 PM	Dimethyl phthalate	n/a	=	2.4	µg/L	EPA 625	0.18	1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/5/2018 8:33:00 PM	Di-n-butylphthalate	n/a	DNQ	0.25	µg/L	EPA 625	0.24	1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/5/2018 8:33:00 PM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/5/2018 8:33:00 PM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	3/30/2018 4:36:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/5/2018 8:33:00 PM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	3/30/2018 4:36:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/5/2018 8:33:00 PM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/5/2018 8:33:00 PM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/5/2018 8:33:00 PM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/5/2018 8:33:00 PM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/5/2018 8:33:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	3/30/2018 4:36:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/5/2018 8:33:00 PM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/5/2018 8:33:00 PM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	3/30/2018 4:36:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/5/2018 8:33:00 PM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/5/2018 8:33:00 PM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/5/2018 8:33:00 PM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/5/2018 8:33:00 PM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/5/2018 8:33:00 PM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	3/30/2018 4:36:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/5/2018 8:33:00 PM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/10/2018 8:02:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/5/2018 8:33:00 PM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	3/30/2018 4:36:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/2/2018 7:59:00 PM	PCB Aroclor 1016	n/a	<	0.1	µg/L	EPA 608	0.1	1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/2/2018 7:59:00 PM	PCB Aroclor 1221	n/a	<	0.12	µg/L	EPA 608	0.12	1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/2/2018 7:59:00 PM	PCB Aroclor 1232	n/a	<	0.3	µg/L	EPA 608	0.3	1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/2/2018 7:59:00 PM	PCB Aroclor 1242	n/a	<	0.14	µg/L	EPA 608	0.14	1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/2/2018 7:59:00 PM	PCB Aroclor 1248	n/a	<	0.12	µg/L	EPA 608	0.12	1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/2/2018 7:59:00 PM	PCB Aroclor 1254	n/a	<	0.08	µg/L	EPA 608	0.08	1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/2/2018 7:59:00 PM	PCB Aroclor 1260	n/a	<	0.08	µg/L	EPA 608	0.08	1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	3/27/2018 4:18:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	3/27/2018 4:18:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	3/27/2018 4:18:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	3/27/2018 4:18:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	3/27/2018 4:18:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/2/2018 7:59:00 PM	4,4'-DDD	n/a	<	0.006	µg/L	EPA 608	0.006	0.1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/2/2018 7:59:00 PM	4,4'-DDE	n/a	<	0.005	µg/L	EPA 608	0.005	0.1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/2/2018 7:59:00 PM	4,4'-DDT	n/a	<	0.0062	µg/L	EPA 608	0.0062	0.02	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	3/27/2018 4:18:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/4/2018 7:28:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/2/2018 7:59:00 PM	Aldrin	n/a	<	0.003	µg/L	EPA 608	0.003	0.01	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/2/2018 7:59:00 PM	alpha-BHC	n/a	<	0.0036	µg/L	EPA 608	0.0036	0.02	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/2/2018 7:59:00 PM	alpha-Chlordane	n/a	<	0.0082	µg/L	EPA 608	0.0082	0.02	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/4/2018 7:28:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	3/30/2018 8:18:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	3/27/2018 4:18:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/2/2018 7:59:00 PM	beta-BHC	n/a	<	0.0062	µg/L	EPA 608	0.0062	0.01	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	3/30/2018 8:18:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/4/2018 7:28:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/4/2018 7:28:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/4/2018 7:28:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/2/2018 7:59:00 PM	Chlordane (technical)	n/a	<	0.16	µg/L	EPA 608	0.16	0.2	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/4/2018 7:28:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	3/30/2018 8:18:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	3/30/2018 8:18:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/4/2018 7:28:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	3/27/2018 4:18:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	3/27/2018 4:18:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/2/2018 7:59:00 PM	delta-BHC	n/a	<	0.005	µg/L	EPA 608	0.005	0.01	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	3/30/2018 8:18:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	3/30/2018 8:18:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	3/30/2018 8:18:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/4/2018 7:28:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	3/27/2018 4:18:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	3/27/2018 4:18:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	3/30/2018 8:18:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/2/2018 7:59:00 PM	Dieldrin	n/a	<	0.0042	µg/L	EPA 608	0.0042	0.02	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/4/2018 7:28:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	3/30/2018 8:18:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	3/27/2018 4:18:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/4/2018 7:28:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/4/2018 7:28:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	3/30/2018 8:18:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/2/2018 7:59:00 PM	Endosulfan I	n/a	<	0.0034	µg/L	EPA 608	0.0034	0.04	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/2/2018 7:59:00 PM	Endosulfan II	n/a	<	0.0038	µg/L	EPA 608	0.0038	0.02	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/2/2018 7:59:00 PM	Endosulfan sulfate	n/a	<	0.016	µg/L	EPA 608	0.016	0.1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/2/2018 7:59:00 PM	Endrin	n/a	<	0.0056	µg/L	EPA 608	0.0056	0.02	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/2/2018 7:59:00 PM	Endrin aldehyde	n/a	<	0.006	µg/L	EPA 608	0.006	0.02	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/4/2018 7:28:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	3/30/2018 8:18:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	3/30/2018 8:18:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	3/30/2018 8:18:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	3/30/2018 8:18:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/2/2018 7:59:00 PM	gamma-BHC (Lindane)	n/a	<	0.0042	µg/L	EPA 608	0.0042	0.04	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/2/2018 7:59:00 PM	gamma-Chlordane	n/a	<	0.0088	µg/L	EPA 608	0.0088	0.02	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	3/26/2018 4:42:00 PM	Glyphosate	n/a	DNQ	1.9	µg/L	EPA 547	1.8	5	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/2/2018 7:59:00 PM	Heptachlor	n/a	<	0.0034	µg/L	EPA 608	0.0034	0.02	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/2/2018 7:59:00 PM	Heptachlor epoxide	n/a	<	0.0038	µg/L	EPA 608	0.0038	0.02	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	3/30/2018 8:18:00 PM	Malathion	n/a	=	0.013	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	3/30/2018 8:18:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/2/2018 7:59:00 PM	Methoxychlor	n/a	<	0.011	µg/L	EPA 608	0.011	0.04	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	3/30/2018 8:18:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/4/2018 7:28:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/4/2018 7:28:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	3/30/2018 8:18:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/4/2018 7:28:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	3/30/2018 8:18:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	3/27/2018 4:18:00 AM	Pentachlorophenol	n/a	DNQ	0.053	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/5/2018 8:33:00 PM	Pentachlorophenol	n/a	DNQ	0.82	µg/L	EPA 625	0.19	1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/10/2018 8:02:00 PM	Pentachlorophenol	n/a	DNQ	0.63	µg/L	EPA 8270C	0.15	1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	3/30/2018 8:18:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	3/27/2018 4:18:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/4/2018 7:28:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/4/2018 7:28:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	3/30/2018 8:18:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/4/2018 7:28:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	3/30/2018 8:18:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	EST-MSRPD
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/4/2018 7:28:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/4/2018 7:28:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	3/30/2018 8:18:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/2/2018 7:59:00 PM	Toxaphene	n/a	<	0.24	µg/L	EPA 608	0.24	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	3/30/2018 8:18:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-HUE	2017/18-4	Wet	3/22/2018 8:20:00 AM	4/4/2018 7:28:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/4/2018 10:00:00 AM	Chloride	n/a	=	4000	mg/L	EPA 300.0	6	30	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/4/2018 10:00:00 AM	Fluoride	n/a	=	0.54	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/7/2018 6:38:00 AM	Perchlorate	n/a	<	19	µg/L	EPA 314.0	19	40	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/4/2018 10:00:00 AM	Sulfate	Total	=	960	mg/L	EPA 300.0	2	10	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/7/2018 11:51:00 AM	Calcium	Total	=	320	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/7/2018 11:51:00 AM	Magnesium	Total	=	420	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/7/2018 11:51:00 AM	Potassium	Total	=	160	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/7/2018 11:51:00 AM	Sodium	Total	=	2200	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	5/31/2018 1:09:00 PM	Alkalinity as CaCO3	n/a	=	350	mg/L	SM 2320 B	0.56	2	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/5/2018 5:18:00 PM	BOD	n/a	=	8.2	mg/L	SM 5210 B	2	2	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/7/2018 1:47:00 PM	COD	n/a	=	80	mg/L	EPA 410.4	0.73	5	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/12/2018 11:30:00 AM	Dissolved Inorganic Carbon	Dissolved	=	84	mg/L	SM 5310 B	0.5	0.5	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/6/2018 3:22:00 PM	Dissolved Organic Carbon	Dissolved	=	6.8	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/7/2018 11:51:00 AM	Hardness as CaCO3	Total	=	2530	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	5/31/2018 7:53:00 PM	MBAS	n/a	=	0.055	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/12/2018 2:31:00 PM	Phenolics	n/a	=	0.062	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/13/2018 6:49:00 PM	Specific Conductance	n/a	=	19000	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/6/2018 12:35:00 PM	Total Dissolved Solids	n/a	=	12000	mg/L	SM 2540 C	4	10	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/5/2018 12:33:00 PM	Total Organic Carbon	n/a	=	7.8	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/4/2018 9:08:00 PM	Total Suspended Solids	n/a	=	21	mg/L	SM 2540 D	-88	5	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	5/31/2018 1:08:00 PM	Turbidity	n/a	=	11	NTU	EPA 180.1	0.024	0.1	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/4/2018 8:17:00 PM	Volatile Suspended Solids	n/a	=	13	mg/L	EPA 160.4	3.1	5	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/4/2018 9:08:00 PM	Diesel Range Organics	n/a	=	0.1	mg/L	EPA 8015D	0.024	0.1	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/4/2018 9:08:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/8/2018 5:01:00 PM	Aluminum	Dissolved	<	5.2	µg/L	EPA 200.8	5.2	20	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/8/2018 5:08:00 PM	Aluminum	Total	=	28	µg/L	EPA 200.8	5.2	20	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/8/2018 5:01:00 PM	Antimony	Dissolved	<	0.18	µg/L	EPA 200.8	0.18	2	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/8/2018 5:08:00 PM	Antimony	Total	<	0.18	µg/L	EPA 200.8	0.18	2	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/8/2018 5:01:00 PM	Arsenic	Dissolved	=	3.1	µg/L	EPA 200.8	0.3	1.6	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/8/2018 5:08:00 PM	Arsenic	Total	=	3.7	µg/L	EPA 200.8	0.3	1.6	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/8/2018 5:08:00 PM	Barium	Total	=	89	µg/L	EPA 200.8	0.28	2	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/8/2018 5:01:00 PM	Beryllium	Dissolved	<	0.13	µg/L	EPA 200.8	0.13	0.4	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/8/2018 5:08:00 PM	Beryllium	Total	<	0.13	µg/L	EPA 200.8	0.13	0.4	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/8/2018 5:01:00 PM	Cadmium	Dissolved	=	0.4	µg/L	EPA 200.8	0.16	0.4	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/8/2018 5:08:00 PM	Cadmium	Total	=	0.4	µg/L	EPA 200.8	0.16	0.4	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/13/2018 7:08:00 PM	Chromium	Dissolved	DNQ	0.24	µg/L	EPA 200.8	0.14	0.8	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/13/2018 7:12:00 PM	Chromium	Total	DNQ	0.16	µg/L	EPA 200.8	0.14	0.8	WKL	UL-MB
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/8/2018 3:27:00 PM	Chromium VI	n/a	<	0.096	µg/L	EPA 218.6	0.096	0.4	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/13/2018 7:08:00 PM	Copper	Dissolved	DNQ	0.52	µg/L	EPA 200.8	0.52	2	WKL	UL-MB
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/13/2018 7:12:00 PM	Copper	Total	=	3.7	µg/L	EPA 200.8	0.52	2	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/7/2018 11:25:00 AM	Iron	Dissolved	DNQ	5	µg/L	EPA 200.7	1.1	10	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/7/2018 11:51:00 AM	Iron	Total	=	990	µg/L	EPA 200.7	1.1	10	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/8/2018 5:01:00 PM	Lead	Dissolved	<	0.12	µg/L	EPA 200.8	0.12	0.8	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/8/2018 5:08:00 PM	Lead	Total	DNQ	0.16	µg/L	EPA 200.8	0.12	0.8	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/12/2018 5:14:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/12/2018 5:16:00 PM	Mercury	Total	<	17	ng/L	EPA 245.1	17	50	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/8/2018 5:01:00 PM	Nickel	Dissolved	DNQ	2	µg/L	EPA 200.8	0.18	3.2	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/8/2018 5:08:00 PM	Nickel	Total	DNQ	2	µg/L	EPA 200.8	0.18	3.2	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/8/2018 5:01:00 PM	Selenium	Dissolved	<	0.56	µg/L	EPA 200.8	0.56	1.6	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/8/2018 5:08:00 PM	Selenium	Total	<	0.56	µg/L	EPA 200.8	0.56	1.6	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/8/2018 5:01:00 PM	Silver	Dissolved	<	0.25	µg/L	EPA 200.8	0.25	0.8	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/8/2018 5:08:00 PM	Silver	Total	<	0.25	µg/L	EPA 200.8	0.25	0.8	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/8/2018 5:01:00 PM	Thallium	Dissolved	<	0.056	µg/L	EPA 200.8	0.056	0.8	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/8/2018 5:08:00 PM	Thallium	Total	<	0.056	µg/L	EPA 200.8	0.056	0.8	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/8/2018 5:01:00 PM	Zinc	Dissolved	<	3.8	µg/L	EPA 200.8	3.8	20	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/8/2018 5:08:00 PM	Zinc	Total	DNQ	4	µg/L	EPA 200.8	3.8	20	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	5/31/2018 6:42:00 PM	Ammonia as N	n/a	=	0.56	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/12/2018 12:21:00 PM	Nitrate + Nitrite as N	n/a	<	0.083	mg/L	EPA 353.2	0.083	0.2	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/27/2018 12:08:00 PM	Phosphorus as P	Dissolved	=	0.54	mg/L	EPA 365.1	0.007	0.05	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/20/2018 1:00:00 PM	Phosphorus as P	Total	=	0.89	mg/L	EPA 365.1	0.007	0.05	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/7/2018 4:39:00 PM	TKN	n/a	=	2.1	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/8/2018 5:21:00 AM	1,2,4-Trichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/8/2018 5:21:00 AM	1,2-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/8/2018 5:21:00 AM	1,2-Diphenylhydrazine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/8/2018 5:21:00 AM	1,3-Dichlorobenzene	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/8/2018 5:21:00 AM	1,4-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/13/2018 6:04:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/12/2018 10:08:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/12/2018 10:08:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/8/2018 5:21:00 AM	2,4,6-Trichlorophenol	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/12/2018 10:08:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/8/2018 5:21:00 AM	2,4-Dichlorophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/12/2018 10:08:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/8/2018 5:21:00 AM	2,4-Dimethylphenol	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/12/2018 10:08:00 PM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/8/2018 5:21:00 AM	2,4-Dinitrophenol	n/a	<	7.9	µg/L	EPA 625	7.9	50	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/8/2018 5:21:00 AM	2,4-Dinitrotoluene	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/8/2018 5:21:00 AM	2,6-Dinitrotoluene	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/8/2018 5:21:00 AM	2-Chloronaphthalene	n/a	<	2.2	µg/L	EPA 625	2.2	5	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/8/2018 5:21:00 AM	2-Chlorophenol	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/12/2018 10:08:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/13/2018 6:04:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/12/2018 10:08:00 PM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/12/2018 10:08:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/8/2018 5:21:00 AM	2-Nitrophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/8/2018 5:21:00 AM	3,3'-Dichlorobenzidine	n/a	<	6	µg/L	EPA 625	6	25	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/12/2018 10:08:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/18/2018 11:59:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/8/2018 5:21:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	8.6	µg/L	EPA 625	8.6	25	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/8/2018 5:21:00 AM	4-Bromophenyl phenyl ether	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/8/2018 5:21:00 AM	4-Chloro-3-methylphenol	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/12/2018 10:08:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/8/2018 5:21:00 AM	4-Chlorophenyl phenyl ether	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/8/2018 5:21:00 AM	4-Nitrophenol	n/a	<	2.2	µg/L	EPA 625	2.2	25	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/18/2018 11:59:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/8/2018 5:21:00 AM	Acenaphthene	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/13/2018 6:04:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/13/2018 6:04:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/8/2018 5:21:00 AM	Acenaphthylene	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/13/2018 6:04:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/8/2018 5:21:00 AM	Anthracene	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/13/2018 6:04:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/8/2018 5:21:00 AM	Benz(a)anthracene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/8/2018 5:21:00 AM	Benzidine	n/a	<	18	µg/L	EPA 625	18	50	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/7/2018 3:42:00 AM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/13/2018 6:04:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/8/2018 5:21:00 AM	Benzo(a)pyrene	n/a	<	0.65	µg/L	EPA 625	0.65	5	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/8/2018 5:21:00 AM	Benzo(b)fluoranthene	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/13/2018 6:04:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/8/2018 5:21:00 AM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 625	0.5	10	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/13/2018 6:04:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/13/2018 6:04:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/8/2018 5:21:00 AM	Benzo(k)fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/8/2018 5:21:00 AM	Bis(2-chloroethoxy)methane	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/8/2018 5:21:00 AM	Bis(2-chloroethyl)ether	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/8/2018 5:21:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/7/2018 3:42:00 AM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/7/2018 3:42:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/8/2018 5:21:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	12	µg/L	EPA 625	12	25	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/8/2018 5:21:00 AM	Butyl benzyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/13/2018 6:04:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/8/2018 5:21:00 AM	Chrysene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/8/2018 5:21:00 AM	Dibenz(a,h)anthracene	n/a	<	0.4	µg/L	EPA 625	0.4	10	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/13/2018 6:04:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/8/2018 5:21:00 AM	Diethyl phthalate	n/a	<	0.75	µg/L	EPA 625	0.75	5	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/8/2018 5:21:00 AM	Dimethyl phthalate	n/a	DNQ	3.2	µg/L	EPA 625	0.9	5	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/8/2018 5:21:00 AM	Di-n-butylphthalate	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/8/2018 5:21:00 AM	Di-n-octylphthalate	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/13/2018 6:04:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/8/2018 5:21:00 AM	Fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/13/2018 6:04:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/8/2018 5:21:00 AM	Fluorene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/8/2018 5:21:00 AM	Hexachlorobenzene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/8/2018 5:21:00 AM	Hexachlorobutadiene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/8/2018 5:21:00 AM	Hexachlorocyclopentadiene	n/a	<	7.3	µg/L	EPA 625	7.3	25	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/8/2018 5:21:00 AM	Hexachloroethane	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/8/2018 5:21:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.6	µg/L	EPA 625	0.6	10	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/13/2018 6:04:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/8/2018 5:21:00 AM	Isophorone	n/a	<	1	µg/L	EPA 625	1	5	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/8/2018 5:21:00 AM	Naphthalene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/13/2018 6:04:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/8/2018 5:21:00 AM	Nitrobenzene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/8/2018 5:21:00 AM	N-Nitrosodimethylamine	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/8/2018 5:21:00 AM	N-Nitrosodi-N-propylamine	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/8/2018 5:21:00 AM	N-Nitrosodiphenylamine	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/8/2018 5:21:00 AM	Phenanthrene	n/a	<	1.6	µg/L	EPA 625	1.6	5	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/13/2018 6:04:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/12/2018 10:08:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/8/2018 5:21:00 AM	Phenol	n/a	<	0.8	µg/L	EPA 625	0.8	5	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/13/2018 6:04:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/8/2018 5:21:00 AM	Pyrene	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/11/2018 8:31:00 PM	PCB Aroclor 1016	n/a	<	0.5	µg/L	EPA 608	0.5	5	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/11/2018 8:31:00 PM	PCB Aroclor 1221	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/11/2018 8:31:00 PM	PCB Aroclor 1232	n/a	<	1.5	µg/L	EPA 608	1.5	5	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/11/2018 8:31:00 PM	PCB Aroclor 1242	n/a	<	0.7	µg/L	EPA 608	0.7	5	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/11/2018 8:31:00 PM	PCB Aroclor 1248	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/11/2018 8:31:00 PM	PCB Aroclor 1254	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/11/2018 8:31:00 PM	PCB Aroclor 1260	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/12/2018 9:24:00 PM	2,4,5-T	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/12/2018 9:24:00 PM	2,4,5-TP	n/a	<	0.18	µg/L	EPA 515.3	0.18	0.4	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/12/2018 9:24:00 PM	2,4-D	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.8	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/12/2018 9:24:00 PM	2,4-DB	n/a	<	0.14	µg/L	EPA 515.3	0.14	4	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/12/2018 9:24:00 PM	3,5-Dichlorobenzoic acid	n/a	<	0.18	µg/L	EPA 515.3	0.18	2	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/11/2018 8:31:00 PM	4,4'-DDD	n/a	<	0.03	µg/L	EPA 608	0.03	0.5	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/11/2018 8:31:00 PM	4,4'-DDE	n/a	<	0.025	µg/L	EPA 608	0.025	0.5	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/11/2018 8:31:00 PM	4,4'-DDT	n/a	<	0.031	µg/L	EPA 608	0.031	0.1	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/12/2018 9:24:00 PM	Acifluorfen	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.8	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/7/2018 3:42:00 AM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/11/2018 8:31:00 PM	Aldrin	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/11/2018 8:31:00 PM	alpha-BHC	n/a	<	0.018	µg/L	EPA 608	0.018	0.1	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/11/2018 8:31:00 PM	alpha-Chlordane	n/a	<	0.041	µg/L	EPA 608	0.041	0.1	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/7/2018 3:42:00 AM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/14/2018 9:39:00 AM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/12/2018 9:24:00 PM	Bentazon	n/a	<	0.22	µg/L	EPA 515.3	0.22	4	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/11/2018 8:31:00 PM	beta-BHC	n/a	<	0.031	µg/L	EPA 608	0.031	0.05	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/14/2018 9:39:00 AM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/7/2018 3:42:00 AM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/7/2018 3:42:00 AM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/7/2018 3:42:00 AM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/11/2018 8:31:00 PM	Chlordane (technical)	n/a	<	0.8	µg/L	EPA 608	0.8	1	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/7/2018 3:42:00 AM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/14/2018 9:39:00 AM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/14/2018 9:39:00 AM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/7/2018 3:42:00 AM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/12/2018 9:24:00 PM	Dalapon	n/a	<	0.2	µg/L	EPA 515.3	0.2	0.8	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/12/2018 9:24:00 PM	DCPA (Dacthal)	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.2	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/11/2018 8:31:00 PM	delta-BHC	n/a	<	0.025	µg/L	EPA 608	0.025	0.05	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/14/2018 9:39:00 AM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/14/2018 9:39:00 AM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/14/2018 9:39:00 AM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/7/2018 3:42:00 AM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/12/2018 9:24:00 PM	Dicamba	n/a	<	0.24	µg/L	EPA 515.3	0.24	1.2	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/12/2018 9:24:00 PM	Dichlorprop	n/a	<	0.16	µg/L	EPA 515.3	0.16	0.6	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/14/2018 9:39:00 AM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/11/2018 8:31:00 PM	Dieldrin	n/a	<	0.021	µg/L	EPA 608	0.021	0.1	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/7/2018 3:42:00 AM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/14/2018 9:39:00 AM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/12/2018 9:24:00 PM	Dinoseb	n/a	<	0.28	µg/L	EPA 515.3	0.28	0.8	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/7/2018 3:42:00 AM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/14/2018 9:39:00 AM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/7/2018 3:42:00 AM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/11/2018 8:31:00 PM	Endosulfan I	n/a	<	0.017	µg/L	EPA 608	0.017	0.2	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/11/2018 8:31:00 PM	Endosulfan II	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/11/2018 8:31:00 PM	Endosulfan sulfate	n/a	<	0.08	µg/L	EPA 608	0.08	0.5	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/11/2018 8:31:00 PM	Endrin	n/a	<	0.028	µg/L	EPA 608	0.028	0.1	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/11/2018 8:31:00 PM	Endrin aldehyde	n/a	<	0.03	µg/L	EPA 608	0.03	0.1	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/7/2018 3:42:00 AM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/14/2018 9:39:00 AM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/14/2018 9:39:00 AM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/14/2018 9:39:00 AM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/14/2018 9:39:00 AM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/11/2018 8:31:00 PM	gamma-BHC (Lindane)	n/a	<	0.021	µg/L	EPA 608	0.021	0.2	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/11/2018 8:31:00 PM	gamma-Chlordane	n/a	<	0.044	µg/L	EPA 608	0.044	0.1	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/12/2018 3:24:00 PM	Glyphosate	n/a	<	3.6	µg/L	EPA 547	3.6	10	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/11/2018 8:31:00 PM	Heptachlor	n/a	<	0.017	µg/L	EPA 608	0.017	0.1	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/11/2018 8:31:00 PM	Heptachlor epoxide	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/14/2018 9:39:00 AM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/14/2018 9:39:00 AM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/11/2018 8:31:00 PM	Methoxychlor	n/a	<	0.054	µg/L	EPA 608	0.054	0.2	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/14/2018 9:39:00 AM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/7/2018 3:42:00 AM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/7/2018 3:42:00 AM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/14/2018 9:39:00 AM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/7/2018 3:42:00 AM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/14/2018 9:39:00 AM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/12/2018 9:24:00 PM	Pentachlorophenol	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.4	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/8/2018 5:21:00 AM	Pentachlorophenol	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/18/2018 11:59:00 PM	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/14/2018 9:39:00 AM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/12/2018 9:24:00 PM	Picloram	n/a	<	0.1	µg/L	EPA 515.3	0.1	1.2	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/7/2018 3:42:00 AM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/7/2018 3:42:00 AM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/14/2018 9:39:00 AM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/7/2018 3:42:00 AM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/14/2018 9:39:00 AM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/7/2018 3:42:00 AM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/7/2018 3:42:00 AM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/14/2018 9:39:00 AM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/11/2018 8:31:00 PM	Toxaphene	n/a	<	1.2	µg/L	EPA 608	1.2	5	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/14/2018 9:39:00 AM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:45:00 PM	6/7/2018 3:42:00 AM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:55:00 PM	5/31/2018 8:00:00 AM	E. Coli	n/a	=	959	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-HUE	2017/18-5	Dry	5/30/2018 12:55:00 PM	5/31/2018 8:00:00 AM	Total Coliform	n/a	=	173290	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-HUE	2017/18-5	Dry	5/30/2018 12:55:00 PM	5/30/2018 12:55:00 PM	Conductivity	n/a	=	14190	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-HUE	2017/18-5	Dry	5/30/2018 12:55:00 PM	6/7/2018 6:23:00 PM	Cyanide	Total	DNQ	0.0005	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:55:00 PM	5/30/2018 12:55:00 PM	DO	n/a	=	224	%	Field Meter	-88	0.1	Field Crew	
MO-HUE	2017/18-5	Dry	5/30/2018 12:55:00 PM	5/30/2018 12:55:00 PM	DO	n/a	=	19.6	mg/L	Field Meter	-88	0.3	Field Crew	
MO-HUE	2017/18-5	Dry	5/30/2018 12:55:00 PM	5/30/2018 12:55:00 PM	pH	n/a	=	8.2	pH Units	Field Meter	-88	0.01	Field Crew	
MO-HUE	2017/18-5	Dry	5/30/2018 12:55:00 PM	5/30/2018 12:55:00 PM	Salinity	n/a	=	8900	mg/L	Field Meter	-88	100	Field Crew	
MO-HUE	2017/18-5	Dry	5/30/2018 12:55:00 PM	5/30/2018 12:55:00 PM	Specific Conductance	n/a	=	15230	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-HUE	2017/18-5	Dry	5/30/2018 12:55:00 PM	5/30/2018 12:55:00 PM	Temperature	n/a	=	21.5	°C	Field Meter	-88	0.1	Field Crew	
MO-HUE	2017/18-5	Dry	5/30/2018 12:55:00 PM	5/31/2018 6:03:00 PM	Gasoline Range Organics	n/a	<	0.012	mg/L	LUFT GC/MS	0.012	0.1	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:55:00 PM	5/31/2018 5:55:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:55:00 PM	6/5/2018 7:52:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-HUE	2017/18-5	Dry	5/30/2018 12:55:00 PM	6/5/2018 7:52:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-MEI	2017/18-1	Wet	1/8/2018 2:15:00 PM	1/9/2018 12:10:00 PM	E. Coli	n/a	=	10462	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-MEI	2017/18-1	Wet	1/8/2018 2:15:00 PM	1/11/2018 2:15:00 PM	Fecal Coliform	n/a	=	94000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-MEI	2017/18-1	Wet	1/8/2018 2:15:00 PM	1/9/2018 12:10:00 PM	Total Coliform	n/a	=	2419600	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-MEI	2017/18-1	Wet	1/8/2018 2:15:00 PM	1/8/2018 2:15:00 PM	Conductivity	n/a	=	463	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MEI	2017/18-1	Wet	1/8/2018 2:15:00 PM	1/16/2018 6:51:00 PM	Cyanide	Total	=	0.0066	mg/L	ASTM D7511	0.0005	0.002	Field Crew	
MO-MEI	2017/18-1	Wet	1/8/2018 2:15:00 PM	1/8/2018 2:15:00 PM	DO	n/a	=	79.4	%	Field Meter	-88	0.1	Field Crew	
MO-MEI	2017/18-1	Wet	1/8/2018 2:15:00 PM	1/8/2018 2:15:00 PM	DO	n/a	=	7.81	mg/L	Field Meter	-88	0.3	Field Crew	
MO-MEI	2017/18-1	Wet	1/8/2018 2:15:00 PM	1/8/2018 2:15:00 PM	pH	n/a	=	8.01	pH Units	Field Meter	-88	0.01	Field Crew	
MO-MEI	2017/18-1	Wet	1/8/2018 2:15:00 PM	1/8/2018 2:15:00 PM	Salinity	n/a	=	300	mg/L	Field Meter	-88	100	Field Crew	
MO-MEI	2017/18-1	Wet	1/8/2018 2:15:00 PM	1/8/2018 2:15:00 PM	Specific Conductance	n/a	=	558	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MEI	2017/18-1	Wet	1/8/2018 2:15:00 PM	1/8/2018 2:15:00 PM	Temperature	n/a	=	15.9	°C	Field Meter	-88	0.1	Field Crew	
MO-MEI	2017/18-1	Wet	1/8/2018 2:15:00 PM	1/18/2018 6:46:00 AM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
MO-MEI	2017/18-1	Wet	1/8/2018 2:15:00 PM	1/19/2018 5:44:00 PM	Oil and Grease	n/a	DNQ	2.1	mg/L	EPA 1664A	1.3	5	WKL	
MO-MEI	2017/18-1	Wet	1/8/2018 2:15:00 PM	1/12/2018 1:11:00 AM	2-Chloroethyl vinyl ether	n/a	<	2.8	µg/L	EPA 624	2.8	10	WKL	
MO-MEI	2017/18-1	Wet	1/8/2018 2:15:00 PM	1/12/2018 1:11:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	2.5	µg/L	EPA 624	2.5	10	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/15/2018 1:00:00 PM	Chloride	n/a	=	9.1	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/15/2018 1:00:00 PM	Fluoride	n/a	DNQ	0.071	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/17/2018 11:33:00 PM	Perchlorate	n/a	<	4.8	µg/L	EPA 314.0	4.8	10	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/15/2018 1:00:00 PM	Sulfate	Total	=	18	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/18/2018 11:34:00 AM	Calcium	Total	=	18.8	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/18/2018 11:34:00 AM	Magnesium	Total	=	4.49	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/18/2018 11:34:00 AM	Potassium	Total	=	10	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/18/2018 11:34:00 AM	Sodium	Total	=	5.7	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/15/2018 1:41:00 PM	Alkalinity as CaCO3	n/a	=	54	mg/L	SM 2320 B	0.56	2	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/16/2018 5:05:00 PM	BOD	n/a	=	36	mg/L	SM 5210 B	2	2	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/17/2018 9:48:00 AM	COD	n/a	=	94	mg/L	EPA 410.4	0.73	5	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/22/2018 4:21:00 PM	Dissolved Inorganic Carbon	Dissolved	=	9.9	mg/L	SM 5310 B	0.5	0.5	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/15/2018 12:47:00 PM	Dissolved Organic Carbon	Dissolved	=	25	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/18/2018 11:34:00 AM	Hardness as CaCO3	Total	=	65.3	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/11/2018 9:34:00 PM	MBAS	n/a	=	0.19	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/19/2018 11:02:00 AM	Phenolics	n/a	=	0.017	mg/L	EPA 420.4	0.0042	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/16/2018 1:51:00 PM	Specific Conductance	n/a	=	180	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/16/2018 8:53:00 PM	Total Dissolved Solids	n/a	=	170	mg/L	SM 2540 C	4	10	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/12/2018 8:49:00 AM	Total Organic Carbon	n/a	=	25	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/15/2018 1:45:00 PM	Total Suspended Solids	n/a	=	380	mg/L	SM 2540 D	-88	5	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/11/2018 10:25:00 AM	Turbidity	n/a	=	50	NTU	EPA 180.1	0.048	0.2	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/15/2018 1:45:00 PM	Volatile Suspended Solids	n/a	=	78	mg/L	EPA 160.4	3.1	5	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 8:13:00 PM	Diesel Range Organics	n/a	=	0.81	mg/L	EPA 8015D	0.024	0.1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 8:13:00 PM	Oil Range Organics	n/a	=	0.66	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 1:32:00 PM	Aluminum	Dissolved	=	62	µg/L	EPA 200.8	1.3	5	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 1:03:00 PM	Aluminum	Total	=	2300	µg/L	EPA 200.8	1.3	5	WKL	HB-MSR
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 1:32:00 PM	Antimony	Dissolved	DNQ	0.33	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 1:03:00 PM	Antimony	Total	DNQ	0.43	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 1:32:00 PM	Arsenic	Dissolved	=	1.3	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 1:53:00 PM	Arsenic	Total	=	1.8	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 1:03:00 PM	Barium	Total	=	63	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 1:32:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 1:03:00 PM	Beryllium	Total	=	0.11	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 1:32:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 1:03:00 PM	Cadmium	Total	=	0.13	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 1:32:00 PM	Chromium	Dissolved	=	0.96	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 1:03:00 PM	Chromium	Total	=	5.7	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/21/2018 1:53:00 PM	Chromium VI	n/a	=	0.82	µg/L	EPA 218.6	0.0096	0.04	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 1:32:00 PM	Copper	Dissolved	=	7	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 1:03:00 PM	Copper	Total	=	13	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/18/2018 10:56:00 AM	Iron	Dissolved	=	63	µg/L	EPA 200.7	1.1	10	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/18/2018 11:34:00 AM	Iron	Total	=	2900	µg/L	EPA 200.7	1.1	10	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 1:32:00 PM	Lead	Dissolved	=	0.34	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 1:03:00 PM	Lead	Total	=	4	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/18/2018 3:54:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/18/2018 3:56:00 PM	Mercury	Total	DNQ	23	ng/L	EPA 245.1	17	50	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 1:32:00 PM	Nickel	Dissolved	=	2.9	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 1:03:00 PM	Nickel	Total	=	9.3	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 1:32:00 PM	Selenium	Dissolved	<	0.14	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 1:03:00 PM	Selenium	Total	DNQ	0.23	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 1:32:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 1:03:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 1:32:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 1:03:00 PM	Thallium	Total	DNQ	0.04	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 1:32:00 PM	Zinc	Dissolved	=	17	µg/L	EPA 200.8	0.94	5	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 1:03:00 PM	Zinc	Total	=	55	µg/L	EPA 200.8	0.94	5	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/13/2018 8:03:00 PM	Ammonia as N	n/a	=	0.43	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/15/2018 9:50:00 AM	Nitrate + Nitrite as N	n/a	=	0.92	mg/L	EPA 353.2	0.083	0.2	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/15/2018 7:25:00 PM	Phosphorus as P	Dissolved	=	0.54	mg/L	EPA 365.1	0.0056	0.04	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/22/2018 3:58:00 PM	Phosphorus as P	Total	=	0.88	mg/L	EPA 365.1	0.014	0.1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/26/2018 5:09:00 PM	TKN	n/a	=	2.5	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/26/2018 12:04:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/26/2018 12:04:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/26/2018 12:04:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/26/2018 12:04:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/26/2018 12:04:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	2/2/2018 1:33:00 AM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/29/2018 7:31:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/29/2018 7:31:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/26/2018 12:04:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/29/2018 7:31:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	EST-LCSRPD
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/26/2018 12:04:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/29/2018 7:31:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	EST-LCSRPD
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/26/2018 12:04:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/29/2018 7:31:00 PM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/26/2018 12:04:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/26/2018 12:04:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/26/2018 12:04:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/26/2018 12:04:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/26/2018 12:04:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/29/2018 7:31:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	2/2/2018 1:33:00 AM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/29/2018 7:31:00 PM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/29/2018 7:31:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	EST-LCSRPD
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/26/2018 12:04:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/26/2018 12:04:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/29/2018 7:31:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/29/2018 7:31:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/26/2018 12:04:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/26/2018 12:04:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/29/2018 7:31:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/26/2018 12:04:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/26/2018 12:04:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/26/2018 12:04:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/29/2018 7:31:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/26/2018 12:04:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	2/2/2018 1:33:00 AM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/26/2018 12:04:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	2/2/2018 1:33:00 AM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	2/2/2018 1:33:00 AM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/26/2018 12:04:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/26/2018 12:04:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	2/2/2018 1:33:00 AM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/26/2018 12:04:00 AM	Benzdine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	2/2/2018 1:33:00 AM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/23/2018 6:57:00 PM	Benzo(a)pyrene	n/a	<	0.7	µg/L	EPA 525.2	0.7	1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/26/2018 12:04:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	2/2/2018 1:33:00 AM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/26/2018 12:04:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/26/2018 12:04:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	2/2/2018 1:33:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	2/2/2018 1:33:00 AM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/26/2018 12:04:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/26/2018 12:04:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/26/2018 12:04:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/26/2018 12:04:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/23/2018 6:57:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	1	µg/L	EPA 525.2	1	50	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/26/2018 12:04:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/23/2018 6:57:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	11	µg/L	EPA 525.2	11	30	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/26/2018 12:04:00 AM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/26/2018 12:04:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	2/2/2018 1:33:00 AM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/26/2018 12:04:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	2/2/2018 1:33:00 AM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/26/2018 12:04:00 AM	Diethyl phthalate	n/a	DNQ	0.18	µg/L	EPA 625	0.15	1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/26/2018 12:04:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/26/2018 12:04:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/26/2018 12:04:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	2/2/2018 1:33:00 AM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	EST-LCSRPD
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/26/2018 12:04:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	2/2/2018 1:33:00 AM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/26/2018 12:04:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/26/2018 12:04:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/26/2018 12:04:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/26/2018 12:04:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/26/2018 12:04:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	2/2/2018 1:33:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/26/2018 12:04:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/26/2018 12:04:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	2/2/2018 1:33:00 AM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/26/2018 12:04:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/26/2018 12:04:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/26/2018 12:04:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/26/2018 12:04:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/26/2018 12:04:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	2/2/2018 1:33:00 AM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/26/2018 12:04:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/29/2018 7:31:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/26/2018 12:04:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/26/2018 12:04:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	2/2/2018 1:33:00 AM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/24/2018 11:15:00 AM	PCB Aroclor 1016	n/a	<	0.5	µg/L	EPA 608	0.5	5	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/24/2018 11:15:00 AM	PCB Aroclor 1221	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/24/2018 11:15:00 AM	PCB Aroclor 1232	n/a	<	1.5	µg/L	EPA 608	1.5	5	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/24/2018 11:15:00 AM	PCB Aroclor 1242	n/a	<	0.7	µg/L	EPA 608	0.7	5	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/24/2018 11:15:00 AM	PCB Aroclor 1248	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/24/2018 11:15:00 AM	PCB Aroclor 1254	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/24/2018 11:15:00 AM	PCB Aroclor 1260	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/13/2018 6:42:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/13/2018 6:42:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/13/2018 6:42:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/13/2018 6:42:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/13/2018 6:42:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/24/2018 11:15:00 AM	4,4'-DDD	n/a	<	0.03	µg/L	EPA 608	0.03	0.5	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/24/2018 11:15:00 AM	4,4'-DDE	n/a	<	0.025	µg/L	EPA 608	0.025	0.5	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/24/2018 11:15:00 AM	4,4'-DDT	n/a	<	0.031	µg/L	EPA 608	0.031	0.1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/13/2018 6:42:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/23/2018 6:57:00 PM	Alachlor	n/a	<	0.22	µg/L	EPA 525.2	0.22	1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/24/2018 11:15:00 AM	Aldrin	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/24/2018 11:15:00 AM	alpha-BHC	n/a	<	0.018	µg/L	EPA 608	0.018	0.1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/24/2018 11:15:00 AM	alpha-Chlordane	n/a	<	0.041	µg/L	EPA 608	0.041	0.1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/23/2018 6:57:00 PM	Atrazine	n/a	<	0.34	µg/L	EPA 525.2	0.34	1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/30/2018 9:42:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/13/2018 6:42:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/24/2018 11:15:00 AM	beta-BHC	n/a	<	0.031	µg/L	EPA 608	0.031	0.05	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/30/2018 9:42:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/23/2018 6:57:00 PM	Bromacil	n/a	<	0.38	µg/L	EPA 525.2	0.38	10	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/23/2018 6:57:00 PM	Butachlor	n/a	<	0.17	µg/L	EPA 525.2	0.17	2	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/23/2018 6:57:00 PM	Captan	n/a	<	8.6	µg/L	EPA 525.2	8.6	10	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/24/2018 11:15:00 AM	Chlordane (technical)	n/a	<	0.8	µg/L	EPA 608	0.8	1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/23/2018 6:57:00 PM	Chlorpropham	n/a	<	0.1	µg/L	EPA 525.2	0.1	1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/30/2018 9:42:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/30/2018 9:42:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/23/2018 6:57:00 PM	Cyanazine	n/a	<	0.24	µg/L	EPA 525.2	0.24	1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/13/2018 6:42:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/13/2018 6:42:00 AM	DCCA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/24/2018 11:15:00 AM	delta-BHC	n/a	<	0.025	µg/L	EPA 608	0.025	0.05	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/30/2018 9:42:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/30/2018 9:42:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/30/2018 9:42:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/23/2018 6:57:00 PM	Diazinon	n/a	<	0.96	µg/L	EPA 525.2	0.96	1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/13/2018 6:42:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/13/2018 6:42:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/30/2018 9:42:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/24/2018 11:15:00 AM	Dieldrin	n/a	<	0.021	µg/L	EPA 608	0.021	0.1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/23/2018 6:57:00 PM	Dimethoate	n/a	<	0.24	µg/L	EPA 525.2	0.24	2	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/30/2018 9:42:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/13/2018 6:42:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/23/2018 6:57:00 PM	Diphenamid	n/a	<	0.24	µg/L	EPA 525.2	0.24	1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/23/2018 6:57:00 PM	Disulfoton	n/a	<	0.31	µg/L	EPA 525.2	0.31	1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/30/2018 9:42:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/24/2018 11:15:00 AM	Endosulfan I	n/a	<	0.017	µg/L	EPA 608	0.017	0.2	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/24/2018 11:15:00 AM	Endosulfan II	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/24/2018 11:15:00 AM	Endosulfan sulfate	n/a	<	0.08	µg/L	EPA 608	0.08	0.5	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/24/2018 11:15:00 AM	Endrin	n/a	<	0.028	µg/L	EPA 608	0.028	0.1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/24/2018 11:15:00 AM	Endrin aldehyde	n/a	<	0.03	µg/L	EPA 608	0.03	0.1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/23/2018 6:57:00 PM	EPTC	n/a	<	0.17	µg/L	EPA 525.2	0.17	10	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/30/2018 9:42:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/30/2018 9:42:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/30/2018 9:42:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/30/2018 9:42:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/24/2018 11:15:00 AM	gamma-BHC (Lindane)	n/a	<	0.021	µg/L	EPA 608	0.021	0.2	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/24/2018 11:15:00 AM	gamma-Chlordane	n/a	<	0.044	µg/L	EPA 608	0.044	0.1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/11/2018 7:31:00 PM	Glyphosate	n/a	DNQ	9.1	µg/L	EPA 547	3.6	10	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/24/2018 11:15:00 AM	Heptachlor	n/a	<	0.017	µg/L	EPA 608	0.017	0.1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/24/2018 11:15:00 AM	Heptachlor epoxide	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/30/2018 9:42:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/30/2018 9:42:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/24/2018 11:15:00 AM	Methoxychlor	n/a	<	0.054	µg/L	EPA 608	0.054	0.2	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/30/2018 9:42:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/23/2018 6:57:00 PM	Metolachlor	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/23/2018 6:57:00 PM	Metribuzin	n/a	<	0.15	µg/L	EPA 525.2	0.15	1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/30/2018 9:42:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/23/2018 6:57:00 PM	Molinate	n/a	<	0.39	µg/L	EPA 525.2	0.39	1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/30/2018 9:42:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/29/2018 9:31:00 PM	Pentachlorophenol	n/a	DNQ	0.85	µg/L	EPA 8270C	0.15	1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/26/2018 12:04:00 AM	Pentachlorophenol	n/a	DNQ	0.79	µg/L	EPA 625	0.19	1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/13/2018 6:42:00 AM	Pentachlorophenol	n/a	=	0.3	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/30/2018 9:42:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/13/2018 6:42:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/23/2018 6:57:00 PM	Prometon	n/a	<	0.24	µg/L	EPA 525.2	0.24	2	WKL	EST-LCSRPD
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/23/2018 6:57:00 PM	Prometryn	n/a	<	0.36	µg/L	EPA 525.2	0.36	1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/30/2018 9:42:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/23/2018 6:57:00 PM	Simazine	n/a	<	0.15	µg/L	EPA 525.2	0.15	1	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/30/2018 9:42:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/23/2018 6:57:00 PM	Terbacil	n/a	<	5.5	µg/L	EPA 525.2	5.5	20	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/23/2018 6:57:00 PM	Thiobencarb	n/a	<	0.25	µg/L	EPA 525.2	0.25	2	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/30/2018 9:42:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/24/2018 11:15:00 AM	Toxaphene	n/a	<	1.2	µg/L	EPA 608	1.2	5	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/30/2018 9:42:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-MEI	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/23/2018 6:57:00 PM	Trithion	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 2:20:00 AM	3/3/2018 7:00:00 AM	E. Coli	n/a	=	11190	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-MEI	2017/18-2	Wet	3/2/2018 2:20:00 AM	3/5/2018 10:27:00 AM	Fecal Coliform	n/a	=	9200	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-MEI	2017/18-2	Wet	3/2/2018 2:20:00 AM	3/3/2018 7:00:00 AM	Total Coliform	n/a	=	98040	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-MEI	2017/18-2	Wet	3/2/2018 2:20:00 AM	3/2/2018 2:20:00 AM	Conductivity	n/a	=	71.9	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MEI	2017/18-2	Wet	3/2/2018 2:20:00 AM	3/7/2018 4:36:00 PM	Cyanide	Total	DNQ	0.0013	mg/L	ASTM D7511	0.0005	0.002	Field Crew	
MO-MEI	2017/18-2	Wet	3/2/2018 2:20:00 AM	3/2/2018 2:20:00 AM	DO	n/a	=	89.1	%	Field Meter	-88	0.1	Field Crew	
MO-MEI	2017/18-2	Wet	3/2/2018 2:20:00 AM	3/2/2018 2:20:00 AM	DO	n/a	=	9.48	mg/L	Field Meter	-88	0.3	Field Crew	
MO-MEI	2017/18-2	Wet	3/2/2018 2:20:00 AM	3/2/2018 2:20:00 AM	pH	n/a	=	7.72	pH Units	Field Meter	-88	0.01	Field Crew	
MO-MEI	2017/18-2	Wet	3/2/2018 2:20:00 AM	3/2/2018 2:20:00 AM	Salinity	n/a	<	100	mg/L	Field Meter	-88	100	Field Crew	
MO-MEI	2017/18-2	Wet	3/2/2018 2:20:00 AM	3/2/2018 2:20:00 AM	Specific Conductance	n/a	=	94.5	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MEI	2017/18-2	Wet	3/2/2018 2:20:00 AM	3/2/2018 2:20:00 AM	Temperature	n/a	=	12.4	°C	Field Meter	-88	0.1	Field Crew	
MO-MEI	2017/18-2	Wet	3/2/2018 2:20:00 AM	3/5/2018 9:13:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 2:20:00 AM	3/13/2018 5:21:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 2:20:00 AM	3/5/2018 5:41:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 2:20:00 AM	3/5/2018 5:41:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/15/2018 7:00:00 PM	Chloride	n/a	=	36	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/15/2018 7:00:00 PM	Fluoride	n/a	DNQ	0.059	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/4/2018 11:43:00 PM	Perchlorate	n/a	<	2.8	µg/L	EPA 314.0	2.8	6	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/15/2018 7:00:00 PM	Sulfate	Total	=	12	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/14/2018 7:27:00 PM	Calcium	Total	=	15.3	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/14/2018 7:27:00 PM	Magnesium	Total	=	4.14	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/14/2018 7:27:00 PM	Potassium	Total	=	5.3	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/14/2018 7:27:00 PM	Sodium	Total	=	22	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/5/2018 3:47:00 PM	Alkalinity as CaCO3	n/a	=	37	mg/L	SM 2320 B	0.56	2	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/8/2018 12:25:00 PM	BOD	n/a	=	18	mg/L	SM 5210 B	2	2	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/9/2018 1:52:00 PM	COD	n/a	=	110	mg/L	EPA 410.4	0.73	5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/13/2018 12:33:00 PM	Dissolved Inorganic Carbon	Dissolved	=	7	mg/L	SM 5310 B	0.5	0.5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/9/2018 8:50:00 AM	Dissolved Organic Carbon	Dissolved	=	17	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/14/2018 7:27:00 PM	Hardness as CaCO3	Total	=	55.3	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/2/2018 7:30:00 PM	MBAS	n/a	=	0.21	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/15/2018 6:03:00 PM	Phenolics	n/a	=	0.025	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/7/2018 2:26:00 PM	Specific Conductance	n/a	=	220	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/8/2018 7:30:00 AM	Total Dissolved Solids	n/a	=	150	mg/L	SM 2540 C	4	10	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/7/2018 10:32:00 AM	Total Organic Carbon	n/a	=	19	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/8/2018 5:55:00 PM	Total Suspended Solids	n/a	=	260	mg/L	SM 2540 D	-88	5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/2/2018 8:48:00 PM	Turbidity	n/a	=	31	NTU	EPA 180.1	0.024	0.1	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/8/2018 7:55:00 AM	Volatile Suspended Solids	n/a	=	50	mg/L	EPA 160.4	3.1	5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/14/2018 5:55:00 AM	Diesel Range Organics	n/a	=	1	mg/L	EPA 8015D	0.024	0.1	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/14/2018 5:55:00 AM	Oil Range Organics	n/a	=	1.1	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/21/2018 5:18:00 PM	Aluminum	Dissolved	=	34	µg/L	EPA 200.8	1.3	5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/21/2018 5:22:00 PM	Aluminum	Total	=	3600	µg/L	EPA 200.8	1.3	5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/14/2018 8:39:00 PM	Antimony	Dissolved	DNQ	0.26	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/14/2018 8:46:00 PM	Antimony	Total	DNQ	0.43	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/14/2018 8:39:00 PM	Arsenic	Dissolved	=	0.79	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/14/2018 8:46:00 PM	Arsenic	Total	=	1.7	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/14/2018 8:46:00 PM	Barium	Total	=	72	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/15/2018 12:19:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/15/2018 12:22:00 PM	Beryllium	Total	=	0.14	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/14/2018 8:39:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/14/2018 8:46:00 PM	Cadmium	Total	=	0.15	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/21/2018 5:18:00 PM	Chromium	Dissolved	=	0.44	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/21/2018 5:22:00 PM	Chromium	Total	=	7.3	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/9/2018 3:50:00 PM	Chromium VI	n/a	=	0.31	µg/L	EPA 218.6	0.024	0.1	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/14/2018 8:39:00 PM	Copper	Dissolved	=	5.2	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/14/2018 8:46:00 PM	Copper	Total	=	17	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/15/2018 12:24:00 PM	Iron	Dissolved	=	28	µg/L	EPA 200.7	1.1	10	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/14/2018 7:27:00 PM	Iron	Total	=	4300	µg/L	EPA 200.7	1.1	10	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/14/2018 8:39:00 PM	Lead	Dissolved	DNQ	0.12	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/14/2018 8:46:00 PM	Lead	Total	=	7.4	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/14/2018 2:09:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/14/2018 2:11:00 PM	Mercury	Total	DNQ	19	ng/L	EPA 245.1	17	50	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/21/2018 5:18:00 PM	Nickel	Dissolved	=	1.6	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/21/2018 5:22:00 PM	Nickel	Total	=	12	µg/L	EPA 200.8	0.045	0.8	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/14/2018 8:39:00 PM	Selenium	Dissolved	<	0.14	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/14/2018 8:46:00 PM	Selenium	Total	DNQ	0.16	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/14/2018 8:39:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/14/2018 8:46:00 PM	Silver	Total	DNQ	0.07	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/14/2018 8:39:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/14/2018 8:46:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/14/2018 8:39:00 PM	Zinc	Dissolved	=	15	µg/L	EPA 200.8	0.94	5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/14/2018 8:46:00 PM	Zinc	Total	=	86	µg/L	EPA 200.8	0.94	5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/6/2018 6:32:00 PM	Ammonia as N	n/a	=	0.3	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/5/2018 10:40:00 AM	Nitrate + Nitrite as N	n/a	=	0.46	mg/L	EPA 353.2	0.083	0.2	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/19/2018 12:24:00 PM	Phosphorus as P	Dissolved	=	0.32	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/8/2018 4:03:00 PM	Phosphorus as P	Total	=	0.58	mg/L	EPA 365.1	0.014	0.1	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/13/2018 5:46:00 PM	TKN	n/a	=	2.4	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/13/2018 2:02:00 AM	1,2,4-Trichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/13/2018 2:02:00 AM	1,2-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/13/2018 2:02:00 AM	1,2-Diphenylhydrazine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/13/2018 2:02:00 AM	1,3-Dichlorobenzene	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/13/2018 2:02:00 AM	1,4-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/20/2018 3:10:00 AM	1-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/26/2018 12:57:00 PM	2,4,5-Trichlorophenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/13/2018 2:02:00 AM	2,4,6-Trichlorophenol	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/26/2018 12:57:00 PM	2,4,6-Trichlorophenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/13/2018 2:02:00 AM	2,4-Dichlorophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/26/2018 12:57:00 PM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 8270C	2.6	5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/13/2018 2:02:00 AM	2,4-Dimethylphenol	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/26/2018 12:57:00 PM	2,4-Dimethylphenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	LCSRPD, LB-L
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/26/2018 12:57:00 PM	2,4-Dinitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/13/2018 2:02:00 AM	2,4-Dinitrophenol	n/a	<	7.9	µg/L	EPA 625	7.9	50	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/13/2018 2:02:00 AM	2,4-Dinitrotoluene	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/13/2018 2:02:00 AM	2,6-Dinitrotoluene	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/13/2018 2:02:00 AM	2-Chloronaphthalene	n/a	<	2.2	µg/L	EPA 625	2.2	5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/13/2018 2:02:00 AM	2-Chlorophenol	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/26/2018 12:57:00 PM	2-Chlorophenol	n/a	<	3.2	µg/L	EPA 8270C	3.2	5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/20/2018 3:10:00 AM	2-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/26/2018 12:57:00 PM	2-Methylphenol	n/a	<	1.7	µg/L	EPA 8270C	1.7	5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/13/2018 2:02:00 AM	2-Nitrophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/26/2018 12:57:00 PM	2-Nitrophenol	n/a	<	3.6	µg/L	EPA 8270C	3.6	5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/13/2018 2:02:00 AM	3,3'-Dichlorobenzidine	n/a	<	6	µg/L	EPA 625	6	25	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/26/2018 12:57:00 PM	3-/4-Methylphenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/13/2018 2:02:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	8.6	µg/L	EPA 625	8.6	25	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/26/2018 12:57:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.7	µg/L	EPA 8270C	0.7	5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/13/2018 2:02:00 AM	4-Bromophenyl phenyl ether	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/13/2018 2:02:00 AM	4-Chloro-3-methylphenol	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/26/2018 12:57:00 PM	4-Chloro-3-methylphenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/13/2018 2:02:00 AM	4-Chlorophenyl phenyl ether	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/13/2018 2:02:00 AM	4-Nitrophenol	n/a	<	2.2	µg/L	EPA 625	2.2	25	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/26/2018 12:57:00 PM	4-Nitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/13/2018 2:02:00 AM	Acenaphthene	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/20/2018 3:10:00 AM	Acenaphthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/13/2018 2:02:00 AM	Acenaphthylene	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/20/2018 3:10:00 AM	Acenaphthylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/13/2018 2:02:00 AM	Anthracene	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/20/2018 3:10:00 AM	Anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/20/2018 3:10:00 AM	Benz(a)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/13/2018 2:02:00 AM	Benz(a)anthracene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/13/2018 2:02:00 AM	Benzo(a)pyrene	n/a	<	18	µg/L	EPA 625	18	50	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/19/2018 10:46:00 PM	Benzo(a)pyrene	n/a	<	0.35	µg/L	EPA 525.2	0.35	0.5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/13/2018 2:02:00 AM	Benzo(a)pyrene	n/a	<	0.65	µg/L	EPA 625	0.65	5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/20/2018 3:10:00 AM	Benzo(a)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/13/2018 2:02:00 AM	Benzo(b)fluoranthene	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/20/2018 3:10:00 AM	Benzo(b)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/13/2018 2:02:00 AM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 625	0.5	10	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/20/2018 3:10:00 AM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/13/2018 2:02:00 AM	Benzo(k)fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/20/2018 3:10:00 AM	Benzo(k)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/13/2018 2:02:00 AM	Bis(2-chloroethoxy)methane	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/13/2018 2:02:00 AM	Bis(2-chloroethyl)ether	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/13/2018 2:02:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/19/2018 10:46:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.52	µg/L	EPA 525.2	0.52	25	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/13/2018 2:02:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	12	µg/L	EPA 625	12	25	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/19/2018 10:46:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	5.3	µg/L	EPA 525.2	5.3	15	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/13/2018 2:02:00 AM	Butyl benzyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/13/2018 2:02:00 AM	Chrysene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/20/2018 3:10:00 AM	Chrysene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/13/2018 2:02:00 AM	Dibenz(a,h)anthracene	n/a	<	0.4	µg/L	EPA 625	0.4	10	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/20/2018 3:10:00 AM	Dibenz(a,h)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/13/2018 2:02:00 AM	Diethyl phthalate	n/a	<	0.75	µg/L	EPA 625	0.75	5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/13/2018 2:02:00 AM	Dimethyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/13/2018 2:02:00 AM	Di-n-butylphthalate	n/a	DNQ	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/13/2018 2:02:00 AM	Di-n-octylphthalate	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/20/2018 3:10:00 AM	Fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/13/2018 2:02:00 AM	Fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/13/2018 2:02:00 AM	Fluorene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/20/2018 3:10:00 AM	Fluorene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/13/2018 2:02:00 AM	Hexachlorobenzene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/13/2018 2:02:00 AM	Hexachlorobutadiene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/13/2018 2:02:00 AM	Hexachlorocyclopentadiene	n/a	<	7.3	µg/L	EPA 625	7.3	25	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/13/2018 2:02:00 AM	Hexachloroethane	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/13/2018 2:02:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.6	µg/L	EPA 625	0.6	10	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/20/2018 3:10:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/13/2018 2:02:00 AM	Isophorone	n/a	<	1	µg/L	EPA 625	1	5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/13/2018 2:02:00 AM	Naphthalene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/20/2018 3:10:00 AM	Naphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/13/2018 2:02:00 AM	Nitrobenzene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/13/2018 2:02:00 AM	N-Nitrosodimethylamine	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/13/2018 2:02:00 AM	N-Nitrosodi-N-propylamine	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/13/2018 2:02:00 AM	N-Nitrosodiphenylamine	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/20/2018 3:10:00 AM	Phenanthrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/13/2018 2:02:00 AM	Phenanthrene	n/a	<	1.6	µg/L	EPA 625	1.6	5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/13/2018 2:02:00 AM	Phenol	n/a	<	0.8	µg/L	EPA 625	0.8	5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/26/2018 12:57:00 PM	Phenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/13/2018 2:02:00 AM	Pyrene	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/20/2018 3:10:00 AM	Pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/19/2018 11:15:00 PM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/19/2018 11:15:00 PM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/19/2018 11:15:00 PM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/19/2018 11:15:00 PM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/19/2018 11:15:00 PM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/19/2018 11:15:00 PM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/19/2018 11:15:00 PM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/13/2018 7:53:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/13/2018 7:53:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/13/2018 7:53:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/13/2018 7:53:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/13/2018 7:53:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/19/2018 11:15:00 PM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/19/2018 11:15:00 PM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/19/2018 11:15:00 PM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/13/2018 7:53:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/19/2018 10:46:00 PM	Alachlor	n/a	<	0.11	µg/L	EPA 525.2	0.11	0.5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/19/2018 11:15:00 PM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/19/2018 11:15:00 PM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/19/2018 11:15:00 PM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/19/2018 10:46:00 PM	Atrazine	n/a	<	0.17	µg/L	EPA 525.2	0.17	0.5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/15/2018 1:16:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/13/2018 7:53:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/19/2018 11:15:00 PM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/15/2018 1:16:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/19/2018 10:46:00 PM	Bromacil	n/a	<	0.19	µg/L	EPA 525.2	0.19	5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/19/2018 10:46:00 PM	Butachlor	n/a	<	0.085	µg/L	EPA 525.2	0.085	1	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/19/2018 10:46:00 PM	Captan	n/a	<	4.3	µg/L	EPA 525.2	4.3	5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/19/2018 11:15:00 PM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/19/2018 10:46:00 PM	Chloropropham	n/a	<	0.05	µg/L	EPA 525.2	0.05	0.5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/15/2018 1:16:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/15/2018 1:16:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/19/2018 10:46:00 PM	Cyanazine	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/13/2018 7:53:00 AM	Dalapon	n/a	DNQ	0.24	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/13/2018 7:53:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/19/2018 11:15:00 PM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/15/2018 1:16:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/15/2018 1:16:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/19/2018 10:46:00 PM	Diazinon	n/a	<	0.48	µg/L	EPA 525.2	0.48	0.5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/15/2018 1:16:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/13/2018 7:53:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/13/2018 7:53:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/15/2018 1:16:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/19/2018 11:15:00 PM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/15/2018 1:16:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/21/2018 1:56:00 AM	Dimethoate	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/13/2018 7:53:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/19/2018 10:46:00 PM	Diphenamid	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/19/2018 10:46:00 PM	Disulfoton	n/a	<	0.16	µg/L	EPA 525.2	0.16	0.5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/15/2018 1:16:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/19/2018 11:15:00 PM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/19/2018 11:15:00 PM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/19/2018 11:15:00 PM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/19/2018 11:15:00 PM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/19/2018 11:15:00 PM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/19/2018 10:46:00 PM	EPTC	n/a	<	0.085	µg/L	EPA 525.2	0.085	5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/15/2018 1:16:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/15/2018 1:16:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/15/2018 1:16:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/15/2018 1:16:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/19/2018 11:15:00 PM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/19/2018 11:15:00 PM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/9/2018 5:21:00 PM	Glyphosate	n/a	=	20	µg/L	EPA 547	1.8	5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/19/2018 11:15:00 PM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/19/2018 11:15:00 PM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/15/2018 1:16:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/15/2018 1:16:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/19/2018 11:15:00 PM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/15/2018 1:16:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/19/2018 10:46:00 PM	Metolachlor	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/19/2018 10:46:00 PM	Metribuzin	n/a	<	0.075	µg/L	EPA 525.2	0.075	0.5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/15/2018 1:16:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/19/2018 10:46:00 PM	Molinate	n/a	<	0.2	µg/L	EPA 525.2	0.2	0.5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/15/2018 1:16:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/26/2018 12:57:00 PM	Pentachlorophenol	n/a	DNQ	2.4	µg/L	EPA 8270C	0.75	5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/13/2018 2:02:00 AM	Pentachlorophenol	n/a	DNQ	4.1	µg/L	EPA 625	0.95	5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/13/2018 7:53:00 AM	Pentachlorophenol	n/a	=	0.22	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/15/2018 1:16:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/13/2018 7:53:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/19/2018 10:46:00 PM	Prometon	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/19/2018 10:46:00 PM	Prometryn	n/a	<	0.18	µg/L	EPA 525.2	0.18	0.5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/15/2018 1:16:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/19/2018 10:46:00 PM	Simazine	n/a	<	0.075	µg/L	EPA 525.2	0.075	0.5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/15/2018 1:16:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/19/2018 10:46:00 PM	Terbacil	n/a	<	2.8	µg/L	EPA 525.2	2.8	10	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/21/2018 1:56:00 AM	Thiobencarb	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/15/2018 1:16:00 PM	Toxuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/19/2018 11:15:00 PM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/15/2018 1:16:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MEI	2017/18-2	Wet	3/2/2018 7:55:00 AM	3/19/2018 10:46:00 PM	Trithion	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.5	WKL	
MO-MEI	2017/18-3	Wet	3/10/2018 2:50:00 PM	3/11/2018 11:34:00 PM	E. Coli	n/a	=	19863	MPN/100 mL	MMO-MUG	10	10	VCHCA	EST-HT
MO-MEI	2017/18-3	Wet	3/10/2018 2:50:00 PM	3/12/2018 9:15:00 PM	Fecal Coliform	n/a	=	160000	MPN/100 mL	SM 9221 E	2	2	VCHCA	EST-HT
MO-MEI	2017/18-3	Wet	3/10/2018 2:50:00 PM	3/11/2018 11:34:00 PM	Total Coliform	n/a	=	198630	MPN/100 mL	MMO-MUG	100	100	VCHCA	EST-HT
MO-MEI	2017/18-3	Wet	3/10/2018 2:50:00 PM	3/10/2018 2:50:00 PM	Conductivity	n/a	=	132.5	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MEI	2017/18-3	Wet	3/10/2018 2:50:00 PM	3/19/2018 4:29:00 PM	Cyanide	Total	=	0.0022	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-MEI	2017/18-3	Wet	3/10/2018 2:50:00 PM	3/10/2018 2:50:00 PM	DO	n/a	=	12.45	mg/L	Field Meter	-88	0.3	Field Crew	
MO-MEI	2017/18-3	Wet	3/10/2018 2:50:00 PM	3/10/2018 2:50:00 PM	DO	n/a	=	123.1	%	Field Meter	-88	0.1	Field Crew	
MO-MEI	2017/18-3	Wet	3/10/2018 2:50:00 PM	3/10/2018 2:50:00 PM	pH	n/a	=	7.75	pH Units	Field Meter	-88	0.01	Field Crew	
MO-MEI	2017/18-3	Wet	3/10/2018 2:50:00 PM	3/10/2018 2:50:00 PM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	
MO-MEI	2017/18-3	Wet	3/10/2018 2:50:00 PM	3/10/2018 2:50:00 PM	Specific Conductance	n/a	=	162.6	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MEI	2017/18-3	Wet	3/10/2018 2:50:00 PM	3/10/2018 2:50:00 PM	Temperature	n/a	=	15	°C	Field Meter	-88	0.1	Field Crew	
MO-MEI	2017/18-3	Wet	3/10/2018 2:50:00 PM	3/14/2018 8:06:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
MO-MEI	2017/18-3	Wet	3/10/2018 2:50:00 PM	3/27/2018 6:07:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-MEI	2017/18-3	Wet	3/10/2018 2:50:00 PM	3/13/2018 5:47:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-MEI	2017/18-3	Wet	3/10/2018 2:50:00 PM	3/13/2018 5:47:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/21/2018 2:00:00 PM	Chloride	n/a	=	3.3	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/21/2018 2:00:00 PM	Fluoride	n/a	DNQ	0.052	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/12/2018 10:17:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/21/2018 2:00:00 PM	Sulfate	Total	=	6.4	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/26/2018 3:41:00 PM	Calcium	Total	=	9.75	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/26/2018 3:41:00 PM	Magnesium	Total	=	2.62	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/26/2018 3:41:00 PM	Potassium	Total	=	3.3	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/26/2018 3:41:00 PM	Sodium	Total	=	3.4	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/12/2018 1:51:00 PM	Alkalinity as CaCO3	n/a	=	38	mg/L	SM 2320 B	0.56	2	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/17/2018 7:25:00 PM	BOD	n/a	=	11	mg/L	SM 5210 B	2	2	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/19/2018 7:36:00 PM	COD	n/a	=	61	mg/L	EPA 410.4	0.73	5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/15/2018 1:47:00 PM	Dissolved Inorganic Carbon	Dissolved	=	6.2	mg/L	SM 5310 B	0.5	0.5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/19/2018 8:44:00 AM	Dissolved Organic Carbon	Dissolved	=	11	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/26/2018 3:41:00 PM	Hardness as CaCO3	Total	=	35.1	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/12/2018 4:40:00 PM	MBAS	n/a	=	0.14	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/29/2018 5:17:00 PM	Phenolics	n/a	=	0.053	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/14/2018 5:40:00 PM	Specific Conductance	n/a	=	87	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/15/2018 5:49:00 PM	Total Dissolved Solids	n/a	=	47	mg/L	SM 2540 C	4	10	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/22/2018 10:17:00 AM	Total Organic Carbon	n/a	=	10	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/14/2018 1:40:00 PM	Total Suspended Solids	n/a	=	130	mg/L	SM 2540 D	-88	5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/12/2018 11:32:00 AM	Turbidity	n/a	=	27	NTU	EPA 180.1	0.024	0.1	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/14/2018 1:40:00 PM	Volatile Suspended Solids	n/a	=	37	mg/L	EPA 160.4	3.1	5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/20/2018 9:01:00 AM	Diesel Range Organics	n/a	=	0.63	mg/L	EPA 8015D	0.024	0.1	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/20/2018 9:01:00 AM	Oil Range Organics	n/a	=	1.2	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	4/2/2018 6:37:00 PM	Aluminum	Dissolved	=	40	µg/L	EPA 200.8	1.3	5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	4/2/2018 6:41:00 PM	Aluminum	Total	=	2100	µg/L	EPA 200.8	1.3	5	WKL	HB-MSR
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/30/2018 9:03:00 PM	Antimony	Dissolved	DNQ	0.27	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/30/2018 9:10:00 PM	Antimony	Total	DNQ	0.41	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/30/2018 9:03:00 PM	Arsenic	Dissolved	=	0.97	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/30/2018 9:10:00 PM	Arsenic	Total	=	1.3	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/30/2018 9:10:00 PM	Barium	Total	=	43	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/30/2018 9:03:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/30/2018 9:10:00 PM	Beryllium	Total	DNQ	0.08	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/30/2018 9:03:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/30/2018 9:10:00 PM	Cadmium	Total	=	0.11	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/30/2018 9:03:00 PM	Chromium	Dissolved	=	0.55	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/30/2018 9:10:00 PM	Chromium	Total	=	4.4	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/15/2018 8:46:00 PM	Chromium VI	n/a	=	0.42	µg/L	EPA 218.6	0.024	0.1	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/30/2018 9:03:00 PM	Copper	Dissolved	=	4	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/30/2018 9:10:00 PM	Copper	Total	=	10	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/26/2018 3:29:00 PM	Iron	Dissolved	=	64	µg/L	EPA 200.7	1.1	10	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/26/2018 3:41:00 PM	Iron	Total	=	2200	µg/L	EPA 200.7	1.1	10	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/30/2018 9:03:00 PM	Lead	Dissolved	DNQ	0.16	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/30/2018 9:10:00 PM	Lead	Total	=	3.9	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/23/2018 2:59:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/23/2018 3:01:00 PM	Mercury	Total	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/30/2018 9:03:00 PM	Nickel	Dissolved	=	1.3	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/30/2018 9:10:00 PM	Nickel	Total	=	6.6	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/30/2018 9:03:00 PM	Selenium	Dissolved	<	0.14	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/30/2018 9:10:00 PM	Selenium	Total	<	0.14	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/30/2018 9:03:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/30/2018 9:10:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/30/2018 9:03:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/30/2018 9:10:00 PM	Thallium	Total	DNQ	0.02	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/30/2018 9:03:00 PM	Zinc	Dissolved	=	14	µg/L	EPA 200.8	0.94	5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/30/2018 9:10:00 PM	Zinc	Total	=	50	µg/L	EPA 200.8	0.94	5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/21/2018 8:47:00 PM	Ammonia as N	n/a	=	0.17	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/25/2018 10:32:00 AM	Nitrate + Nitrite as N	n/a	=	0.37	mg/L	EPA 353.2	0.083	0.2	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/27/2018 6:04:00 PM	Phosphorus as P	Dissolved	=	0.19	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/27/2018 3:15:00 PM	Phosphorus as P	Total	=	0.45	mg/L	EPA 365.1	0.007	0.05	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/23/2018 3:23:00 PM	TKN	n/a	=	1.3	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/22/2018 8:12:00 AM	1,2,4-Trichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/22/2018 8:12:00 AM	1,2-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/22/2018 8:12:00 AM	1,2-Diphenylhydrazine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/22/2018 8:12:00 AM	1,3-Dichlorobenzene	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/22/2018 8:12:00 AM	1,4-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/27/2018 9:57:00 PM	1-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/23/2018 10:13:00 AM	2,4,5-Trichlorophenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/22/2018 8:12:00 AM	2,4,6-Trichlorophenol	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/23/2018 10:13:00 AM	2,4,6-Trichlorophenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/23/2018 10:13:00 AM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 8270C	2.6	5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/22/2018 8:12:00 AM	2,4-Dichlorophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/22/2018 8:12:00 AM	2,4-Dimethylphenol	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	EST-LCSRPD
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/23/2018 10:13:00 AM	2,4-Dimethylphenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/22/2018 8:12:00 AM	2,4-Dinitrophenol	n/a	<	7.9	µg/L	EPA 625	7.9	50	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/23/2018 10:13:00 AM	2,4-Dinitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	EST-LCSRPD
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/22/2018 8:12:00 AM	2,4-Dinitrotoluene	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/22/2018 8:12:00 AM	2,6-Dinitrotoluene	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/22/2018 8:12:00 AM	2-Chloronaphthalene	n/a	<	2.2	µg/L	EPA 625	2.2	5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/23/2018 10:13:00 AM	2-Chlorophenol	n/a	<	3.2	µg/L	EPA 8270C	3.2	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/22/2018 8:12:00 AM	2-Chlorophenol	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/27/2018 9:57:00 PM	2-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/23/2018 10:13:00 AM	2-Methylphenol	n/a	<	1.7	µg/L	EPA 8270C	1.7	5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/23/2018 10:13:00 AM	2-Nitrophenol	n/a	<	3.6	µg/L	EPA 8270C	3.6	5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/22/2018 8:12:00 AM	2-Nitrophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/22/2018 8:12:00 AM	3,3'-Dichlorobenzidine	n/a	<	6	µg/L	EPA 625	6	25	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/23/2018 10:13:00 AM	3-/4-Methylphenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/23/2018 10:13:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.7	µg/L	EPA 8270C	0.7	5	WKL	EST-LCSRPD
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/22/2018 8:12:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	8.6	µg/L	EPA 625	8.6	25	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/22/2018 8:12:00 AM	4-Bromophenyl phenyl ether	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/23/2018 10:13:00 AM	4-Chloro-3-methylphenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/22/2018 8:12:00 AM	4-Chloro-3-methylphenol	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/22/2018 8:12:00 AM	4-Chlorophenyl phenyl ether	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/22/2018 8:12:00 AM	4-Nitrophenol	n/a	<	2.2	µg/L	EPA 625	2.2	25	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/23/2018 10:13:00 AM	4-Nitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	EST-LCSRPD
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/22/2018 8:12:00 AM	Acenaphthene	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/27/2018 9:57:00 PM	Acenaphthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/27/2018 9:57:00 PM	Acenaphthylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/22/2018 8:12:00 AM	Acenaphthylene	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/22/2018 8:12:00 AM	Anthracene	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/27/2018 9:57:00 PM	Anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/22/2018 8:12:00 AM	Benz(a)anthracene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/27/2018 9:57:00 PM	Benz(a)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/22/2018 8:12:00 AM	Benzdine	n/a	<	18	µg/L	EPA 625	18	50	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/22/2018 7:57:00 PM	Benzo(a)pyrene	n/a	<	0.35	µg/L	EPA 525.2	0.35	5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/22/2018 8:12:00 AM	Benzo(a)pyrene	n/a	<	0.65	µg/L	EPA 625	0.65	5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/27/2018 9:57:00 PM	Benzo(a)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/22/2018 8:12:00 AM	Benzo(b)fluoranthene	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/27/2018 9:57:00 PM	Benzo(b)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/27/2018 9:57:00 PM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/22/2018 8:12:00 AM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 625	0.5	10	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/27/2018 9:57:00 PM	Benzo(k)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/22/2018 8:12:00 AM	Benzo(k)fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/22/2018 8:12:00 AM	Bis(2-chloroethoxy)methane	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/22/2018 8:12:00 AM	Bis(2-chloroethyl)ether	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/22/2018 8:12:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/22/2018 7:57:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.52	µg/L	EPA 525.2	0.52	25	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/22/2018 7:57:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	5.3	µg/L	EPA 525.2	5.3	15	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/22/2018 8:12:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	12	µg/L	EPA 625	12	25	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/22/2018 8:12:00 AM	Butyl benzyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/22/2018 8:12:00 AM	Chrysene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/27/2018 9:57:00 PM	Chrysene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/27/2018 9:57:00 PM	Dibenz(a,h)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/22/2018 8:12:00 AM	Dibenz(a,h)anthracene	n/a	<	0.4	µg/L	EPA 625	0.4	10	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/22/2018 8:12:00 AM	Diethyl phthalate	n/a	<	0.75	µg/L	EPA 625	0.75	5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/22/2018 8:12:00 AM	Dimethyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/22/2018 8:12:00 AM	Di-n-butylphthalate	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/22/2018 8:12:00 AM	Di-n-octylphthalate	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/22/2018 8:12:00 AM	Fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/27/2018 9:57:00 PM	Fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/22/2018 8:12:00 AM	Fluorene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/27/2018 9:57:00 PM	Fluorene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/22/2018 8:12:00 AM	Hexachlorobenzene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/22/2018 8:12:00 AM	Hexachlorobutadiene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/22/2018 8:12:00 AM	Hexachlorocyclopentadiene	n/a	<	7.3	µg/L	EPA 625	7.3	25	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/22/2018 8:12:00 AM	Hexachloroethane	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/22/2018 8:12:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.6	µg/L	EPA 625	0.6	10	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/27/2018 9:57:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/22/2018 8:12:00 AM	Isophorone	n/a	<	1	µg/L	EPA 625	1	5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/27/2018 9:57:00 PM	Naphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/22/2018 8:12:00 AM	Naphthalene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/22/2018 8:12:00 AM	Nitrobenzene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/22/2018 8:12:00 AM	N-Nitrosodimethylamine	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/22/2018 8:12:00 AM	N-Nitrosodi-N-propylamine	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/22/2018 8:12:00 AM	N-Nitrosodiphenylamine	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/22/2018 8:12:00 AM	Phenanthrene	n/a	<	1.6	µg/L	EPA 625	1.6	5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/27/2018 9:57:00 PM	Phenanthrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/22/2018 8:12:00 AM	Phenol	n/a	<	0.8	µg/L	EPA 625	0.8	5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/23/2018 10:13:00 AM	Phenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/22/2018 8:12:00 AM	Pyrene	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/27/2018 9:57:00 PM	Pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/25/2018 4:59:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/25/2018 4:59:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/25/2018 4:59:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/25/2018 4:59:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/25/2018 4:59:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/25/2018 4:59:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/25/2018 4:59:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/21/2018 11:40:00 PM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/21/2018 11:40:00 PM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/21/2018 11:40:00 PM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/21/2018 11:40:00 PM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/21/2018 11:40:00 PM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/25/2018 4:59:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/25/2018 4:59:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/25/2018 4:59:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/21/2018 11:40:00 PM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/22/2018 7:57:00 PM	Alachlor	n/a	<	0.11	µg/L	EPA 525.2	0.11	0.5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/25/2018 4:59:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/25/2018 4:59:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/25/2018 4:59:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/22/2018 7:57:00 PM	Atrazine	n/a	<	0.17	µg/L	EPA 525.2	0.17	0.5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/21/2018 9:38:00 PM	Azinphos methyl	n/a	<	0.028	µg/L	EPA 525.2m	0.028	0.05	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/21/2018 11:40:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/25/2018 4:59:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/21/2018 9:38:00 PM	Bolstar	n/a	<	0.023	µg/L	EPA 525.2m	0.023	0.05	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/22/2018 7:57:00 PM	Bromacil	n/a	<	0.19	µg/L	EPA 525.2	0.19	5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/22/2018 7:57:00 PM	Butachlor	n/a	<	0.085	µg/L	EPA 525.2	0.085	1	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/22/2018 7:57:00 PM	Captan	n/a	<	4.3	µg/L	EPA 525.2	4.3	5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/25/2018 4:59:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/22/2018 7:57:00 PM	Chloropropham	n/a	<	0.05	µg/L	EPA 525.2	0.05	0.5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/21/2018 9:38:00 PM	Chlorpyrifos	n/a	<	0.034	µg/L	EPA 525.2m	0.034	0.05	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/21/2018 9:38:00 PM	Coumaphos	n/a	<	0.026	µg/L	EPA 525.2m	0.026	0.05	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/22/2018 7:57:00 PM	Cyanazine	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/21/2018 11:40:00 PM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/21/2018 11:40:00 PM	DCCA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/25/2018 4:59:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/21/2018 9:38:00 PM	Demeton-O	n/a	<	0.05	µg/L	EPA 525.2m	0.05	0.05	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/21/2018 9:38:00 PM	Demeton-S	n/a	<	0.05	µg/L	EPA 525.2m	0.05	0.05	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/21/2018 9:38:00 PM	Diazinon	n/a	<	0.026	µg/L	EPA 525.2m	0.026	0.05	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/22/2018 7:57:00 PM	Diazinon	n/a	<	0.48	µg/L	EPA 525.2	0.48	0.5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/21/2018 11:40:00 PM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/21/2018 11:40:00 PM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/21/2018 9:38:00 PM	Dichlorvos	n/a	<	0.014	µg/L	EPA 525.2m	0.014	0.05	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/25/2018 4:59:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/22/2018 7:57:00 PM	Dimethoate	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/21/2018 9:38:00 PM	Dimethoate	n/a	<	0.031	µg/L	EPA 525.2m	0.031	0.05	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/21/2018 11:40:00 PM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/22/2018 7:57:00 PM	Diphenamid	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/22/2018 7:57:00 PM	Disulfoton	n/a	<	0.16	µg/L	EPA 525.2	0.16	0.5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/21/2018 9:38:00 PM	Disulfoton	n/a	<	0.05	µg/L	EPA 525.2m	0.05	0.05	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/25/2018 4:59:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/25/2018 4:59:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/25/2018 4:59:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/25/2018 4:59:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/25/2018 4:59:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/22/2018 7:57:00 PM	EPTC	n/a	<	0.085	µg/L	EPA 525.2	0.085	5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/21/2018 9:38:00 PM	Ethoprop	n/a	<	0.034	µg/L	EPA 525.2m	0.034	0.05	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/21/2018 9:38:00 PM	Ethyl parathion	n/a	<	0.027	µg/L	EPA 525.2m	0.027	0.05	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/21/2018 9:38:00 PM	Fensulfothion	n/a	<	0.014	µg/L	EPA 525.2m	0.014	0.05	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/21/2018 9:38:00 PM	Fenthion	n/a	<	0.019	µg/L	EPA 525.2m	0.019	0.05	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/25/2018 4:59:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/25/2018 4:59:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/23/2018 12:49:00 AM	Glyphosate	n/a	=	5.3	µg/L	EPA 547	1.8	5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/25/2018 4:59:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/25/2018 4:59:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/21/2018 9:38:00 PM	Malathion	n/a	<	0.038	µg/L	EPA 525.2m	0.038	0.05	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/21/2018 9:38:00 PM	Merphos	n/a	<	0.029	µg/L	EPA 525.2m	0.029	0.05	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/25/2018 4:59:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/21/2018 9:38:00 PM	Methyl parathion	n/a	<	0.032	µg/L	EPA 525.2m	0.032	0.05	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/22/2018 7:57:00 PM	Metolachlor	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/22/2018 7:57:00 PM	Metribuzin	n/a	<	0.075	µg/L	EPA 525.2	0.075	0.5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/21/2018 9:38:00 PM	Mevinphos	n/a	<	0.021	µg/L	EPA 525.2m	0.021	0.05	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/22/2018 7:57:00 PM	Molinate	n/a	<	0.2	µg/L	EPA 525.2	0.2	0.5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/21/2018 9:38:00 PM	Naled	n/a	<	0.038	µg/L	EPA 525.2m	0.038	0.05	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/23/2018 10:13:00 AM	Pentachlorophenol	n/a	<	0.75	µg/L	EPA 8270C	0.75	5	WKL	EST-LCSRPD
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/21/2018 11:40:00 PM	Pentachlorophenol	n/a	DNQ	0.14	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/22/2018 8:12:00 AM	Pentachlorophenol	n/a	DNQ	4	µg/L	EPA 625	0.95	5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/21/2018 9:38:00 PM	Phorate	n/a	<	0.015	µg/L	EPA 525.2m	0.015	0.05	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/21/2018 11:40:00 PM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/22/2018 7:57:00 PM	Prometon	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	EST-LCSRPD
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/22/2018 7:57:00 PM	Prometryn	n/a	<	0.18	µg/L	EPA 525.2	0.18	0.5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/21/2018 9:38:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.02	µg/L	EPA 525.2m	0.02	0.05	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/22/2018 7:57:00 PM	Simazine	n/a	<	0.075	µg/L	EPA 525.2	0.075	0.5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/21/2018 9:38:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.016	µg/L	EPA 525.2m	0.016	0.05	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/22/2018 7:57:00 PM		n/a	<	2.8	µg/L	EPA 525.2	2.8	10	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/22/2018 7:57:00 PM		n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/21/2018 9:38:00 PM		n/a	<	0.039	µg/L	EPA 525.2m	0.039	0.05	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/25/2018 4:59:00 AM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/21/2018 9:38:00 PM	Trichloronate	n/a	<	0.034	µg/L	EPA 525.2m	0.034	0.05	WKL	
MO-MEI	2017/18-3	Wet	3/11/2018 9:25:00 AM	3/22/2018 7:57:00 PM	Trithion	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.5	WKL	
MO-MPK	2017/18-1	Wet	1/8/2018 5:40:00 PM	1/9/2018 4:30:00 PM	E. Coli	n/a	=	8664	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-MPK	2017/18-1	Wet	1/8/2018 5:40:00 PM	1/12/2018 2:30:00 PM	Fecal Coliform	n/a	=	3500	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-MPK	2017/18-1	Wet	1/8/2018 5:40:00 PM	1/9/2018 4:30:00 PM	Total Coliform	n/a	=	235900	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-MPK	2017/18-1	Wet	1/8/2018 5:40:00 PM	1/8/2018 5:40:00 PM	Conductivity	n/a	=	364.6	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MPK	2017/18-1	Wet	1/8/2018 5:40:00 PM	1/16/2018 6:51:00 PM	Cyanide	Total	DNQ	0.0018	mg/L	ASTM D7511	0.0005	0.002	Field Crew	
MO-MPK	2017/18-1	Wet	1/8/2018 5:40:00 PM	1/8/2018 5:40:00 PM	DO	n/a	=	8.56	mg/L	Field Meter	-88	0.3	Field Crew	
MO-MPK	2017/18-1	Wet	1/8/2018 5:40:00 PM	1/8/2018 5:40:00 PM	DO	n/a	=	84.9	%	Field Meter	-88	0.1	Field Crew	
MO-MPK	2017/18-1	Wet	1/8/2018 5:40:00 PM	1/8/2018 5:40:00 PM	pH	n/a	=	7.53	pH Units	Field Meter	-88	0.01	Field Crew	
MO-MPK	2017/18-1	Wet	1/8/2018 5:40:00 PM	1/8/2018 5:40:00 PM	Salinity	n/a	=	200	mg/L	Field Meter	-88	100	Field Crew	
MO-MPK	2017/18-1	Wet	1/8/2018 5:40:00 PM	1/8/2018 5:40:00 PM	Specific Conductance	n/a	=	449.5	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MPK	2017/18-1	Wet	1/8/2018 5:40:00 PM	1/8/2018 5:40:00 PM	Temperature	n/a	=	15.2	°C	Field Meter	-88	0.1	Field Crew	
MO-MPK	2017/18-1	Wet	1/8/2018 5:40:00 PM	1/18/2018 10:38:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
MO-MPK	2017/18-1	Wet	1/8/2018 5:40:00 PM	1/19/2018 5:44:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-MPK	2017/18-1	Wet	1/8/2018 5:40:00 PM	1/12/2018 8:28:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-MPK	2017/18-1	Wet	1/8/2018 5:40:00 PM	1/12/2018 8:28:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/15/2018 1:00:00 PM	Chloride	n/a	=	22	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/15/2018 1:00:00 PM	Fluoride	n/a	=	0.12	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/17/2018 10:11:00 PM	Perchlorate	n/a	<	1.9	µg/L	EPA 314.0	1.9	4	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/15/2018 1:00:00 PM	Sulfate	Total	=	29	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/18/2018 11:25:00 AM	Calcium	Total	=	52.5	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/18/2018 11:25:00 AM	Magnesium	Total	=	14.9	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/18/2018 11:25:00 AM	Potassium	Total	=	14	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/18/2018 11:25:00 AM	Sodium	Total	=	19	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/15/2018 1:41:00 PM	Alkalinity as CaCO3	n/a	=	74	mg/L	SM 2320 B	0.56	2	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/16/2018 5:05:00 PM	BOD	n/a	=	41	mg/L	SM 5210 B	2	2	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/18/2018 12:35:00 PM	COD	n/a	=	100	mg/L	EPA 410.4	0.73	5	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/22/2018 4:21:00 PM	Dissolved Inorganic Carbon	Dissolved	=	11	mg/L	SM 5310 B	0.5	0.5	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/15/2018 12:47:00 PM	Dissolved Organic Carbon	Dissolved	=	15	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/18/2018 11:25:00 AM	Hardness as CaCO3	Total	=	193	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/11/2018 9:34:00 PM	MBAS	n/a	=	0.083	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/19/2018 11:02:00 AM	Phenolics	n/a	=	0.027	mg/L	EPA 420.4	0.0042	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/16/2018 1:51:00 PM	Specific Conductance	n/a	=	330	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/16/2018 8:53:00 PM	Total Dissolved Solids	n/a	=	210	mg/L	SM 2540 C	4	10	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/12/2018 8:49:00 AM	Total Organic Carbon	n/a	=	13	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/15/2018 1:45:00 PM	Total Suspended Solids	n/a	=	3800	mg/L	SM 2540 D	-88	5	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/11/2018 10:25:00 AM	Turbidity	n/a	=	110	NTU	EPA 180.1	0.24	1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/15/2018 1:45:00 PM	Volatile Suspended Solids	n/a	=	420	mg/L	EPA 160.4	3.1	5	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 6:30:00 PM	Diesel Range Organics	n/a	=	0.39	mg/L	EPA 8015D	0.024	0.1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 6:30:00 PM	Oil Range Organics	n/a	DNQ	0.35	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 12:18:00 PM	Aluminum	Dissolved	=	28	µg/L	EPA 200.8	1.3	5	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 12:22:00 PM	Aluminum	Total	=	26000	µg/L	EPA 200.8	1.3	5	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 12:18:00 PM	Antimony	Dissolved	=	0.52	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 12:22:00 PM	Antimony	Total	=	0.78	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 12:18:00 PM	Arsenic	Dissolved	=	2.1	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 12:22:00 PM	Arsenic	Total	=	9	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 12:22:00 PM	Barium	Total	=	380	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 12:18:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 12:22:00 PM	Beryllium	Total	=	1.1	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 12:18:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 12:22:00 PM	Cadmium	Total	=	2.4	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 12:18:00 PM	Chromium	Dissolved	=	0.47	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 12:22:00 PM	Chromium	Total	=	47	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/21/2018 1:18:00 PM	Chromium VI	n/a	=	0.58	µg/L	EPA 218.6	0.0096	0.04	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 12:18:00 PM	Copper	Dissolved	=	4.1	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 12:22:00 PM	Copper	Total	=	54	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/18/2018 10:48:00 AM	Iron	Dissolved	=	41	µg/L	EPA 200.7	1.1	10	WKL	LB-MSR
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/18/2018 11:25:00 AM	Iron	Total	=	32000	µg/L	EPA 200.7	1.1	10	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 12:18:00 PM	Lead	Dissolved	DNQ	0.098	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 12:22:00 PM	Lead	Total	=	40	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/18/2018 3:39:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/18/2018 3:41:00 PM	Mercury	Total	=	110	ng/L	EPA 245.1	17	50	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 12:18:00 PM	Nickel	Dissolved	=	1.9	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 12:22:00 PM	Nickel	Total	=	45	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 12:18:00 PM	Selenium	Dissolved	=	1.4	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 12:22:00 PM	Selenium	Total	=	2	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 12:18:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 12:22:00 PM	Silver	Total	=	0.22	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 12:18:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 12:22:00 PM	Thallium	Total	=	0.42	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 12:18:00 PM	Zinc	Dissolved	=	5	µg/L	EPA 200.8	0.94	5	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 12:22:00 PM	Zinc	Total	=	340	µg/L	EPA 200.8	0.94	5	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/13/2018 8:03:00 PM	Ammonia as N	n/a	=	0.43	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/15/2018 12:27:00 PM	Nitrate + Nitrite as N	n/a	=	5.9	mg/L	EPA 353.2	0.083	0.2	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/15/2018 7:08:00 PM	Phosphorus as P	Dissolved	=	0.4	mg/L	EPA 365.1	0.0056	0.04	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/18/2018 2:37:00 PM	Phosphorus as P	Total	=	1.9	mg/L	EPA 365.1	0.035	0.25	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/26/2018 5:09:00 PM	TKN	n/a	=	4.3	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 10:36:00 PM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 10:36:00 PM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 10:36:00 PM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 10:36:00 PM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 10:36:00 PM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	2/1/2018 11:54:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/29/2018 6:06:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 10:36:00 PM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/29/2018 6:06:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 10:36:00 PM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/29/2018 6:06:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	EST-LCSRPD
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/29/2018 6:06:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	EST-LCSRPD
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 10:36:00 PM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 10:36:00 PM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/29/2018 6:06:00 PM	2,4-Dinitrophenol	n/a	DNQ	1.1	µg/L	EPA 8270C	1	2	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 10:36:00 PM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 10:36:00 PM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 10:36:00 PM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 10:36:00 PM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/29/2018 6:06:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	2/1/2018 11:54:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/29/2018 6:06:00 PM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 10:36:00 PM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/29/2018 6:06:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	EST-LCSRPD
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 10:36:00 PM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/29/2018 6:06:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/29/2018 6:06:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 10:36:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 10:36:00 PM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 10:36:00 PM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/29/2018 6:06:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 10:36:00 PM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 10:36:00 PM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/29/2018 6:06:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	2/1/2018 11:54:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 10:36:00 PM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	2/1/2018 11:54:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 10:36:00 PM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 10:36:00 PM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	2/1/2018 11:54:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 10:36:00 PM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	2/1/2018 11:54:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 10:36:00 PM	Benzdine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/23/2018 5:35:00 PM	Benzo(a)pyrene	n/a	<	0.7	µg/L	EPA 525.2	0.7	1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	2/1/2018 11:54:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 10:36:00 PM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	2/1/2018 11:54:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 10:36:00 PM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	2/1/2018 11:54:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 10:36:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 10:36:00 PM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	2/1/2018 11:54:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 10:36:00 PM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 10:36:00 PM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 10:36:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/23/2018 5:35:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	1	µg/L	EPA 525.2	1	50	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/23/2018 5:35:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	11	µg/L	EPA 525.2	11	30	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 10:36:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 10:36:00 PM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	2/1/2018 11:54:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 10:36:00 PM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 10:36:00 PM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	2/1/2018 11:54:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 10:36:00 PM	Diethyl phthalate	n/a	DNQ	0.25	µg/L	EPA 625	0.15	1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 10:36:00 PM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 10:36:00 PM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 10:36:00 PM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	2/1/2018 11:54:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	EST-LCSRPD
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 10:36:00 PM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	2/1/2018 11:54:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 10:36:00 PM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 10:36:00 PM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 10:36:00 PM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 10:36:00 PM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 10:36:00 PM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 10:36:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	2/1/2018 11:54:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 10:36:00 PM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	2/1/2018 11:54:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 10:36:00 PM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 10:36:00 PM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 10:36:00 PM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 10:36:00 PM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 10:36:00 PM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 10:36:00 PM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	2/1/2018 11:54:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 10:36:00 PM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/29/2018 6:06:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 10:36:00 PM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	2/1/2018 11:54:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/24/2018 5:09:00 AM	PCB Aroclor 1016	n/a	<	0.5	µg/L	EPA 608	0.5	5	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/24/2018 5:09:00 AM	PCB Aroclor 1221	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/24/2018 5:09:00 AM	PCB Aroclor 1232	n/a	<	1.5	µg/L	EPA 608	1.5	5	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/24/2018 5:09:00 AM	PCB Aroclor 1242	n/a	<	0.7	µg/L	EPA 608	0.7	5	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/24/2018 5:09:00 AM	PCB Aroclor 1248	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/24/2018 5:09:00 AM	PCB Aroclor 1254	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/24/2018 5:09:00 AM	PCB Aroclor 1260	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/13/2018 4:18:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/13/2018 4:18:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/13/2018 4:18:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/13/2018 4:18:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/13/2018 4:18:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/24/2018 5:09:00 AM	4,4'-DDD	n/a	<	0.03	µg/L	EPA 608	0.03	0.5	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/24/2018 5:09:00 AM	4,4'-DDE	n/a	<	0.025	µg/L	EPA 608	0.025	0.5	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/24/2018 5:09:00 AM	4,4'-DDT	n/a	<	0.031	µg/L	EPA 608	0.031	0.1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/13/2018 4:18:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/23/2018 5:35:00 PM	Alachlor	n/a	<	0.22	µg/L	EPA 525.2	0.22	1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/24/2018 5:09:00 AM	Aldrin	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/24/2018 5:09:00 AM	alpha-BHC	n/a	<	0.018	µg/L	EPA 608	0.018	0.1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/24/2018 5:09:00 AM	alpha-Chlordane	n/a	<	0.041	µg/L	EPA 608	0.041	0.1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/23/2018 5:35:00 PM	Atrazine	n/a	<	0.34	µg/L	EPA 525.2	0.34	1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/30/2018 8:29:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/13/2018 4:18:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/24/2018 5:09:00 AM	beta-BHC	n/a	<	0.031	µg/L	EPA 608	0.031	0.05	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/30/2018 8:29:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/23/2018 5:35:00 PM	Bromacil	n/a	DNQ	3.2	µg/L	EPA 525.2	0.38	10	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/23/2018 5:35:00 PM	Butachlor	n/a	<	0.17	µg/L	EPA 525.2	0.17	2	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/23/2018 5:35:00 PM	Captan	n/a	<	8.6	µg/L	EPA 525.2	8.6	10	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/24/2018 5:09:00 AM	Chlordane (technical)	n/a	<	0.8	µg/L	EPA 608	0.8	1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/23/2018 5:35:00 PM	Chlorpropham	n/a	<	0.1	µg/L	EPA 525.2	0.1	1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/30/2018 8:29:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/30/2018 8:29:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/23/2018 5:35:00 PM	Cyanazine	n/a	<	0.24	µg/L	EPA 525.2	0.24	1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/13/2018 4:18:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/13/2018 4:18:00 AM	DCCA (Dacthal)	n/a	=	0.85	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/24/2018 5:09:00 AM	delta-BHC	n/a	<	0.025	µg/L	EPA 608	0.025	0.05	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/30/2018 8:29:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/30/2018 8:29:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/23/2018 5:35:00 PM	Diazinon	n/a	<	0.96	µg/L	EPA 525.2	0.96	1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/30/2018 8:29:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/13/2018 4:18:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/13/2018 4:18:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/30/2018 8:29:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/24/2018 5:09:00 AM	Dieldrin	n/a	<	0.021	µg/L	EPA 608	0.021	0.1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/23/2018 5:35:00 PM	Dimethoate	n/a	<	0.24	µg/L	EPA 525.2	0.24	2	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/30/2018 8:29:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/13/2018 4:18:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/23/2018 5:35:00 PM	Diphenamid	n/a	<	0.24	µg/L	EPA 525.2	0.24	1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/23/2018 5:35:00 PM	Disulfoton	n/a	<	0.31	µg/L	EPA 525.2	0.31	1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/30/2018 8:29:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/24/2018 5:09:00 AM	Endosulfan I	n/a	<	0.017	µg/L	EPA 608	0.017	0.2	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/24/2018 5:09:00 AM	Endosulfan II	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/24/2018 5:09:00 AM	Endosulfan sulfate	n/a	<	0.08	µg/L	EPA 608	0.08	0.5	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/24/2018 5:09:00 AM	Endrin	n/a	<	0.028	µg/L	EPA 608	0.028	0.1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/24/2018 5:09:00 AM	Endrin aldehyde	n/a	<	0.03	µg/L	EPA 608	0.03	0.1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/23/2018 5:35:00 PM	EPTC	n/a	<	0.17	µg/L	EPA 525.2	0.17	10	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/30/2018 8:29:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/30/2018 8:29:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/30/2018 8:29:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/30/2018 8:29:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/24/2018 5:09:00 AM	gamma-BHC (Lindane)	n/a	<	0.021	µg/L	EPA 608	0.021	0.2	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/24/2018 5:09:00 AM	gamma-Chlordane	n/a	<	0.044	µg/L	EPA 608	0.044	0.1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/11/2018 6:52:00 PM	Glyphosate	n/a	=	11	µg/L	EPA 547	3.6	10	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/24/2018 5:09:00 AM	Heptachlor	n/a	<	0.017	µg/L	EPA 608	0.017	0.1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/24/2018 5:09:00 AM	Heptachlor epoxide	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/30/2018 8:29:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/30/2018 8:29:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/24/2018 5:09:00 AM	Methoxychlor	n/a	<	0.054	µg/L	EPA 608	0.054	0.2	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/30/2018 8:29:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/23/2018 5:35:00 PM	Metolachlor	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/23/2018 5:35:00 PM	Metribuzin	n/a	<	0.15	µg/L	EPA 525.2	0.15	1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/30/2018 8:29:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/23/2018 5:35:00 PM	Molinate	n/a	<	0.39	µg/L	EPA 525.2	0.39	1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/30/2018 8:29:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/13/2018 4:18:00 AM	Pentachlorophenol	n/a	=	1.6	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/25/2018 10:36:00 PM	Pentachlorophenol	n/a	=	2.8	µg/L	EPA 625	0.19	1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/29/2018 6:06:00 PM	Pentachlorophenol	n/a	=	2	µg/L	EPA 8270C	0.15	1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/30/2018 8:29:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/13/2018 4:18:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/23/2018 5:35:00 PM	Prometon	n/a	<	0.24	µg/L	EPA 525.2	0.24	2	WKL	EST-LCSRPD
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/23/2018 5:35:00 PM	Prometryn	n/a	<	0.36	µg/L	EPA 525.2	0.36	1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/30/2018 8:29:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/23/2018 5:35:00 PM	Simazine	n/a	<	0.15	µg/L	EPA 525.2	0.15	1	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/30/2018 8:29:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/23/2018 5:35:00 PM	Terbacil	n/a	<	5.5	µg/L	EPA 525.2	5.5	20	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/23/2018 5:35:00 PM	Thiobencarb	n/a	<	0.25	µg/L	EPA 525.2	0.25	2	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/30/2018 8:29:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/24/2018 5:09:00 AM	Toxaphene	n/a	<	1.2	µg/L	EPA 608	1.2	5	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/30/2018 8:29:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-MPK	2017/18-1	Wet	1/10/2018 9:10:00 AM	1/23/2018 5:35:00 PM	Trithion	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-MPK	2017/18-2	Wet	3/2/2018 4:35:00 AM	3/3/2018 11:00:00 AM	E. Coli	n/a	=	14136	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-MPK	2017/18-2	Wet	3/2/2018 4:35:00 AM	3/6/2018 11:32:00 AM	Fecal Coliform	n/a	=	350000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-MPK	2017/18-2	Wet	3/2/2018 4:35:00 AM	3/3/2018 11:00:00 AM	Total Coliform	n/a	=	24196	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-MPK	2017/18-2	Wet	3/2/2018 4:35:00 AM	3/2/2018 4:35:00 AM	Conductivity	n/a	=	283.8	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MPK	2017/18-2	Wet	3/2/2018 4:35:00 AM	3/9/2018 4:06:00 PM	Cyanide	Total	=	0.0023	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-MPK	2017/18-2	Wet	3/2/2018 4:35:00 AM	3/2/2018 4:35:00 AM	DO	n/a	=	96.6	%	Field Meter	-88	0.1	Field Crew	
MO-MPK	2017/18-2	Wet	3/2/2018 4:35:00 AM	3/2/2018 4:35:00 AM	DO	n/a	=	10.54	mg/L	Field Meter	-88	0.3	Field Crew	
MO-MPK	2017/18-2	Wet	3/2/2018 4:35:00 AM	3/2/2018 4:35:00 AM	pH	n/a	=	7.59	pH Units	Field Meter	-88	0.01	Field Crew	
MO-MPK	2017/18-2	Wet	3/2/2018 4:35:00 AM	3/2/2018 4:35:00 AM	Salinity	n/a	=	200	mg/L	Field Meter	-88	100	Field Crew	
MO-MPK	2017/18-2	Wet	3/2/2018 4:35:00 AM	3/2/2018 4:35:00 AM	Specific Conductance	n/a	=	383.1	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MPK	2017/18-2	Wet	3/2/2018 4:35:00 AM	3/2/2018 4:35:00 AM	Temperature	n/a	=	11.4	°C	Field Meter	-88	0.1	Field Crew	
MO-MPK	2017/18-2	Wet	3/2/2018 4:35:00 AM	3/6/2018 3:11:00 AM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
MO-MPK	2017/18-2	Wet	3/2/2018 4:35:00 AM	3/13/2018 5:21:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-MPK	2017/18-2	Wet	3/2/2018 4:35:00 AM	3/6/2018 1:36:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-MPK	2017/18-2	Wet	3/2/2018 4:35:00 AM	3/6/2018 1:36:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/15/2018 7:00:00 PM	Chloride	n/a	=	18	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/15/2018 7:00:00 PM	Fluoride	n/a	=	0.21	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/5/2018 6:35:00 PM	Perchlorate	n/a	<	2.8	µg/L	EPA 314.0	2.8	6	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/15/2018 7:00:00 PM	Sulfate	Total	=	19	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/19/2018 3:53:00 PM	Calcium	Total	=	18.3	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/19/2018 3:53:00 PM	Magnesium	Total	=	4.6	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/19/2018 3:53:00 PM	Potassium	Total	=	5.8	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/19/2018 3:53:00 PM	Sodium	Total	=	17	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/5/2018 5:50:00 PM	Alkalinity as CaCO3	n/a	=	62	mg/L	SM 2320 B	0.56	2	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/9/2018 12:10:00 PM	BOD	n/a	=	9	mg/L	SM 5210 B	2	2	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/13/2018 9:29:00 AM	COD	n/a	=	76	mg/L	EPA 410.4	0.73	5	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/13/2018 12:33:00 PM	Dissolved Inorganic Carbon	Dissolved	=	13	mg/L	SM 5310 B	0.5	0.5	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/9/2018 8:50:00 AM	Dissolved Organic Carbon	Dissolved	=	14	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/19/2018 3:53:00 PM	Hardness as CaCO3	Total	=	64.7	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/4/2018 7:25:00 PM	MBAS	n/a	=	0.19	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/26/2018 4:02:00 PM	Phenolics	n/a	=	0.12	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/7/2018 4:04:00 PM	Specific Conductance	n/a	=	230	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/8/2018 5:49:00 PM	Total Dissolved Solids	n/a	=	160	mg/L	SM 2540 C	4	10	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/12/2018 10:51:00 AM	Total Organic Carbon	n/a	=	14	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/8/2018 5:55:00 PM	Total Suspended Solids	n/a	=	240	mg/L	SM 2540 D	-88	5	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/4/2018 11:49:00 AM	Turbidity	n/a	=	24	NTU	EPA 180.1	0.024	0.1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/8/2018 5:55:00 PM	Volatile Suspended Solids	n/a	=	36	mg/L	EPA 160.4	3.1	5	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/15/2018 11:21:00 PM	Diesel Range Organics	n/a	=	1	mg/L	EPA 8015D	0.024	0.1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/15/2018 11:21:00 PM	Oil Range Organics	n/a	=	1	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/19/2018 3:47:00 PM	Aluminum	Dissolved	=	30	µg/L	EPA 200.8	1.3	5	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/19/2018 3:09:00 PM	Aluminum	Total	=	3900	µg/L	EPA 200.8	1.3	5	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/20/2018 1:16:00 PM	Antimony	Dissolved	=	0.66	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/20/2018 1:19:00 PM	Antimony	Total	=	0.83	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/19/2018 3:47:00 PM	Arsenic	Dissolved	=	1.5	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/19/2018 3:09:00 PM	Arsenic	Total	=	2.7	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/19/2018 3:09:00 PM	Barium	Total	=	100	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/20/2018 1:16:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/20/2018 1:19:00 PM	Beryllium	Total	=	0.15	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/19/2018 3:47:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/19/2018 3:09:00 PM	Cadmium	Total	=	0.32	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/19/2018 3:47:00 PM	Chromium	Dissolved	=	1.5	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/19/2018 3:09:00 PM	Chromium	Total	=	8.8	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/11/2018 2:48:00 PM	Chromium VI	n/a	=	1.4	µg/L	EPA 218.6	0.024	0.1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/19/2018 3:47:00 PM	Copper	Dissolved	=	6.1	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/19/2018 3:09:00 PM	Copper	Total	=	17	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/19/2018 3:09:00 PM	Iron	Dissolved	=	36	µg/L	EPA 200.7	1.1	10	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/19/2018 3:53:00 PM	Iron	Total	=	4800	µg/L	EPA 200.7	1.1	10	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/19/2018 3:47:00 PM	Lead	Dissolved	DNQ	0.099	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/19/2018 3:09:00 PM	Lead	Total	=	5.8	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/15/2018 12:32:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/15/2018 12:34:00 PM	Mercury	Total	DNQ	25	ng/L	EPA 245.1	17	50	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/19/2018 3:47:00 PM	Nickel	Dissolved	=	2	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/19/2018 3:09:00 PM	Nickel	Total	=	8.4	µg/L	EPA 200.8	0.045	0.8	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/19/2018 3:47:00 PM	Selenium	Dissolved	DNQ	0.22	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/19/2018 3:09:00 PM	Selenium	Total	DNQ	0.37	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/19/2018 3:47:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/19/2018 3:09:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/19/2018 3:47:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/19/2018 3:09:00 PM	Thallium	Total	DNQ	0.048	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/19/2018 3:47:00 PM	Zinc	Dissolved	=	10	µg/L	EPA 200.8	0.94	5	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/19/2018 3:09:00 PM	Zinc	Total	=	74	µg/L	EPA 200.8	0.94	5	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/14/2018 6:29:00 PM	Ammonia as N	n/a	=	0.27	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/6/2018 3:12:00 PM	Nitrate + Nitrite as N	n/a	=	1.2	mg/L	EPA 353.2	0.083	0.2	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/19/2018 12:40:00 PM	Phosphorus as P	Dissolved	=	0.4	mg/L	EPA 365.1	0.0056	0.04	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/16/2018 12:05:00 PM	Phosphorus as P	Total	=	0.75	mg/L	EPA 365.1	0.014	0.1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/19/2018 3:16:00 PM	TKN	n/a	=	2.4	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/15/2018 4:33:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/15/2018 4:33:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/15/2018 4:33:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/15/2018 4:33:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/15/2018 4:33:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/20/2018 8:16:00 AM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/26/2018 5:18:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/26/2018 5:18:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/15/2018 4:33:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/15/2018 4:33:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/26/2018 5:18:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/15/2018 4:33:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	EST-LCSRPD
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/26/2018 5:18:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	LCSRPD, LB-L
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/26/2018 5:18:00 PM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/15/2018 4:33:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/15/2018 4:33:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/15/2018 4:33:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/15/2018 4:33:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/26/2018 5:18:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/15/2018 4:33:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/20/2018 8:16:00 AM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/26/2018 5:18:00 PM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/15/2018 4:33:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/26/2018 5:18:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/15/2018 4:33:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/26/2018 5:18:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/26/2018 5:18:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/15/2018 4:33:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/15/2018 4:33:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/26/2018 5:18:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/15/2018 4:33:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/15/2018 4:33:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/15/2018 4:33:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/26/2018 5:18:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/15/2018 4:33:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/20/2018 8:16:00 AM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/20/2018 8:16:00 AM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/15/2018 4:33:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/15/2018 4:33:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/20/2018 8:16:00 AM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/20/2018 8:16:00 AM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/15/2018 4:33:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/15/2018 4:33:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/20/2018 4:33:00 AM	Benzo(a)pyrene	n/a	<	0.35	µg/L	EPA 525.2	0.35	0.5	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/20/2018 8:16:00 AM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/20/2018 8:16:00 AM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/15/2018 4:33:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/20/2018 8:16:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/15/2018 4:33:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/15/2018 4:33:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/20/2018 8:16:00 AM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/15/2018 4:33:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/15/2018 4:33:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/15/2018 4:33:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/20/2018 2:53:00 AM	Bis(2-ethylhexyl)adipate	n/a	<	0.52	µg/L	EPA 525.2	0.52	25	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/15/2018 4:33:00 AM	Bis(2-ethylhexyl)phthalate	n/a	=	7	µg/L	EPA 625	2.3	5	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/20/2018 2:53:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	5.3	µg/L	EPA 525.2	5.3	15	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/15/2018 4:33:00 AM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/20/2018 8:16:00 AM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/15/2018 4:33:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/15/2018 4:33:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/20/2018 8:16:00 AM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/15/2018 4:33:00 AM	Diethyl phthalate	n/a	DNQ	0.29	µg/L	EPA 625	0.15	1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/15/2018 4:33:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/15/2018 4:33:00 AM	Di-n-butylphthalate	n/a	DNQ	0.27	µg/L	EPA 625	0.24	1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/15/2018 4:33:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/20/2018 8:16:00 AM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/15/2018 4:33:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/15/2018 4:33:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/20/2018 8:16:00 AM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/15/2018 4:33:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/15/2018 4:33:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/15/2018 4:33:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/15/2018 4:33:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/20/2018 8:16:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/15/2018 4:33:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/15/2018 4:33:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/15/2018 4:33:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/20/2018 8:16:00 AM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/15/2018 4:33:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/15/2018 4:33:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/15/2018 4:33:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/15/2018 4:33:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/20/2018 8:16:00 AM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/15/2018 4:33:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/26/2018 5:18:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/15/2018 4:33:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/15/2018 4:33:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/20/2018 8:16:00 AM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/20/2018 7:24:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/20/2018 7:24:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/20/2018 7:24:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/20/2018 7:24:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/20/2018 7:24:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/20/2018 7:24:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/20/2018 7:24:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/13/2018 4:54:00 PM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/13/2018 4:54:00 PM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/13/2018 4:54:00 PM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/13/2018 4:54:00 PM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/13/2018 4:54:00 PM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/20/2018 7:24:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/20/2018 7:24:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/20/2018 7:24:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/13/2018 4:54:00 PM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/20/2018 2:53:00 AM	Alachlor	n/a	<	0.11	µg/L	EPA 525.2	0.11	0.5	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/20/2018 7:24:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/20/2018 7:24:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/20/2018 7:24:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/20/2018 2:53:00 AM	Atrazine	n/a	<	0.17	µg/L	EPA 525.2	0.17	0.5	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/9/2018 3:46:00 AM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/13/2018 4:54:00 PM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/20/2018 7:24:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/9/2018 3:46:00 AM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/20/2018 2:53:00 AM	Bromacil	n/a	<	0.19	µg/L	EPA 525.2	0.19	5	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/20/2018 2:53:00 AM	Butachlor	n/a	<	0.085	µg/L	EPA 525.2	0.085	1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/20/2018 2:53:00 AM	Captan	n/a	<	4.3	µg/L	EPA 525.2	4.3	5	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/20/2018 7:24:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/20/2018 2:53:00 AM	Chlorpropham	n/a	<	0.05	µg/L	EPA 525.2	0.05	0.5	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/9/2018 3:46:00 AM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/9/2018 3:46:00 AM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/20/2018 2:53:00 AM	Cyanazine	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/13/2018 4:54:00 PM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/13/2018 4:54:00 PM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/20/2018 7:24:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/9/2018 3:46:00 AM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/9/2018 3:46:00 AM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/9/2018 3:46:00 AM	Diazinon	n/a	DNQ	0.0085	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/20/2018 2:53:00 AM	Diazinon	n/a	<	0.48	µg/L	EPA 525.2	0.48	0.5	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/13/2018 4:54:00 PM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/13/2018 4:54:00 PM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/9/2018 3:46:00 AM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/20/2018 7:24:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/21/2018 6:03:00 AM	Dimethoate	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/9/2018 3:46:00 AM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/13/2018 4:54:00 PM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/20/2018 2:53:00 AM	Diphenamid	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/20/2018 2:53:00 AM	Disulfoton	n/a	<	0.16	µg/L	EPA 525.2	0.16	0.5	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/9/2018 3:46:00 AM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/20/2018 7:24:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/20/2018 7:24:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/20/2018 7:24:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/20/2018 7:24:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/20/2018 7:24:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/20/2018 2:53:00 AM	EPTC	n/a	<	0.085	µg/L	EPA 525.2	0.085	5	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/9/2018 3:46:00 AM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/9/2018 3:46:00 AM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/9/2018 3:46:00 AM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/9/2018 3:46:00 AM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/20/2018 7:24:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/20/2018 7:24:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/9/2018 7:30:00 PM	Glyphosate	n/a	=	11	µg/L	EPA 547	1.8	5	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/20/2018 7:24:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/20/2018 7:24:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/9/2018 3:46:00 AM	Malathion	n/a	=	0.024	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/9/2018 3:46:00 AM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/20/2018 7:24:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/9/2018 3:46:00 AM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/20/2018 2:53:00 AM	Metolachlor	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.5	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/20/2018 2:53:00 AM	Metribuzin	n/a	<	0.075	µg/L	EPA 525.2	0.075	0.5	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/9/2018 3:46:00 AM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/20/2018 2:53:00 AM	Molinate	n/a	<	0.2	µg/L	EPA 525.2	0.2	0.5	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/9/2018 3:46:00 AM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/26/2018 5:18:00 PM	Pentachlorophenol	n/a	DNQ	0.54	µg/L	EPA 8270C	0.15	1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/15/2018 4:33:00 AM	Pentachlorophenol	n/a	DNQ	0.88	µg/L	EPA 625	0.19	1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/13/2018 4:54:00 PM	Pentachlorophenol	n/a	DNQ	0.097	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/9/2018 3:46:00 AM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/13/2018 4:54:00 PM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/20/2018 2:53:00 AM	Prometon	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/20/2018 2:53:00 AM	Prometryn	n/a	<	0.18	µg/L	EPA 525.2	0.18	0.5	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/9/2018 3:46:00 AM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/20/2018 3:46:00 AM	Simazine	n/a	<	0.075	µg/L	EPA 525.2	0.075	0.5	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/9/2018 3:46:00 AM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/20/2018 2:53:00 AM	Terbacil	n/a	<	2.8	µg/L	EPA 525.2	2.8	10	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/21/2018 6:03:00 AM	Thiobencarb	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/9/2018 3:46:00 AM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/20/2018 7:24:00 AM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/9/2018 3:46:00 AM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MPK	2017/18-2	Wet	3/3/2018 8:05:00 AM	3/20/2018 2:53:00 AM	Trithion	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/21/2018 2:00:00 PM	Chloride	n/a	=	12	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/21/2018 2:00:00 PM	Fluoride	n/a	=	0.14	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/12/2018 7:32:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/21/2018 2:00:00 PM	Sulfate	Total	=	14	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/26/2018 7:29:00 PM	Calcium	Total	=	16.7	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/26/2018 7:29:00 PM	Magnesium	Total	=	4.69	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/26/2018 7:29:00 PM	Potassium	Total	=	6.3	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/26/2018 7:29:00 PM	Sodium	Total	=	13	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/12/2018 1:51:00 PM	Alkalinity as CaCO3	n/a	=	53	mg/L	SM 2320 B	0.56	2	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/17/2018 7:25:00 PM	BOD	n/a	=	14	mg/L	SM 5210 B	2	2	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/19/2018 7:36:00 PM	COD	n/a	=	92	mg/L	EPA 410.4	0.73	5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/15/2018 1:47:00 PM	Dissolved Inorganic Carbon	Dissolved	=	9.7	mg/L	SM 5310 B	0.5	0.5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/19/2018 8:44:00 AM	Dissolved Organic Carbon	Dissolved	=	14	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/26/2018 7:29:00 PM	Hardness as CaCO3	Total	=	61	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/12/2018 4:40:00 PM	MBAS	n/a	=	0.13	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/27/2018 4:04:00 PM	Phenolics	n/a	DNQ	0.0067	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/14/2018 5:40:00 PM	Specific Conductance	n/a	=	180	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/15/2018 5:49:00 PM	Total Dissolved Solids	n/a	=	95	mg/L	SM 2540 C	4	10	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 10:17:00 AM	Total Organic Carbon	n/a	=	12	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/14/2018 1:40:00 PM	Total Suspended Solids	n/a	=	360	mg/L	SM 2540 D	-88	5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/12/2018 11:32:00 AM	Turbidity	n/a	=	39	NTU	EPA 180.1	0.024	0.1	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/14/2018 1:40:00 PM	Volatile Suspended Solids	n/a	=	94	mg/L	EPA 160.4	3.1	5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/20/2018 12:44:00 AM	Diesel Range Organics	n/a	=	1.4	mg/L	EPA 8015D	0.024	0.1	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/20/2018 12:44:00 AM	Oil Range Organics	n/a	=	1.8	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	4/2/2018 9:46:00 PM	Aluminum	Dissolved	=	45	µg/L	EPA 200.8	1.3	5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	4/2/2018 9:50:00 PM	Aluminum	Total	=	6100	µg/L	EPA 200.8	1.3	5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/31/2018 1:36:00 AM	Antimony	Dissolved	=	1	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/31/2018 1:44:00 AM	Antimony	Total	=	1.6	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/31/2018 1:36:00 AM	Arsenic	Dissolved	=	1.5	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/31/2018 1:44:00 AM	Arsenic	Total	=	3.2	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/31/2018 1:44:00 AM	Barium	Total	=	92	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/31/2018 1:36:00 AM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/31/2018 1:44:00 AM	Beryllium	Total	=	0.2	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/31/2018 1:36:00 AM	Cadmium	Dissolved	DNQ	0.05	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/31/2018 1:44:00 AM	Cadmium	Total	=	0.43	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/31/2018 1:36:00 AM	Chromium	Dissolved	=	0.98	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/31/2018 1:44:00 AM	Chromium	Total	=	12	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/15/2018 7:24:00 PM	Chromium VI	n/a	=	1.1	µg/L	EPA 218.6	0.024	0.1	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/31/2018 1:36:00 AM	Copper	Dissolved	=	6.2	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/31/2018 1:44:00 AM	Copper	Total	=	21	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/26/2018 6:51:00 PM	Iron	Dissolved	=	49	µg/L	EPA 200.7	1.1	10	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/26/2018 7:29:00 PM	Iron	Total	=	7100	µg/L	EPA 200.7	1.1	10	WKL	LB-MSR
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/31/2018 1:36:00 AM	Lead	Dissolved	DNQ	0.11	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/31/2018 1:44:00 AM	Lead	Total	=	8.2	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/23/2018 4:12:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/23/2018 4:14:00 PM	Mercury	Total	DNQ	21	ng/L	EPA 245.1	17	50	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/31/2018 1:36:00 AM	Nickel	Dissolved	=	2	µg/L	EPA 200.8	0.045	0.8	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/31/2018 1:44:00 AM	Nickel	Total	=	11	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	4/2/2018 9:46:00 PM	Selenium	Dissolved	DNQ	0.16	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	4/2/2018 9:50:00 PM	Selenium	Total	DNQ	0.33	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/31/2018 1:36:00 AM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/31/2018 1:44:00 AM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/31/2018 1:36:00 AM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/31/2018 1:44:00 AM	Thallium	Total	DNQ	0.08	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/31/2018 1:36:00 AM	Zinc	Dissolved	=	18	µg/L	EPA 200.8	0.94	5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/31/2018 1:44:00 AM	Zinc	Total	=	120	µg/L	EPA 200.8	0.94	5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/21/2018 8:47:00 PM	Ammonia as N	n/a	=	0.37	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/25/2018 10:25:00 AM	Nitrate + Nitrite as N	n/a	=	1.4	mg/L	EPA 353.2	0.083	0.2	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/27/2018 5:54:00 PM	Phosphorus as P	Dissolved	=	0.29	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 11:41:00 AM	Phosphorus as P	Total	=	0.84	mg/L	EPA 365.1	0.007	0.05	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/23/2018 3:23:00 PM	TKN	n/a	=	2.6	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 5:39:00 AM	1,2,4-Trichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 5:39:00 AM	1,2-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 5:39:00 AM	1,2-Diphenylhydrazine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 5:39:00 AM	1,3-Dichlorobenzene	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 5:39:00 AM	1,4-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/27/2018 6:58:00 PM	1-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/23/2018 7:50:00 AM	2,4,5-Trichlorophenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 5:39:00 AM	2,4,6-Trichlorophenol	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/23/2018 7:50:00 AM	2,4,6-Trichlorophenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 5:39:00 AM	2,4-Dichlorophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	EST-LCSRPD
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/23/2018 7:50:00 AM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 8270C	2.6	5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 5:39:00 AM	2,4-Dimethylphenol	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/23/2018 7:50:00 AM	2,4-Dimethylphenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 5:39:00 AM	2,4-Dinitrophenol	n/a	<	7.9	µg/L	EPA 625	7.9	50	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/23/2018 7:50:00 AM	2,4-Dinitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	EST-LCSRPD
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 5:39:00 AM	2,4-Dinitrotoluene	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 5:39:00 AM	2,6-Dinitrotoluene	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 5:39:00 AM	2-Chloronaphthalene	n/a	<	2.2	µg/L	EPA 625	2.2	5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/23/2018 7:50:00 AM	2-Chlorophenol	n/a	<	3.2	µg/L	EPA 8270C	3.2	5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 5:39:00 AM	2-Chlorophenol	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/27/2018 6:58:00 PM	2-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/23/2018 7:50:00 AM	2-Methylphenol	n/a	<	1.7	µg/L	EPA 8270C	1.7	5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 5:39:00 AM	2-Nitrophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/23/2018 7:50:00 AM	2-Nitrophenol	n/a	<	3.6	µg/L	EPA 8270C	3.6	5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 5:39:00 AM	3,3'-Dichlorobenzidine	n/a	<	6	µg/L	EPA 625	6	25	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/23/2018 7:50:00 AM	3-/4-Methylphenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/23/2018 7:50:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.7	µg/L	EPA 8270C	0.7	5	WKL	EST-LCSRPD
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 5:39:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	8.6	µg/L	EPA 625	8.6	25	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 5:39:00 AM	4-Bromophenyl phenyl ether	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 5:39:00 AM	4-Chloro-3-methylphenol	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/23/2018 7:50:00 AM	4-Chloro-3-methylphenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 5:39:00 AM	4-Chlorophenyl phenyl ether	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/23/2018 7:50:00 AM	4-Nitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	EST-LCSRPD
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 5:39:00 AM	4-Nitrophenol	n/a	<	2.2	µg/L	EPA 625	2.2	25	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/27/2018 6:58:00 PM	Acenaphthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 5:39:00 AM	Acenaphthene	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 5:39:00 AM	Acenaphthylene	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/27/2018 6:58:00 PM	Acenaphthylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 5:39:00 AM	Anthracene	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/27/2018 6:58:00 PM	Anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 5:39:00 AM	Benz(a)anthracene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/27/2018 6:58:00 PM	Benz(a)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 5:39:00 AM	Benidine	n/a	<	18	µg/L	EPA 625	18	50	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 5:39:00 AM	Benzo(a)pyrene	n/a	<	0.65	µg/L	EPA 625	0.65	5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/27/2018 6:58:00 PM	Benzo(a)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 5:41:00 PM	Benzo(a)pyrene	n/a	<	0.35	µg/L	EPA 525.2	0.35	0.5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 5:39:00 AM	Benzo(b)fluoranthene	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/27/2018 6:58:00 PM	Benzo(b)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 5:39:00 AM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 625	0.5	10	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/27/2018 6:58:00 PM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 5:39:00 AM	Benzo(k)fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/27/2018 6:58:00 PM	Benzo(k)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 5:39:00 AM	Bis(2-chloroethoxy)methane	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 5:39:00 AM	Bis(2-chloroethyl)ether	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 5:39:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 5:41:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.52	µg/L	EPA 525.2	0.52	25	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 5:41:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	5.3	µg/L	EPA 525.2	5.3	15	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 5:39:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	12	µg/L	EPA 625	12	25	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 5:39:00 AM	Butyl benzyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 5:39:00 AM	Chrysene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/27/2018 6:58:00 PM	Chrysene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/27/2018 6:58:00 PM	Dibenz(a,h)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 5:39:00 AM	Dibenz(a,h)anthracene	n/a	<	0.4	µg/L	EPA 625	0.4	10	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 5:39:00 AM	Diethyl phthalate	n/a	<	0.75	µg/L	EPA 625	0.75	5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 5:39:00 AM	Dimethyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 5:39:00 AM	Di-n-butylphthalate	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 5:39:00 AM	Di-n-octylphthalate	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 5:39:00 AM	Fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/27/2018 6:58:00 PM	Fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 5:39:00 AM	Fluorene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/27/2018 6:58:00 PM	Fluorene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 5:39:00 AM	Hexachlorobenzene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 5:39:00 AM	Hexachlorobutadiene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 5:39:00 AM	Hexachlorocyclopentadiene	n/a	<	7.3	µg/L	EPA 625	7.3	25	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 5:39:00 AM	Hexachloroethane	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/27/2018 6:58:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 5:39:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.6	µg/L	EPA 625	0.6	10	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 5:39:00 AM	Isophorone	n/a	<	1	µg/L	EPA 625	1	5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/27/2018 6:58:00 PM	Naphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 5:39:00 AM	Naphthalene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 5:39:00 AM	Nitrobenzene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 5:39:00 AM	N-Nitrosodimethylamine	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 5:39:00 AM	N-Nitrosodi-N-propylamine	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 5:39:00 AM	N-Nitrosodiphenylamine	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 5:39:00 AM	Phenanthrene	n/a	<	1.6	µg/L	EPA 625	1.6	5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/27/2018 6:58:00 PM	Phenanthrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 5:39:00 AM	Phenol	n/a	<	0.8	µg/L	EPA 625	0.8	5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/23/2018 7:50:00 AM	Phenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/27/2018 6:58:00 PM	Pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 5:39:00 AM	Pyrene	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/24/2018 10:54:00 PM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/24/2018 10:54:00 PM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/24/2018 10:54:00 PM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/24/2018 10:54:00 PM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/24/2018 10:54:00 PM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/24/2018 10:54:00 PM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/24/2018 10:54:00 PM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/17/2018 6:52:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/17/2018 6:52:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/17/2018 6:52:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/17/2018 6:52:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/17/2018 6:52:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/24/2018 10:54:00 PM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/24/2018 10:54:00 PM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/24/2018 10:54:00 PM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/17/2018 6:52:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 5:41:00 PM	Alachlor	n/a	<	0.11	µg/L	EPA 525.2	0.11	0.5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/24/2018 10:54:00 PM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/24/2018 10:54:00 PM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/24/2018 10:54:00 PM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 5:41:00 PM	Atrazine	n/a	<	0.17	µg/L	EPA 525.2	0.17	0.5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/21/2018 7:31:00 PM	Azinphos methyl	n/a	<	0.028	µg/L	EPA 525.2m	0.028	0.05	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/17/2018 6:52:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/24/2018 10:54:00 PM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/21/2018 7:31:00 PM	Bolstar	n/a	<	0.023	µg/L	EPA 525.2m	0.023	0.05	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 5:41:00 PM	Bromacil	n/a	<	0.19	µg/L	EPA 525.2	0.19	5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 5:41:00 PM	Butachlor	n/a	<	0.085	µg/L	EPA 525.2	0.085	1	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 5:41:00 PM	Captan	n/a	<	4.3	µg/L	EPA 525.2	4.3	5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/24/2018 10:54:00 PM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 5:41:00 PM	Chlorpropham	n/a	<	0.05	µg/L	EPA 525.2	0.05	0.5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/21/2018 7:31:00 PM	Chlorpyrifos	n/a	<	0.034	µg/L	EPA 525.2m	0.034	0.05	WKL	EST-MSRPD
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/21/2018 7:31:00 PM	Coumaphos	n/a	<	0.026	µg/L	EPA 525.2m	0.026	0.05	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 5:41:00 PM	Cyanazine	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/17/2018 6:52:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/17/2018 6:52:00 AM	DCPA (Dacthal)	n/a	=	0.14	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/24/2018 10:54:00 PM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/21/2018 7:31:00 PM	Demeton-O	n/a	<	0.05	µg/L	EPA 525.2m	0.05	0.05	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/21/2018 7:31:00 PM	Demeton-S	n/a	<	0.05	µg/L	EPA 525.2m	0.05	0.05	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 5:41:00 PM	Diazinon	n/a	<	0.48	µg/L	EPA 525.2	0.48	0.5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/21/2018 7:31:00 PM	Diazinon	n/a	<	0.026	µg/L	EPA 525.2m	0.026	0.05	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/17/2018 6:52:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/17/2018 6:52:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/21/2018 7:31:00 PM	Dichlorvos	n/a	DNQ	0.016	µg/L	EPA 525.2m	0.014	0.05	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/24/2018 10:54:00 PM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 5:41:00 PM	Dimethoate	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/21/2018 7:31:00 PM	Dimethoate	n/a	<	0.031	µg/L	EPA 525.2m	0.031	0.05	WKL	EST-MSRPD
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/17/2018 6:52:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 5:41:00 PM	Diphenamid	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 5:41:00 PM	Disulfoton	n/a	<	0.16	µg/L	EPA 525.2	0.16	0.5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/21/2018 7:31:00 PM	Disulfoton	n/a	<	0.05	µg/L	EPA 525.2m	0.05	0.05	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/24/2018 10:54:00 PM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/24/2018 10:54:00 PM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/24/2018 10:54:00 PM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/24/2018 10:54:00 PM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/24/2018 10:54:00 PM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 5:41:00 PM	EPTC	n/a	<	0.085	µg/L	EPA 525.2	0.085	5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/21/2018 7:31:00 PM	Ethoprop	n/a	<	0.034	µg/L	EPA 525.2m	0.034	0.05	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/21/2018 7:31:00 PM	Ethyl parathion	n/a	<	0.027	µg/L	EPA 525.2m	0.027	0.05	WKL	EST-MSRPD
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/21/2018 7:31:00 PM	Fensulfothion	n/a	<	0.014	µg/L	EPA 525.2m	0.014	0.05	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/21/2018 7:31:00 PM	Fenthion	n/a	<	0.019	µg/L	EPA 525.2m	0.019	0.05	WKL	EST-MSRPD
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/24/2018 10:54:00 PM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/24/2018 10:54:00 PM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 11:32:00 PM	Glyphosate	n/a	=	15	µg/L	EPA 547	1.8	5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/24/2018 10:54:00 PM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/24/2018 10:54:00 PM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/21/2018 7:31:00 PM	Malathion	n/a	<	0.038	µg/L	EPA 525.2m	0.038	0.05	WKL	EST-MSRPD
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/21/2018 7:31:00 PM	Merphos	n/a	<	0.029	µg/L	EPA 525.2m	0.029	0.05	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/24/2018 10:54:00 PM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/21/2018 7:31:00 PM	Methyl parathion	n/a	<	0.032	µg/L	EPA 525.2m	0.032	0.05	WKL	EST-MSRPD
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 5:41:00 PM	Metolachlor	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 5:41:00 PM	Metribuzin	n/a	<	0.075	µg/L	EPA 525.2	0.075	0.5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/21/2018 7:31:00 PM	Mevinphos	n/a	<	0.021	µg/L	EPA 525.2m	0.021	0.05	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 5:41:00 PM	Molinate	n/a	<	0.2	µg/L	EPA 525.2	0.2	0.5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/21/2018 7:31:00 PM	Naled	n/a	<	0.038	µg/L	EPA 525.2m	0.038	0.05	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/23/2018 7:50:00 AM	Pentachlorophenol	n/a	<	0.75	µg/L	EPA 8270C	0.75	5	WKL	EST-LCSRPD
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/17/2018 6:52:00 AM	Pentachlorophenol	n/a	DNQ	0.092	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 5:39:00 AM	Pentachlorophenol	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/21/2018 7:31:00 PM	Phorate	n/a	<	0.015	µg/L	EPA 525.2m	0.015	0.05	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/17/2018 6:52:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 5:41:00 PM	Prometon	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	EST-LCSRPD
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 5:41:00 PM	Prometryn	n/a	DNQ	0.2	µg/L	EPA 525.2	0.18	0.5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/21/2018 7:31:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.02	µg/L	EPA 525.2m	0.02	0.05	WKL	EST-MSRPD
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 5:41:00 PM	Simazine	n/a	<	0.075	µg/L	EPA 525.2	0.075	0.5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/21/2018 7:31:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.016	µg/L	EPA 525.2m	0.016	0.05	WKL	EST-MSRPD
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 5:41:00 PM	Terbacil	n/a	<	2.8	µg/L	EPA 525.2	2.8	10	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 5:41:00 PM	Thiobencarb	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/21/2018 7:31:00 PM	Tokuthion	n/a	<	0.039	µg/L	EPA 525.2m	0.039	0.05	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/24/2018 10:54:00 PM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/21/2018 7:31:00 PM	Trichloronate	n/a	<	0.034	µg/L	EPA 525.2m	0.034	0.05	WKL	EST-MSRPD
MO-MPK	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 5:41:00 PM	Trithion	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:30:00 PM	3/11/2018 11:34:00 PM	E. Coli	n/a	=	5172	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-MPK	2017/18-3	Wet	3/10/2018 5:30:00 PM	3/13/2018 9:30:00 PM	Fecal Coliform	n/a	=	5400	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-MPK	2017/18-3	Wet	3/10/2018 5:30:00 PM	3/11/2018 11:34:00 PM	Total Coliform	n/a	=	173290	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-MPK	2017/18-3	Wet	3/10/2018 5:30:00 PM	3/10/2018 5:30:00 PM	Conductivity	n/a	=	123.4	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MPK	2017/18-3	Wet	3/10/2018 5:30:00 PM	3/19/2018 4:29:00 PM	Cyanide	Total	DNQ	0.0007	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:30:00 PM	3/10/2018 5:30:00 PM	DO	n/a	=	87.1	%	Field Meter	-88	0.1	Field Crew	
MO-MPK	2017/18-3	Wet	3/10/2018 5:30:00 PM	3/10/2018 5:30:00 PM	DO	n/a	=	8.58	mg/L	Field Meter	-88	0.3	Field Crew	
MO-MPK	2017/18-3	Wet	3/10/2018 5:30:00 PM	3/10/2018 5:30:00 PM	pH	n/a	=	7.82	pH Units	Field Meter	-88	0.01	Field Crew	
MO-MPK	2017/18-3	Wet	3/10/2018 5:30:00 PM	3/10/2018 5:30:00 PM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	
MO-MPK	2017/18-3	Wet	3/10/2018 5:30:00 PM	3/10/2018 5:30:00 PM	Specific Conductance	n/a	=	147.2	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MPK	2017/18-3	Wet	3/10/2018 5:30:00 PM	3/10/2018 5:30:00 PM	Temperature	n/a	=	15.9	°C	Field Meter	-88	0.1	Field Crew	
MO-MPK	2017/18-3	Wet	3/10/2018 5:30:00 PM	3/14/2018 9:44:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:30:00 PM	3/27/2018 6:07:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:30:00 PM	3/13/2018 9:11:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-MPK	2017/18-3	Wet	3/10/2018 5:30:00 PM	3/13/2018 9:11:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-MPK	2017/18-5	Dry	5/30/2018 8:00:00 AM	6/4/2018 10:00:00 AM	Chloride	n/a	=	200	mg/L	EPA 300.0	0.4	2	WKL	
MO-MPK	2017/18-5	Dry	5/30/2018 8:00:00 AM	6/4/2018 10:00:00 AM	Fluoride	n/a	=	1.3	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-MPK	2017/18-5	Dry	5/30/2018 8:00:00 AM	6/7/2018 4:49:00 AM	Perchlorate	n/a	<	1.9	µg/L	EPA 314.0	1.9	4	WKL	
MO-MPK	2017/18-5	Dry	5/30/2018 8:00:00 AM	6/4/2018 10:00:00 AM	Sulfate	Total	=	130	mg/L	EPA 300.0	0.4	2	WKL	
MO-MPK	2017/18-5	Dry	5/30/2018 8:00:00 AM	6/7/2018 11:43:00 AM	Calcium	Total	=	59.5	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-MPK	2017/18-5	Dry	5/30/2018 8:00:00 AM	6/7/2018 11:43:00 AM	Magnesium	Total	=	21.5	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-MPK	2017/18-5	Dry	5/30/2018 8:00:00 AM	6/7/2018 11:43:00 AM	Potassium	Total	=	19	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-MPK	2017/18-5	Dry	5/30/2018 8:00:00 AM	6/7/2018 11:43:00 AM	Sodium	Total	=	150	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-MPK	2017/18-5	Dry	5/30/2018 8:00:00 AM	5/31/2018 1:09:00 PM	Alkalinity as CaCO3	n/a	=	200	mg/L	SM 2320 B	0.56	2	WKL	
MO-MPK	2017/18-5	Dry	5/30/2018 8:00:00 AM	6/5/2018 5:10:00 PM	BOD	n/a	=	4.8	mg/L	SM 5210 B	2	2	WKL	
MO-MPK	2017/18-5	Dry	5/30/2018 8:00:00 AM	6/7/2018 1:47:00 PM	COD	n/a	=	60	mg/L	EPA 410.4	0.73	5	WKL	
MO-MPK	2017/18-5	Dry	5/30/2018 8:00:00 AM	6/7/2018 11:43:00 AM	Hardness as CaCO3	Total	=	237	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-MPK	2017/18-5	Dry	5/30/2018 8:00:00 AM	5/31/2018 7:53:00 PM	MBAS	n/a	=	0.12	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-MPK	2017/18-5	Dry	5/30/2018 8:00:00 AM	6/5/2018 11:59:00 AM	Specific Conductance	n/a	=	1200	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-MPK	2017/18-5	Dry	5/30/2018 8:00:00 AM	6/5/2018 6:00:00 PM	Total Dissolved Solids	n/a	=	770	mg/L	SM 2540 C	4	10	WKL	
MO-MPK	2017/18-5	Dry	5/30/2018 8:00:00 AM	6/4/2018 8:07:00 PM	Total Suspended Solids	n/a	DNQ	4	mg/L	SM 2540 D	-88	5	WKL	
MO-MPK	2017/18-5	Dry	5/30/2018 8:00:00 AM	5/31/2018 1:08:00 PM	Turbidity	n/a	=	2	NTU	EPA 180.1	0.024	0.1	WKL	
MO-MPK	2017/18-5	Dry	5/30/2018 8:00:00 AM	6/4/2018 8:17:00 PM	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5	WKL	
MO-MPK	2017/18-5	Dry	5/30/2018 8:00:00 AM	6/8/2018 3:19:00 PM	Aluminum	Dissolved	DNQ	3.8	µg/L	EPA 200.8	1.3	5	WKL	UL-MB
MO-MPK	2017/18-5	Dry	5/30/2018 8:00:00 AM	6/8/2018 3:26:00 PM	Aluminum	Total	=	22	µg/L	EPA 200.8	1.3	5	WKL	
MO-MPK	2017/18-5	Dry	5/30/2018 8:00:00 AM	6/8/2018 3:19:00 PM	Antimony	Dissolved	DNQ	0.45	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-MPK	2017/18-5	Dry	5/30/2018 8:00:00 AM	6/8/2018 3:26:00 PM	Antimony	Total	DNQ	0.44	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-MPK	2017/18-5	Dry	5/30/2018 8:00:00 AM	6/8/2018 3:19:00 PM	Arsenic	Dissolved	=	3.2	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-MPK	2017/18-5	Dry	5/30/2018 8:00:00 AM	6/8/2018 3:26:00 PM	Arsenic	Total	=	3.2	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-MPK	2017/18-5	Dry	5/30/2018 8:00:00 AM	6/8/2018 3:26:00 PM	Barium	Total	=	90	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-MPK	2017/18-5	Dry	5/30/2018 8:00:00 AM	6/8/2018 3:19:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-MPK	2017/18-5	Dry	5/30/2018 8:00:00 AM	6/8/2018 3:26:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-MPK	2017/18-5	Dry	5/30/2018 8:00:00 AM	6/8/2018 3:19:00 PM	Cadmium	Dissolved	DNQ	0.09	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-MPK	2017/18-5	Dry	5/30/2018 8:00:00 AM	6/8/2018 3:26:00 PM	Cadmium	Total	=	0.12	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-MPK	2017/18-5	Dry	5/30/2018 8:00:00 AM	6/13/2018 6:15:00 PM	Chromium	Dissolved	=	0.39	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-MPK	2017/18-5	Dry	5/30/2018 8:00:00 AM	6/13/2018 6:19:00 PM	Chromium	Total	=	0.36	µg/L	EPA 200.8	0.035	0.2	WKL	UL-MB

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MPK	2017/18-5	Dry	5/30/2018 8:00:00 AM	6/7/2018 4:56:00 PM	Chromium VI	n/a	=	0.25	µg/L	EPA 218.6	0.024	0.1	WKL	
MO-MPK	2017/18-5	Dry	5/30/2018 8:00:00 AM	6/13/2018 6:15:00 PM	Copper	Dissolved	=	4.6	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-MPK	2017/18-5	Dry	5/30/2018 8:00:00 AM	6/13/2018 6:19:00 PM	Copper	Total	=	4.8	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-MPK	2017/18-5	Dry	5/30/2018 8:00:00 AM	6/7/2018 11:17:00 AM	Iron	Dissolved	=	10	µg/L	EPA 200.7	1.1	10	WKL	
MO-MPK	2017/18-5	Dry	5/30/2018 8:00:00 AM	6/7/2018 11:43:00 AM	Iron	Total	=	35	µg/L	EPA 200.7	1.1	10	WKL	
MO-MPK	2017/18-5	Dry	5/30/2018 8:00:00 AM	6/8/2018 3:19:00 PM	Lead	Dissolved	DNQ	0.07	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-MPK	2017/18-5	Dry	5/30/2018 8:00:00 AM	6/8/2018 3:26:00 PM	Lead	Total	DNQ	0.11	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-MPK	2017/18-5	Dry	5/30/2018 8:00:00 AM	6/12/2018 4:59:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-MPK	2017/18-5	Dry	5/30/2018 8:00:00 AM	6/12/2018 5:01:00 PM	Mercury	Total	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-MPK	2017/18-5	Dry	5/30/2018 8:00:00 AM	6/8/2018 3:19:00 PM	Nickel	Dissolved	=	3.7	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-MPK	2017/18-5	Dry	5/30/2018 8:00:00 AM	6/8/2018 3:26:00 PM	Nickel	Total	=	4.2	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-MPK	2017/18-5	Dry	5/30/2018 8:00:00 AM	6/8/2018 3:19:00 PM	Selenium	Dissolved	DNQ	0.24	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-MPK	2017/18-5	Dry	5/30/2018 8:00:00 AM	6/8/2018 3:26:00 PM	Selenium	Total	DNQ	0.25	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-MPK	2017/18-5	Dry	5/30/2018 8:00:00 AM	6/8/2018 3:19:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-MPK	2017/18-5	Dry	5/30/2018 8:00:00 AM	6/8/2018 3:26:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-MPK	2017/18-5	Dry	5/30/2018 8:00:00 AM	6/8/2018 3:19:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-MPK	2017/18-5	Dry	5/30/2018 8:00:00 AM	6/8/2018 3:26:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-MPK	2017/18-5	Dry	5/30/2018 8:00:00 AM	6/8/2018 3:19:00 PM	Zinc	Dissolved	DNQ	2.7	µg/L	EPA 200.8	0.94	5	WKL	
MO-MPK	2017/18-5	Dry	5/30/2018 8:00:00 AM	6/8/2018 3:26:00 PM	Zinc	Total	DNQ	2.9	µg/L	EPA 200.8	0.94	5	WKL	
MO-MPK	2017/18-5	Dry	5/30/2018 8:00:00 AM	5/31/2018 6:42:00 PM	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-MPK	2017/18-5	Dry	5/30/2018 8:00:00 AM	6/12/2018 12:18:00 PM	Nitrate + Nitrite as N	n/a	<	0.083	mg/L	EPA 353.2	0.083	0.2	WKL	
MO-MPK	2017/18-5	Dry	5/30/2018 8:00:00 AM	6/27/2018 12:04:00 PM	Phosphorus as P	Dissolved	=	0.045	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-MPK	2017/18-5	Dry	5/30/2018 8:00:00 AM	6/20/2018 12:58:00 PM	Phosphorus as P	Total	=	0.096	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-MPK	2017/18-5	Dry	5/30/2018 8:00:00 AM	6/7/2018 4:39:00 PM	TKN	n/a	=	1.7	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-MPK	2018-DRY	Dry	8/21/2018 8:40:00 AM	8/22/2018 6:30:00 AM	E. Coli	n/a	=	3448	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-MPK	2018-DRY	Dry	8/21/2018 8:40:00 AM	8/22/2018 6:30:00 AM	Total Coliform	n/a	=	410600	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-MPK	2018-DRY	Dry	8/21/2018 8:40:00 AM	8/24/2018 3:40:00 PM	Calcium	Total	=	55	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-MPK	2018-DRY	Dry	8/21/2018 8:40:00 AM	8/24/2018 3:40:00 PM	Magnesium	Total	=	28.1	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-MPK	2018-DRY	Dry	8/21/2018 8:40:00 AM	8/21/2018 8:40:00 AM	Conductivity	n/a	=	1368	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MPK	2018-DRY	Dry	8/21/2018 8:40:00 AM	8/21/2018 8:40:00 AM	Discharge	n/a	=	0.05	cfs	Field Estimate	-88	-88	Field Crew	EST
MO-MPK	2018-DRY	Dry	8/21/2018 8:40:00 AM	8/21/2018 8:40:00 AM	DO	n/a	=	116.1	%	Field Meter	-88	0.1	Field Crew	
MO-MPK	2018-DRY	Dry	8/21/2018 8:40:00 AM	8/21/2018 8:40:00 AM	DO	n/a	=	9.91	mg/L	Field Meter	-88	0.3	Field Crew	
MO-MPK	2018-DRY	Dry	8/21/2018 8:40:00 AM	8/24/2018 3:40:00 PM	Hardness as CaCO3	Total	=	253	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-MPK	2018-DRY	Dry	8/21/2018 8:40:00 AM	8/21/2018 8:40:00 AM	pH	n/a	=	8.79	pH Units	Field Meter	-88	0.01	Field Crew	
MO-MPK	2018-DRY	Dry	8/21/2018 8:40:00 AM	8/21/2018 8:40:00 AM	Salinity	n/a	=	700	mg/L	Field Meter	-88	100	Field Crew	
MO-MPK	2018-DRY	Dry	8/21/2018 8:40:00 AM	8/21/2018 8:40:00 AM	Specific Conductance	n/a	=	1421	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MPK	2018-DRY	Dry	8/21/2018 8:40:00 AM	8/21/2018 8:40:00 AM	Temperature	n/a	=	23	°C	Field Meter	-88	0.1	Field Crew	
MO-MPK	2018-DRY	Dry	8/21/2018 8:40:00 AM	8/28/2018 12:44:00 PM	Total Organic Carbon	n/a	=	24	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-MPK	2018-DRY	Dry	8/21/2018 8:40:00 AM	8/21/2018 8:40:00 AM	Turbidity	n/a	=	5.63	NTU	Field Meter	-88	0.01	Field Crew	
MO-MPK	2018-DRY	Dry	8/21/2018 8:40:00 AM	8/28/2018 4:46:00 PM	Copper	Dissolved	=	4	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-MPK	2018-DRY	Dry	8/21/2018 8:40:00 AM	8/28/2018 4:46:00 PM	Lead	Dissolved	DNQ	0.15	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-MPK	2018-DRY	Dry	8/21/2018 8:40:00 AM	8/28/2018 4:46:00 PM	Zinc	Dissolved	DNQ	3.6	µg/L	EPA 200.8	0.94	5	WKL	
MO-OJA	2017/18-1	Wet	1/8/2018 1:15:00 PM	1/9/2018 12:10:00 PM	E. Coli	n/a	=	241960	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-OJA	2017/18-1	Wet	1/8/2018 1:15:00 PM	1/10/2018 1:14:00 PM	Fecal Coliform	n/a	=	70000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-OJA	2017/18-1	Wet	1/8/2018 1:15:00 PM	1/9/2018 12:10:00 PM	Total Coliform	n/a	=	920800	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-OJA	2017/18-1	Wet	1/8/2018 1:15:00 PM	1/8/2018 1:15:00 PM	Conductivity	n/a	=	681	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OJA	2017/18-1	Wet	1/8/2018 1:15:00 PM	1/16/2018 6:51:00 PM	Cyanide	Total	=	0.0062	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-OJA	2017/18-1	Wet	1/8/2018 1:15:00 PM	1/8/2018 1:15:00 PM	DO	n/a	=	6.16	mg/L	Field Meter	-88	0.3	Field Crew	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2017/18-1	Wet	1/8/2018 1:15:00 PM	1/8/2018 1:15:00 PM	DO	n/a	=	67.2	%	Field Meter	-88	0.1	Field Crew	
MO-OJA	2017/18-1	Wet	1/8/2018 1:15:00 PM	1/8/2018 1:15:00 PM	pH	n/a	=	8.36	pH Units	Field Meter	-88	0.01	Field Crew	
MO-OJA	2017/18-1	Wet	1/8/2018 1:15:00 PM	1/8/2018 1:15:00 PM	Salinity	n/a	=	400	mg/L	Field Meter	-88	100	Field Crew	
MO-OJA	2017/18-1	Wet	1/8/2018 1:15:00 PM	1/8/2018 1:15:00 PM	Specific Conductance	n/a	=	827	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OJA	2017/18-1	Wet	1/8/2018 1:15:00 PM	1/8/2018 1:15:00 PM	Temperature	n/a	=	15.7	°C	Field Meter	-88	0.1	Field Crew	
MO-OJA	2017/18-1	Wet	1/8/2018 1:15:00 PM	1/18/2018 6:14:00 AM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
MO-OJA	2017/18-1	Wet	1/8/2018 1:15:00 PM	1/19/2018 5:44:00 PM	Oil and Grease	n/a	=	6.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-OJA	2017/18-1	Wet	1/8/2018 1:15:00 PM	1/12/2018 12:41:00 AM	2-Chloroethyl vinyl ether	n/a	<	2.8	µg/L	EPA 624	2.8	10	WKL	
MO-OJA	2017/18-1	Wet	1/8/2018 1:15:00 PM	1/12/2018 12:41:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	2.5	µg/L	EPA 624	2.5	10	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/15/2018 1:00:00 PM	Chloride	n/a	=	4.4	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/15/2018 1:00:00 PM	Fluoride	n/a	=	0.11	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/17/2018 11:06:00 PM	Perchlorate	n/a	<	9.5	µg/L	EPA 314.0	9.5	20	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/15/2018 1:00:00 PM	Sulfate	Total	=	16	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/18/2018 11:31:00 AM	Calcium	Total	=	51.9	mg/L	EPA 200.7	0.032	0.2	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/18/2018 11:31:00 AM	Magnesium	Total	=	17	mg/L	EPA 200.7	0.024	0.2	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/18/2018 11:31:00 AM	Potassium	Total	=	13	mg/L	EPA 200.7	0.16	0.2	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/18/2018 11:31:00 AM	Sodium	Total	=	4.3	mg/L	EPA 200.7	0.03	1	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/15/2018 1:41:00 PM	Alkalinity as CaCO3	n/a	=	90	mg/L	SM 2320 B	0.56	2	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/16/2018 5:05:00 PM	BOD	n/a	=	100	mg/L	SM 5210 B	2	2	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/18/2018 12:35:00 PM	COD	n/a	=	640	mg/L	EPA 410.4	1.5	10	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/22/2018 4:21:00 PM	Dissolved Inorganic Carbon	Dissolved	=	14	mg/L	SM 5310 B	0.5	0.5	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/15/2018 12:47:00 PM	Dissolved Organic Carbon	Dissolved	=	28	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/18/2018 11:31:00 AM	Hardness as CaCO3	Total	=	200	mg/L	EPA 200.7	0.179	1.32	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/11/2018 9:34:00 PM	MBAS	n/a	DNQ	0.031	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/19/2018 11:02:00 AM	Phenolics	n/a	=	0.086	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/16/2018 1:51:00 PM	Specific Conductance	n/a	=	230	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/16/2018 8:53:00 PM	Total Dissolved Solids	n/a	=	250	mg/L	SM 2540 C	4	10	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/12/2018 8:49:00 AM	Total Organic Carbon	n/a	=	28	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/15/2018 1:45:00 PM	Total Suspended Solids	n/a	=	7600	mg/L	SM 2540 D	-88	5	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/11/2018 10:25:00 AM	Turbidity	n/a	=	670	NTU	EPA 180.1	2.4	10	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/15/2018 1:45:00 PM	Volatile Suspended Solids	n/a	=	1000	mg/L	EPA 160.4	3.1	5	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 7:39:00 PM	Diesel Range Organics	n/a	=	0.6	mg/L	EPA 8015D	0.024	0.1	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 7:39:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 12:51:00 PM	Aluminum	Dissolved	=	110	µg/L	EPA 200.8	2.6	10	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 12:55:00 PM	Aluminum	Total	=	30000	µg/L	EPA 200.8	2.6	10	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 12:51:00 PM	Antimony	Dissolved	DNQ	0.5	µg/L	EPA 200.8	0.09	1	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 12:55:00 PM	Antimony	Total	<	0.09	µg/L	EPA 200.8	0.09	1	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 12:51:00 PM	Arsenic	Dissolved	=	3.3	µg/L	EPA 200.8	0.15	0.8	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 12:55:00 PM	Arsenic	Total	=	3.8	µg/L	EPA 200.8	0.15	0.8	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 12:55:00 PM	Barium	Total	=	610	µg/L	EPA 200.8	0.14	1	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 12:51:00 PM	Beryllium	Dissolved	<	0.066	µg/L	EPA 200.8	0.066	0.2	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 12:55:00 PM	Beryllium	Total	=	2.8	µg/L	EPA 200.8	0.066	0.2	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 12:51:00 PM	Cadmium	Dissolved	<	0.082	µg/L	EPA 200.8	0.082	0.2	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 12:55:00 PM	Cadmium	Total	=	1	µg/L	EPA 200.8	0.082	0.2	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 12:51:00 PM	Chromium	Dissolved	=	0.66	µg/L	EPA 200.8	0.07	0.4	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 12:55:00 PM	Chromium	Total	=	26	µg/L	EPA 200.8	0.07	0.4	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/21/2018 1:41:00 PM	Chromium VI	n/a	=	0.41	µg/L	EPA 218.6	0.0096	0.04	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 12:51:00 PM	Copper	Dissolved	=	7.8	µg/L	EPA 200.8	0.26	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 12:55:00 PM	Copper	Total	=	60	µg/L	EPA 200.8	0.26	1	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/18/2018 10:53:00 AM	Iron	Dissolved	=	74	µg/L	EPA 200.7	1.1	10	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/18/2018 11:31:00 AM	Iron	Total	=	30000	µg/L	EPA 200.7	2.2	20	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 12:51:00 PM	Lead	Dissolved	DNQ	0.19	µg/L	EPA 200.8	0.062	0.4	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 12:55:00 PM	Lead	Total	=	67	µg/L	EPA 200.8	0.062	0.4	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/18/2018 3:50:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/18/2018 3:52:00 PM	Mercury	Total	=	150	ng/L	EPA 245.1	17	50	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 12:51:00 PM	Nickel	Dissolved	=	2.7	µg/L	EPA 200.8	0.09	1.6	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 12:55:00 PM	Nickel	Total	=	47	µg/L	EPA 200.8	0.09	1.6	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 12:51:00 PM	Selenium	Dissolved	=	0.83	µg/L	EPA 200.8	0.28	0.8	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 12:55:00 PM	Selenium	Total	=	1.3	µg/L	EPA 200.8	0.28	0.8	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 12:51:00 PM	Silver	Dissolved	<	0.12	µg/L	EPA 200.8	0.12	0.4	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 12:55:00 PM	Silver	Total	<	0.12	µg/L	EPA 200.8	0.12	0.4	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 12:51:00 PM	Thallium	Dissolved	<	0.028	µg/L	EPA 200.8	0.028	0.4	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 12:55:00 PM	Thallium	Total	DNQ	0.31	µg/L	EPA 200.8	0.028	0.4	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 12:51:00 PM	Zinc	Dissolved	DNQ	3.7	µg/L	EPA 200.8	1.9	10	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 12:55:00 PM	Zinc	Total	=	240	µg/L	EPA 200.8	1.9	10	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/13/2018 8:03:00 PM	Ammonia as N	n/a	=	0.63	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/15/2018 12:30:00 PM	Nitrate + Nitrite as N	n/a	=	0.4	mg/L	EPA 353.2	0.083	0.2	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/15/2018 7:23:00 PM	Phosphorus as P	Dissolved	=	0.39	mg/L	EPA 365.1	0.014	0.1	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/22/2018 3:59:00 PM	Phosphorus as P	Total	=	4.3	mg/L	EPA 365.1	0.07	0.5	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/26/2018 5:09:00 PM	TKN	n/a	=	13	mg/L	EPA 351.2	0.2	0.4	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 11:35:00 PM	1,2,4-Trichlorobenzene	n/a	<	5.5	µg/L	EPA 625	5.5	10	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 11:35:00 PM	1,2-Dichlorobenzene	n/a	<	5.7	µg/L	EPA 625	5.7	10	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 11:35:00 PM	1,2-Diphenylhydrazine	n/a	<	2.5	µg/L	EPA 625	2.5	10	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 11:35:00 PM	1,3-Dichlorobenzene	n/a	<	5.3	µg/L	EPA 625	5.3	10	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 11:35:00 PM	1,4-Dichlorobenzene	n/a	<	5.5	µg/L	EPA 625	5.5	10	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	2/2/2018 1:00:00 AM	1-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/29/2018 7:03:00 PM	2,4,5-Trichlorophenol	n/a	<	2.9	µg/L	EPA 8270C	2.9	10	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 11:35:00 PM	2,4,6-Trichlorophenol	n/a	<	2.2	µg/L	EPA 625	2.2	10	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/29/2018 7:03:00 PM	2,4,6-Trichlorophenol	n/a	<	3	µg/L	EPA 8270C	3	10	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 11:35:00 PM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 625	2.6	10	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/29/2018 7:03:00 PM	2,4-Dichlorophenol	n/a	<	5.1	µg/L	EPA 8270C	5.1	10	WKL	EST-LCSRPD
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 11:35:00 PM	2,4-Dimethylphenol	n/a	<	3	µg/L	EPA 625	3	10	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/29/2018 7:03:00 PM	2,4-Dimethylphenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	EST-LCSRPD
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 11:35:00 PM	2,4-Dinitrophenol	n/a	<	16	µg/L	EPA 625	16	100	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/29/2018 7:03:00 PM	2,4-Dinitrophenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 11:35:00 PM	2,4-Dinitrotoluene	n/a	<	1.8	µg/L	EPA 625	1.8	10	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 11:35:00 PM	2,6-Dinitrotoluene	n/a	<	2.7	µg/L	EPA 625	2.7	10	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 11:35:00 PM	2-Chloronaphthalene	n/a	<	4.5	µg/L	EPA 625	4.5	10	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/29/2018 7:03:00 PM	2-Chlorophenol	n/a	<	6.5	µg/L	EPA 8270C	6.5	10	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 11:35:00 PM	2-Chlorophenol	n/a	<	2.8	µg/L	EPA 625	2.8	10	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	2/2/2018 1:00:00 AM	2-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/29/2018 7:03:00 PM	2-Methylphenol	n/a	<	3.4	µg/L	EPA 8270C	3.4	10	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 11:35:00 PM	2-Nitrophenol	n/a	<	2.6	µg/L	EPA 625	2.6	10	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/29/2018 7:03:00 PM	2-Nitrophenol	n/a	<	7.1	µg/L	EPA 8270C	7.1	10	WKL	EST-LCSRPD
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 11:35:00 PM	3,3'-Dichlorobenzidine	n/a	<	12	µg/L	EPA 625	12	50	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/29/2018 7:03:00 PM	3-/4-Methylphenol	n/a	<	3	µg/L	EPA 8270C	3	10	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/29/2018 7:03:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	10	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 11:35:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	17	µg/L	EPA 625	17	50	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 11:35:00 PM	4-Bromophenyl phenyl ether	n/a	<	3.6	µg/L	EPA 625	3.6	10	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/29/2018 7:03:00 PM	4-Chloro-3-methylphenol	n/a	<	3.7	µg/L	EPA 8270C	3.7	10	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 11:35:00 PM	4-Chloro-3-methylphenol	n/a	<	2.3	µg/L	EPA 625	2.3	10	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 11:35:00 PM	4-Chlorophenyl phenyl ether	n/a	<	4.1	µg/L	EPA 625	4.1	10	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 11:35:00 PM	4-Nitrophenol	n/a	<	4.5	µg/L	EPA 625	4.5	50	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/29/2018 7:03:00 PM	4-Nitrophenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 11:35:00 PM	Acenaphthene	n/a	<	3.8	µg/L	EPA 625	3.8	10	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	2/2/2018 1:00:00 AM	Acenaphthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 11:35:00 PM	Acenaphthylene	n/a	<	4	µg/L	EPA 625	4	10	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	2/2/2018 1:00:00 AM	Acenaphthylene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 11:35:00 PM	Anthracene	n/a	<	3.4	µg/L	EPA 625	3.4	10	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	2/2/2018 1:00:00 AM	Anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 11:35:00 PM	Benz(a)anthracene	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	2/2/2018 1:00:00 AM	Benz(a)anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 11:35:00 PM	Benzo(a)pyrene	n/a	<	37	µg/L	EPA 625	37	100	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	2/2/2018 1:00:00 AM	Benzo(a)pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/23/2018 6:29:00 PM	Benzo(a)pyrene	n/a	<	0.7	µg/L	EPA 525.2	0.7	1	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 11:35:00 PM	Benzo(a)pyrene	n/a	<	1.3	µg/L	EPA 625	1.3	10	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	2/2/2018 1:00:00 AM	Benzo(b)fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 11:35:00 PM	Benzo(b)fluoranthene	n/a	<	1.4	µg/L	EPA 625	1.4	10	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 11:35:00 PM	Benzo(g,h,i)perylene	n/a	<	1	µg/L	EPA 625	1	20	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	2/2/2018 1:00:00 AM	Benzo(g,h,i)perylene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 11:35:00 PM	Benzo(k)fluoranthene	n/a	<	2.2	µg/L	EPA 625	2.2	10	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	2/2/2018 1:00:00 AM	Benzo(k)fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 11:35:00 PM	Bis(2-chloroethoxy)methane	n/a	<	2.5	µg/L	EPA 625	2.5	10	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 11:35:00 PM	Bis(2-chloroethyl)ether	n/a	<	2.7	µg/L	EPA 625	2.7	10	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 11:35:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	3.8	µg/L	EPA 625	3.8	10	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/23/2018 6:29:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	1	µg/L	EPA 525.2	1	50	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/23/2018 6:29:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	11	µg/L	EPA 525.2	11	30	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 11:35:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	23	µg/L	EPA 625	23	50	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 11:35:00 PM	Butyl benzyl phthalate	n/a	<	1.8	µg/L	EPA 625	1.8	10	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	2/2/2018 1:00:00 AM	Chrysene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 11:35:00 PM	Chrysene	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	2/2/2018 1:00:00 AM	Dibenz(a,h)anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 11:35:00 PM	Dibenz(a,h)anthracene	n/a	<	0.8	µg/L	EPA 625	0.8	20	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 11:35:00 PM	Diethyl phthalate	n/a	<	1.5	µg/L	EPA 625	1.5	10	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 11:35:00 PM	Dimethyl phthalate	n/a	<	1.8	µg/L	EPA 625	1.8	10	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 11:35:00 PM	Di-n-butylphthalate	n/a	<	2.4	µg/L	EPA 625	2.4	10	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 11:35:00 PM	Di-n-octylphthalate	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	2/2/2018 1:00:00 AM	Fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	EST-LCSRPD
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 11:35:00 PM	Fluoranthene	n/a	<	2.2	µg/L	EPA 625	2.2	10	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 11:35:00 PM	Fluorene	n/a	<	3.5	µg/L	EPA 625	3.5	10	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	2/2/2018 1:00:00 AM	Fluorene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 11:35:00 PM	Hexachlorobenzene	n/a	<	4.9	µg/L	EPA 625	4.9	10	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 11:35:00 PM	Hexachlorobutadiene	n/a	<	4.7	µg/L	EPA 625	4.7	10	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 11:35:00 PM	Hexachlorocyclopentadiene	n/a	<	15	µg/L	EPA 625	15	50	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 11:35:00 PM	Hexachloroethane	n/a	<	5.2	µg/L	EPA 625	5.2	10	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 11:35:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	1.2	µg/L	EPA 625	1.2	20	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	2/2/2018 1:00:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 11:35:00 PM	Isophorone	n/a	<	2.1	µg/L	EPA 625	2.1	10	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 11:35:00 PM	Naphthalene	n/a	<	4.9	µg/L	EPA 625	4.9	10	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	2/2/2018 1:00:00 AM	Naphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 11:35:00 PM	Nitrobenzene	n/a	<	3.6	µg/L	EPA 625	3.6	10	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 11:35:00 PM	N-Nitrosodimethylamine	n/a	<	1.4	µg/L	EPA 625	1.4	10	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 11:35:00 PM	N-Nitrosodi-N-propylamine	n/a	<	2.6	µg/L	EPA 625	2.6	10	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 11:35:00 AM	N-Nitrosodiphenylamine	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	2/2/2018 1:00:00 AM	Phenanthrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 11:35:00 PM	Phenanthrene	n/a	<	3.2	µg/L	EPA 625	3.2	10	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 11:35:00 PM	Phenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/29/2018 7:03:00 PM	Phenol	n/a	<	3.5	µg/L	EPA 8270C	3.5	10	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	2/2/2018 1:00:00 AM	Pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 11:35:00 PM	Pyrene	n/a	<	2.5	µg/L	EPA 625	2.5	10	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/24/2018 6:10:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/24/2018 6:10:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/24/2018 6:10:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/24/2018 6:10:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/24/2018 6:10:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/24/2018 6:10:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/24/2018 6:10:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/13/2018 5:30:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/13/2018 5:30:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/13/2018 5:30:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/13/2018 5:30:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/13/2018 5:30:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/24/2018 6:10:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/24/2018 6:10:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/24/2018 6:10:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/13/2018 5:30:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/23/2018 6:29:00 PM	Alachlor	n/a	<	0.22	µg/L	EPA 525.2	0.22	1	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/24/2018 6:10:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/24/2018 6:10:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/24/2018 6:10:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/23/2018 6:29:00 PM	Atrazine	n/a	<	0.34	µg/L	EPA 525.2	0.34	1	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/30/2018 9:18:00 PM	Azinphos methyl	n/a	<	0.028	µg/L	EPA 525.2m	0.028	0.05	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/13/2018 5:30:00 PM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/24/2018 6:10:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/30/2018 9:18:00 PM	Bolstar	n/a	<	0.023	µg/L	EPA 525.2m	0.023	0.05	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/23/2018 6:29:00 PM	Bromacil	n/a	<	0.38	µg/L	EPA 525.2	0.38	10	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/23/2018 6:29:00 PM	Butachlor	n/a	<	0.17	µg/L	EPA 525.2	0.17	2	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/23/2018 6:29:00 PM	Captan	n/a	<	8.6	µg/L	EPA 525.2	8.6	10	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/24/2018 6:10:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/23/2018 6:29:00 PM	Chlorpropham	n/a	<	0.1	µg/L	EPA 525.2	0.1	1	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/30/2018 9:18:00 PM	Chlorpyrifos	n/a	<	0.034	µg/L	EPA 525.2m	0.034	0.05	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/30/2018 9:18:00 PM	Coumaphos	n/a	<	0.026	µg/L	EPA 525.2m	0.026	0.05	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/23/2018 6:29:00 PM	Cyanazine	n/a	<	0.24	µg/L	EPA 525.2	0.24	1	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/13/2018 5:30:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/13/2018 5:30:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/24/2018 6:10:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/30/2018 9:18:00 PM	Demeton-O	n/a	<	0.05	µg/L	EPA 525.2m	0.05	0.05	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/30/2018 9:18:00 PM	Demeton-S	n/a	<	0.05	µg/L	EPA 525.2m	0.05	0.05	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/23/2018 6:29:00 PM	Diazinon	n/a	<	0.96	µg/L	EPA 525.2	0.96	1	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/30/2018 9:18:00 PM	Diazinon	n/a	<	0.026	µg/L	EPA 525.2m	0.026	0.05	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/13/2018 5:30:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/13/2018 5:30:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/30/2018 9:18:00 PM	Dichlorvos	n/a	<	0.014	µg/L	EPA 525.2m	0.014	0.05	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/24/2018 6:10:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/23/2018 6:29:00 PM	Dimethoate	n/a	<	0.24	µg/L	EPA 525.2	0.24	2	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/30/2018 9:18:00 PM	Dimethoate	n/a	<	0.031	µg/L	EPA 525.2m	0.031	0.05	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/13/2018 5:30:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/23/2018 6:29:00 PM	Diphenamid	n/a	<	0.24	µg/L	EPA 525.2	0.24	1	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/30/2018 9:18:00 PM	Disulfoton	n/a	<	0.05	µg/L	EPA 525.2m	0.05	0.05	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/23/2018 6:29:00 PM	Disulfoton	n/a	<	0.31	µg/L	EPA 525.2	0.31	1	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/24/2018 6:10:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/24/2018 6:10:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/24/2018 6:10:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/24/2018 6:10:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/24/2018 6:10:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/23/2018 6:29:00 PM	EPTC	n/a	<	0.17	µg/L	EPA 525.2	0.17	10	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/30/2018 9:18:00 PM	Ethoprop	n/a	<	0.034	µg/L	EPA 525.2m	0.034	0.05	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/30/2018 9:18:00 PM	Ethyl parathion	n/a	<	0.027	µg/L	EPA 525.2m	0.027	0.05	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/30/2018 9:18:00 PM	Fensulfthion	n/a	<	0.014	µg/L	EPA 525.2m	0.014	0.05	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/30/2018 9:18:00 PM	Fenthion	n/a	<	0.019	µg/L	EPA 525.2m	0.019	0.05	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/24/2018 6:10:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/24/2018 6:10:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/11/2018 7:18:00 PM	Glyphosate	n/a	<	36	µg/L	EPA 547	36	100	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/24/2018 6:10:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/24/2018 6:10:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/30/2018 9:18:00 PM	Malathion	n/a	<	0.038	µg/L	EPA 525.2m	0.038	0.05	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/30/2018 9:18:00 PM	Merphos	n/a	<	0.029	µg/L	EPA 525.2m	0.029	0.05	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/24/2018 6:10:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/30/2018 9:18:00 PM	Methyl parathion	n/a	<	0.032	µg/L	EPA 525.2m	0.032	0.05	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/23/2018 6:29:00 PM	Metolachlor	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/23/2018 6:29:00 PM	Metribuzin	n/a	<	0.15	µg/L	EPA 525.2	0.15	1	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/30/2018 9:18:00 PM	Mevinphos	n/a	<	0.021	µg/L	EPA 525.2m	0.021	0.05	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/23/2018 6:29:00 PM	Molinate	n/a	<	0.39	µg/L	EPA 525.2	0.39	1	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/30/2018 9:18:00 PM	Naled	n/a	<	0.038	µg/L	EPA 525.2m	0.038	0.05	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/25/2018 11:35:00 PM	Pentachlorophenol	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/29/2018 7:03:00 PM	Pentachlorophenol	n/a	DNQ	4.4	µg/L	EPA 8270C	1.5	10	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/13/2018 5:30:00 AM	Pentachlorophenol	n/a	=	0.4	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/30/2018 9:18:00 PM	Phorate	n/a	<	0.015	µg/L	EPA 525.2m	0.015	0.05	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/13/2018 5:30:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/23/2018 6:29:00 PM	Prometon	n/a	<	0.24	µg/L	EPA 525.2	0.24	2	WKL	EST-LCSRPD

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/23/2018 6:29:00 PM	Prometryn	n/a	<	0.36	µg/L	EPA 525.2	0.36	1	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/30/2018 9:18:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.02	µg/L	EPA 525.2m	0.02	0.05	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/23/2018 6:29:00 PM	Simazine	n/a	<	0.15	µg/L	EPA 525.2	0.15	1	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/30/2018 9:18:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.016	µg/L	EPA 525.2m	0.016	0.05	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/23/2018 6:29:00 PM	Terbacil	n/a	<	5.5	µg/L	EPA 525.2	5.5	20	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/23/2018 6:29:00 PM	Thiobencarb	n/a	<	0.25	µg/L	EPA 525.2	0.25	2	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/30/2018 9:18:00 PM	Tokuthion	n/a	<	0.039	µg/L	EPA 525.2m	0.039	0.05	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/24/2018 6:10:00 AM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/30/2018 9:18:00 PM	Trichloronate	n/a	<	0.034	µg/L	EPA 525.2m	0.034	0.05	WKL	
MO-OJA	2017/18-1	Wet	1/10/2018 10:30:00 AM	1/23/2018 6:29:00 PM	Trithion	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 1:20:00 AM	3/3/2018 7:00:00 AM	E. Coli	n/a	=	104620	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-OJA	2017/18-2	Wet	3/2/2018 1:20:00 AM	3/5/2018 10:27:00 AM	Fecal Coliform	n/a	=	54000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-OJA	2017/18-2	Wet	3/2/2018 1:20:00 AM	3/3/2018 7:00:00 AM	Total Coliform	n/a	=	155310	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-OJA	2017/18-2	Wet	3/2/2018 1:20:00 AM	3/2/2018 1:20:00 AM	Conductivity	n/a	=	54.1	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OJA	2017/18-2	Wet	3/2/2018 1:20:00 AM	3/7/2018 4:36:00 PM	Cyanide	Total	DNQ	0.0016	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 1:20:00 AM	3/2/2018 1:20:00 AM	DO	n/a	=	91.5	%	Field Meter	-88	0.1	Field Crew	
MO-OJA	2017/18-2	Wet	3/2/2018 1:20:00 AM	3/2/2018 1:20:00 AM	DO	n/a	=	9.72	mg/L	Field Meter	-88	0.3	Field Crew	
MO-OJA	2017/18-2	Wet	3/2/2018 1:20:00 AM	3/2/2018 1:20:00 AM	pH	n/a	=	7.49	pH Units	Field Meter	-88	0.01	Field Crew	
MO-OJA	2017/18-2	Wet	3/2/2018 1:20:00 AM	3/2/2018 1:20:00 AM	Salinity	n/a	<	100	mg/L	Field Meter	-88	100	Field Crew	
MO-OJA	2017/18-2	Wet	3/2/2018 1:20:00 AM	3/2/2018 1:20:00 AM	Specific Conductance	n/a	=	60.4	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OJA	2017/18-2	Wet	3/2/2018 1:20:00 AM	3/2/2018 1:20:00 AM	Temperature	n/a	=	12.7	°C	Field Meter	-88	0.1	Field Crew	
MO-OJA	2017/18-2	Wet	3/2/2018 1:20:00 AM	3/5/2018 8:40:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 1:20:00 AM	3/13/2018 5:21:00 PM	Oil and Grease	n/a	DNQ	2.5	mg/L	EPA 1664A	1.3	5	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 1:20:00 AM	3/5/2018 5:18:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 1:20:00 AM	3/5/2018 5:18:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/15/2018 7:00:00 PM	Chloride	n/a	=	2.5	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/15/2018 7:00:00 PM	Fluoride	n/a	DNQ	0.043	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/4/2018 11:15:00 PM	Perchlorate	n/a	<	2.8	µg/L	EPA 314.0	2.8	6	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/15/2018 7:00:00 PM	Sulfate	Total	=	3.7	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/14/2018 7:24:00 PM	Calcium	Total	=	13.3	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/14/2018 7:24:00 PM	Magnesium	Total	=	4.93	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/14/2018 7:24:00 PM	Potassium	Total	=	5	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/14/2018 7:24:00 PM	Sodium	Total	=	2.6	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/5/2018 3:47:00 PM	Alkalinity as CaCO3	n/a	=	33	mg/L	SM 2320 B	0.56	2	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/8/2018 12:25:00 PM	BOD	n/a	=	8.2	mg/L	SM 5210 B	2	2	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/9/2018 1:52:00 PM	COD	n/a	=	87	mg/L	EPA 410.4	0.73	5	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/13/2018 12:33:00 PM	Dissolved Inorganic Carbon	Dissolved	=	5.8	mg/L	SM 5310 B	0.5	0.5	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/9/2018 8:50:00 AM	Dissolved Organic Carbon	Dissolved	=	7.2	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/14/2018 7:24:00 PM	Hardness as CaCO3	Total	=	53.6	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/2/2018 7:30:00 PM	MBAS	n/a	=	0.063	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/15/2018 6:02:00 PM	Phenolics	n/a	=	0.021	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/7/2018 2:26:00 AM	Specific Conductance	n/a	=	89	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/8/2018 9:30:00 AM	Total Dissolved Solids	n/a	=	54	mg/L	SM 2540 C	4	10	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/7/2018 10:32:00 AM	Total Organic Carbon	n/a	=	8	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/8/2018 5:55:00 PM	Total Suspended Solids	n/a	=	830	mg/L	SM 2540 D	-88	5	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/2/2018 8:48:00 PM	Turbidity	n/a	=	88	NTU	EPA 180.1	0.19	0.8	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/8/2018 5:55:00 PM	Volatile Suspended Solids	n/a	=	86	mg/L	EPA 160.4	3.1	5	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/14/2018 5:20:00 AM	Diesel Range Organics	n/a	=	0.34	mg/L	EPA 8015D	0.024	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/14/2018 5:20:00 AM	Oil Range Organics	n/a	=	0.55	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/21/2018 3:03:00 PM	Aluminum	Dissolved	=	41	µg/L	EPA 200.8	1.3	5	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/21/2018 5:26:00 PM	Aluminum	Total	=	9200	µg/L	EPA 200.8	13	50	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/14/2018 8:24:00 PM	Antimony	Dissolved	DNQ	0.12	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/14/2018 8:32:00 PM	Antimony	Total	DNQ	0.32	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/14/2018 8:24:00 PM	Arsenic	Dissolved	=	0.63	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/14/2018 8:32:00 PM	Arsenic	Total	=	3.3	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/14/2018 8:32:00 PM	Barium	Total	=	140	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/15/2018 12:13:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/15/2018 12:16:00 PM	Beryllium	Total	=	0.53	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/14/2018 8:24:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/14/2018 8:32:00 PM	Cadmium	Total	=	0.24	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/21/2018 3:03:00 PM	Chromium	Dissolved	=	0.23	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/21/2018 5:31:00 PM	Chromium	Total	=	12	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/9/2018 3:38:00 PM	Chromium VI	n/a	=	0.19	µg/L	EPA 218.6	0.024	0.1	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/14/2018 8:24:00 PM	Copper	Dissolved	=	3.9	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/14/2018 8:32:00 PM	Copper	Total	=	37	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/15/2018 12:21:00 PM	Iron	Dissolved	=	56	µg/L	EPA 200.7	1.1	10	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/14/2018 7:24:00 PM	Iron	Total	=	15000	µg/L	EPA 200.7	1.1	10	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/14/2018 8:24:00 PM	Lead	Dissolved	DNQ	0.08	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/14/2018 8:32:00 PM	Lead	Total	=	14	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/14/2018 2:06:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/14/2018 2:08:00 PM	Mercury	Total	DNQ	18	ng/L	EPA 245.1	17	50	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/21/2018 3:03:00 PM	Nickel	Dissolved	DNQ	0.61	µg/L	EPA 200.8	0.045	0.8	WKL	UL-MB
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/21/2018 5:31:00 PM	Nickel	Total	=	14	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/14/2018 8:24:00 PM	Selenium	Dissolved	<	0.14	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/14/2018 8:32:00 PM	Selenium	Total	DNQ	0.19	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/14/2018 8:24:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/14/2018 8:32:00 PM	Silver	Total	DNQ	0.09	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/14/2018 8:24:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/14/2018 8:32:00 PM	Thallium	Total	DNQ	0.11	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/14/2018 8:24:00 PM	Zinc	Dissolved	DNQ	4.5	µg/L	EPA 200.8	0.94	5	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/14/2018 8:32:00 PM	Zinc	Total	=	120	µg/L	EPA 200.8	0.94	5	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/6/2018 6:32:00 PM	Ammonia as N	n/a	=	0.16	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/5/2018 10:39:00 AM	Nitrate + Nitrite as N	n/a	=	0.33	mg/L	EPA 353.2	0.083	0.2	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/19/2018 12:08:00 PM	Phosphorus as P	Dissolved	=	0.24	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/8/2018 4:01:00 PM	Phosphorus as P	Total	=	0.78	mg/L	EPA 365.1	0.014	0.1	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/13/2018 5:46:00 PM	TKN	n/a	=	2.3	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/13/2018 1:31:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/13/2018 1:31:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/13/2018 1:31:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/13/2018 1:31:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/13/2018 1:31:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/20/2018 2:36:00 AM	1-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/26/2018 12:28:00 PM	2,4,5-Trichlorophenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	5	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/13/2018 1:31:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/26/2018 12:28:00 PM	2,4,6-Trichlorophenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/13/2018 1:31:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/26/2018 12:28:00 PM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 8270C	2.6	5	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/13/2018 1:31:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/26/2018 12:28:00 PM	2,4-Dimethylphenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	LCSRPD, LB-L
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/13/2018 1:31:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/26/2018 12:28:00 PM	2,4-Dinitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/13/2018 1:31:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/13/2018 1:31:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/13/2018 1:31:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/26/2018 12:28:00 PM	2-Chlorophenol	n/a	<	3.2	µg/L	EPA 8270C	3.2	5	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/13/2018 1:31:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/20/2018 2:36:00 AM	2-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/26/2018 12:28:00 PM	2-Methylphenol	n/a	<	1.7	µg/L	EPA 8270C	1.7	5	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/13/2018 1:31:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/26/2018 12:28:00 PM	2-Nitrophenol	n/a	<	3.6	µg/L	EPA 8270C	3.6	5	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/13/2018 1:31:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/26/2018 12:28:00 PM	3-/4-Methylphenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/26/2018 12:28:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.7	µg/L	EPA 8270C	0.7	5	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/13/2018 1:31:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/13/2018 1:31:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/26/2018 12:28:00 PM	4-Chloro-3-methylphenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/13/2018 1:31:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/13/2018 1:31:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/13/2018 1:31:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/26/2018 12:28:00 PM	4-Nitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/20/2018 2:36:00 AM	Acenaphthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/13/2018 1:31:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/20/2018 2:36:00 AM	Acenaphthylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/13/2018 1:31:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/13/2018 1:31:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/20/2018 2:36:00 AM	Anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/13/2018 1:31:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/20/2018 2:36:00 AM	Benz(a)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/13/2018 1:31:00 AM	Benzo(a)pyrene	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/19/2018 10:19:00 PM	Benzo(a)pyrene	n/a	<	0.35	µg/L	EPA 525.2	0.35	0.5	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/13/2018 1:31:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/20/2018 2:36:00 AM	Benzo(a)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/13/2018 1:31:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/20/2018 2:36:00 AM	Benzo(b)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/13/2018 1:31:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/20/2018 2:36:00 AM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/20/2018 2:36:00 AM	Benzo(k)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/13/2018 1:31:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/13/2018 1:31:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/13/2018 1:31:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/13/2018 1:31:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/19/2018 10:19:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.52	µg/L	EPA 525.2	0.52	25	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/19/2018 10:19:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	5.3	µg/L	EPA 525.2	5.3	15	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/13/2018 1:31:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/13/2018 1:31:00 AM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/20/2018 2:36:00 AM	Chrysene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/13/2018 1:31:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/20/2018 2:36:00 AM	Dibenz(a,h)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/13/2018 1:31:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/13/2018 1:31:00 AM	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/13/2018 1:31:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/13/2018 1:31:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/13/2018 1:31:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/13/2018 1:31:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/20/2018 2:36:00 AM	Fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/20/2018 2:36:00 AM	Fluorene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/13/2018 1:31:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/13/2018 1:31:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/13/2018 1:31:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/13/2018 1:31:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/13/2018 1:31:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/13/2018 1:31:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/20/2018 2:36:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/13/2018 1:31:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/13/2018 1:31:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/20/2018 2:36:00 AM	Naphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/13/2018 1:31:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/13/2018 1:31:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/13/2018 1:31:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/13/2018 1:31:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/13/2018 1:31:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/20/2018 2:36:00 AM	Phenanthrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/13/2018 1:31:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/26/2018 12:28:00 PM	Phenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/13/2018 1:31:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/20/2018 2:36:00 AM	Pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/19/2018 10:45:00 PM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/19/2018 10:45:00 PM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/19/2018 10:45:00 PM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/19/2018 10:45:00 PM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/19/2018 10:45:00 PM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/19/2018 10:45:00 PM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/19/2018 10:45:00 PM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/13/2018 7:17:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/13/2018 7:17:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/13/2018 7:17:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/13/2018 7:17:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/13/2018 7:17:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/19/2018 10:45:00 PM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/19/2018 10:45:00 PM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/19/2018 10:45:00 PM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/13/2018 7:17:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/19/2018 10:19:00 PM	Alachlor	n/a	<	0.11	µg/L	EPA 525.2	0.11	0.5	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/19/2018 10:45:00 PM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/19/2018 10:45:00 PM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/19/2018 10:45:00 PM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/19/2018 10:19:00 PM	Atrazine	n/a	<	0.17	µg/L	EPA 525.2	0.17	0.5	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/15/2018 12:51:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/13/2018 7:17:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/19/2018 10:45:00 PM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/15/2018 12:51:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/19/2018 10:19:00 PM	Bromacil	n/a	<	0.19	µg/L	EPA 525.2	0.19	5	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/19/2018 10:19:00 PM	Butachlor	n/a	<	0.085	µg/L	EPA 525.2	0.085	1	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/19/2018 10:19:00 PM	Captan	n/a	<	4.3	µg/L	EPA 525.2	4.3	5	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/19/2018 10:45:00 PM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/19/2018 10:19:00 PM	Chlorpropham	n/a	<	0.05	µg/L	EPA 525.2	0.05	0.5	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/15/2018 12:51:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/15/2018 12:51:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/19/2018 10:19:00 PM	Cyanazine	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/13/2018 7:17:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/13/2018 7:17:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/19/2018 10:45:00 PM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/15/2018 12:51:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/15/2018 12:51:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/19/2018 10:19:00 PM	Diazinon	n/a	<	0.48	µg/L	EPA 525.2	0.48	0.5	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/15/2018 12:51:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/13/2018 7:17:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/13/2018 7:17:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/15/2018 12:51:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/19/2018 10:45:00 PM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/21/2018 1:29:00 AM	Dimethoate	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/15/2018 12:51:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/13/2018 7:17:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/19/2018 10:19:00 PM	Diphenamid	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/19/2018 10:19:00 PM	Disulfoton	n/a	<	0.16	µg/L	EPA 525.2	0.16	0.5	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/15/2018 12:51:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/19/2018 10:45:00 PM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/19/2018 10:45:00 PM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/19/2018 10:45:00 PM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/19/2018 10:45:00 PM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/19/2018 10:45:00 PM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/19/2018 10:19:00 PM	EPTC	n/a	<	0.085	µg/L	EPA 525.2	0.085	5	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/15/2018 12:51:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/15/2018 12:51:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/15/2018 12:51:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/15/2018 12:51:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/19/2018 10:45:00 PM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/19/2018 10:45:00 PM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/9/2018 5:08:00 PM	Glyphosate	n/a	DNQ	2	µg/L	EPA 547	1.8	5	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/19/2018 10:45:00 PM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/19/2018 10:45:00 PM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/15/2018 12:51:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/15/2018 12:51:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/19/2018 10:45:00 PM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/15/2018 12:51:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/19/2018 10:19:00 PM	Metolachlor	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.5	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/19/2018 10:19:00 PM	Metribuzin	n/a	<	0.075	µg/L	EPA 525.2	0.075	0.5	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/15/2018 12:51:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/19/2018 10:19:00 PM	Molinate	n/a	<	0.2	µg/L	EPA 525.2	0.2	0.5	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/15/2018 12:51:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/13/2018 7:17:00 AM	Pentachlorophenol	n/a	DNQ	0.16	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/26/2018 12:28:00 PM	Pentachlorophenol	n/a	<	0.75	µg/L	EPA 8270C	0.75	5	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/13/2018 1:31:00 AM	Pentachlorophenol	n/a	DNQ	0.93	µg/L	EPA 625	0.19	1	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/15/2018 12:51:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/13/2018 7:17:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/19/2018 10:19:00 PM	Prometon	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/19/2018 10:19:00 PM	Prometryn	n/a	<	0.18	µg/L	EPA 525.2	0.18	0.5	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/15/2018 12:51:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/19/2018 10:19:00 PM	Simazine	n/a	<	0.075	µg/L	EPA 525.2	0.075	0.5	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/15/2018 12:51:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/19/2018 10:19:00 PM	Terbacil	n/a	<	2.8	µg/L	EPA 525.2	2.8	10	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/21/2018 1:29:00 AM	Thiobencarb	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/15/2018 12:51:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/19/2018 10:45:00 PM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/15/2018 12:51:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-OJA	2017/18-2	Wet	3/2/2018 7:20:00 AM	3/19/2018 10:19:00 PM	Trithion	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.5	WKL	
MO-OJA	2017/18-3	Wet	3/10/2018 2:10:00 PM	3/11/2018 11:34:00 PM	E. Coli	n/a	=	19180	MPN/100 mL	MMO-MUG	100	100	VCHCA	EST-HT
MO-OJA	2017/18-3	Wet	3/10/2018 2:10:00 PM	3/14/2018 8:10:00 PM	Fecal Coliform	n/a	=	92000	MPN/100 mL	SM 9221 E	2	2	VCHCA	EST-HT
MO-OJA	2017/18-3	Wet	3/10/2018 2:10:00 PM	3/11/2018 11:34:00 PM	Total Coliform	n/a	=	173290	MPN/100 mL	MMO-MUG	100	100	VCHCA	EST-HT
MO-OJA	2017/18-3	Wet	3/10/2018 2:10:00 PM	3/10/2018 2:10:00 PM	Conductivity	n/a	=	99.6	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OJA	2017/18-3	Wet	3/10/2018 2:10:00 PM	3/19/2018 4:29:00 PM	Cyanide	Total	DNQ	0.0019	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-OJA	2017/18-3	Wet	3/10/2018 2:10:00 PM	3/10/2018 2:10:00 PM	DO	n/a	=	11.13	mg/L	Field Meter	-88	0.3	Field Crew	
MO-OJA	2017/18-3	Wet	3/10/2018 2:10:00 PM	3/10/2018 2:10:00 PM	DO	n/a	=	116.7	%	Field Meter	-88	0.1	Field Crew	
MO-OJA	2017/18-3	Wet	3/10/2018 2:10:00 PM	3/10/2018 2:10:00 PM	pH	n/a	=	7.8	pH Units	Field Meter	-88	0.01	Field Crew	
MO-OJA	2017/18-3	Wet	3/10/2018 2:10:00 PM	3/10/2018 2:10:00 PM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	
MO-OJA	2017/18-3	Wet	3/10/2018 2:10:00 PM	3/10/2018 2:10:00 PM	Specific Conductance	n/a	=	116.3	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OJA	2017/18-3	Wet	3/10/2018 2:10:00 PM	3/10/2018 2:10:00 PM	Temperature	n/a	=	17.3	°C	Field Meter	-88	0.1	Field Crew	
MO-OJA	2017/18-3	Wet	3/10/2018 2:10:00 PM	3/14/2018 7:33:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
MO-OJA	2017/18-3	Wet	3/10/2018 2:10:00 PM	3/27/2018 6:07:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-OJA	2017/18-3	Wet	3/10/2018 2:10:00 PM	3/13/2018 5:24:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-OJA	2017/18-3	Wet	3/10/2018 2:10:00 PM	3/13/2018 5:24:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/21/2018 2:00:00 PM	Chloride	n/a	=	2.3	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/21/2018 2:00:00 PM	Fluoride	n/a	DNQ	0.039	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/12/2018 10:44:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/21/2018 2:00:00 PM	Sulfate	Total	=	3.1	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/26/2018 3:44:00 PM	Calcium	Total	=	9.42	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/26/2018 3:44:00 PM	Magnesium	Total	=	3.22	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/26/2018 3:44:00 PM	Potassium	Total	=	3.7	mg/L	EPA 200.7	0.081	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/26/2018 3:44:00 PM	Sodium	Total	=	2.5	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/12/2018 1:51:00 PM	Alkalinity as CaCO3	n/a	=	25	mg/L	SM 2320 B	0.56	2	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/17/2018 7:25:00 PM	BOD	n/a	=	7.9	mg/L	SM 5210 B	2	2	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 3:49:00 PM	COD	n/a	=	61	mg/L	EPA 410.4	0.73	5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/15/2018 1:47:00 PM	Dissolved Inorganic Carbon	Dissolved	=	4.6	mg/L	SM 5310 B	0.5	0.5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/19/2018 8:44:00 AM	Dissolved Organic Carbon	Dissolved	=	6.7	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/26/2018 3:44:00 PM	Hardness as CaCO3	Total	=	36.8	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/12/2018 4:40:00 PM	MBAS	n/a	=	0.071	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/29/2018 5:19:00 PM	Phenolics	n/a	=	0.027	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/14/2018 5:40:00 PM	Specific Conductance	n/a	=	68	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/15/2018 5:49:00 PM	Total Dissolved Solids	n/a	=	37	mg/L	SM 2540 C	4	10	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 10:17:00 AM	Total Organic Carbon	n/a	=	6	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/14/2018 1:40:00 PM	Total Suspended Solids	n/a	=	680	mg/L	SM 2540 D	-88	5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/12/2018 11:32:00 AM	Turbidity	n/a	=	48	NTU	EPA 180.1	0.048	0.2	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/14/2018 1:40:00 PM	Volatile Suspended Solids	n/a	=	110	mg/L	EPA 160.4	3.1	5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/20/2018 9:35:00 AM	Diesel Range Organics	n/a	=	0.36	mg/L	EPA 8015D	0.024	0.1	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/20/2018 9:35:00 AM	Oil Range Organics	n/a	=	0.84	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	4/2/2018 6:45:00 PM	Aluminum	Dissolved	=	48	µg/L	EPA 200.8	1.3	5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	4/2/2018 6:49:00 PM	Aluminum	Total	=	6000	µg/L	EPA 200.8	1.3	5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/30/2018 9:17:00 PM	Antimony	Dissolved	DNQ	0.2	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/30/2018 9:25:00 PM	Antimony	Total	DNQ	0.39	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/30/2018 9:17:00 PM	Arsenic	Dissolved	=	0.67	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/30/2018 9:25:00 PM	Arsenic	Total	=	2.2	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/30/2018 9:25:00 PM	Barium	Total	=	94	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/30/2018 9:17:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/30/2018 9:25:00 PM	Beryllium	Total	=	0.31	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/30/2018 9:17:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/30/2018 9:25:00 PM	Cadmium	Total	=	0.2	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/30/2018 9:17:00 PM	Chromium	Dissolved	=	0.3	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/30/2018 9:25:00 PM	Chromium	Total	=	7.7	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/15/2018 8:58:00 PM	Chromium VI	n/a	=	0.31	µg/L	EPA 218.6	0.024	0.1	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/30/2018 9:17:00 PM	Copper	Dissolved	=	3.1	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/30/2018 9:25:00 PM	Copper	Total	=	20	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/26/2018 3:32:00 PM	Iron	Dissolved	=	54	µg/L	EPA 200.7	1.1	10	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/26/2018 3:44:00 PM	Iron	Total	=	8300	µg/L	EPA 200.7	1.1	10	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/30/2018 9:17:00 PM	Lead	Dissolved	DNQ	0.12	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/30/2018 9:25:00 PM	Lead	Total	=	10	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/23/2018 3:06:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/23/2018 3:08:00 PM	Mercury	Total	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/30/2018 9:17:00 PM	Nickel	Dissolved	DNQ	0.56	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/30/2018 9:25:00 PM	Nickel	Total	=	9.2	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/30/2018 9:17:00 PM	Selenium	Dissolved	<	0.14	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/30/2018 9:25:00 PM	Selenium	Total	<	0.14	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/30/2018 9:17:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/30/2018 9:25:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/30/2018 9:17:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/30/2018 9:25:00 PM	Thallium	Total	DNQ	0.08	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/30/2018 9:17:00 PM	Zinc	Dissolved	=	6.4	µg/L	EPA 200.8	0.94	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/30/2018 9:25:00 PM	Zinc	Total	=	88	µg/L	EPA 200.8	0.94	5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/21/2018 8:47:00 PM	Ammonia as N	n/a	=	0.14	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/25/2018 10:33:00 AM	Nitrate + Nitrite as N	n/a	=	0.32	mg/L	EPA 353.2	0.083	0.2	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/27/2018 6:06:00 PM	Phosphorus as P	Dissolved	=	0.17	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/27/2018 3:43:00 PM	Phosphorus as P	Total	=	0.62	mg/L	EPA 365.1	0.0056	0.04	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/23/2018 3:23:00 PM	TKN	n/a	=	1.5	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 8:42:00 AM	1,2,4-Trichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 8:42:00 AM	1,2-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 8:42:00 AM	1,2-Diphenylhydrazine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 8:42:00 AM	1,3-Dichlorobenzene	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 8:42:00 AM	1,4-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/27/2018 10:33:00 PM	1-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/23/2018 10:42:00 AM	2,4,5-Trichlorophenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 8:42:00 AM	2,4,6-Trichlorophenol	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/23/2018 10:42:00 AM	2,4,6-Trichlorophenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 8:42:00 AM	2,4-Dichlorophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/23/2018 10:42:00 AM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 8270C	2.6	5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/23/2018 10:42:00 AM	2,4-Dimethylphenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 8:42:00 AM	2,4-Dimethylphenol	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	EST-LCSRPD
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 8:42:00 AM	2,4-Dinitrophenol	n/a	<	7.9	µg/L	EPA 625	7.9	50	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/23/2018 10:42:00 AM	2,4-Dinitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	EST-LCSRPD
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 8:42:00 AM	2,4-Dinitrotoluene	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 8:42:00 AM	2,6-Dinitrotoluene	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 8:42:00 AM	2-Chloronaphthalene	n/a	<	2.2	µg/L	EPA 625	2.2	5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 8:42:00 AM	2-Chlorophenol	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/23/2018 10:42:00 AM	2-Chlorophenol	n/a	<	3.2	µg/L	EPA 8270C	3.2	5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/27/2018 10:33:00 PM	2-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/23/2018 10:42:00 AM	2-Methylphenol	n/a	<	1.7	µg/L	EPA 8270C	1.7	5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 8:42:00 AM	2-Nitrophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/23/2018 10:42:00 AM	2-Nitrophenol	n/a	<	3.6	µg/L	EPA 8270C	3.6	5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 8:42:00 AM	3,3'-Dichlorobenzidine	n/a	<	6	µg/L	EPA 625	6	25	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/23/2018 10:42:00 AM	3-/4-Methylphenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 8:42:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	8.6	µg/L	EPA 625	8.6	25	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/23/2018 10:42:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.7	µg/L	EPA 8270C	0.7	5	WKL	EST-LCSRPD
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 8:42:00 AM	4-Bromophenyl phenyl ether	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/23/2018 10:42:00 AM	4-Chloro-3-methylphenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 8:42:00 AM	4-Chloro-3-methylphenol	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 8:42:00 AM	4-Chlorophenyl phenyl ether	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/23/2018 10:42:00 AM	4-Nitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	EST-LCSRPD
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 8:42:00 AM	4-Nitrophenol	n/a	<	2.2	µg/L	EPA 625	2.2	25	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 8:42:00 AM	Acenaphthene	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/27/2018 10:33:00 PM	Acenaphthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 8:42:00 AM	Acenaphthylene	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/27/2018 10:33:00 PM	Acenaphthylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 8:42:00 AM	Anthracene	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/27/2018 10:33:00 PM	Anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 8:42:00 AM	Benz(a)anthracene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/27/2018 10:33:00 PM	Benz(a)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 8:42:00 AM	Benidine	n/a	<	18	µg/L	EPA 625	18	50	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/27/2018 10:33:00 PM	Benzo(a)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 8:42:00 AM	Benzo(a)pyrene	n/a	<	0.65	µg/L	EPA 625	0.65	5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 8:24:00 PM	Benzo(a)pyrene	n/a	<	0.35	µg/L	EPA 525.2	0.35	0.5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/27/2018 10:33:00 PM	Benzo(b)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 8:42:00 AM	Benzo(b)fluoranthene	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/27/2018 10:33:00 PM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 8:42:00 AM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 625	0.5	10	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/27/2018 10:33:00 PM	Benzo(k)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 8:42:00 AM	Benzo(k)fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 8:42:00 AM	Bis(2-chloroethoxy)methane	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 8:42:00 AM	Bis(2-chloroethyl)ether	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 8:42:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 8:24:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.52	µg/L	EPA 525.2	0.52	25	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 8:42:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	12	µg/L	EPA 625	12	25	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 8:24:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	5.3	µg/L	EPA 525.2	5.3	15	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 8:42:00 AM	Butyl benzyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 8:42:00 AM	Chrysene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/27/2018 10:33:00 PM	Chrysene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 8:42:00 AM	Dibenz(a,h)anthracene	n/a	<	0.4	µg/L	EPA 625	0.4	10	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/27/2018 10:33:00 PM	Dibenz(a,h)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 8:42:00 AM	Diethyl phthalate	n/a	<	0.75	µg/L	EPA 625	0.75	5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 8:42:00 AM	Dimethyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 8:42:00 AM	Di-n-butylphthalate	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 8:42:00 AM	Di-n-octylphthalate	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 8:42:00 AM	Fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/27/2018 10:33:00 PM	Fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/27/2018 10:33:00 PM	Fluorene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 8:42:00 AM	Fluorene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 8:42:00 AM	Hexachlorobenzene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 8:42:00 AM	Hexachlorobutadiene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 8:42:00 AM	Hexachlorocyclopentadiene	n/a	<	7.3	µg/L	EPA 625	7.3	25	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 8:42:00 AM	Hexachloroethane	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/27/2018 10:33:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 8:42:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.6	µg/L	EPA 625	0.6	10	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 8:42:00 AM	Isophorone	n/a	<	1	µg/L	EPA 625	1	5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/27/2018 10:33:00 PM	Naphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 8:42:00 AM	Naphthalene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 8:42:00 AM	Nitrobenzene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 8:42:00 AM	N-Nitrosodimethylamine	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 8:42:00 AM	N-Nitrosodi-N-propylamine	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 8:42:00 AM	N-Nitrosodiphenylamine	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 8:42:00 AM	Phenanthrene	n/a	<	1.6	µg/L	EPA 625	1.6	5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/27/2018 10:33:00 PM	Phenanthrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 8:42:00 AM	Phenol	n/a	<	0.8	µg/L	EPA 625	0.8	5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/23/2018 10:42:00 AM	Phenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/27/2018 10:33:00 PM	Pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 8:42:00 AM	Pyrene	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/25/2018 5:30:00 AM	PCB Aroclor 1016	n/a	<	0.5	µg/L	EPA 608	0.5	5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/25/2018 5:30:00 AM	PCB Aroclor 1221	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/25/2018 5:30:00 AM	PCB Aroclor 1232	n/a	<	1.5	µg/L	EPA 608	1.5	5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/25/2018 5:30:00 AM	PCB Aroclor 1242	n/a	<	0.7	µg/L	EPA 608	0.7	5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/25/2018 5:30:00 AM	PCB Aroclor 1248	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/25/2018 5:30:00 AM	PCB Aroclor 1254	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/25/2018 5:30:00 AM	PCB Aroclor 1260	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 12:17:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 12:17:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 12:17:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 12:17:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 12:17:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/25/2018 5:30:00 AM		n/a	<	0.03	µg/L	EPA 608	0.03	0.5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/25/2018 5:30:00 AM	4,4'-DDD	n/a	<	0.025	µg/L	EPA 608	0.025	0.5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/25/2018 5:30:00 AM	4,4'-DDE	n/a	<	0.031	µg/L	EPA 608	0.031	0.1	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 12:17:00 AM	4,4'-DDT	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 8:24:00 PM	Acifluorfen	n/a	<	0.11	µg/L	EPA 525.2	0.11	0.5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/25/2018 5:30:00 AM	Alachlor	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/25/2018 5:30:00 AM	Aldrin	n/a	<	0.018	µg/L	EPA 608	0.018	0.1	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/25/2018 5:30:00 AM	alpha-BHC	n/a	<	0.041	µg/L	EPA 608	0.041	0.1	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 8:24:00 PM	alpha-Chlordane	n/a	<	0.17	µg/L	EPA 525.2	0.17	0.5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/21/2018 10:04:00 PM	Atrazine	n/a	<	0.028	µg/L	EPA 525.2m	0.028	0.05	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 12:17:00 AM	Azinphos methyl	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/25/2018 5:30:00 AM	Bentazon	n/a	<	0.031	µg/L	EPA 608	0.031	0.05	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/21/2018 10:04:00 PM	beta-BHC	n/a	<	0.023	µg/L	EPA 525.2m	0.023	0.05	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 8:24:00 PM	Bolstar	n/a	<	0.19	µg/L	EPA 525.2	0.19	5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 8:24:00 PM	Bromacil	n/a	<	0.085	µg/L	EPA 525.2	0.085	1	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 8:24:00 PM	Butachlor	n/a	<	4.3	µg/L	EPA 525.2	4.3	5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/25/2018 5:30:00 AM	Captan	n/a	<	0.8	µg/L	EPA 608	0.8	1	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 8:24:00 PM	Chlordane (technical)	n/a	<	0.05	µg/L	EPA 525.2	0.05	0.5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/21/2018 10:04:00 PM	Chlorpropham	n/a	<	0.034	µg/L	EPA 525.2m	0.034	0.05	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/21/2018 10:04:00 PM	Chlorpyrifos	n/a	<	0.026	µg/L	EPA 525.2m	0.026	0.05	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 8:24:00 PM	Coumaphos	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 12:17:00 AM	Cyanazine	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 12:17:00 AM	Dalapon	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/25/2018 5:30:00 AM	DCPA (Dacthal)	n/a	<	0.025	µg/L	EPA 608	0.025	0.05	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/21/2018 10:04:00 PM	delta-BHC	n/a	<	0.05	µg/L	EPA 525.2m	0.05	0.05	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/21/2018 10:04:00 PM	Demeton-O	n/a	<	0.05	µg/L	EPA 525.2m	0.05	0.05	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 8:24:00 PM	Demeton-S	n/a	<	0.48	µg/L	EPA 525.2	0.48	0.5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/21/2018 10:04:00 PM	Diazinon	n/a	<	0.026	µg/L	EPA 525.2m	0.026	0.05	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 12:17:00 AM	Diazinon	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 12:17:00 AM	Dicamba	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/21/2018 10:04:00 PM	Dichlorprop	n/a	<	0.014	µg/L	EPA 525.2m	0.014	0.05	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/25/2018 5:30:00 AM	Dichlorvos	n/a	<	0.021	µg/L	EPA 608	0.021	0.1	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/21/2018 10:04:00 PM	Dieldrin	n/a	<	0.031	µg/L	EPA 525.2m	0.031	0.05	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 8:24:00 PM	Dimethoate	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 12:17:00 AM	Dimethoate	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 8:24:00 PM	Dinoseb	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 8:24:00 PM	Diphenamid	n/a	<							

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 8:24:00 PM	Disulfoton	n/a	<	0.16	µg/L	EPA 525.2	0.16	0.5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/21/2018 10:04:00 PM	Disulfoton	n/a	<	0.05	µg/L	EPA 525.2m	0.05	0.05	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/25/2018 5:30:00 AM	Endosulfan I	n/a	<	0.017	µg/L	EPA 608	0.017	0.2	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/25/2018 5:30:00 AM	Endosulfan II	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/25/2018 5:30:00 AM	Endosulfan sulfate	n/a	<	0.08	µg/L	EPA 608	0.08	0.5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/25/2018 5:30:00 AM	Endrin	n/a	<	0.028	µg/L	EPA 608	0.028	0.1	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/25/2018 5:30:00 AM	Endrin aldehyde	n/a	<	0.03	µg/L	EPA 608	0.03	0.1	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 8:24:00 PM	EPTC	n/a	<	0.085	µg/L	EPA 525.2	0.085	5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/21/2018 10:04:00 PM	Ethoprop	n/a	<	0.034	µg/L	EPA 525.2m	0.034	0.05	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/21/2018 10:04:00 PM	Ethyl parathion	n/a	<	0.027	µg/L	EPA 525.2m	0.027	0.05	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/21/2018 10:04:00 PM	Fensulfothion	n/a	<	0.014	µg/L	EPA 525.2m	0.014	0.05	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/21/2018 10:04:00 PM	Fenthion	n/a	<	0.019	µg/L	EPA 525.2m	0.019	0.05	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/25/2018 5:30:00 AM	gamma-BHC (Lindane)	n/a	<	0.021	µg/L	EPA 608	0.021	0.2	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/25/2018 5:30:00 AM	gamma-Chlordane	n/a	<	0.044	µg/L	EPA 608	0.044	0.1	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/23/2018 1:02:00 AM	Glyphosate	n/a	=	6.1	µg/L	EPA 547	1.8	5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/25/2018 5:30:00 AM	Heptachlor	n/a	<	0.017	µg/L	EPA 608	0.017	0.1	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/25/2018 5:30:00 AM	Heptachlor epoxide	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/21/2018 10:04:00 PM	Malathion	n/a	<	0.038	µg/L	EPA 525.2m	0.038	0.05	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/21/2018 10:04:00 PM	Merphos	n/a	<	0.029	µg/L	EPA 525.2m	0.029	0.05	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/25/2018 5:30:00 AM	Methoxychlor	n/a	<	0.054	µg/L	EPA 608	0.054	0.2	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/21/2018 10:04:00 PM	Methyl parathion	n/a	<	0.032	µg/L	EPA 525.2m	0.032	0.05	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 8:24:00 PM	Metolachlor	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 8:24:00 PM	Metribuzin	n/a	<	0.075	µg/L	EPA 525.2	0.075	0.5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/21/2018 10:04:00 PM	Mevinphos	n/a	<	0.021	µg/L	EPA 525.2m	0.021	0.05	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 8:24:00 PM	Molinate	n/a	<	0.2	µg/L	EPA 525.2	0.2	0.5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/21/2018 10:04:00 PM	Naled	n/a	<	0.038	µg/L	EPA 525.2m	0.038	0.05	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/23/2018 10:42:00 AM	Pentachlorophenol	n/a	<	0.75	µg/L	EPA 8270C	0.75	5	WKL	EST-LCSRPD
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 8:42:00 AM	Pentachlorophenol	n/a	DNQ	4	µg/L	EPA 625	0.95	5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 12:17:00 AM	Pentachlorophenol	n/a	DNQ	0.14	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/21/2018 10:04:00 PM	Phorate	n/a	<	0.015	µg/L	EPA 525.2m	0.015	0.05	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 12:17:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 8:24:00 PM	Prometon	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	EST-LCSRPD
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 8:24:00 PM	Prometryn	n/a	<	0.18	µg/L	EPA 525.2	0.18	0.5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/21/2018 10:04:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.02	µg/L	EPA 525.2m	0.02	0.05	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 8:24:00 PM	Simazine	n/a	DNQ	0.2	µg/L	EPA 525.2	0.075	0.5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/21/2018 10:04:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.016	µg/L	EPA 525.2m	0.016	0.05	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 8:24:00 PM	Terbacil	n/a	<	2.8	µg/L	EPA 525.2	2.8	10	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 8:24:00 PM	Thiobencarb	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/21/2018 10:04:00 PM	Tokuthion	n/a	<	0.039	µg/L	EPA 525.2m	0.039	0.05	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/25/2018 5:30:00 AM	Toxaphene	n/a	<	1.2	µg/L	EPA 608	1.2	5	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/21/2018 10:04:00 PM	Trichloronate	n/a	<	0.034	µg/L	EPA 525.2m	0.034	0.05	WKL	
MO-OJA	2017/18-3	Wet	3/11/2018 9:05:00 AM	3/22/2018 8:24:00 PM	Trithion	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.5	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/9/2018 11:00:00 AM	Chloride	n/a	=	100	mg/L	EPA 300.0	0.6	3	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/9/2018 11:00:00 AM	Fluoride	n/a	=	0.54	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/6/2018 3:37:00 AM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/9/2018 11:00:00 AM	Sulfate	Total	=	300	mg/L	EPA 300.0	0.6	3	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/22/2018 7:00:00 AM	E. Coli	n/a	=	789	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/22/2018 7:00:00 AM	Total Coliform	n/a	=	34480	MPN/100 mL	MMO-MUG	100	100	VCHCA	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/27/2018 10:53:00 AM	Calcium	Total	=	105	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/27/2018 10:53:00 AM	Magnesium	Total	=	60.6	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/27/2018 10:53:00 AM	Potassium	Total	=	4.8	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/27/2018 10:53:00 AM	Sodium	Total	=	110	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/28/2018 12:37:00 PM	Alkalinity as CaCO3	n/a	=	230	mg/L	SM 2320 B	0.56	2	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/27/2018 8:06:00 PM	BOD	n/a	=	2.6	mg/L	SM 5210 B	2	2	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/27/2018 1:44:00 PM	COD	n/a	=	6.6	mg/L	EPA 410.4	0.73	5	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/21/2018 9:25:00 AM	Conductivity	n/a	=	831	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/25/2018 5:09:00 PM	Cyanide	Total	DNQ	0.0006	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 10:11:00 AM	Dissolved Inorganic Carbon	Dissolved	=	55	mg/L	SM 5310 B	0.5	0.5	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/27/2018 1:20:00 PM	Dissolved Organic Carbon	Dissolved	=	7.8	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/21/2018 9:25:00 AM	DO	n/a	=	13.38	mg/L	Field Meter	-88	0.3	Field Crew	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/21/2018 9:25:00 AM	DO	n/a	=	149.1	%	Field Meter	-88	0.1	Field Crew	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/27/2018 10:53:00 AM	Hardness as CaCO3	Total	=	511	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/22/2018 5:51:00 PM	MBAS	n/a	DNQ	0.043	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/21/2018 9:25:00 AM	pH	n/a	=	9.05	pH Units	Field Meter	-88	0.01	Field Crew	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/5/2018 4:36:00 PM	Phenolics	n/a	=	0.039	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/21/2018 9:25:00 AM	Salinity	n/a	=	400	mg/L	Field Meter	-88	100	Field Crew	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/21/2018 9:25:00 AM	Specific Conductance	n/a	=	909	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/25/2018 4:52:00 PM	Specific Conductance	n/a	=	1400	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/21/2018 9:25:00 AM	Temperature	n/a	=	20.7	°C	Field Meter	-88	0.1	Field Crew	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/21/2018 7:01:00 PM	Total Chlorine Residual	n/a	DNQ	0.019	mg/L	SM 4500-Cl G	0.0015	0.05	WKL	EST-HT
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/27/2018 5:45:00 PM	Total Dissolved Solids	n/a	=	950	mg/L	SM 2540 C	4	10	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/28/2018 1:03:00 PM	Total Organic Carbon	n/a	=	8	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/25/2018 2:06:00 PM	Total Suspended Solids	n/a	=	5	mg/L	SM 2540 D	-88	5	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/21/2018 6:14:00 PM	Turbidity	n/a	=	0.82	NTU	EPA 180.1	0.024	0.1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/25/2018 2:06:00 PM	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/28/2018 8:31:00 PM	Diesel Range Organics	n/a	DNQ	0.09	mg/L	EPA 8015D	0.024	0.1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/26/2018 10:14:00 PM	Gasoline Range Organics	n/a	<	0.012	mg/L	LUFT GC/MS	0.012	0.1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/25/2018 3:48:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/28/2018 8:31:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 6:10:00 PM	Aluminum	Dissolved	DNQ	1.8	µg/L	EPA 200.8	1.3	5	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/27/2018 10:37:00 PM	Aluminum	Total	=	26	µg/L	EPA 200.8	1.3	5	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/27/2018 10:30:00 PM	Antimony	Dissolved	DNQ	0.13	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/27/2018 10:37:00 PM	Antimony	Total	DNQ	0.13	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/27/2018 10:30:00 PM	Arsenic	Dissolved	=	0.75	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/27/2018 10:37:00 PM	Arsenic	Total	=	0.83	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/27/2018 10:37:00 PM	Barium	Total	=	91	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/28/2018 12:12:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/28/2018 12:15:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/27/2018 10:30:00 PM	Cadmium	Dissolved	=	0.1	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/27/2018 10:37:00 PM	Cadmium	Total	DNQ	0.08	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/27/2018 10:30:00 PM	Chromium	Dissolved	DNQ	0.18	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/27/2018 10:37:00 PM	Chromium	Total	=	0.23	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	8/2/2018 5:03:00 PM	Chromium VI	n/a	=	0.14	µg/L	EPA 218.6	0.0096	0.04	WKL	EST-HT
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/27/2018 10:30:00 PM	Copper	Dissolved	=	7.2	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/27/2018 10:37:00 PM	Copper	Total	=	7.3	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/27/2018 10:33:00 AM	Iron	Dissolved	DNQ	6	µg/L	EPA 200.7	1.1	10	WKL	UL-MB

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/27/2018 10:53:00 AM	Iron	Total	=	37	µg/L	EPA 200.7	1.1	10	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/27/2018 10:30:00 PM	Lead	Dissolved	DNQ	0.07	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/27/2018 10:37:00 PM	Lead	Total	DNQ	0.08	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/2/2018 4:11:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/2/2018 4:13:00 PM	Mercury	Total	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 6:10:00 PM	Nickel	Dissolved	DNQ	0.46	µg/L	EPA 200.8	0.045	0.8	WKL	UL-MB
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/27/2018 10:37:00 PM	Nickel	Total	=	0.86	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/27/2018 10:30:00 PM	Selenium	Dissolved	=	1.9	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/27/2018 10:37:00 PM	Selenium	Total	=	1.8	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/27/2018 10:30:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/27/2018 10:37:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/27/2018 10:30:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/27/2018 10:37:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/27/2018 10:30:00 PM	Zinc	Dissolved	DNQ	3	µg/L	EPA 200.8	0.94	5	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/27/2018 10:30:00 PM	Zinc	Total	DNQ	2.8	µg/L	EPA 200.8	0.94	5	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/22/2018 9:30:00 PM	Ammonia as N	n/a	=	0.15	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/26/2018 6:37:00 PM	Nitrate + Nitrite as N	n/a	=	0.68	mg/L	EPA 353.2	0.083	0.2	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/9/2018 1:26:00 PM	Phosphorus as P	Dissolved	=	0.015	mg/L	EPA 365.1	0.0014	0.01	WKL	UL-MB
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/12/2018 12:56:00 PM	Phosphorus as P	Total	=	0.034	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/1/2018 2:51:00 PM	TKN	n/a	=	1.4	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 12:33:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 12:33:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 12:33:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 12:33:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 12:33:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 8:06:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 7:26:00 AM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 7:26:00 AM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 12:33:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	EST-LCSRPD
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 12:33:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 7:26:00 AM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 12:33:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 7:26:00 AM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 7:26:00 AM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 12:33:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 12:33:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 12:33:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/26/2018 2:55:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 12:33:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 12:33:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 7:26:00 AM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 8:06:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 7:26:00 AM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 12:33:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 7:26:00 AM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 12:33:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 7:26:00 AM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 7:26:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 12:33:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 12:33:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 12:33:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	EST-LCSRPD
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 7:26:00 AM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 12:33:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 7:26:00 AM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 12:33:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 8:06:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 12:33:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 12:33:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 8:06:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 8:06:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 12:33:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 12:33:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 8:06:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 12:33:00 AM	Benzo(a)pyrene	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 8:06:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 12:33:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 7:49:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 12:33:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 8:06:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 12:33:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 8:06:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 12:33:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 8:06:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 12:33:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 12:33:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 12:33:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 7:49:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 7:49:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 12:33:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 12:33:00 AM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 12:33:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 8:06:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 8:06:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 12:33:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 12:33:00 AM	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 12:33:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 12:33:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 12:33:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 12:33:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 8:06:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 8:06:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 12:33:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 12:33:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 12:33:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 12:33:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 12:33:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 8:06:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 12:33:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 12:33:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/26/2018 2:55:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 12:33:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 8:06:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 12:33:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 12:33:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 12:33:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 12:33:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 8:06:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 12:33:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 12:33:00 AM	Phenol	n/a	DNQ	0.35	µg/L	EPA 625	0.16	1	WKL	EST-LCSRPD
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 7:26:00 AM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 12:33:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 8:06:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 11:57:00 PM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 11:57:00 PM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 11:57:00 PM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 11:57:00 PM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 11:57:00 PM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 11:57:00 PM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 11:57:00 PM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 1:20:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 1:20:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 1:20:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 1:20:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 1:20:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 11:57:00 PM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 11:57:00 PM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 11:57:00 PM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 1:20:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 7:49:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 11:57:00 PM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 11:57:00 PM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 11:57:00 PM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 7:49:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 1:21:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 1:20:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 11:57:00 PM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 1:21:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 7:49:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 7:49:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 7:49:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 11:57:00 PM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 7:49:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 1:21:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 1:21:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 7:49:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 1:20:00 AM	Dalapon	n/a	DNQ	0.29	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 1:20:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 11:57:00 PM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 1:21:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 1:21:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 7:49:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 1:21:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 1:20:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 1:20:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 1:21:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 11:57:00 PM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 7:49:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 7:49:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 1:20:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 7:49:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 7:49:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 1:21:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 11:57:00 PM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 11:57:00 PM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 11:57:00 PM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 11:57:00 PM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 11:57:00 PM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 7:49:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 1:21:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 1:21:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 1:21:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 1:21:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 11:57:00 PM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 11:57:00 PM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/22/2018 3:20:00 PM	Glyphosate	n/a	<	18	µg/L	EPA 547	18	50	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 11:57:00 PM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 11:57:00 PM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 1:21:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 1:21:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 11:57:00 PM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 1:21:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 7:49:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 7:49:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 1:21:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 7:49:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 1:21:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 1:20:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 7:26:00 AM	Pentachlorophenol	n/a	DNQ	0.39	µg/L	EPA 8270C	0.15	1	WKL	HB-LCSR
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 12:33:00 AM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 1:21:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 1:20:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 7:49:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	EST-LCSRDP

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 7:49:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 1:21:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 7:49:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 1:21:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 7:49:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 7:49:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 1:21:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 11:57:00 PM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	7/3/2018 1:21:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-OJA	2017/18-5	Dry	6/21/2018 9:25:00 AM	6/29/2018 7:49:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-OXN	2017/18-1	Wet	1/8/2018 6:40:00 PM	1/9/2018 4:30:00 PM	E. Coli	n/a	=	12033	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-OXN	2017/18-1	Wet	1/8/2018 6:40:00 PM	1/12/2018 2:30:00 PM	Fecal Coliform	n/a	=	35000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-OXN	2017/18-1	Wet	1/8/2018 6:40:00 PM	1/9/2018 4:30:00 PM	Total Coliform	n/a	=	325500	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-OXN	2017/18-1	Wet	1/8/2018 6:40:00 PM	1/8/2018 6:40:00 PM	Conductivity	n/a	=	204.4	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OXN	2017/18-1	Wet	1/8/2018 6:40:00 PM	1/16/2018 6:51:00 PM	Cyanide	Total	=	0.0028	mg/L	ASTM D7511	0.0005	0.002	Field Crew	
MO-OXN	2017/18-1	Wet	1/8/2018 6:40:00 PM	1/8/2018 6:40:00 PM	DO	n/a	=	140.5	%	Field Meter	-88	0.1	Field Crew	
MO-OXN	2017/18-1	Wet	1/8/2018 6:40:00 PM	1/8/2018 6:40:00 PM	DO	n/a	=	14.05	mg/L	Field Meter	-88	0.3	Field Crew	
MO-OXN	2017/18-1	Wet	1/8/2018 6:40:00 PM	1/8/2018 6:40:00 PM	pH	n/a	=	6.7	pH Units	Field Meter	-88	0.01	Field Crew	
MO-OXN	2017/18-1	Wet	1/8/2018 6:40:00 PM	1/8/2018 6:40:00 PM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	
MO-OXN	2017/18-1	Wet	1/8/2018 6:40:00 PM	1/8/2018 6:40:00 PM	Specific Conductance	n/a	=	247.8	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OXN	2017/18-1	Wet	1/8/2018 6:40:00 PM	1/8/2018 6:40:00 PM	Temperature	n/a	=	15.9	°C	Field Meter	-88	0.1	Field Crew	
MO-OXN	2017/18-1	Wet	1/8/2018 6:40:00 PM	1/18/2018 7:51:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
MO-OXN	2017/18-1	Wet	1/8/2018 6:40:00 PM	1/19/2018 5:44:00 PM	Oil and Grease	n/a	DNQ	3.1	mg/L	EPA 1664A	1.3	5	WKL	
MO-OXN	2017/18-1	Wet	1/8/2018 6:40:00 PM	1/12/2018 3:40:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-OXN	2017/18-1	Wet	1/8/2018 6:40:00 PM	1/12/2018 3:40:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/15/2018 1:00:00 PM	Chloride	n/a	=	26	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/15/2018 1:00:00 PM	Fluoride	n/a	=	0.16	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/18/2018 12:55:00 AM	Perchlorate	n/a	<	2.8	µg/L	EPA 314.0	2.8	6	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/15/2018 1:00:00 PM	Sulfate	Total	=	25	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/18/2018 11:43:00 AM	Calcium	Total	=	20.8	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/18/2018 11:43:00 AM	Magnesium	Total	=	4.37	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/18/2018 11:43:00 AM	Potassium	Total	=	4.7	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/18/2018 11:43:00 AM	Sodium	Total	=	11	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/15/2018 1:41:00 PM	Alkalinity as CaCO3	n/a	=	32	mg/L	SM 2320 B	0.56	2	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/16/2018 5:05:00 PM	BOD	n/a	=	37	mg/L	SM 5210 B	2	2	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/17/2018 9:48:00 AM	COD	n/a	=	150	mg/L	EPA 410.4	0.73	5	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/22/2018 4:21:00 PM	Dissolved Inorganic Carbon	Dissolved	=	6.4	mg/L	SM 5310 B	0.5	0.5	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/15/2018 12:47:00 PM	Dissolved Organic Carbon	Dissolved	=	25	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/18/2018 11:43:00 AM	Hardness as CaCO3	Total	=	69.9	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/11/2018 9:34:00 PM	MBAS	n/a	=	0.38	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/19/2018 11:02:00 AM	Phenolics	n/a	=	0.019	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/16/2018 1:51:00 PM	Specific Conductance	n/a	=	210	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/16/2018 8:53:00 PM	Total Dissolved Solids	n/a	=	170	mg/L	SM 2540 C	4	10	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/12/2018 8:49:00 AM	Total Organic Carbon	n/a	=	23	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/15/2018 1:45:00 PM	Total Suspended Solids	n/a	=	220	mg/L	SM 2540 D	-88	5	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/11/2018 10:25:00 AM	Turbidity	n/a	=	35	NTU	EPA 180.1	0.024	0.1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/15/2018 1:45:00 PM	Volatile Suspended Solids	n/a	=	63	mg/L	EPA 160.4	3.1	5	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/26/2018 2:06:00 PM	Diesel Range Organics	n/a	=	1.3	mg/L	EPA 8015D	0.048	0.2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/26/2018 2:06:00 PM	Oil Range Organics	n/a	=	1.8	mg/L	EPA 8015D	0.66	1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 1:53:00 PM	Aluminum	Dissolved	=	36	µg/L	EPA 200.8	1.3	5	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 1:57:00 PM	Aluminum	Total	=	2200	µg/L	EPA 200.8	1.3	5	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 1:53:00 PM	Antimony	Dissolved	=	1.2	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 1:57:00 PM	Antimony	Total	=	2.7	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 1:53:00 PM	Arsenic	Dissolved	=	0.92	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 1:57:00 PM	Arsenic	Total	=	1.9	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 1:57:00 PM	Barium	Total	=	61	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 1:53:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 1:57:00 PM	Beryllium	Total	DNQ	0.095	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 1:53:00 PM	Cadmium	Dissolved	DNQ	0.074	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 1:57:00 PM	Cadmium	Total	=	0.35	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 1:53:00 PM	Chromium	Dissolved	=	1.5	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 1:57:00 PM	Chromium	Total	=	6.2	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/21/2018 2:29:00 PM	Chromium VI	n/a	=	1.4	µg/L	EPA 218.6	0.0096	0.04	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 1:53:00 PM	Copper	Dissolved	=	11	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 1:57:00 PM	Copper	Total	=	35	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/18/2018 11:05:00 AM	Iron	Dissolved	=	66	µg/L	EPA 200.7	1.1	10	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/18/2018 11:43:00 AM	Iron	Total	=	3500	µg/L	EPA 200.7	1.1	10	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 1:53:00 PM	Lead	Dissolved	=	0.59	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 1:57:00 PM	Lead	Total	=	11	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/18/2018 4:03:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/18/2018 4:01:00 PM	Mercury	Total	DNQ	22	ng/L	EPA 245.1	17	50	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 1:53:00 PM	Nickel	Dissolved	=	3.8	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 1:57:00 PM	Nickel	Total	=	8.6	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 1:53:00 PM	Selenium	Dissolved	DNQ	0.27	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 1:57:00 PM	Selenium	Total	=	0.47	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 1:53:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 1:57:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 1:53:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 1:57:00 PM	Thallium	Total	DNQ	0.035	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 1:53:00 PM	Zinc	Dissolved	=	75	µg/L	EPA 200.8	0.94	5	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 1:57:00 PM	Zinc	Total	=	210	µg/L	EPA 200.8	0.94	5	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/13/2018 8:03:00 PM	Ammonia as N	n/a	=	0.56	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/15/2018 12:37:00 PM	Nitrate + Nitrite as N	n/a	=	0.68	mg/L	EPA 353.2	0.083	0.2	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/15/2018 7:36:00 PM	Phosphorus as P	Dissolved	=	0.21	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/22/2018 4:12:00 PM	Phosphorus as P	Total	=	0.56	mg/L	EPA 365.1	0.007	0.05	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/26/2018 5:09:00 PM	TKN	n/a	=	3.1	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/26/2018 1:32:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/26/2018 1:32:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/26/2018 1:32:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/26/2018 1:32:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/26/2018 1:32:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	2/2/2018 3:10:00 AM	1-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/29/2018 8:55:00 PM	2,4,5-Trichlorophenol	n/a	<	2.9	µg/L	EPA 8270C	2.9	10	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/26/2018 1:32:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/29/2018 8:55:00 PM	2,4,6-Trichlorophenol	n/a	<	3	µg/L	EPA 8270C	3	10	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/26/2018 1:32:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/29/2018 8:55:00 PM	2,4-Dichlorophenol	n/a	<	5.1	µg/L	EPA 8270C	5.1	10	WKL	EST-LCSRPD
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/26/2018 1:32:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/29/2018 8:55:00 PM	2,4-Dimethylphenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	EST-LCSRPD
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/26/2018 1:32:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/29/2018 8:55:00 PM	2,4-Dinitrophenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/26/2018 1:32:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/26/2018 1:32:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/26/2018 1:32:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/29/2018 8:55:00 PM	2-Chlorophenol	n/a	<	6.5	µg/L	EPA 8270C	6.5	10	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/26/2018 1:32:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	2/2/2018 3:10:00 AM	2-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/29/2018 8:55:00 PM	2-Methylphenol	n/a	<	3.4	µg/L	EPA 8270C	3.4	10	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/26/2018 1:32:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/29/2018 8:55:00 PM	2-Nitrophenol	n/a	<	7.1	µg/L	EPA 8270C	7.1	10	WKL	EST-LCSRPD
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/26/2018 1:32:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/29/2018 8:55:00 PM	3-/4-Methylphenol	n/a	<	3	µg/L	EPA 8270C	3	10	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/26/2018 1:32:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/29/2018 8:55:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	10	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/26/2018 1:32:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/26/2018 1:32:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/29/2018 8:55:00 PM	4-Chloro-3-methylphenol	n/a	<	3.7	µg/L	EPA 8270C	3.7	10	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/26/2018 1:32:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/29/2018 8:55:00 PM	4-Nitrophenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/26/2018 1:32:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/26/2018 1:32:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	2/2/2018 3:10:00 AM	Acenaphthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/26/2018 1:32:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	2/2/2018 3:10:00 AM	Acenaphthylene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/26/2018 1:32:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	2/2/2018 3:10:00 AM	Anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	2/2/2018 1:32:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	2/2/2018 3:10:00 AM	Benz(a)anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/26/2018 1:32:00 AM	Benzo(a)pyrene	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/24/2018 12:49:00 AM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/26/2018 1:32:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	2/2/2018 3:10:00 AM	Benzo(a)pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	2/2/2018 3:10:00 AM	Benzo(b)fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/26/2018 1:32:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/26/2018 1:32:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	2/2/2018 3:10:00 AM	Benzo(g,h,i)perylene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	2/2/2018 3:10:00 AM	Benzo(k)fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/26/2018 1:32:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/26/2018 1:32:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/26/2018 1:32:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/26/2018 1:32:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/24/2018 12:49:00 AM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/26/2018 1:32:00 AM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	2.4	µg/L	EPA 625	2.3	5	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/25/2018 8:03:00 PM	Bis(2-ethylhexyl)phthalate	n/a	=	3.4	µg/L	EPA 525.2	1.1	3	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/26/2018 1:32:00 AM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/26/2018 1:32:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	2/2/2018 3:10:00 AM	Chrysene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/26/2018 1:32:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	2/2/2018 3:10:00 AM	Dibenz(a,h)anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/26/2018 1:32:00 AM	Diethyl phthalate	n/a	DNQ	0.33	µg/L	EPA 625	0.15	1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/26/2018 1:32:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/26/2018 1:32:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/26/2018 1:32:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	2/2/2018 3:10:00 AM	Fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	EST-LCSRPD
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/26/2018 1:32:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/26/2018 1:32:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	2/2/2018 3:10:00 AM	Fluorene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/26/2018 1:32:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/26/2018 1:32:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/26/2018 1:32:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/26/2018 1:32:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	2/2/2018 3:10:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/26/2018 1:32:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/26/2018 1:32:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	2/2/2018 3:10:00 AM	Naphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/26/2018 1:32:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/26/2018 1:32:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/26/2018 1:32:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/26/2018 1:32:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/26/2018 1:32:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/26/2018 1:32:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	2/2/2018 3:10:00 AM	Phenanthrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/29/2018 8:55:00 PM	Phenol	n/a	<	3.5	µg/L	EPA 8270C	3.5	10	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/26/2018 1:32:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/26/2018 1:32:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	2/2/2018 3:10:00 AM	Pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/24/2018 12:47:00 PM	PCB Aroclor 1016	n/a	<	1	µg/L	EPA 608	1	10	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/24/2018 12:47:00 PM	PCB Aroclor 1221	n/a	<	1.2	µg/L	EPA 608	1.2	10	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/24/2018 12:47:00 PM	PCB Aroclor 1232	n/a	<	3	µg/L	EPA 608	3	10	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/24/2018 12:47:00 PM	PCB Aroclor 1242	n/a	<	1.4	µg/L	EPA 608	1.4	10	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/24/2018 12:47:00 PM	PCB Aroclor 1248	n/a	<	1.2	µg/L	EPA 608	1.2	10	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/24/2018 12:47:00 PM	PCB Aroclor 1254	n/a	<	0.8	µg/L	EPA 608	0.8	10	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/24/2018 12:47:00 PM	PCB Aroclor 1260	n/a	<	0.8	µg/L	EPA 608	0.8	10	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/13/2018 8:30:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/13/2018 8:30:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/13/2018 8:30:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/13/2018 8:30:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/13/2018 8:30:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/24/2018 12:47:00 PM	4,4'-DDD	n/a	<	0.06	µg/L	EPA 608	0.06	1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/24/2018 12:47:00 PM	4,4'-DDE	n/a	<	0.05	µg/L	EPA 608	0.05	1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/24/2018 12:47:00 PM	4,4'-DDT	n/a	<	0.062	µg/L	EPA 608	0.062	0.2	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/13/2018 8:30:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/24/2018 12:49:00 AM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/24/2018 12:47:00 PM	Aldrin	n/a	<	0.03	µg/L	EPA 608	0.03	0.1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/24/2018 12:47:00 PM	alpha-BHC	n/a	<	0.036	µg/L	EPA 608	0.036	0.2	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/24/2018 12:47:00 PM	alpha-Chlordane	n/a	<	0.082	µg/L	EPA 608	0.082	0.2	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/24/2018 12:49:00 AM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/30/2018 10:56:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/13/2018 8:30:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/24/2018 12:47:00 PM	beta-BHC	n/a	<	0.062	µg/L	EPA 608	0.062	0.1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/30/2018 10:56:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/24/2018 12:49:00 AM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/24/2018 12:49:00 AM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/24/2018 12:49:00 AM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/24/2018 12:47:00 PM	Chlordane (technical)	n/a	<	1.6	µg/L	EPA 608	1.6	2	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/24/2018 12:49:00 AM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/30/2018 10:56:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/30/2018 10:56:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/24/2018 12:49:00 AM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/13/2018 8:30:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/13/2018 8:30:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/24/2018 12:47:00 PM	delta-BHC	n/a	<	0.05	µg/L	EPA 608	0.05	0.1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/30/2018 10:56:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/30/2018 10:56:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/24/2018 12:49:00 AM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/30/2018 10:56:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/13/2018 8:30:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/13/2018 8:30:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/30/2018 10:56:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/24/2018 12:47:00 PM	Dieldrin	n/a	<	0.042	µg/L	EPA 608	0.042	0.2	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/30/2018 10:56:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/24/2018 12:49:00 AM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/13/2018 8:30:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/24/2018 12:49:00 AM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/30/2018 10:56:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/24/2018 12:49:00 AM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/24/2018 12:47:00 PM	Endosulfan I	n/a	<	0.034	µg/L	EPA 608	0.034	0.4	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/24/2018 12:47:00 PM	Endosulfan II	n/a	<	0.038	µg/L	EPA 608	0.038	0.2	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/24/2018 12:47:00 PM	Endosulfan sulfate	n/a	<	0.16	µg/L	EPA 608	0.16	1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/24/2018 12:47:00 PM	Endrin	n/a	<	0.056	µg/L	EPA 608	0.056	0.2	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/24/2018 12:47:00 PM	Endrin aldehyde	n/a	<	0.06	µg/L	EPA 608	0.06	0.2	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/24/2018 12:49:00 AM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/30/2018 10:56:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/30/2018 10:56:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/30/2018 10:56:00 PM	Fensulfthion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/30/2018 10:56:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/24/2018 12:47:00 PM	gamma-BHC (Lindane)	n/a	<	0.042	µg/L	EPA 608	0.042	0.4	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/24/2018 12:47:00 PM	gamma-Chlordane	n/a	<	0.088	µg/L	EPA 608	0.088	0.2	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/11/2018 8:10:00 PM	Glyphosate	n/a	=	13	µg/L	EPA 547	3.6	10	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/24/2018 12:47:00 PM	Heptachlor	n/a	<	0.034	µg/L	EPA 608	0.034	0.2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/24/2018 12:47:00 PM	Heptachlor epoxide	n/a	<	0.038	µg/L	EPA 608	0.038	0.2	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/30/2018 10:56:00 PM	Malathion	n/a	=	0.039	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/30/2018 10:56:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/24/2018 12:47:00 PM	Methoxychlor	n/a	<	0.11	µg/L	EPA 608	0.11	0.4	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/30/2018 10:56:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/24/2018 12:49:00 AM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/24/2018 12:49:00 AM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/30/2018 10:56:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/24/2018 12:49:00 AM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/30/2018 10:56:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/29/2018 8:55:00 PM	Pentachlorophenol	n/a	DNQ	4.3	µg/L	EPA 8270C	1.5	10	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/26/2018 1:32:00 AM	Pentachlorophenol	n/a	DNQ	0.62	µg/L	EPA 625	0.19	1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/13/2018 8:30:00 AM	Pentachlorophenol	n/a	DNQ	0.13	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/30/2018 10:56:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/13/2018 8:30:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/24/2018 12:49:00 AM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	EST-LCSRDP
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/24/2018 12:49:00 AM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/30/2018 10:56:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/24/2018 12:49:00 AM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/30/2018 10:56:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/24/2018 12:49:00 AM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/24/2018 12:49:00 AM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/30/2018 10:56:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/24/2018 12:47:00 PM	Toxaphene	n/a	<	2.4	µg/L	EPA 608	2.4	10	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/30/2018 10:56:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-OXN	2017/18-1	Wet	1/10/2018 10:35:00 AM	1/24/2018 12:49:00 AM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-OXN	2017/18-2	Wet	3/2/2018 6:15:00 AM	3/3/2018 8:45:00 AM	E. Coli	n/a	=	4106	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-OXN	2017/18-2	Wet	3/2/2018 6:15:00 AM	3/4/2018 10:07:00 AM	Fecal Coliform	n/a	=	9400	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-OXN	2017/18-2	Wet	3/2/2018 6:15:00 AM	3/3/2018 8:45:00 AM	Total Coliform	n/a	=	111990	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-OXN	2017/18-2	Wet	3/2/2018 6:15:00 AM	3/2/2018 6:15:00 AM	Conductivity	n/a	=	226.8	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OXN	2017/18-2	Wet	3/2/2018 6:15:00 AM	3/7/2018 4:36:00 PM	Cyanide	Total	=	0.0033	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-OXN	2017/18-2	Wet	3/2/2018 6:15:00 AM	3/2/2018 6:15:00 AM	DO	n/a	=	84.9	%	Field Meter	-88	0.1	Field Crew	
MO-OXN	2017/18-2	Wet	3/2/2018 6:15:00 AM	3/2/2018 6:15:00 AM	DO	n/a	=	8.68	mg/L	Field Meter	-88	0.3	Field Crew	
MO-OXN	2017/18-2	Wet	3/2/2018 6:15:00 AM	3/2/2018 6:15:00 AM	pH	n/a	=	7.56	pH Units	Field Meter	-88	0.01	Field Crew	
MO-OXN	2017/18-2	Wet	3/2/2018 6:15:00 AM	3/2/2018 6:15:00 AM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	
MO-OXN	2017/18-2	Wet	3/2/2018 6:15:00 AM	3/2/2018 6:15:00 AM	Specific Conductance	n/a	=	287.6	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OXN	2017/18-2	Wet	3/2/2018 6:15:00 AM	3/2/2018 6:15:00 AM	Temperature	n/a	=	13.9	°C	Field Meter	-88	0.1	Field Crew	
MO-OXN	2017/18-2	Wet	3/2/2018 6:15:00 AM	3/5/2018 10:18:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
MO-OXN	2017/18-2	Wet	3/2/2018 6:15:00 AM	3/13/2018 5:21:00 PM	Oil and Grease	n/a	DNQ	1.7	mg/L	EPA 1664A	1.3	5	WKL	
MO-OXN	2017/18-2	Wet	3/2/2018 6:15:00 AM	3/5/2018 6:28:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-OXN	2017/18-2	Wet	3/2/2018 6:15:00 AM	3/5/2018 6:28:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/15/2018 7:00:00 PM	Chloride	n/a	=	13	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/15/2018 7:00:00 PM	Fluoride	n/a	=	0.19	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/5/2018 7:57:00 PM	Perchlorate	n/a	<	2.8	µg/L	EPA 314.0	2.8	6	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/15/2018 7:00:00 PM	Sulfate	Total	=	18	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/19/2018 3:58:00 PM	Calcium	Total	=	12.2	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/19/2018 3:58:00 PM	Magnesium	Total	=	2.93	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/19/2018 3:58:00 PM	Potassium	Total	=	3.6	mg/L	EPA 200.7	0.081	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/19/2018 3:58:00 PM	Sodium	Total	=	9.8	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/5/2018 5:50:00 PM	Alkalinity as CaCO3	n/a	=	32	mg/L	SM 2320 B	0.56	2	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/9/2018 12:10:00 PM	BOD	n/a	=	15	mg/L	SM 5210 B	2	2	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/13/2018 9:29:00 AM	COD	n/a	=	120	mg/L	EPA 410.4	0.73	5	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/13/2018 12:33:00 PM	Dissolved Inorganic Carbon	Dissolved	=	6.5	mg/L	SM 5310 B	0.5	0.5	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/14/2018 9:58:00 AM	Dissolved Organic Carbon	Dissolved	=	23	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/19/2018 3:58:00 PM	Hardness as CaCO3	Total	=	42.6	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/4/2018 7:25:00 PM	MBAS	n/a	=	0.83	mg/L	SM 5540 C	0.076	0.2	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/26/2018 4:05:00 PM	Phenolics	n/a	=	0.029	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/7/2018 5:24:00 PM	Specific Conductance	n/a	=	150	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/8/2018 5:49:00 PM	Total Dissolved Solids	n/a	=	95	mg/L	SM 2540 C	4	10	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/12/2018 10:51:00 AM	Total Organic Carbon	n/a	=	23	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/8/2018 5:55:00 PM	Total Suspended Solids	n/a	=	130	mg/L	SM 2540 D	-88	5	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/4/2018 11:49:00 AM	Turbidity	n/a	=	38	NTU	EPA 180.1	0.024	0.1	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/8/2018 5:55:00 PM	Volatile Suspended Solids	n/a	=	45	mg/L	EPA 160.4	3.1	5	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/16/2018 12:32:00 AM	Diesel Range Organics	n/a	=	2.2	mg/L	EPA 8015D	0.024	0.1	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/16/2018 12:32:00 AM	Oil Range Organics	n/a	=	2.7	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/19/2018 3:56:00 PM	Aluminum	Dissolved	=	55	µg/L	EPA 200.8	1.3	5	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/19/2018 4:00:00 PM	Aluminum	Total	=	1500	µg/L	EPA 200.8	1.3	5	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/20/2018 1:28:00 PM	Antimony	Dissolved	=	1.6	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/20/2018 1:31:00 PM	Antimony	Total	=	2.5	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/19/2018 3:56:00 PM	Arsenic	Dissolved	=	1.1	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/19/2018 4:00:00 PM	Arsenic	Total	=	1.7	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/19/2018 4:00:00 PM	Barium	Total	=	39	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/20/2018 1:28:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/20/2018 1:31:00 PM	Beryllium	Total	DNQ	0.05	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/19/2018 3:56:00 PM	Cadmium	Dissolved	DNQ	0.068	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/19/2018 4:00:00 PM	Cadmium	Total	=	0.22	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/19/2018 3:56:00 PM	Chromium	Dissolved	=	1.5	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/19/2018 4:00:00 PM	Chromium	Total	=	4.9	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/11/2018 3:12:00 PM	Chromium VI	n/a	=	1.1	µg/L	EPA 218.6	0.024	0.1	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/19/2018 3:56:00 PM	Copper	Dissolved	=	14	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/19/2018 4:00:00 PM	Copper	Total	=	32	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/19/2018 3:15:00 PM	Iron	Dissolved	=	79	µg/L	EPA 200.7	1.1	10	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/19/2018 3:58:00 PM	Iron	Total	=	2200	µg/L	EPA 200.7	1.1	10	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/19/2018 3:56:00 PM	Lead	Dissolved	=	0.44	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/19/2018 4:00:00 PM	Lead	Total	=	7.2	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/15/2018 12:44:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/15/2018 12:45:00 PM	Mercury	Total	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/19/2018 3:56:00 PM	Nickel	Dissolved	=	3.9	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/19/2018 4:00:00 PM	Nickel	Total	=	7.1	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/19/2018 3:56:00 PM	Selenium	Dissolved	DNQ	0.28	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/19/2018 4:00:00 PM	Selenium	Total	=	0.49	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/19/2018 3:56:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/19/2018 4:00:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/19/2018 3:56:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/19/2018 4:00:00 PM	Thallium	Total	DNQ	0.018	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/19/2018 3:56:00 PM	Zinc	Dissolved	=	84	µg/L	EPA 200.8	0.94	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/19/2018 4:00:00 PM	Zinc	Total	=	160	µg/L	EPA 200.8	0.94	5	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/14/2018 6:29:00 PM	Ammonia as N	n/a	=	0.59	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/6/2018 3:13:00 PM	Nitrate + Nitrite as N	n/a	=	0.68	mg/L	EPA 353.2	0.083	0.2	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/19/2018 12:43:00 PM	Phosphorus as P	Dissolved	=	0.25	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/16/2018 11:36:00 AM	Phosphorus as P	Total	=	0.5	mg/L	EPA 365.1	0.0056	0.04	WKL	LB-MSR
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/19/2018 3:16:00 PM	TKN	n/a	=	2.7	mg/L	EPA 351.2	0.1	0.2	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/15/2018 5:34:00 AM	1,2,4-Trichlorobenzene	n/a	<	5.5	µg/L	EPA 625	5.5	10	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/15/2018 5:34:00 AM	1,2-Dichlorobenzene	n/a	<	5.7	µg/L	EPA 625	5.7	10	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/15/2018 5:34:00 AM	1,2-Diphenylhydrazine	n/a	<	2.5	µg/L	EPA 625	2.5	10	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/15/2018 5:34:00 AM	1,3-Dichlorobenzene	n/a	<	5.3	µg/L	EPA 625	5.3	10	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/15/2018 5:34:00 AM	1,4-Dichlorobenzene	n/a	<	5.5	µg/L	EPA 625	5.5	10	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/20/2018 9:22:00 AM	1-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/26/2018 6:15:00 PM	2,4,5-Trichlorophenol	n/a	<	2.9	µg/L	EPA 8270C	2.9	10	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/15/2018 5:34:00 AM	2,4,6-Trichlorophenol	n/a	<	2.2	µg/L	EPA 625	2.2	10	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/26/2018 6:15:00 PM	2,4,6-Trichlorophenol	n/a	<	3	µg/L	EPA 8270C	3	10	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/15/2018 5:34:00 AM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 625	2.6	10	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/26/2018 6:15:00 PM	2,4-Dichlorophenol	n/a	<	5.1	µg/L	EPA 8270C	5.1	10	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/15/2018 5:34:00 AM	2,4-Dimethylphenol	n/a	<	3	µg/L	EPA 625	3	10	WKL	EST-LCSRDP
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/26/2018 6:15:00 PM	2,4-Dimethylphenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	LCSRDP, LB-L
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/15/2018 5:34:00 AM	2,4-Dinitrophenol	n/a	<	16	µg/L	EPA 625	16	100	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/26/2018 6:15:00 PM	2,4-Dinitrophenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/15/2018 5:34:00 AM	2,4-Dinitrotoluene	n/a	<	1.8	µg/L	EPA 625	1.8	10	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/15/2018 5:34:00 AM	2,6-Dinitrotoluene	n/a	<	2.7	µg/L	EPA 625	2.7	10	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/15/2018 5:34:00 AM	2-Chloronaphthalene	n/a	<	4.5	µg/L	EPA 625	4.5	10	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/15/2018 5:34:00 AM	2-Chlorophenol	n/a	<	2.8	µg/L	EPA 625	2.8	10	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/26/2018 6:15:00 PM	2-Chlorophenol	n/a	<	6.5	µg/L	EPA 8270C	6.5	10	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/20/2018 9:22:00 AM	2-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/26/2018 6:15:00 PM	2-Methylphenol	n/a	<	3.4	µg/L	EPA 8270C	3.4	10	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/15/2018 5:34:00 AM	2-Nitrophenol	n/a	<	2.6	µg/L	EPA 625	2.6	10	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/26/2018 6:15:00 PM	2-Nitrophenol	n/a	<	7.1	µg/L	EPA 8270C	7.1	10	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/15/2018 5:34:00 AM	3,3'-Dichlorobenzidine	n/a	<	12	µg/L	EPA 625	12	50	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/26/2018 6:15:00 PM	3-/4-Methylphenol	n/a	<	3	µg/L	EPA 8270C	3	10	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/15/2018 5:34:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	17	µg/L	EPA 625	17	50	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/26/2018 6:15:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	10	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/15/2018 5:34:00 AM	4-Bromophenyl phenyl ether	n/a	<	3.6	µg/L	EPA 625	3.6	10	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/26/2018 6:15:00 PM	4-Chloro-3-methylphenol	n/a	<	3.7	µg/L	EPA 8270C	3.7	10	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/15/2018 5:34:00 AM	4-Chloro-3-methylphenol	n/a	<	2.3	µg/L	EPA 625	2.3	10	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/15/2018 5:34:00 AM	4-Chlorophenyl phenyl ether	n/a	<	4.1	µg/L	EPA 625	4.1	10	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/15/2018 5:34:00 AM	4-Nitrophenol	n/a	<	4.5	µg/L	EPA 625	4.5	50	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/26/2018 6:15:00 PM	4-Nitrophenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/15/2018 5:34:00 AM	Acenaphthene	n/a	<	3.8	µg/L	EPA 625	3.8	10	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/20/2018 9:22:00 AM	Acenaphthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/15/2018 5:34:00 AM	Acenaphthylene	n/a	<	4	µg/L	EPA 625	4	10	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/20/2018 9:22:00 AM	Acenaphthylene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/15/2018 5:34:00 AM	Anthracene	n/a	<	3.4	µg/L	EPA 625	3.4	10	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/20/2018 9:22:00 AM	Anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/15/2018 5:34:00 AM	Benz(a)anthracene	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/20/2018 9:22:00 AM	Benz(a)anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/15/2018 5:34:00 AM	Benidine	n/a	<	37	µg/L	EPA 625	37	100	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/20/2018 9:22:00 AM	Benzo(a)pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/20/2018 3:47:00 AM	Benzo(a)pyrene	n/a	<	0.35	µg/L	EPA 525.2	0.35	0.5	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/15/2018 5:34:00 AM	Benzo(a)pyrene	n/a	<	1.3	µg/L	EPA 625	1.3	10	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/20/2018 9:22:00 AM	Benzo(b)fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/15/2018 5:34:00 AM	Benzo(b)fluoranthene	n/a	<	1.4	µg/L	EPA 625	1.4	10	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/15/2018 5:34:00 AM	Benzo(g,h,i)perylene	n/a	<	1	µg/L	EPA 625	1	20	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/20/2018 9:22:00 AM	Benzo(g,h,i)perylene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/15/2018 5:34:00 AM	Benzo(k)fluoranthene	n/a	<	2.2	µg/L	EPA 625	2.2	10	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/20/2018 9:22:00 AM	Benzo(k)fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/15/2018 5:34:00 AM	Bis(2-chloroethoxy)methane	n/a	<	2.5	µg/L	EPA 625	2.5	10	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/15/2018 5:34:00 AM	Bis(2-chloroethyl)ether	n/a	<	2.7	µg/L	EPA 625	2.7	10	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/15/2018 5:34:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	3.8	µg/L	EPA 625	3.8	10	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/20/2018 4:47:00 AM	Bis(2-ethylhexyl)adipate	n/a	<	0.52	µg/L	EPA 525.2	0.52	25	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/20/2018 3:47:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	5.3	µg/L	EPA 525.2	5.3	15	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/15/2018 5:34:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	23	µg/L	EPA 625	23	50	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/15/2018 5:34:00 AM	Butyl benzyl phthalate	n/a	<	1.8	µg/L	EPA 625	1.8	10	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/15/2018 5:34:00 AM	Chrysene	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/20/2018 9:22:00 AM	Chrysene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/15/2018 5:34:00 AM	Dibenz(a,h)anthracene	n/a	<	0.8	µg/L	EPA 625	0.8	20	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/20/2018 9:22:00 AM	Dibenz(a,h)anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/15/2018 5:34:00 AM	Diethyl phthalate	n/a	<	1.5	µg/L	EPA 625	1.5	10	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/15/2018 5:34:00 AM	Dimethyl phthalate	n/a	<	1.8	µg/L	EPA 625	1.8	10	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/15/2018 5:34:00 AM	Di-n-butylphthalate	n/a	<	2.4	µg/L	EPA 625	2.4	10	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/15/2018 5:34:00 AM	Di-n-octylphthalate	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/20/2018 9:22:00 AM	Fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/15/2018 5:34:00 AM	Fluoranthene	n/a	<	2.2	µg/L	EPA 625	2.2	10	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/15/2018 5:34:00 AM	Fluorene	n/a	<	3.5	µg/L	EPA 625	3.5	10	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/20/2018 9:22:00 AM	Fluorene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/15/2018 5:34:00 AM	Hexachlorobenzene	n/a	<	4.9	µg/L	EPA 625	4.9	10	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/15/2018 5:34:00 AM	Hexachlorobutadiene	n/a	<	4.7	µg/L	EPA 625	4.7	10	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/15/2018 5:34:00 AM	Hexachlorocyclopentadiene	n/a	<	15	µg/L	EPA 625	15	50	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/15/2018 5:34:00 AM	Hexachloroethane	n/a	<	5.2	µg/L	EPA 625	5.2	10	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/15/2018 5:34:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	1.2	µg/L	EPA 625	1.2	20	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/20/2018 9:22:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/15/2018 5:34:00 AM	Isophorone	n/a	<	2.1	µg/L	EPA 625	2.1	10	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/15/2018 5:34:00 AM	Naphthalene	n/a	<	4.9	µg/L	EPA 625	4.9	10	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/20/2018 9:22:00 AM	Naphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/15/2018 5:34:00 AM	Nitrobenzene	n/a	<	3.6	µg/L	EPA 625	3.6	10	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/15/2018 5:34:00 AM	N-Nitrosodimethylamine	n/a	<	1.4	µg/L	EPA 625	1.4	10	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/15/2018 5:34:00 AM	N-Nitrosodi-N-propylamine	n/a	<	2.6	µg/L	EPA 625	2.6	10	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/15/2018 5:34:00 AM	N-Nitrosodiphenylamine	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/20/2018 9:22:00 AM	Phenanthrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/15/2018 5:34:00 AM	Phenanthrene	n/a	<	3.2	µg/L	EPA 625	3.2	10	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/15/2018 5:34:00 AM	Phenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-OXN	2017/18-2	Wet	3/26/2018 8:00:00 AM	3/26/2018 6:15:00 PM	Phenol	n/a	<	3.5	µg/L	EPA 8270C	3.5	10	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/15/2018 5:34:00 AM	Pyrene	n/a	<	2.5	µg/L	EPA 625	2.5	10	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/20/2018 9:22:00 AM	Pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/20/2018 8:25:00 AM	PCB Aroclor 1016	n/a	<	0.5	µg/L	EPA 608	0.5	5	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/20/2018 8:25:00 AM	PCB Aroclor 1221	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/20/2018 8:25:00 AM	PCB Aroclor 1232	n/a	<	1.5	µg/L	EPA 608	1.5	5	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/20/2018 8:25:00 AM	PCB Aroclor 1242	n/a	<	0.7	µg/L	EPA 608	0.7	5	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/20/2018 8:25:00 AM	PCB Aroclor 1248	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/20/2018 8:25:00 AM	PCB Aroclor 1254	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/20/2018 8:25:00 AM	PCB Aroclor 1260	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/13/2018 6:07:00 PM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/13/2018 6:07:00 PM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/13/2018 6:07:00 PM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/13/2018 6:07:00 PM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/13/2018 6:07:00 PM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/20/2018 8:25:00 AM	4,4'-DDD	n/a	<	0.03	µg/L	EPA 608	0.03	0.5	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/20/2018 8:25:00 AM	4,4'-DDE	n/a	<	0.025	µg/L	EPA 608	0.025	0.5	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/20/2018 8:25:00 AM	4,4'-DDT	n/a	<	0.031	µg/L	EPA 608	0.031	0.1	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/13/2018 6:07:00 PM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/20/2018 3:47:00 AM	Alachlor	n/a	<	0.11	µg/L	EPA 525.2	0.11	0.5	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/20/2018 8:00:00 AM	Aldrin	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/20/2018 8:25:00 AM	alpha-BHC	n/a	<	0.018	µg/L	EPA 608	0.018	0.1	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/20/2018 8:25:00 AM	alpha-Chlordane	n/a	<	0.041	µg/L	EPA 608	0.041	0.1	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/20/2018 3:47:00 AM	Atrazine	n/a	<	0.17	µg/L	EPA 525.2	0.17	0.5	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/9/2018 4:37:00 AM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/13/2018 6:07:00 PM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/20/2018 8:25:00 AM	beta-BHC	n/a	<	0.031	µg/L	EPA 608	0.031	0.05	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/9/2018 4:37:00 AM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/20/2018 3:47:00 AM	Bromacil	n/a	<	0.19	µg/L	EPA 525.2	0.19	5	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/20/2018 3:47:00 AM	Butachlor	n/a	<	0.085	µg/L	EPA 525.2	0.085	1	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/20/2018 3:47:00 AM	Captan	n/a	<	4.3	µg/L	EPA 525.2	4.3	5	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/20/2018 8:25:00 AM	Chlordane (technical)	n/a	<	0.8	µg/L	EPA 608	0.8	1	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/20/2018 3:47:00 AM	Chlorpropham	n/a	<	0.05	µg/L	EPA 525.2	0.05	0.5	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/9/2018 4:37:00 AM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/9/2018 4:37:00 AM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/20/2018 3:47:00 AM	Cyanazine	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/13/2018 6:07:00 PM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/13/2018 6:07:00 PM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/20/2018 8:25:00 AM	delta-BHC	n/a	<	0.025	µg/L	EPA 608	0.025	0.05	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/9/2018 4:37:00 AM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/9/2018 4:37:00 AM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/20/2018 3:47:00 AM	Diazinon	n/a	<	0.48	µg/L	EPA 525.2	0.48	0.5	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/9/2018 4:37:00 AM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/13/2018 6:07:00 PM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/13/2018 6:07:00 PM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/9/2018 4:37:00 AM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/20/2018 8:25:00 AM	Dieldrin	n/a	<	0.021	µg/L	EPA 608	0.021	0.1	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/21/2018 6:57:00 AM	Dimethoate	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/9/2018 4:37:00 AM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/13/2018 6:07:00 PM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/20/2018 3:47:00 AM	Diphenamid	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/9/2018 4:37:00 AM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/20/2018 3:47:00 AM	Disulfoton	n/a	<	0.16	µg/L	EPA 525.2	0.16	0.5	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/20/2018 8:25:00 AM	Endosulfan I	n/a	<	0.017	µg/L	EPA 608	0.017	0.2	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/20/2018 8:25:00 AM	Endosulfan II	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/20/2018 8:25:00 AM	Endosulfan sulfate	n/a	<	0.08	µg/L	EPA 608	0.08	0.5	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/20/2018 8:25:00 AM	Endrin	n/a	<	0.028	µg/L	EPA 608	0.028	0.1	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/20/2018 8:25:00 AM	Endrin aldehyde	n/a	<	0.03	µg/L	EPA 608	0.03	0.1	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/20/2018 3:47:00 AM	EPTC	n/a	<	0.085	µg/L	EPA 525.2	0.085	5	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/9/2018 4:37:00 AM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/9/2018 4:37:00 AM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/9/2018 4:37:00 AM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/9/2018 4:37:00 AM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/20/2018 8:25:00 AM	gamma-BHC (Lindane)	n/a	<	0.021	µg/L	EPA 608	0.021	0.2	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/20/2018 8:25:00 AM	gamma-Chlordane	n/a	<	0.044	µg/L	EPA 608	0.044	0.1	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/9/2018 7:56:00 PM	Glyphosate	n/a	=	31	µg/L	EPA 547	1.8	5	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/20/2018 8:25:00 AM	Heptachlor	n/a	<	0.017	µg/L	EPA 608	0.017	0.1	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/20/2018 8:25:00 AM	Heptachlor epoxide	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/9/2018 4:37:00 AM	Malathion	n/a	=	0.014	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/9/2018 4:37:00 AM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/20/2018 8:25:00 AM	Methoxychlor	n/a	<	0.054	µg/L	EPA 608	0.054	0.2	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/9/2018 4:37:00 AM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/20/2018 3:47:00 AM	Metolachlor	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.5	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/20/2018 3:47:00 AM	Metribuzin	n/a	<	0.075	µg/L	EPA 525.2	0.075	0.5	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/9/2018 4:37:00 AM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/20/2018 3:47:00 AM	Molinate	n/a	<	0.2	µg/L	EPA 525.2	0.2	0.5	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/9/2018 4:37:00 AM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/13/2018 6:07:00 PM	Pentachlorophenol	n/a	DNQ	0.11	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/15/2018 5:34:00 AM	Pentachlorophenol	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/26/2018 6:15:00 PM	Pentachlorophenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	10	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/9/2018 4:37:00 AM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/13/2018 6:07:00 PM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/20/2018 3:47:00 AM	Prometon	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/20/2018 3:47:00 AM	Prometryn	n/a	<	0.18	µg/L	EPA 525.2	0.18	0.5	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/9/2018 4:37:00 AM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/20/2018 3:47:00 AM	Simazine	n/a	<	0.075	µg/L	EPA 525.2	0.075	0.5	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/9/2018 4:37:00 AM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/20/2018 3:47:00 AM	Terbacil	n/a	<	2.8	µg/L	EPA 525.2	2.8	10	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/21/2018 8:57:00 AM	Thiobencarb	n/a	DNQ	0.2	µg/L	EPA 525.2	0.12	1	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/9/2018 4:37:00 AM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/20/2018 8:25:00 AM	Toxaphene	n/a	<	1.2	µg/L	EPA 608	1.2	5	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/9/2018 4:37:00 AM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-OXN	2017/18-2	Wet	3/3/2018 8:00:00 AM	3/20/2018 3:47:00 AM	Trithion	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.5	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:00:00 PM	3/11/2018 11:34:00 PM	E. Coli	n/a	=	5475	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-OXN	2017/18-3	Wet	3/10/2018 6:00:00 PM	3/12/2018 11:00:00 PM	Fecal Coliform	n/a	=	16000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-OXN	2017/18-3	Wet	3/10/2018 6:00:00 PM	3/11/2018 11:34:00 PM	Total Coliform	n/a	=	111990	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-OXN	2017/18-3	Wet	3/10/2018 6:00:00 PM	3/10/2018 6:00:00 PM	Conductivity	n/a	=	58.4	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OXN	2017/18-3	Wet	3/10/2018 6:00:00 PM	3/19/2018 4:29:00 PM	Cyanide	Total	=	0.0022	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:00:00 PM	3/10/2018 6:00:00 PM	DO	n/a	=	8.58	mg/L	Field Meter	-88	0.3	Field Crew	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OXN	2017/18-3	Wet	3/10/2018 6:00:00 PM	3/10/2018 6:00:00 PM	DO	n/a	=	87.7	%	Field Meter	-88	0.1	Field Crew	
MO-OXN	2017/18-3	Wet	3/10/2018 6:00:00 PM	3/10/2018 6:00:00 PM	pH	n/a	=	7.46	pH Units	Field Meter	-88	0.01	Field Crew	
MO-OXN	2017/18-3	Wet	3/10/2018 6:00:00 PM	3/10/2018 6:00:00 PM	Salinity	n/a	<	100	mg/L	Field Meter	-88	100	Field Crew	
MO-OXN	2017/18-3	Wet	3/10/2018 6:00:00 PM	3/10/2018 6:00:00 PM	Specific Conductance	n/a	=	69.7	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OXN	2017/18-3	Wet	3/10/2018 6:00:00 PM	3/10/2018 6:00:00 PM	Temperature	n/a	=	16.4	°C	Field Meter	-88	0.1	Field Crew	
MO-OXN	2017/18-3	Wet	3/10/2018 6:00:00 PM	3/16/2018 3:09:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:00:00 PM	3/27/2018 6:07:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:00:00 PM	3/13/2018 6:32:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:00:00 PM	3/13/2018 6:32:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/21/2018 2:00:00 PM	Chloride	n/a	=	5.9	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/21/2018 2:00:00 PM	Fluoride	n/a	=	0.14	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/12/2018 8:27:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/21/2018 2:00:00 PM	Sulfate	Total	=	11	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/26/2018 7:35:00 PM	Calcium	Total	=	10.4	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/26/2018 7:35:00 PM	Magnesium	Total	=	2.35	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/26/2018 7:35:00 PM	Potassium	Total	=	3	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/26/2018 7:35:00 PM	Sodium	Total	=	5.9	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/12/2018 1:51:00 PM	Alkalinity as CaCO3	n/a	=	28	mg/L	SM 2320 B	0.56	2	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/17/2018 6:25:00 PM	BOD	n/a	=	20	mg/L	SM 5210 B	2	2	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/19/2018 7:36:00 PM	COD	n/a	=	110	mg/L	EPA 410.4	0.73	5	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/15/2018 1:47:00 PM	Dissolved Inorganic Carbon	Dissolved	=	5	mg/L	SM 5310 B	0.5	0.5	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/19/2018 8:44:00 AM	Dissolved Organic Carbon	Dissolved	=	18	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/26/2018 7:35:00 PM	Hardness as CaCO3	Total	=	35.6	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/12/2018 4:40:00 PM	MBAS	n/a	=	0.39	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/27/2018 4:07:00 PM	Phenolics	n/a	DNQ	0.008	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/14/2018 5:40:00 PM	Specific Conductance	n/a	=	110	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/14/2018 10:29:00 AM	Total Dissolved Solids	n/a	=	67	mg/L	SM 2540 C	4	10	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 10:17:00 AM	Total Organic Carbon	n/a	=	17	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/14/2018 1:40:00 PM	Total Suspended Solids	n/a	=	140	mg/L	SM 2540 D	-88	5	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/12/2018 11:32:00 AM	Turbidity	n/a	=	44	NTU	EPA 180.1	0.048	0.2	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/14/2018 1:40:00 PM	Volatile Suspended Solids	n/a	=	65	mg/L	EPA 160.4	3.1	5	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/20/2018 1:55:00 AM	Diesel Range Organics	n/a	=	1.6	mg/L	EPA 8015D	0.048	0.2	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/20/2018 1:55:00 AM	Oil Range Organics	n/a	=	2.6	mg/L	EPA 8015D	0.66	1	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	4/2/2018 10:03:00 PM	Aluminum	Dissolved	=	51	µg/L	EPA 200.8	1.3	5	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	4/2/2018 10:07:00 PM	Aluminum	Total	=	2000	µg/L	EPA 200.8	1.3	5	WKL	HB-MSR
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/31/2018 2:06:00 AM	Antimony	Dissolved	=	1.6	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/31/2018 2:14:00 AM	Antimony	Total	=	2.8	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/31/2018 2:06:00 AM	Arsenic	Dissolved	=	1	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/31/2018 2:14:00 AM	Arsenic	Total	=	1.7	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/31/2018 2:14:00 AM	Barium	Total	=	46	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/31/2018 2:06:00 AM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/31/2018 2:14:00 AM	Beryllium	Total	DNQ	0.06	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/31/2018 2:06:00 AM	Cadmium	Dissolved	DNQ	0.09	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/31/2018 2:14:00 AM	Cadmium	Total	=	0.23	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/31/2018 2:06:00 AM	Chromium	Dissolved	=	1.5	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/31/2018 2:14:00 AM	Chromium	Total	=	5.6	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/15/2018 7:47:00 PM	Chromium VI	n/a	=	1.4	µg/L	EPA 218.6	0.024	0.1	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/31/2018 2:06:00 AM	Copper	Dissolved	=	12	µg/L	EPA 200.8	0.13	0.5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/31/2018 2:14:00 AM	Copper	Total	=	30	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/26/2018 6:57:00 PM	Iron	Dissolved	=	55	µg/L	EPA 200.7	1.1	10	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/26/2018 7:35:00 PM	Iron	Total	=	2600	µg/L	EPA 200.7	1.1	10	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/31/2018 2:06:00 AM	Lead	Dissolved	=	0.35	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/31/2018 2:14:00 AM	Lead	Total	=	7.9	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/23/2018 4:19:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/23/2018 4:21:00 PM	Mercury	Total	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/31/2018 2:06:00 AM	Nickel	Dissolved	=	3.2	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/31/2018 2:14:00 AM	Nickel	Total	=	6.9	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	4/2/2018 10:03:00 PM	Selenium	Dissolved	DNQ	0.23	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	4/2/2018 10:07:00 PM	Selenium	Total	DNQ	0.35	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/31/2018 2:06:00 AM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/31/2018 2:14:00 AM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/31/2018 2:06:00 AM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/31/2018 2:14:00 AM	Thallium	Total	DNQ	0.03	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/31/2018 2:06:00 AM	Zinc	Dissolved	=	78	µg/L	EPA 200.8	0.94	5	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/31/2018 2:14:00 AM	Zinc	Total	=	160	µg/L	EPA 200.8	0.94	5	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/21/2018 8:47:00 PM	Ammonia as N	n/a	=	0.62	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/25/2018 10:28:00 AM	Nitrate + Nitrite as N	n/a	=	0.63	mg/L	EPA 353.2	0.083	0.2	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/27/2018 6:00:00 PM	Phosphorus as P	Dissolved	=	0.19	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 11:44:00 AM	Phosphorus as P	Total	=	0.45	mg/L	EPA 365.1	0.007	0.05	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/23/2018 3:23:00 PM	TKN	n/a	=	2.3	mg/L	EPA 351.2	0.1	0.2	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 6:43:00 AM	1,2,4-Trichlorobenzene	n/a	<	5.5	µg/L	EPA 625	5.5	10	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 6:43:00 AM	1,2-Dichlorobenzene	n/a	<	5.7	µg/L	EPA 625	5.7	10	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 6:43:00 AM	1,2-Diphenylhydrazine	n/a	<	2.5	µg/L	EPA 625	2.5	10	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 6:43:00 AM	1,3-Dichlorobenzene	n/a	<	5.3	µg/L	EPA 625	5.3	10	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 6:43:00 AM	1,4-Dichlorobenzene	n/a	<	5.5	µg/L	EPA 625	5.5	10	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/27/2018 8:08:00 PM	1-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/23/2018 8:47:00 AM	2,4,5-Trichlorophenol	n/a	<	2.9	µg/L	EPA 8270C	2.9	10	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/23/2018 8:47:00 AM	2,4,6-Trichlorophenol	n/a	<	3	µg/L	EPA 8270C	3	10	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 6:43:00 AM	2,4,6-Trichlorophenol	n/a	<	2.2	µg/L	EPA 625	2.2	10	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 6:43:00 AM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 625	2.6	10	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/23/2018 8:47:00 AM	2,4-Dichlorophenol	n/a	<	5.1	µg/L	EPA 8270C	5.1	10	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 6:43:00 AM	2,4-Dimethylphenol	n/a	<	3	µg/L	EPA 625	3	10	WKL	EST-LCSRPD
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/23/2018 8:47:00 AM	2,4-Dimethylphenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/23/2018 8:47:00 AM	2,4-Dinitrophenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	EST-LCSRPD
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 6:43:00 AM	2,4-Dinitrophenol	n/a	<	16	µg/L	EPA 625	16	100	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 6:43:00 AM	2,4-Dinitrotoluene	n/a	<	1.8	µg/L	EPA 625	1.8	10	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 6:43:00 AM	2,6-Dinitrotoluene	n/a	<	2.7	µg/L	EPA 625	2.7	10	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 6:43:00 AM	2-Chloronaphthalene	n/a	<	4.5	µg/L	EPA 625	4.5	10	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 6:43:00 AM	2-Chlorophenol	n/a	<	2.8	µg/L	EPA 625	2.8	10	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/23/2018 8:47:00 AM	2-Chlorophenol	n/a	<	6.5	µg/L	EPA 8270C	6.5	10	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/27/2018 8:08:00 PM	2-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/23/2018 8:47:00 AM	2-Methylphenol	n/a	<	3.4	µg/L	EPA 8270C	3.4	10	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 6:43:00 AM	2-Nitrophenol	n/a	<	2.6	µg/L	EPA 625	2.6	10	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/23/2018 8:47:00 AM	2-Nitrophenol	n/a	<	7.1	µg/L	EPA 8270C	7.1	10	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 6:43:00 AM	3,3'-Dichlorobenzidine	n/a	<	12	µg/L	EPA 625	12	50	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/23/2018 8:47:00 AM	3-/4-Methylphenol	n/a	<	3	µg/L	EPA 8270C	3	10	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 6:43:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	17	µg/L	EPA 625	17	50	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/23/2018 8:47:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	10	WKL	EST-LCSRPD
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 6:43:00 AM	4-Bromophenyl phenyl ether	n/a	<	3.6	µg/L	EPA 625	3.6	10	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/23/2018 8:47:00 AM	4-Chloro-3-methylphenol	n/a	<	3.7	µg/L	EPA 8270C	3.7	10	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 6:43:00 AM	4-Chloro-3-methylphenol	n/a	<	2.3	µg/L	EPA 625	2.3	10	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 6:43:00 AM	4-Chlorophenyl phenyl ether	n/a	<	4.1	µg/L	EPA 625	4.1	10	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/23/2018 8:47:00 AM	4-Nitrophenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	EST-LCSRPD
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 6:43:00 AM	4-Nitrophenol	n/a	<	4.5	µg/L	EPA 625	4.5	50	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/27/2018 8:08:00 PM	Acenaphthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 6:43:00 AM	Acenaphthene	n/a	<	3.8	µg/L	EPA 625	3.8	10	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/27/2018 8:08:00 PM	Acenaphthylene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 6:43:00 AM	Acenaphthylene	n/a	<	4	µg/L	EPA 625	4	10	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 6:43:00 AM	Anthracene	n/a	<	3.4	µg/L	EPA 625	3.4	10	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/27/2018 8:08:00 PM	Anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/27/2018 8:08:00 PM	Benz(a)anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 6:43:00 AM	Benz(a)anthracene	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 6:43:00 AM	Benididine	n/a	<	37	µg/L	EPA 625	37	100	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 6:43:00 AM	Benzo(a)pyrene	n/a	<	1.3	µg/L	EPA 625	1.3	10	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/27/2018 8:08:00 PM	Benzo(a)pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 6:35:00 PM	Benzo(a)pyrene	n/a	<	0.35	µg/L	EPA 525.2	0.35	0.5	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/27/2018 8:08:00 PM	Benzo(b)fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 6:43:00 AM	Benzo(b)fluoranthene	n/a	<	1.4	µg/L	EPA 625	1.4	10	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 6:43:00 AM	Benzo(g,h,i)perylene	n/a	<	1	µg/L	EPA 625	1	20	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/27/2018 8:08:00 PM	Benzo(g,h,i)perylene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/27/2018 8:08:00 PM	Benzo(k)fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 6:43:00 AM	Benzo(k)fluoranthene	n/a	<	2.2	µg/L	EPA 625	2.2	10	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 6:43:00 AM	Bis(2-chloroethoxy)methane	n/a	<	2.5	µg/L	EPA 625	2.5	10	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 6:43:00 AM	Bis(2-chloroethyl)ether	n/a	<	2.7	µg/L	EPA 625	2.7	10	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 6:43:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	3.8	µg/L	EPA 625	3.8	10	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 6:35:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.52	µg/L	EPA 525.2	0.52	25	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 6:35:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	5.3	µg/L	EPA 525.2	5.3	15	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 6:43:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	23	µg/L	EPA 625	23	50	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 6:43:00 AM	Butyl benzyl phthalate	n/a	<	1.8	µg/L	EPA 625	1.8	10	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/27/2018 8:08:00 PM	Chrysene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 6:43:00 AM	Chrysene	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 6:43:00 AM	Dibenz(a,h)anthracene	n/a	<	0.8	µg/L	EPA 625	0.8	20	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/27/2018 8:08:00 PM	Dibenz(a,h)anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 6:43:00 AM	Diethyl phthalate	n/a	<	1.5	µg/L	EPA 625	1.5	10	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 6:43:00 AM	Dimethyl phthalate	n/a	<	1.8	µg/L	EPA 625	1.8	10	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 6:43:00 AM	Di-n-butylphthalate	n/a	<	2.4	µg/L	EPA 625	2.4	10	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 6:43:00 AM	Di-n-octylphthalate	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 6:43:00 AM	Fluoranthene	n/a	<	2.2	µg/L	EPA 625	2.2	10	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/27/2018 8:08:00 PM	Fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 6:43:00 AM	Fluorene	n/a	<	3.5	µg/L	EPA 625	3.5	10	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/27/2018 8:08:00 PM	Fluorene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 6:43:00 AM	Hexachlorobenzene	n/a	<	4.9	µg/L	EPA 625	4.9	10	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 6:43:00 AM	Hexachlorobutadiene	n/a	<	4.7	µg/L	EPA 625	4.7	10	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 6:43:00 AM	Hexachlorocyclopentadiene	n/a	<	15	µg/L	EPA 625	15	50	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 6:43:00 AM	Hexachloroethane	n/a	<	5.2	µg/L	EPA 625	5.2	10	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 6:43:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	1.2	µg/L	EPA 625	1.2	20	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/27/2018 8:08:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 6:43:00 AM	Isophorone	n/a	<	2.1	µg/L	EPA 625	2.1	10	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 6:43:00 AM	Naphthalene	n/a	<	4.9	µg/L	EPA 625	4.9	10	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/27/2018 8:08:00 PM	Naphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 6:43:00 AM	Nitrobenzene	n/a	<	3.6	µg/L	EPA 625	3.6	10	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 6:43:00 AM	N-Nitrosodimethylamine	n/a	<	1.4	µg/L	EPA 625	1.4	10	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 6:43:00 AM	N-Nitrosodi-N-propylamine	n/a	<	2.6	µg/L	EPA 625	2.6	10	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 6:43:00 AM	N-Nitrosodiphenylamine	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 6:43:00 AM	Phenanthrene	n/a	<	3.2	µg/L	EPA 625	3.2	10	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/27/2018 8:08:00 PM	Phenanthrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/23/2018 8:47:00 AM	Phenol	n/a	<	3.5	µg/L	EPA 8270C	3.5	10	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 6:43:00 AM	Phenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/27/2018 8:08:00 PM	Pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 6:43:00 AM	Pyrene	n/a	<	2.5	µg/L	EPA 625	2.5	10	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/24/2018 11:55:00 PM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/24/2018 11:55:00 PM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/24/2018 11:55:00 PM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/24/2018 11:55:00 PM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/24/2018 11:55:00 PM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/24/2018 11:55:00 PM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/24/2018 11:55:00 PM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/17/2018 8:04:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/17/2018 8:04:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/17/2018 8:04:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/17/2018 8:04:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/17/2018 8:04:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/24/2018 11:55:00 PM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/24/2018 11:55:00 PM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/24/2018 11:55:00 PM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/17/2018 8:04:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 6:35:00 PM	Alachlor	n/a	<	0.11	µg/L	EPA 525.2	0.11	0.5	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/24/2018 11:55:00 PM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/24/2018 11:55:00 PM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/24/2018 11:55:00 PM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 6:35:00 PM	Atrazine	n/a	<	0.17	µg/L	EPA 525.2	0.17	0.5	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/21/2018 8:22:00 PM	Azinphos methyl	n/a	<	0.028	µg/L	EPA 525.2m	0.028	0.05	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/17/2018 8:04:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/24/2018 11:55:00 PM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/21/2018 8:22:00 PM	Bolstar	n/a	<	0.023	µg/L	EPA 525.2m	0.023	0.05	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 6:35:00 PM	Bromacil	n/a	<	0.19	µg/L	EPA 525.2	0.19	5	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 6:35:00 PM	Butachlor	n/a	<	0.085	µg/L	EPA 525.2	0.085	1	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 6:35:00 PM	Captan	n/a	<	4.3	µg/L	EPA 525.2	4.3	5	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/24/2018 11:55:00 PM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 6:35:00 PM	Chlorpropham	n/a	<	0.05	µg/L	EPA 525.2	0.05	0.5	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/21/2018 8:22:00 PM	Chlorpyrifos	n/a	<	0.034	µg/L	EPA 525.2m	0.034	0.05	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/21/2018 8:22:00 PM	Coumaphos	n/a	<	0.026	µg/L	EPA 525.2m	0.026	0.05	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 6:35:00 PM	Cyanazine	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/17/2018 8:04:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/17/2018 8:04:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/24/2018 11:55:00 PM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/21/2018 8:22:00 PM	Demeton-O	n/a	<	0.05	µg/L	EPA 525.2m	0.05	0.05	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/21/2018 8:22:00 PM	Demeton-S	n/a	<	0.05	µg/L	EPA 525.2m	0.05	0.05	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 6:35:00 PM	Diazinon	n/a	<	0.48	µg/L	EPA 525.2	0.48	0.5	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/21/2018 8:22:00 PM	Diazinon	n/a	<	0.026	µg/L	EPA 525.2m	0.026	0.05	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/17/2018 8:04:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/17/2018 8:04:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/21/2018 8:22:00 PM	Dichlorvos	n/a	<	0.014	µg/L	EPA 525.2m	0.014	0.05	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/24/2018 11:55:00 PM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/21/2018 8:22:00 PM	Dimethoate	n/a	<	0.031	µg/L	EPA 525.2m	0.031	0.05	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 6:35:00 PM	Dimethoate	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/17/2018 8:04:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 6:35:00 PM	Diphenamid	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 6:35:00 PM	Disulfoton	n/a	<	0.16	µg/L	EPA 525.2	0.16	0.5	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/21/2018 8:22:00 PM	Disulfoton	n/a	<	0.05	µg/L	EPA 525.2m	0.05	0.05	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/24/2018 11:55:00 PM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/24/2018 11:55:00 PM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/24/2018 11:55:00 PM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/24/2018 11:55:00 PM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/24/2018 11:55:00 PM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 6:35:00 PM	EPTC	n/a	<	0.085	µg/L	EPA 525.2	0.085	5	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/21/2018 8:22:00 PM	Ethoprop	n/a	<	0.034	µg/L	EPA 525.2m	0.034	0.05	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/21/2018 8:22:00 PM	Ethyl parathion	n/a	<	0.027	µg/L	EPA 525.2m	0.027	0.05	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/21/2018 8:22:00 PM	Fensulfothion	n/a	<	0.014	µg/L	EPA 525.2m	0.014	0.05	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/21/2018 8:22:00 PM	Fenthion	n/a	<	0.019	µg/L	EPA 525.2m	0.019	0.05	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/24/2018 11:55:00 PM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/24/2018 11:55:00 PM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 11:58:00 PM	Glyphosate	n/a	=	18	µg/L	EPA 547	1.8	5	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/24/2018 11:55:00 PM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/24/2018 11:55:00 PM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/21/2018 8:22:00 PM	Malathion	n/a	<	0.038	µg/L	EPA 525.2m	0.038	0.05	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/21/2018 8:22:00 PM	Merphos	n/a	<	0.029	µg/L	EPA 525.2m	0.029	0.05	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/24/2018 11:55:00 PM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/21/2018 8:22:00 PM	Methyl parathion	n/a	<	0.032	µg/L	EPA 525.2m	0.032	0.05	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 6:35:00 PM	Metolachlor	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.5	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 6:35:00 PM	Metribuzin	n/a	<	0.075	µg/L	EPA 525.2	0.075	0.5	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/21/2018 8:22:00 PM	Mevinphos	n/a	<	0.021	µg/L	EPA 525.2m	0.021	0.05	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 6:35:00 PM	Molinate	n/a	<	0.2	µg/L	EPA 525.2	0.2	0.5	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/21/2018 8:22:00 PM	Naled	n/a	<	0.038	µg/L	EPA 525.2m	0.038	0.05	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 6:43:00 AM	Pentachlorophenol	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/17/2018 8:04:00 AM	Pentachlorophenol	n/a	DNQ	0.07	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/23/2018 8:47:00 AM	Pentachlorophenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	10	WKL	EST-LCSRPD
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/21/2018 8:22:00 PM	Phorate	n/a	<	0.015	µg/L	EPA 525.2m	0.015	0.05	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/17/2018 8:04:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 6:35:00 PM	Prometon	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	EST-LCSRPD

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 6:35:00 PM	Prometryn	n/a	<	0.18	µg/L	EPA 525.2	0.18	0.5	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/21/2018 8:22:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.02	µg/L	EPA 525.2m	0.02	0.05	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 6:35:00 PM	Simazine	n/a	<	0.075	µg/L	EPA 525.2	0.075	0.5	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/21/2018 8:22:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.016	µg/L	EPA 525.2m	0.016	0.05	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 6:35:00 PM	Terbacil	n/a	<	2.8	µg/L	EPA 525.2	2.8	10	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 6:35:00 PM	Thiobencarb	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/21/2018 8:22:00 PM	Tokuthion	n/a	<	0.039	µg/L	EPA 525.2m	0.039	0.05	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/24/2018 11:55:00 PM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/21/2018 8:22:00 PM	Trichloronate	n/a	<	0.034	µg/L	EPA 525.2m	0.034	0.05	WKL	
MO-OXN	2017/18-3	Wet	3/10/2018 6:15:00 PM	3/22/2018 6:35:00 PM	Trithion	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.5	WKL	
MO-SIM	2017/18-1	Wet	1/8/2018 7:10:00 PM	1/9/2018 4:30:00 PM	E. Coli	n/a	=	64880	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-SIM	2017/18-1	Wet	1/8/2018 7:10:00 PM	1/11/2018 2:15:00 PM	Fecal Coliform	n/a	=	110000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-SIM	2017/18-1	Wet	1/8/2018 7:10:00 PM	1/9/2018 4:30:00 PM	Total Coliform	n/a	=	387300	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-SIM	2017/18-1	Wet	1/8/2018 7:10:00 PM	1/8/2018 7:10:00 PM	Conductivity	n/a	=	634	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SIM	2017/18-1	Wet	1/8/2018 7:10:00 PM	1/16/2018 6:51:00 PM	Cyanide	Total	DNQ	0.0018	mg/L	ASTM D7511	0.0005	0.002	Field Crew	
MO-SIM	2017/18-1	Wet	1/8/2018 7:10:00 PM	1/8/2018 7:10:00 PM	DO	n/a	=	85.2	%	Field Meter	-88	0.1	Field Crew	
MO-SIM	2017/18-1	Wet	1/8/2018 7:10:00 PM	1/8/2018 7:10:00 PM	DO	n/a	=	8.5	mg/L	Field Meter	-88	0.3	Field Crew	
MO-SIM	2017/18-1	Wet	1/8/2018 7:10:00 PM	1/8/2018 7:10:00 PM	pH	n/a	=	7.67	pH Units	Field Meter	-88	0.01	Field Crew	
MO-SIM	2017/18-1	Wet	1/8/2018 7:10:00 PM	1/8/2018 7:10:00 PM	Salinity	n/a	=	400	mg/L	Field Meter	-88	100	Field Crew	
MO-SIM	2017/18-1	Wet	1/8/2018 7:10:00 PM	1/8/2018 7:10:00 PM	Specific Conductance	n/a	=	778	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SIM	2017/18-1	Wet	1/8/2018 7:10:00 PM	1/8/2018 7:10:00 PM	Temperature	n/a	=	15	°C	Field Meter	-88	0.1	Field Crew	
MO-SIM	2017/18-1	Wet	1/8/2018 7:10:00 PM	1/18/2018 9:01:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
MO-SIM	2017/18-1	Wet	1/8/2018 7:10:00 PM	1/19/2018 5:44:00 PM	Oil and Grease	n/a	DNQ	1.7	mg/L	EPA 1664A	1.3	5	WKL	
MO-SIM	2017/18-1	Wet	1/8/2018 7:10:00 PM	1/12/2018 5:10:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-SIM	2017/18-1	Wet	1/8/2018 7:10:00 PM	1/12/2018 5:10:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/15/2018 1:00:00 PM	Chloride	n/a	=	44	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/15/2018 1:00:00 PM	Fluoride	n/a	=	0.21	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/20/2018 12:07:00 PM	Perchlorate	n/a	<	4.8	µg/L	EPA 314.0	4.8	10	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/15/2018 1:00:00 PM	Sulfate	Total	=	150	mg/L	EPA 300.0	2	10	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/16/2018 8:25:00 PM	Calcium	Total	=	57.7	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/16/2018 8:25:00 PM	Magnesium	Total	=	21.3	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/17/2018 1:51:00 PM	Potassium	Total	=	7.8	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/16/2018 8:25:00 PM	Sodium	Total	=	48	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/15/2018 1:41:00 PM	Alkalinity as CaCO3	n/a	=	81	mg/L	SM 2320 B	0.56	2	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/15/2018 9:30:00 PM	BOD	n/a	=	150	mg/L	SM 5210 B	2	2	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/17/2018 2:50:00 PM	COD	n/a	=	94	mg/L	EPA 410.4	0.73	5	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/22/2018 4:21:00 PM	Dissolved Inorganic Carbon	Dissolved	=	17	mg/L	SM 5310 B	0.5	0.5	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/15/2018 12:47:00 PM	Dissolved Organic Carbon	Dissolved	=	21	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/16/2018 8:25:00 PM	Hardness as CaCO3	Total	=	232	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/10/2018 11:03:00 PM	MBAS	n/a	=	0.15	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/19/2018 10:16:00 AM	Phenolics	n/a	=	0.028	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/15/2018 5:11:00 PM	Specific Conductance	n/a	=	710	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/15/2018 7:29:00 PM	Total Dissolved Solids	n/a	=	440	mg/L	SM 2540 C	4	10	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/11/2018 10:27:00 AM	Total Organic Carbon	n/a	=	22	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/12/2018 1:05:00 PM	Total Suspended Solids	n/a	=	740	mg/L	SM 2540 D	-88	5	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/10/2018 4:17:00 PM	Turbidity	n/a	=	49	NTU	EPA 180.1	0.24	1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/12/2018 1:05:00 PM	Volatile Suspended Solids	n/a	=	140	mg/L	EPA 160.4	3.1	5	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/23/2018 11:32:00 PM	Diesel Range Organics	n/a	=	0.98	mg/L	EPA 8015D	0.024	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/23/2018 11:32:00 PM	Oil Range Organics	n/a	=	0.87	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/24/2018 10:33:00 PM	Aluminum	Dissolved	=	17	µg/L	EPA 200.8	1.3	5	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/24/2018 10:40:00 PM	Aluminum	Total	=	3300	µg/L	EPA 200.8	1.3	5	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/24/2018 10:33:00 PM	Antimony	Dissolved	=	0.79	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/24/2018 10:40:00 PM	Antimony	Total	=	1.4	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/24/2018 10:33:00 PM	Arsenic	Dissolved	=	1.8	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/24/2018 10:40:00 PM	Arsenic	Total	=	3.5	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/24/2018 10:40:00 PM	Barium	Total	=	50	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/24/2018 10:33:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/24/2018 10:40:00 PM	Beryllium	Total	=	0.1	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/24/2018 10:33:00 PM	Cadmium	Dissolved	=	0.12	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/24/2018 10:40:00 PM	Cadmium	Total	=	0.49	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/24/2018 10:33:00 PM	Chromium	Dissolved	=	0.68	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/24/2018 10:40:00 PM	Chromium	Total	=	8.4	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/12/2018 8:37:00 PM	Chromium VI	n/a	=	0.67	µg/L	EPA 218.6	0.024	0.1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/24/2018 10:33:00 PM	Copper	Dissolved	=	6	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/24/2018 10:40:00 PM	Copper	Total	=	25	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/16/2018 7:53:00 PM	Iron	Dissolved	=	76	µg/L	EPA 200.7	1.1	10	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/16/2018 8:25:00 PM	Iron	Total	=	5100	µg/L	EPA 200.7	1.1	10	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/24/2018 10:33:00 PM	Lead	Dissolved	DNQ	0.14	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/24/2018 10:40:00 PM	Lead	Total	=	5.2	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/18/2018 3:16:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/18/2018 3:18:00 PM	Mercury	Total	DNQ	32	ng/L	EPA 245.1	17	50	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/24/2018 10:33:00 PM	Nickel	Dissolved	=	4.4	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/24/2018 10:40:00 PM	Nickel	Total	=	11	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/24/2018 10:33:00 PM	Selenium	Dissolved	=	2.8	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/24/2018 10:40:00 PM	Selenium	Total	=	3.1	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/24/2018 10:33:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/24/2018 10:40:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/24/2018 10:33:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/24/2018 10:40:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/24/2018 10:33:00 PM	Zinc	Dissolved	=	18	µg/L	EPA 200.8	0.94	5	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/24/2018 10:40:00 PM	Zinc	Total	=	86	µg/L	EPA 200.8	0.94	5	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/19/2018 4:44:00 PM	Ammonia as N	n/a	=	0.83	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/15/2018 12:18:00 PM	Nitrate + Nitrite as N	n/a	=	1.4	mg/L	EPA 353.2	0.083	0.2	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/15/2018 6:59:00 PM	Phosphorus as P	Dissolved	=	0.2	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/16/2018 11:57:00 AM	Phosphorus as P	Total	=	1.7	mg/L	EPA 365.1	0.014	0.1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/26/2018 5:19:00 PM	TKN	n/a	=	3.3	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/15/2018 8:27:00 PM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/15/2018 8:27:00 PM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/15/2018 8:27:00 PM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/15/2018 8:27:00 PM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/15/2018 8:27:00 PM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	2/1/2018 10:15:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/29/2018 4:42:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/15/2018 8:27:00 PM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/29/2018 4:42:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/15/2018 8:27:00 PM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/29/2018 4:42:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	EST-LCSRPD
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/15/2018 8:27:00 PM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/29/2018 4:42:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	EST-LCSRPD
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/15/2018 8:27:00 PM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	EST-LCSRPD
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/29/2018 4:42:00 PM	2,4-Dinitrophenol	n/a	DNQ	1.5	µg/L	EPA 8270C	1	2	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/15/2018 8:27:00 PM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/15/2018 8:27:00 PM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/15/2018 8:27:00 PM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/29/2018 4:42:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/15/2018 8:27:00 PM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	2/1/2018 10:15:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/29/2018 4:42:00 PM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/15/2018 8:27:00 PM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/29/2018 4:42:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	EST-LCSRPD
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/15/2018 8:27:00 PM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	EST-LCSRPD
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/29/2018 4:42:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/15/2018 8:27:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	EST-LCSRPD
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/29/2018 4:42:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/15/2018 8:27:00 PM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	EST-LCSRPD
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/15/2018 8:27:00 PM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/29/2018 4:42:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/15/2018 8:27:00 PM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/15/2018 8:27:00 PM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/29/2018 4:42:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/15/2018 8:27:00 PM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	2/1/2018 10:15:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/15/2018 8:27:00 PM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	2/1/2018 10:15:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	2/1/2018 10:15:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/15/2018 8:27:00 PM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/15/2018 8:27:00 PM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	EST-LCSRPD
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	2/1/2018 10:15:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/15/2018 8:27:00 PM	Benzo(a)pyrene	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/23/2018 10:06:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/15/2018 8:27:00 PM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	2/1/2018 10:15:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/15/2018 8:27:00 PM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	2/1/2018 10:15:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/15/2018 8:27:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	2/1/2018 10:15:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/15/2018 8:27:00 PM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	2/1/2018 10:15:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/15/2018 8:27:00 PM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	EST-LCSRPD
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/15/2018 8:27:00 PM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/15/2018 8:27:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/23/2018 10:06:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/23/2018 10:06:00 PM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	1.3	µg/L	EPA 525.2	1.1	3	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/15/2018 8:27:00 PM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	2.9	µg/L	EPA 625	2.3	5	WKL	EST-LCSRPD

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/15/2018 8:27:00 PM	Butyl benzyl phthalate	n/a	DNQ	0.5	µg/L	EPA 625	0.18	1	WKL	EST-LCSRPD
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/15/2018 8:27:00 PM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	2/1/2018 10:15:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/15/2018 8:27:00 PM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	2/1/2018 10:15:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/15/2018 8:27:00 PM	Diethyl phthalate	n/a	DNQ	0.53	µg/L	EPA 625	0.15	1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/15/2018 8:27:00 PM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/15/2018 8:27:00 PM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/15/2018 8:27:00 PM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/15/2018 8:27:00 PM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	EST-LCSRPD
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	2/1/2018 10:15:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/15/2018 8:27:00 PM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	2/1/2018 10:15:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/15/2018 8:27:00 PM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	EST-LCSRPD
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/15/2018 8:27:00 PM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/15/2018 8:27:00 PM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/15/2018 8:27:00 PM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/15/2018 8:27:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	2/1/2018 10:15:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/15/2018 8:27:00 PM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/15/2018 8:27:00 PM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	2/1/2018 10:15:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/15/2018 8:27:00 PM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/15/2018 8:27:00 PM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/15/2018 8:27:00 PM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/15/2018 8:27:00 PM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	2/1/2018 10:15:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/15/2018 8:27:00 PM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/15/2018 8:27:00 PM	Phenol	n/a	DNQ	0.22	µg/L	EPA 625	0.16	1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/29/2018 4:42:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/15/2018 8:27:00 PM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	EST-LCSRPD
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	2/1/2018 10:15:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/23/2018 6:26:00 AM	PCB Aroclor 1016	n/a	<	0.5	µg/L	EPA 608	0.5	5	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/23/2018 6:26:00 AM	PCB Aroclor 1221	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/23/2018 6:26:00 AM	PCB Aroclor 1232	n/a	<	1.5	µg/L	EPA 608	1.5	5	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/23/2018 6:26:00 AM	PCB Aroclor 1242	n/a	<	0.7	µg/L	EPA 608	0.7	5	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/23/2018 6:26:00 AM	PCB Aroclor 1248	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/23/2018 6:26:00 AM	PCB Aroclor 1254	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/23/2018 6:26:00 AM	PCB Aroclor 1260	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/13/2018 12:42:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/13/2018 12:42:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/13/2018 12:42:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/13/2018 12:42:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/13/2018 12:42:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/23/2018 6:26:00 AM	4,4'-DDD	n/a	<	0.03	µg/L	EPA 608	0.03	0.5	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/23/2018 6:26:00 AM	4,4'-DDE	n/a	<	0.025	µg/L	EPA 608	0.025	0.5	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/23/2018 6:26:00 AM	4,4'-DDT	n/a	<	0.031	µg/L	EPA 608	0.031	0.1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/13/2018 12:42:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/23/2018 10:06:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/23/2018 6:26:00 AM	Aldrin	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/23/2018 6:26:00 AM	alpha-BHC	n/a	<	0.018	µg/L	EPA 608	0.018	0.1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/23/2018 6:26:00 AM	alpha-Chlordane	n/a	<	0.041	µg/L	EPA 608	0.041	0.1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/23/2018 10:06:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	2/2/2018 11:06:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/13/2018 12:42:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/23/2018 6:26:00 AM	beta-BHC	n/a	<	0.031	µg/L	EPA 608	0.031	0.05	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	2/2/2018 11:06:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/23/2018 10:06:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/23/2018 10:06:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/23/2018 10:06:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/23/2018 6:26:00 AM	Chlordane (technical)	n/a	<	0.8	µg/L	EPA 608	0.8	1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/23/2018 10:06:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	2/2/2018 11:06:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	2/2/2018 11:06:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/23/2018 10:06:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/13/2018 12:42:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/13/2018 12:42:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/23/2018 6:26:00 AM	delta-BHC	n/a	<	0.025	µg/L	EPA 608	0.025	0.05	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	2/2/2018 11:06:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	2/2/2018 11:06:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/23/2018 10:06:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	2/2/2018 11:06:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/13/2018 12:42:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/13/2018 12:42:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	2/2/2018 11:06:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/23/2018 6:26:00 AM	Dieldrin	n/a	<	0.021	µg/L	EPA 608	0.021	0.1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/23/2018 10:06:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	2/6/2018 7:16:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/13/2018 12:42:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/23/2018 10:06:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	2/2/2018 11:06:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/23/2018 10:06:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/23/2018 6:26:00 AM	Endosulfan I	n/a	<	0.017	µg/L	EPA 608	0.017	0.2	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/23/2018 6:26:00 AM	Endosulfan II	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/23/2018 6:26:00 AM	Endosulfan sulfate	n/a	<	0.08	µg/L	EPA 608	0.08	0.5	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/23/2018 12:40:00 PM	Endrin	n/a	<	0.028	µg/L	EPA 608	0.028	0.1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/23/2018 6:26:00 AM	Endrin aldehyde	n/a	<	0.03	µg/L	EPA 608	0.03	0.1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/23/2018 10:06:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	2/2/2018 11:06:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	2/2/2018 11:06:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	2/2/2018 11:06:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	2/2/2018 11:06:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/23/2018 6:26:00 AM	gamma-BHC (Lindane)	n/a	<	0.021	µg/L	EPA 608	0.021	0.2	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/23/2018 6:26:00 AM	gamma-Chlordane	n/a	<	0.044	µg/L	EPA 608	0.044	0.1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/10/2018 8:10:00 PM	Glyphosate	n/a	=	12	µg/L	EPA 547	3.6	10	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/23/2018 6:26:00 AM	Heptachlor	n/a	<	0.017	µg/L	EPA 608	0.017	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/23/2018 6:26:00 AM	Heptachlor epoxide	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	2/2/2018 11:06:00 PM	Malathion	n/a	=	0.034	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	2/2/2018 11:06:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/23/2018 6:26:00 AM	Methoxychlor	n/a	<	0.054	µg/L	EPA 608	0.054	0.2	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	2/2/2018 11:06:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/23/2018 10:06:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/23/2018 10:06:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	2/2/2018 11:06:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/23/2018 10:06:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	2/2/2018 11:06:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/13/2018 12:42:00 AM	Pentachlorophenol	n/a	=	0.2	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/29/2018 4:42:00 PM	Pentachlorophenol	n/a	DNQ	0.65	µg/L	EPA 8270C	0.15	1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/15/2018 8:27:00 PM	Pentachlorophenol	n/a	DNQ	0.71	µg/L	EPA 625	0.19	1	WKL	EST-LCSRPD
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	2/2/2018 11:06:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/13/2018 12:42:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/23/2018 10:06:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	EST-LCSRPD
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/23/2018 10:06:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	2/2/2018 11:06:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/23/2018 10:06:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	2/2/2018 11:06:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/23/2018 10:06:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/23/2018 10:06:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	2/2/2018 11:06:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/23/2018 6:26:00 AM	Toxaphene	n/a	<	1.2	µg/L	EPA 608	1.2	5	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	2/2/2018 11:06:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-SIM	2017/18-1	Wet	1/9/2018 12:40:00 PM	1/23/2018 10:06:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-SIM	2017/18-2	Wet	3/2/2018 5:35:00 AM	3/3/2018 11:00:00 AM	E. Coli	n/a	=	30760	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-SIM	2017/18-2	Wet	3/2/2018 5:35:00 AM	3/5/2018 12:00:00 PM	Fecal Coliform	n/a	=	70000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-SIM	2017/18-2	Wet	3/2/2018 5:35:00 AM	3/3/2018 11:00:00 AM	Total Coliform	n/a	=	46110	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-SIM	2017/18-2	Wet	3/2/2018 5:35:00 AM	3/2/2018 5:35:00 AM	Conductivity	n/a	=	859	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SIM	2017/18-2	Wet	3/2/2018 5:35:00 AM	3/9/2018 4:06:00 PM	Cyanide	Total	=	0.0021	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-SIM	2017/18-2	Wet	3/2/2018 5:35:00 AM	3/2/2018 5:35:00 AM	DO	n/a	=	8.94	mg/L	Field Meter	-88	0.3	Field Crew	
MO-SIM	2017/18-2	Wet	3/2/2018 5:35:00 AM	3/2/2018 5:35:00 AM	DO	n/a	=	87.9	%	Field Meter	-88	0.1	Field Crew	
MO-SIM	2017/18-2	Wet	3/2/2018 5:35:00 AM	3/2/2018 5:35:00 AM	pH	n/a	=	7.5	pH Units	Field Meter	-88	0.01	Field Crew	
MO-SIM	2017/18-2	Wet	3/2/2018 5:35:00 AM	3/2/2018 5:35:00 AM	Salinity	n/a	=	500	mg/L	Field Meter	-88	100	Field Crew	
MO-SIM	2017/18-2	Wet	3/2/2018 5:35:00 AM	3/2/2018 5:35:00 AM	Specific Conductance	n/a	=	1065	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SIM	2017/18-2	Wet	3/2/2018 5:35:00 AM	3/2/2018 5:35:00 AM	Temperature	n/a	=	14.1	°C	Field Meter	-88	0.1	Field Crew	
MO-SIM	2017/18-2	Wet	3/6/2018 5:35:00 AM	3/6/2018 1:33:00 AM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
MO-SIM	2017/18-2	Wet	3/2/2018 5:35:00 AM	3/13/2018 5:21:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-SIM	2017/18-2	Wet	3/2/2018 5:35:00 AM	3/6/2018 12:28:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-SIM	2017/18-2	Wet	3/2/2018 5:35:00 AM	3/6/2018 12:28:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/15/2018 7:00:00 PM	Chloride	n/a	=	21	mg/L	EPA 300.0	0.2	1	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/15/2018 7:00:00 PM	Fluoride	n/a	DNQ	0.17	mg/L	EPA 300.0	0.04	0.2	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/5/2018 6:07:00 PM	Perchlorate	n/a	<	2.8	µg/L	EPA 314.0	2.8	6	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/15/2018 7:00:00 PM	Sulfate	Total	=	110	mg/L	EPA 300.0	0.2	1	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/19/2018 3:50:00 PM	Calcium	Total	=	68.2	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/19/2018 3:50:00 PM	Magnesium	Total	=	12.6	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/19/2018 3:50:00 PM	Potassium	Total	=	3.7	mg/L	EPA 200.7	0.081	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/19/2018 3:50:00 PM	Sodium	Total	=	24	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/5/2018 3:47:00 PM	Alkalinity as CaCO3	n/a	=	68	mg/L	SM 2320 B	0.56	2	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/9/2018 12:10:00 PM	BOD	n/a	=	15	mg/L	SM 5210 B	2	2	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/13/2018 9:29:00 AM	COD	n/a	=	100	mg/L	EPA 410.4	0.73	5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/13/2018 12:33:00 PM	Dissolved Inorganic Carbon	Dissolved	=	13	mg/L	SM 5310 B	0.5	0.5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/9/2018 8:50:00 AM	Dissolved Organic Carbon	Dissolved	=	11	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/19/2018 3:50:00 PM	Hardness as CaCO3	Total	=	222	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/4/2018 7:25:00 PM	MBAS	n/a	=	0.35	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/26/2018 4:01:00 PM	Phenolics	n/a	=	0.011	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/7/2018 4:04:00 PM	Specific Conductance	n/a	=	470	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/8/2018 5:49:00 PM	Total Dissolved Solids	n/a	=	320	mg/L	SM 2540 C	4	10	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/12/2018 10:51:00 AM	Total Organic Carbon	n/a	=	14	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/8/2018 5:55:00 PM	Total Suspended Solids	n/a	=	410	mg/L	SM 2540 D	-88	5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/4/2018 11:49:00 AM	Turbidity	n/a	=	25	NTU	EPA 180.1	0.024	0.1	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/8/2018 5:55:00 PM	Volatile Suspended Solids	n/a	=	74	mg/L	EPA 160.4	3.1	5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/15/2018 10:45:00 PM	Diesel Range Organics	n/a	=	1.4	mg/L	EPA 8015D	0.024	0.1	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/15/2018 10:45:00 PM	Oil Range Organics	n/a	=	1.6	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/19/2018 2:56:00 PM	Aluminum	Dissolved	=	10	µg/L	EPA 200.8	1.3	5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/19/2018 3:00:00 PM	Aluminum	Total	=	3400	µg/L	EPA 200.8	1.3	5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/20/2018 1:11:00 PM	Antimony	Dissolved	=	1	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/20/2018 1:13:00 PM	Antimony	Total	=	2.3	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/19/2018 2:56:00 PM	Arsenic	Dissolved	=	1.2	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/19/2018 3:00:00 PM	Arsenic	Total	=	4.7	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/19/2018 3:00:00 PM	Barium	Total	=	81	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/20/2018 1:11:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/20/2018 1:13:00 PM	Beryllium	Total	=	0.13	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/19/2018 2:56:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/19/2018 3:00:00 PM	Cadmium	Total	=	1	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/19/2018 2:56:00 PM	Chromium	Dissolved	=	0.62	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/19/2018 3:00:00 PM	Chromium	Total	=	10	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/11/2018 2:36:00 PM	Chromium VI	n/a	=	0.69	µg/L	EPA 218.6	0.024	0.1	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/19/2018 2:56:00 PM	Copper	Dissolved	=	4.9	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/19/2018 3:00:00 PM	Copper	Total	=	35	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/19/2018 3:06:00 PM	Iron	Dissolved	=	19	µg/L	EPA 200.7	1.1	10	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/19/2018 3:50:00 PM	Iron	Total	=	6500	µg/L	EPA 200.7	1.1	10	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/19/2018 2:56:00 PM	Lead	Dissolved	DNQ	0.05	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/19/2018 3:00:00 PM	Lead	Total	=	11	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/15/2018 12:29:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/15/2018 12:31:00 PM	Mercury	Total	DNQ	18	ng/L	EPA 245.1	17	50	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/19/2018 2:56:00 PM	Nickel	Dissolved	=	1.9	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/19/2018 3:00:00 PM	Nickel	Total	=	12	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/19/2018 2:56:00 PM	Selenium	Dissolved	=	2.8	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/19/2018 3:00:00 PM	Selenium	Total	=	3.3	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/19/2018 2:56:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/19/2018 3:00:00 PM	Silver	Total	DNQ	0.1	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/19/2018 2:56:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/19/2018 3:00:00 PM	Thallium	Total	DNQ	0.055	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/19/2018 2:56:00 PM	Zinc	Dissolved	=	5.7	µg/L	EPA 200.8	0.94	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/19/2018 3:00:00 PM	Zinc	Total	=	150	µg/L	EPA 200.8	0.94	5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/14/2018 6:29:00 PM	Ammonia as N	n/a	=	0.49	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/6/2018 3:11:00 PM	Nitrate + Nitrite as N	n/a	=	1.1	mg/L	EPA 353.2	0.083	0.2	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/19/2018 12:39:00 PM	Phosphorus as P	Dissolved	=	0.051	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/16/2018 12:03:00 PM	Phosphorus as P	Total	=	0.86	mg/L	EPA 365.1	0.014	0.1	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/19/2018 3:16:00 PM	TKN	n/a	=	3.7	mg/L	EPA 351.2	0.1	0.2	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/15/2018 4:02:00 AM	1,2,4-Trichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/15/2018 4:02:00 AM	1,2-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/15/2018 4:02:00 AM	1,2-Diphenylhydrazine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/15/2018 4:02:00 AM	1,3-Dichlorobenzene	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/15/2018 4:02:00 AM	1,4-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/20/2018 7:43:00 AM	1-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/26/2018 4:49:00 PM	2,4,5-Trichlorophenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/15/2018 4:02:00 AM	2,4,6-Trichlorophenol	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/26/2018 4:49:00 PM	2,4,6-Trichlorophenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/15/2018 4:02:00 AM	2,4-Dichlorophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/26/2018 4:49:00 PM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 8270C	2.6	5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/15/2018 4:02:00 AM	2,4-Dimethylphenol	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	EST-LCSRDP
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/26/2018 4:49:00 PM	2,4-Dimethylphenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	LCSRDP, LB-L
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/15/2018 4:02:00 AM	2,4-Dinitrophenol	n/a	<	7.9	µg/L	EPA 625	7.9	50	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/26/2018 4:49:00 PM	2,4-Dinitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/15/2018 4:02:00 AM	2,4-Dinitrotoluene	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/15/2018 4:02:00 AM	2,6-Dinitrotoluene	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/15/2018 4:02:00 AM	2-Chloronaphthalene	n/a	<	2.2	µg/L	EPA 625	2.2	5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/15/2018 4:02:00 AM	2-Chlorophenol	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/26/2018 4:49:00 PM	2-Chlorophenol	n/a	<	3.2	µg/L	EPA 8270C	3.2	5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/20/2018 7:43:00 AM	2-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/26/2018 4:49:00 PM	2-Methylphenol	n/a	<	1.7	µg/L	EPA 8270C	1.7	5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/15/2018 4:02:00 AM	2-Nitrophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/26/2018 4:49:00 PM	2-Nitrophenol	n/a	<	3.6	µg/L	EPA 8270C	3.6	5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/15/2018 4:02:00 AM	3,3'-Dichlorobenzidine	n/a	<	6	µg/L	EPA 625	6	25	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/26/2018 4:49:00 PM	3-/4-Methylphenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/15/2018 4:02:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	8.6	µg/L	EPA 625	8.6	25	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/26/2018 4:49:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.7	µg/L	EPA 8270C	0.7	5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/15/2018 4:02:00 AM	4-Bromophenyl phenyl ether	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/26/2018 4:49:00 PM	4-Chloro-3-methylphenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/15/2018 4:02:00 AM	4-Chloro-3-methylphenol	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/15/2018 4:02:00 AM	4-Chlorophenyl phenyl ether	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/15/2018 4:02:00 AM	4-Nitrophenol	n/a	<	2.2	µg/L	EPA 625	2.2	25	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/26/2018 4:49:00 PM	4-Nitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/15/2018 4:02:00 AM	Acenaphthene	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/20/2018 7:43:00 AM	Acenaphthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/15/2018 4:02:00 AM	Acenaphthylene	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/20/2018 7:43:00 AM	Acenaphthylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/15/2018 4:02:00 AM	Anthracene	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/20/2018 7:43:00 AM	Anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/20/2018 7:43:00 AM	Benz(a)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/15/2018 4:02:00 AM	Benz(a)anthracene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/15/2018 4:02:00 AM	Benidine	n/a	<	18	µg/L	EPA 625	18	50	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/15/2018 4:02:00 AM	Benzo(a)pyrene	n/a	<	0.65	µg/L	EPA 625	0.65	5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/20/2018 7:43:00 AM	Benzo(a)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/20/2018 2:25:00 AM	Benzo(a)pyrene	n/a	<	0.35	µg/L	EPA 525.2	0.35	0.5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/15/2018 4:02:00 AM	Benzo(b)fluoranthene	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/20/2018 7:43:00 AM	Benzo(b)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/15/2018 4:02:00 AM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 625	0.5	10	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/20/2018 7:43:00 AM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/15/2018 4:02:00 AM	Benzo(k)fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/20/2018 7:43:00 AM	Benzo(k)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/15/2018 4:02:00 AM	Bis(2-chloroethoxy)methane	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/15/2018 4:02:00 AM	Bis(2-chloroethyl)ether	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/15/2018 4:02:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/20/2018 2:25:00 AM	Bis(2-ethylhexyl)adipate	n/a	<	0.52	µg/L	EPA 525.2	0.52	25	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/20/2018 2:25:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	5.3	µg/L	EPA 525.2	5.3	15	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/15/2018 4:02:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	12	µg/L	EPA 625	12	25	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/15/2018 4:02:00 AM	Butyl benzyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/20/2018 7:43:00 AM	Chrysene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/15/2018 4:02:00 AM	Chrysene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/20/2018 7:43:00 AM	Dibenz(a,h)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/15/2018 4:02:00 AM	Dibenz(a,h)anthracene	n/a	<	0.4	µg/L	EPA 625	0.4	10	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/15/2018 4:02:00 AM	Diethyl phthalate	n/a	DNQ	0.76	µg/L	EPA 625	0.75	5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/15/2018 4:02:00 AM	Dimethyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/15/2018 4:02:00 AM	Di-n-butylphthalate	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/15/2018 4:02:00 AM	Di-n-octylphthalate	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/15/2018 4:02:00 AM	Fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/20/2018 7:43:00 AM	Fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/20/2018 7:43:00 AM	Fluorene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/15/2018 4:02:00 AM	Fluorene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/15/2018 4:02:00 AM	Hexachlorobenzene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/15/2018 4:02:00 AM	Hexachlorobutadiene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/15/2018 4:02:00 AM	Hexachlorocyclopentadiene	n/a	<	7.3	µg/L	EPA 625	7.3	25	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/15/2018 4:02:00 AM	Hexachloroethane	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/20/2018 7:43:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/15/2018 4:02:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.6	µg/L	EPA 625	0.6	10	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/15/2018 4:02:00 AM	Isophorone	n/a	<	1	µg/L	EPA 625	1	5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/15/2018 4:02:00 AM	Naphthalene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/20/2018 7:43:00 AM	Naphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/15/2018 4:02:00 AM	Nitrobenzene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/15/2018 4:02:00 AM	N-Nitrosodimethylamine	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/15/2018 4:02:00 AM	N-Nitrosodi-N-propylamine	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/15/2018 4:02:00 AM	N-Nitrosodiphenylamine	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/15/2018 4:02:00 AM	Phenanthrene	n/a	<	1.6	µg/L	EPA 625	1.6	5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/20/2018 7:43:00 AM	Phenanthrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/15/2018 4:02:00 AM	Phenol	n/a	<	0.8	µg/L	EPA 625	0.8	5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/26/2018 4:49:00 PM	Phenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/15/2018 4:02:00 AM	Pyrene	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/20/2018 7:43:00 AM	Pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/20/2018 6:53:00 AM	PCB Aroclor 1016	n/a	<	0.5	µg/L	EPA 608	0.5	5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/20/2018 6:53:00 AM	PCB Aroclor 1221	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/20/2018 6:53:00 AM	PCB Aroclor 1232	n/a	<	1.5	µg/L	EPA 608	1.5	5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/20/2018 6:53:00 AM	PCB Aroclor 1242	n/a	<	0.7	µg/L	EPA 608	0.7	5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/20/2018 6:53:00 AM	PCB Aroclor 1248	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/20/2018 6:53:00 AM	PCB Aroclor 1254	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/20/2018 6:53:00 AM	PCB Aroclor 1260	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/13/2018 4:18:00 PM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/13/2018 4:18:00 PM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/13/2018 4:18:00 PM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/13/2018 4:18:00 PM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/13/2018 4:18:00 PM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/20/2018 6:53:00 AM		n/a	<	0.03	µg/L	EPA 608	0.03	0.5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/20/2018 6:53:00 AM	4,4'-DDD	n/a	<	0.025	µg/L	EPA 608	0.025	0.5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/20/2018 6:53:00 AM	4,4'-DDE	n/a	<	0.031	µg/L	EPA 608	0.031	0.1	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/20/2018 6:53:00 AM	4,4'-DDT	n/a	<	0.031	µg/L	EPA 608	0.031	0.1	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/13/2018 4:18:00 PM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/20/2018 2:25:00 AM	Alachlor	n/a	<	0.11	µg/L	EPA 525.2	0.11	0.5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/20/2018 6:53:00 AM	Aldrin	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/20/2018 6:53:00 AM	alpha-BHC	n/a	<	0.018	µg/L	EPA 608	0.018	0.1	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/20/2018 6:53:00 AM	alpha-Chlordane	n/a	<	0.041	µg/L	EPA 608	0.041	0.1	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/20/2018 2:25:00 AM	Atrazine	n/a	<	0.17	µg/L	EPA 525.2	0.17	0.5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/9/2018 3:21:00 AM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/13/2018 4:18:00 PM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/20/2018 6:53:00 AM	beta-BHC	n/a	<	0.031	µg/L	EPA 608	0.031	0.05	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/9/2018 3:21:00 AM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/20/2018 2:25:00 AM	Bromacil	n/a	<	0.19	µg/L	EPA 525.2	0.19	5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/20/2018 2:25:00 AM	Butachlor	n/a	<	0.085	µg/L	EPA 525.2	0.085	1	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/20/2018 2:25:00 AM	Captan	n/a	<	4.3	µg/L	EPA 525.2	4.3	5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/20/2018 6:53:00 AM	Chlordane (technical)	n/a	<	0.8	µg/L	EPA 608	0.8	1	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/20/2018 2:25:00 AM	Chlorpropham	n/a	<	0.05	µg/L	EPA 525.2	0.05	0.5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/9/2018 3:21:00 AM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/9/2018 3:21:00 AM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/20/2018 2:25:00 AM	Cyanazine	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/13/2018 4:18:00 PM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/13/2018 4:18:00 PM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/20/2018 6:53:00 AM	delta-BHC	n/a	<	0.025	µg/L	EPA 608	0.025	0.05	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/9/2018 3:21:00 AM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/9/2018 3:21:00 AM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/9/2018 3:21:00 AM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/20/2018 2:25:00 AM	Diazinon	n/a	<	0.48	µg/L	EPA 525.2	0.48	0.5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/13/2018 4:18:00 PM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/13/2018 4:18:00 PM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/9/2018 3:21:00 AM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/20/2018 6:53:00 AM	Dieldrin	n/a	<	0.021	µg/L	EPA 608	0.021	0.1	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/21/2018 5:35:00 AM	Dimethoate	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/9/2018 3:21:00 AM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/13/2018 4:18:00 PM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/20/2018 2:25:00 AM	Diphenamid	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/20/2018 2:25:00 AM	Disulfoton	n/a	<	0.16	µg/L	EPA 525.2	0.16	0.5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/9/2018 3:21:00 AM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/20/2018 6:53:00 AM	Endosulfan I	n/a	<	0.017	µg/L	EPA 608	0.017	0.2	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/20/2018 6:53:00 AM	Endosulfan II	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/20/2018 6:53:00 AM	Endosulfan sulfate	n/a	<	0.08	µg/L	EPA 608	0.08	0.5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/20/2018 6:53:00 AM	Endrin	n/a	<	0.028	µg/L	EPA 608	0.028	0.1	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/20/2018 6:53:00 AM	Endrin aldehyde	n/a	<	0.03	µg/L	EPA 608	0.03	0.1	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/20/2018 2:25:00 AM	EPTC	n/a	<	0.085	µg/L	EPA 525.2	0.085	5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/9/2018 3:21:00 AM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/9/2018 3:21:00 AM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/9/2018 3:21:00 AM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/9/2018 3:21:00 AM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/20/2018 6:53:00 AM	gamma-BHC (Lindane)	n/a	<	0.021	µg/L	EPA 608	0.021	0.2	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/20/2018 6:53:00 AM	gamma-Chlordane	n/a	<	0.044	µg/L	EPA 608	0.044	0.1	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/9/2018 7:18:00 PM	Glyphosate	n/a	=	12	µg/L	EPA 547	1.8	5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/20/2018 6:53:00 AM	Heptachlor	n/a	<	0.017	µg/L	EPA 608	0.017	0.1	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/20/2018 6:53:00 AM	Heptachlor epoxide	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/9/2018 3:21:00 AM	Malathion	n/a	DNQ	0.0079	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/9/2018 3:21:00 AM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/20/2018 6:53:00 AM	Methoxychlor	n/a	<	0.054	µg/L	EPA 608	0.054	0.2	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/9/2018 3:21:00 AM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/20/2018 2:25:00 AM	Metolachlor	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/20/2018 2:25:00 AM	Metribuzin	n/a	<	0.075	µg/L	EPA 525.2	0.075	0.5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/9/2018 3:21:00 AM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/20/2018 2:25:00 AM	Molinate	n/a	<	0.2	µg/L	EPA 525.2	0.2	0.5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/9/2018 3:21:00 AM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/15/2018 4:02:00 AM	Pentachlorophenol	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/26/2018 4:49:00 PM	Pentachlorophenol	n/a	<	0.75	µg/L	EPA 8270C	0.75	5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/13/2018 4:18:00 PM	Pentachlorophenol	n/a	DNQ	0.068	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/9/2018 3:21:00 AM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/13/2018 4:18:00 PM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/20/2018 2:25:00 AM	Prometon	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/20/2018 2:25:00 AM	Prometryn	n/a	<	0.18	µg/L	EPA 525.2	0.18	0.5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/9/2018 3:21:00 AM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/20/2018 2:25:00 AM	Simazine	n/a	<	0.075	µg/L	EPA 525.2	0.075	0.5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/9/2018 3:21:00 AM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/20/2018 2:25:00 AM	Terbacil	n/a	<	2.8	µg/L	EPA 525.2	2.8	10	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/21/2018 5:35:00 AM	Thiobencarb	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/9/2018 3:21:00 AM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/20/2018 6:53:00 AM	Toxaphene	n/a	<	1.2	µg/L	EPA 608	1.2	5	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/9/2018 3:21:00 AM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-SIM	2017/18-2	Wet	3/3/2018 8:50:00 AM	3/20/2018 2:25:00 AM	Trithion	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:35:00 PM	3/11/2018 11:34:00 PM	E. Coli	n/a	=	1850	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-SIM	2017/18-3	Wet	3/10/2018 6:35:00 PM	3/14/2018 10:10:00 PM	Fecal Coliform	n/a	=	2400	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-SIM	2017/18-3	Wet	3/10/2018 6:35:00 PM	3/11/2018 11:34:00 PM	Total Coliform	n/a	=	104620	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-SIM	2017/18-3	Wet	3/10/2018 6:35:00 PM	3/10/2018 6:35:00 PM	Conductivity	n/a	=	606	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SIM	2017/18-3	Wet	3/10/2018 6:35:00 PM	3/19/2018 4:29:00 PM	Cyanide	Total	<	0.0005	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:35:00 PM	3/10/2018 6:35:00 PM	DO	n/a	=	8.48	mg/L	Field Meter	-88	0.3	Field Crew	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2017/18-3	Wet	3/10/2018 6:35:00 PM	3/10/2018 6:35:00 PM	DO	n/a	=	86.8	%	Field Meter	-88	0.1	Field Crew	
MO-SIM	2017/18-3	Wet	3/10/2018 6:35:00 PM	3/10/2018 6:35:00 PM	pH	n/a	=	7.31	pH Units	Field Meter	-88	0.01	Field Crew	
MO-SIM	2017/18-3	Wet	3/10/2018 6:35:00 PM	3/10/2018 6:35:00 PM	Salinity	n/a	=	400	mg/L	Field Meter	-88	100	Field Crew	
MO-SIM	2017/18-3	Wet	3/10/2018 6:35:00 PM	3/10/2018 6:35:00 PM	Specific Conductance	n/a	=	727	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SIM	2017/18-3	Wet	3/10/2018 6:35:00 PM	3/10/2018 6:35:00 PM	Temperature	n/a	=	16.3	°C	Field Meter	-88	0.1	Field Crew	
MO-SIM	2017/18-3	Wet	3/10/2018 6:35:00 PM	3/16/2018 4:15:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:35:00 PM	3/27/2018 6:07:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:35:00 PM	3/13/2018 8:03:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:35:00 PM	3/13/2018 8:03:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/21/2018 2:00:00 PM	Chloride	n/a	=	18	mg/L	EPA 300.0	0.2	1	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/21/2018 2:00:00 PM	Fluoride	n/a	DNQ	0.12	mg/L	EPA 300.0	0.04	0.2	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/12/2018 7:05:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/21/2018 2:00:00 PM	Sulfate	Total	=	98	mg/L	EPA 300.0	0.2	1	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/26/2018 7:26:00 PM	Calcium	Total	=	38.1	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/26/2018 7:26:00 PM	Magnesium	Total	=	10	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/26/2018 7:26:00 PM	Potassium	Total	=	2.6	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/26/2018 7:26:00 PM	Sodium	Total	=	21	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/12/2018 1:51:00 PM	Alkalinity as CaCO3	n/a	=	53	mg/L	SM 2320 B	0.56	2	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/17/2018 6:25:00 PM	BOD	n/a	=	12	mg/L	SM 5210 B	2	2	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/19/2018 7:36:00 PM	COD	n/a	=	56	mg/L	EPA 410.4	0.73	5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/15/2018 1:47:00 PM	Dissolved Inorganic Carbon	Dissolved	=	11	mg/L	SM 5310 B	0.5	0.5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/19/2018 8:44:00 AM	Dissolved Organic Carbon	Dissolved	=	9.4	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/26/2018 7:26:00 PM	Hardness as CaCO3	Total	=	136	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/12/2018 4:40:00 PM	MBAS	n/a	=	0.25	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/27/2018 4:03:00 PM	Phenolics	n/a	DNQ	0.0054	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/14/2018 5:40:00 PM	Specific Conductance	n/a	=	400	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/14/2018 10:29:00 AM	Total Dissolved Solids	n/a	=	220	mg/L	SM 2540 C	4	10	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 10:17:00 AM	Total Organic Carbon	n/a	=	8.4	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/14/2018 1:40:00 PM	Total Suspended Solids	n/a	=	120	mg/L	SM 2540 D	-88	5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/12/2018 11:32:00 AM	Turbidity	n/a	=	20	NTU	EPA 180.1	0.024	0.1	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/14/2018 1:40:00 PM	Volatile Suspended Solids	n/a	=	46	mg/L	EPA 160.4	3.1	5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/20/2018 12:08:00 AM	Diesel Range Organics	n/a	=	0.88	mg/L	EPA 8015D	0.024	0.1	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/20/2018 12:08:00 AM	Oil Range Organics	n/a	=	1.3	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	4/2/2018 9:38:00 PM	Aluminum	Dissolved	=	11	µg/L	EPA 200.8	1.3	5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	4/2/2018 9:42:00 PM	Aluminum	Total	=	1700	µg/L	EPA 200.8	1.3	5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/31/2018 1:21:00 AM	Antimony	Dissolved	=	0.88	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/31/2018 1:29:00 AM	Antimony	Total	=	2	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/31/2018 1:21:00 AM	Arsenic	Dissolved	=	1	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/31/2018 1:29:00 AM	Arsenic	Total	=	2	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/31/2018 1:29:00 AM	Barium	Total	=	34	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/31/2018 1:21:00 AM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/31/2018 1:29:00 AM	Beryllium	Total	DNQ	0.06	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/31/2018 1:21:00 AM	Cadmium	Dissolved	DNQ	0.05	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/31/2018 1:29:00 AM	Cadmium	Total	=	0.26	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/31/2018 1:21:00 AM	Chromium	Dissolved	=	0.81	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/31/2018 1:29:00 AM	Chromium	Total	=	4.4	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/15/2018 7:12:00 PM	Chromium VI	n/a	=	0.73	µg/L	EPA 218.6	0.024	0.1	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/31/2018 1:21:00 AM	Copper	Dissolved	=	5.9	µg/L	EPA 200.8	0.13	0.5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/31/2018 1:29:00 AM	Copper	Total	=	17	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/26/2018 6:48:00 PM	Iron	Dissolved	=	16	µg/L	EPA 200.7	1.1	10	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/26/2018 7:26:00 PM	Iron	Total	=	2500	µg/L	EPA 200.7	1.1	10	WKL	HB-MSR
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/31/2018 1:21:00 AM	Lead	Dissolved	DNQ	0.08	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/31/2018 1:29:00 AM	Lead	Total	=	4.2	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/23/2018 4:08:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/23/2018 4:10:00 PM	Mercury	Total	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/31/2018 1:21:00 AM	Nickel	Dissolved	=	1.3	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/31/2018 1:29:00 AM	Nickel	Total	=	4.6	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	4/2/2018 9:38:00 PM	Selenium	Dissolved	=	2.4	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	4/2/2018 9:42:00 PM	Selenium	Total	=	2.5	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/31/2018 1:21:00 AM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/31/2018 1:29:00 AM	Silver	Total	DNQ	0.08	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/31/2018 1:21:00 AM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/31/2018 1:29:00 AM	Thallium	Total	DNQ	0.03	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/31/2018 1:21:00 AM	Zinc	Dissolved	=	16	µg/L	EPA 200.8	0.94	5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/31/2018 1:29:00 AM	Zinc	Total	=	75	µg/L	EPA 200.8	0.94	5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/21/2018 8:47:00 PM	Ammonia as N	n/a	=	0.43	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/25/2018 10:24:00 AM	Nitrate + Nitrite as N	n/a	=	0.74	mg/L	EPA 353.2	0.083	0.2	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/27/2018 5:53:00 PM	Phosphorus as P	Dissolved	=	0.052	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 11:40:00 AM	Phosphorus as P	Total	=	0.34	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/23/2018 3:23:00 PM	TKN	n/a	=	1.6	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 5:08:00 AM	1,2,4-Trichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 5:08:00 AM	1,2-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 5:08:00 AM	1,2-Diphenylhydrazine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 5:08:00 AM	1,3-Dichlorobenzene	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 5:08:00 AM	1,4-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/27/2018 6:25:00 PM	1-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/23/2018 7:21:00 AM	2,4,5-Trichlorophenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/23/2018 7:21:00 AM	2,4,6-Trichlorophenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 5:08:00 AM	2,4,6-Trichlorophenol	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/23/2018 7:21:00 AM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 8270C	2.6	5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 5:08:00 AM	2,4-Dichlorophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 5:08:00 AM	2,4-Dimethylphenol	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	EST-LCSRPD
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/23/2018 7:21:00 AM	2,4-Dimethylphenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 5:08:00 AM	2,4-Dinitrophenol	n/a	<	7.9	µg/L	EPA 625	7.9	50	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/23/2018 7:21:00 AM	2,4-Dinitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	EST-LCSRPD
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 5:08:00 AM	2,4-Dinitrotoluene	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 5:08:00 AM	2,6-Dinitrotoluene	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 5:08:00 AM	2-Chloronaphthalene	n/a	<	2.2	µg/L	EPA 625	2.2	5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 5:08:00 AM	2-Chlorophenol	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/23/2018 7:21:00 AM	2-Chlorophenol	n/a	<	3.2	µg/L	EPA 8270C	3.2	5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/27/2018 6:25:00 PM	2-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/23/2018 7:21:00 AM	2-Methylphenol	n/a	<	1.7	µg/L	EPA 8270C	1.7	5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 5:08:00 AM	2-Nitrophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/23/2018 7:21:00 AM	2-Nitrophenol	n/a	<	3.6	µg/L	EPA 8270C	3.6	5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 5:08:00 AM	3,3'-Dichlorobenzidine	n/a	<	6	µg/L	EPA 625	6	25	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/23/2018 7:21:00 AM	3-/4-Methylphenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 5:08:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	8.6	µg/L	EPA 625	8.6	25	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/23/2018 7:21:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.7	µg/L	EPA 8270C	0.7	5	WKL	EST-LCSRPD
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 5:08:00 AM	4-Bromophenyl phenyl ether	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 5:08:00 AM	4-Chloro-3-methylphenol	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/23/2018 7:21:00 AM	4-Chloro-3-methylphenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 5:08:00 AM	4-Chlorophenyl phenyl ether	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 5:08:00 AM	4-Nitrophenol	n/a	<	2.2	µg/L	EPA 625	2.2	25	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/23/2018 7:21:00 AM	4-Nitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	EST-LCSRPD
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 5:08:00 AM	Acenaphthene	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/27/2018 6:25:00 PM	Acenaphthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/27/2018 6:25:00 PM	Acenaphthylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 5:08:00 AM	Acenaphthylene	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/27/2018 6:25:00 PM	Anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 5:08:00 AM	Anthracene	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 5:08:00 AM	Benz(a)anthracene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/27/2018 6:25:00 PM	Benz(a)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 5:08:00 AM	Benzdine	n/a	<	18	µg/L	EPA 625	18	50	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/27/2018 6:25:00 PM	Benzo(a)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 5:08:00 AM	Benzo(a)pyrene	n/a	<	0.65	µg/L	EPA 625	0.65	5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 5:13:00 PM	Benzo(a)pyrene	n/a	<	0.35	µg/L	EPA 525.2	0.35	0.5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/27/2018 6:25:00 PM	Benzo(b)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 5:08:00 AM	Benzo(b)fluoranthene	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/27/2018 6:25:00 PM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 5:08:00 AM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 625	0.5	10	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 5:08:00 AM	Benzo(k)fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/27/2018 6:25:00 PM	Benzo(k)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 5:08:00 AM	Bis(2-chloroethoxy)methane	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 5:08:00 AM	Bis(2-chloroethyl)ether	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 5:08:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 5:13:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.52	µg/L	EPA 525.2	0.52	25	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 5:08:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	12	µg/L	EPA 625	12	25	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 5:13:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	5.3	µg/L	EPA 525.2	5.3	15	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 5:08:00 AM	Butyl benzyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 5:08:00 AM	Chrysene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/27/2018 6:25:00 PM	Chrysene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 5:08:00 AM	Dibenz(a,h)anthracene	n/a	<	0.4	µg/L	EPA 625	0.4	10	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/27/2018 6:25:00 PM	Dibenz(a,h)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 5:08:00 AM	Diethyl phthalate	n/a	<	0.75	µg/L	EPA 625	0.75	5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 5:08:00 AM	Dimethyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 5:08:00 AM	Di-n-butylphthalate	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 5:08:00 AM	Di-n-octylphthalate	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 5:08:00 AM	Fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/27/2018 6:25:00 PM	Fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 5:08:00 AM	Fluorene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/27/2018 6:25:00 PM	Fluorene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 5:08:00 AM	Hexachlorobenzene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 5:08:00 AM	Hexachlorobutadiene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 5:08:00 AM	Hexachlorocyclopentadiene	n/a	<	7.3	µg/L	EPA 625	7.3	25	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 5:08:00 AM	Hexachloroethane	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 5:08:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.6	µg/L	EPA 625	0.6	10	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/27/2018 6:25:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 5:08:00 AM	Isophorone	n/a	<	1	µg/L	EPA 625	1	5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 5:08:00 AM	Naphthalene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/27/2018 6:25:00 PM	Naphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 5:08:00 AM	Nitrobenzene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 5:08:00 AM	N-Nitrosodimethylamine	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 5:08:00 AM	N-Nitrosodi-N-propylamine	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 5:08:00 AM	N-Nitrosodiphenylamine	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/27/2018 6:25:00 PM	Phenanthrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 5:08:00 AM	Phenanthrene	n/a	<	1.6	µg/L	EPA 625	1.6	5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/23/2018 7:21:00 AM	Phenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 5:08:00 AM	Phenol	n/a	<	0.8	µg/L	EPA 625	0.8	5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 5:08:00 AM	Pyrene	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/27/2018 6:25:00 PM	Pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/24/2018 10:24:00 PM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/24/2018 10:24:00 PM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/24/2018 10:24:00 PM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/24/2018 10:24:00 PM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/24/2018 10:24:00 PM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/24/2018 10:24:00 PM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/24/2018 10:24:00 PM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/17/2018 6:15:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/17/2018 6:15:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/17/2018 6:15:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/17/2018 6:15:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/17/2018 6:15:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/24/2018 10:24:00 PM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/24/2018 10:24:00 PM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/24/2018 10:24:00 PM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/17/2018 6:15:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 5:13:00 PM	Alachlor	n/a	<	0.11	µg/L	EPA 525.2	0.11	0.5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/24/2018 10:24:00 PM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/24/2018 10:24:00 PM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/24/2018 10:24:00 PM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 5:13:00 PM	Atrazine	n/a	<	0.17	µg/L	EPA 525.2	0.17	0.5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/19/2018 4:58:00 PM	Azinphos methyl	n/a	<	0.028	µg/L	EPA 525.2m	0.028	0.05	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/17/2018 6:15:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/24/2018 10:24:00 PM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/19/2018 4:58:00 PM	Bolstar	n/a	<	0.023	µg/L	EPA 525.2m	0.023	0.05	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 5:13:00 PM	Bromacil	n/a	<	0.19	µg/L	EPA 525.2	0.19	5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 5:13:00 PM	Butachlor	n/a	<	0.085	µg/L	EPA 525.2	0.085	1	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 5:13:00 PM	Captan	n/a	<	4.3	µg/L	EPA 525.2	4.3	5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/24/2018 10:24:00 PM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 5:13:00 PM	Chlorpropham	n/a	<	0.05	µg/L	EPA 525.2	0.05	0.5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/19/2018 4:58:00 PM	Chlorpyrifos	n/a	<	0.034	µg/L	EPA 525.2m	0.034	0.05	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/19/2018 4:58:00 PM	Coumaphos	n/a	<	0.026	µg/L	EPA 525.2m	0.026	0.05	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 5:13:00 PM	Cyanazine	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/17/2018 6:15:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/17/2018 6:15:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/24/2018 10:24:00 PM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/19/2018 4:58:00 PM	Demeton-O	n/a	<	0.05	µg/L	EPA 525.2m	0.05	0.05	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/19/2018 4:58:00 PM	Demeton-S	n/a	<	0.05	µg/L	EPA 525.2m	0.05	0.05	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/19/2018 4:58:00 PM	Diazinon	n/a	<	0.026	µg/L	EPA 525.2m	0.026	0.05	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 5:13:00 PM	Diazinon	n/a	<	0.48	µg/L	EPA 525.2	0.48	0.5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/17/2018 6:15:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/17/2018 6:15:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/19/2018 4:58:00 PM	Dichlorvos	n/a	<	0.014	µg/L	EPA 525.2m	0.014	0.05	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/24/2018 10:24:00 PM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 5:13:00 PM	Dimethoate	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/19/2018 4:58:00 PM	Dimethoate	n/a	<	0.031	µg/L	EPA 525.2m	0.031	0.05	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/17/2018 6:15:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 5:13:00 PM	Diphenamid	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/19/2018 4:58:00 PM	Disulfoton	n/a	<	0.05	µg/L	EPA 525.2m	0.05	0.05	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 5:13:00 PM	Disulfoton	n/a	<	0.16	µg/L	EPA 525.2	0.16	0.5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/24/2018 10:24:00 PM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/24/2018 10:24:00 PM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/24/2018 10:24:00 PM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/24/2018 10:24:00 PM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/24/2018 10:24:00 PM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 5:13:00 PM	EPTC	n/a	<	0.085	µg/L	EPA 525.2	0.085	5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/19/2018 4:58:00 PM	Ethoprop	n/a	<	0.034	µg/L	EPA 525.2m	0.034	0.05	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/19/2018 4:58:00 PM	Ethyl parathion	n/a	<	0.027	µg/L	EPA 525.2m	0.027	0.05	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/19/2018 4:58:00 PM	Fensulfothion	n/a	<	0.014	µg/L	EPA 525.2m	0.014	0.05	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/19/2018 4:58:00 PM	Fenthion	n/a	<	0.019	µg/L	EPA 525.2m	0.019	0.05	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/24/2018 10:24:00 PM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/24/2018 10:24:00 PM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 11:20:00 PM	Glyphosate	n/a	=	8.5	µg/L	EPA 547	1.8	5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/24/2018 10:24:00 PM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/24/2018 10:24:00 PM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/19/2018 4:58:00 PM	Malathion	n/a	<	0.038	µg/L	EPA 525.2m	0.038	0.05	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/19/2018 4:58:00 PM	Merphos	n/a	<	0.029	µg/L	EPA 525.2m	0.029	0.05	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/24/2018 10:24:00 PM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/19/2018 4:58:00 PM	Methyl parathion	n/a	<	0.032	µg/L	EPA 525.2m	0.032	0.05	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 5:13:00 PM	Metolachlor	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 5:13:00 PM	Metribuzin	n/a	<	0.075	µg/L	EPA 525.2	0.075	0.5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/19/2018 4:58:00 PM	Mevinphos	n/a	<	0.021	µg/L	EPA 525.2m	0.021	0.05	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 5:13:00 PM	Molinate	n/a	<	0.2	µg/L	EPA 525.2	0.2	0.5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/19/2018 4:58:00 PM	Naled	n/a	<	0.038	µg/L	EPA 525.2m	0.038	0.05	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/23/2018 7:21:00 AM	Pentachlorophenol	n/a	<	0.75	µg/L	EPA 8270C	0.75	5	WKL	EST-LCSRPD
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 5:08:00 AM	Pentachlorophenol	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/17/2018 6:15:00 AM	Pentachlorophenol	n/a	DNQ	0.056	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/19/2018 4:58:00 PM	Phorate	n/a	<	0.015	µg/L	EPA 525.2m	0.015	0.05	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/17/2018 6:15:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 5:13:00 PM	Prometon	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	EST-LCSRPD

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 5:13:00 PM	Prometryn	n/a	<	0.18	µg/L	EPA 525.2	0.18	0.5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/19/2018 4:58:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.02	µg/L	EPA 525.2m	0.02	0.05	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 5:13:00 PM	Simazine	n/a	<	0.075	µg/L	EPA 525.2	0.075	0.5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/19/2018 4:58:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.016	µg/L	EPA 525.2m	0.016	0.05	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 5:13:00 PM	Terbacil	n/a	<	2.8	µg/L	EPA 525.2	2.8	10	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 5:13:00 PM	Thiobencarb	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/19/2018 4:58:00 PM	Tokuthion	n/a	<	0.039	µg/L	EPA 525.2m	0.039	0.05	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/24/2018 10:24:00 PM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/19/2018 4:58:00 PM	Trichloronate	n/a	<	0.034	µg/L	EPA 525.2m	0.034	0.05	WKL	
MO-SIM	2017/18-3	Wet	3/10/2018 6:50:00 PM	3/22/2018 5:13:00 PM	Trithion	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.5	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 8:40:00 AM	5/31/2018 8:00:00 AM	E. Coli	n/a	=	223	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-SIM	2017/18-5	Dry	5/30/2018 8:40:00 AM	5/31/2018 8:00:00 AM	Total Coliform	n/a	=	77010	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-SIM	2017/18-5	Dry	5/30/2018 8:40:00 AM	5/30/2018 8:40:00 AM	Conductivity	n/a	=	1928	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SIM	2017/18-5	Dry	5/30/2018 8:40:00 AM	6/7/2018 6:23:00 PM	Cyanide	Total	<	0.0005	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 8:40:00 AM	5/30/2018 8:40:00 AM	DO	n/a	=	10.26	mg/L	Field Meter	-88	0.3	Field Crew	
MO-SIM	2017/18-5	Dry	5/30/2018 8:40:00 AM	5/30/2018 8:40:00 AM	DO	n/a	=	112.5	%	Field Meter	-88	0.1	Field Crew	
MO-SIM	2017/18-5	Dry	5/30/2018 8:40:00 AM	5/30/2018 8:40:00 AM	pH	n/a	=	8.17	pH Units	Field Meter	-88	0.01	Field Crew	
MO-SIM	2017/18-5	Dry	5/30/2018 8:40:00 AM	5/30/2018 8:40:00 AM	Salinity	n/a	=	1100	mg/L	Field Meter	-88	100	Field Crew	
MO-SIM	2017/18-5	Dry	5/30/2018 8:40:00 AM	5/30/2018 8:40:00 AM	Specific Conductance	n/a	=	2151	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SIM	2017/18-5	Dry	5/30/2018 8:40:00 AM	5/30/2018 8:40:00 AM	Temperature	n/a	=	19.6	°C	Field Meter	-88	0.1	Field Crew	
MO-SIM	2017/18-5	Dry	5/30/2018 8:40:00 AM	5/31/2018 4:58:00 PM	Gasoline Range Organics	n/a	<	0.012	mg/L	LUFT GC/MS	0.012	0.1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 8:40:00 AM	5/31/2018 5:55:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 8:40:00 AM	6/4/2018 7:15:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 8:40:00 AM	6/4/2018 7:15:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/4/2018 10:00:00 AM	Chloride	n/a	=	200	mg/L	EPA 300.0	0.2	1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/4/2018 10:00:00 AM	Fluoride	n/a	=	0.54	mg/L	EPA 300.0	0.04	0.2	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/7/2018 5:43:00 AM	Perchlorate	n/a	<	4.8	µg/L	EPA 314.0	4.8	10	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/4/2018 10:00:00 AM	Sulfate	Total	=	940	mg/L	EPA 300.0	2.2	11	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/7/2018 11:46:00 AM	Calcium	Total	=	312	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/7/2018 11:46:00 AM	Magnesium	Total	=	116	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/7/2018 11:46:00 AM	Potassium	Total	=	6	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/7/2018 11:46:00 AM	Sodium	Total	=	240	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	5/31/2018 1:09:00 PM	Alkalinity as CaCO3	n/a	=	270	mg/L	SM 2320 B	0.56	2	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/5/2018 5:12:00 PM	BOD	n/a	<	2	mg/L	SM 5210 B	2	2	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/7/2018 1:47:00 PM	COD	n/a	=	5.9	mg/L	EPA 410.4	0.73	5	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/12/2018 11:30:00 AM	Dissolved Inorganic Carbon	Dissolved	=	63	mg/L	SM 5310 B	0.5	0.5	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/6/2018 3:22:00 PM	Dissolved Organic Carbon	Dissolved	=	2.9	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/7/2018 11:46:00 AM	Hardness as CaCO3	Total	=	1250	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	5/31/2018 7:53:00 PM	MBAS	n/a	=	0.091	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/12/2018 2:29:00 PM	Phenolics	n/a	=	0.012	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/5/2018 12:44:00 PM	Specific Conductance	n/a	=	3400	µmhos/cm	SM 2510 B	0.7	6	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/5/2018 6:00:00 PM	Total Dissolved Solids	n/a	=	2500	mg/L	SM 2540 C	4	10	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/5/2018 12:33:00 PM	Total Organic Carbon	n/a	=	2.9	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/4/2018 8:07:00 PM	Total Suspended Solids	n/a	DNQ	1	mg/L	SM 2540 D	-88	5	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	5/31/2018 1:08:00 PM	Turbidity	n/a	=	0.29	NTU	EPA 180.1	0.024	0.1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/4/2018 8:17:00 PM	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/4/2018 7:57:00 PM	Diesel Range Organics	n/a	DNQ	0.042	mg/L	EPA 8015D	0.024	0.1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/4/2018 7:57:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/8/2018 3:34:00 PM	Aluminum	Dissolved	DNQ	2.2	µg/L	EPA 200.8	1.3	5	WKL	UL-MB
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/8/2018 3:41:00 PM	Aluminum	Total	DNQ	3.9	µg/L	EPA 200.8	1.3	5	WKL	UL-MB
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/8/2018 3:34:00 PM	Antimony	Dissolved	DNQ	0.15	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/8/2018 3:41:00 PM	Antimony	Total	DNQ	0.13	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/8/2018 3:34:00 PM	Arsenic	Dissolved	=	1.4	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/8/2018 3:41:00 PM	Arsenic	Total	=	1.4	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/8/2018 3:41:00 PM	Barium	Total	=	16	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/8/2018 3:34:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/8/2018 3:41:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/8/2018 3:34:00 PM	Cadmium	Dissolved	=	0.14	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/8/2018 3:41:00 PM	Cadmium	Total	=	0.14	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/13/2018 6:23:00 PM	Chromium	Dissolved	=	1.6	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/13/2018 6:28:00 PM	Chromium	Total	=	1.6	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/7/2018 5:08:00 PM	Chromium VI	n/a	=	2.4	µg/L	EPA 218.6	0.024	0.1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/13/2018 6:23:00 PM	Copper	Dissolved	=	0.65	µg/L	EPA 200.8	0.13	0.5	WKL	UL-MB
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/13/2018 6:28:00 PM	Copper	Total	=	0.82	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/7/2018 11:19:00 AM	Iron	Dissolved	DNQ	5	µg/L	EPA 200.7	1.1	10	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/7/2018 11:46:00 AM	Iron	Total	=	21	µg/L	EPA 200.7	1.1	10	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/8/2018 3:34:00 PM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/8/2018 3:41:00 PM	Lead	Total	DNQ	0.05	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/12/2018 5:03:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/12/2018 5:08:00 PM	Mercury	Total	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/8/2018 3:34:00 PM	Nickel	Dissolved	=	1.3	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/8/2018 3:41:00 PM	Nickel	Total	=	1.4	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/8/2018 3:34:00 PM	Selenium	Dissolved	=	40	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/8/2018 3:41:00 PM	Selenium	Total	=	41	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/8/2018 3:34:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/8/2018 3:41:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/8/2018 3:34:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/8/2018 3:41:00 AM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/8/2018 3:34:00 PM	Zinc	Dissolved	DNQ	1.5	µg/L	EPA 200.8	0.94	5	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/8/2018 3:41:00 PM	Zinc	Total	DNQ	1.8	µg/L	EPA 200.8	0.94	5	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	5/31/2018 6:42:00 PM	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/12/2018 12:19:00 PM	Nitrate + Nitrite as N	n/a	=	8.6	mg/L	EPA 353.2	0.083	0.2	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/27/2018 12:17:00 PM	Phosphorus as P	Dissolved	DNQ	0.0069	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/20/2018 12:46:00 PM	Phosphorus as P	Total	=	0.023	mg/L	EPA 365.1	0.0028	0.02	WKL	HB-MSR
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/7/2018 4:39:00 PM	TKN	n/a	<	0.05	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/8/2018 4:21:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/8/2018 4:21:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/8/2018 4:21:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/8/2018 4:21:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/8/2018 9:00:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/13/2018 4:56:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/12/2018 9:06:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/8/2018 4:21:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/12/2018 9:06:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/8/2018 4:21:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/12/2018 9:06:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/12/2018 9:06:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/8/2018 4:21:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/8/2018 4:21:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/12/2018 9:06:00 PM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/8/2018 4:21:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/8/2018 4:21:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/8/2018 4:21:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/12/2018 9:06:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/8/2018 4:21:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/13/2018 4:56:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/12/2018 9:06:00 PM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/8/2018 4:21:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/12/2018 9:06:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/8/2018 4:21:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/12/2018 9:06:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/18/2018 10:59:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/8/2018 4:21:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/8/2018 4:21:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/8/2018 4:21:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/12/2018 9:06:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/8/2018 4:21:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/18/2018 10:59:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/8/2018 4:21:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/13/2018 4:56:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/8/2018 4:21:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/8/2018 4:21:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/13/2018 4:56:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/8/2018 4:21:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/13/2018 4:56:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/8/2018 4:21:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/13/2018 4:56:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/8/2018 4:21:00 AM	Benzdine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/8/2018 4:21:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/7/2018 2:47:00 AM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/13/2018 4:56:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/8/2018 4:21:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/13/2018 4:56:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/13/2018 4:56:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/8/2018 4:21:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/13/2018 4:56:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/8/2018 4:21:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/8/2018 4:21:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/8/2018 4:21:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/8/2018 4:21:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/7/2018 2:47:00 AM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/7/2018 2:47:00 AM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	2.1	µg/L	EPA 525.2	1.1	3	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/8/2018 4:21:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/8/2018 4:21:00 AM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/8/2018 4:21:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/13/2018 4:56:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/8/2018 4:21:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/13/2018 4:56:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/8/2018 4:21:00 AM	Diethyl phthalate	n/a	DNQ	0.39	µg/L	EPA 625	0.15	1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/8/2018 4:21:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/8/2018 4:21:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/8/2018 4:21:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/8/2018 4:21:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/13/2018 4:56:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/8/2018 4:21:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/13/2018 4:56:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/8/2018 4:21:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/8/2018 4:21:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/8/2018 4:21:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/8/2018 4:21:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/13/2018 4:56:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/8/2018 4:21:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/8/2018 4:21:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/8/2018 4:21:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/13/2018 4:56:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/8/2018 4:21:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/8/2018 4:21:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/8/2018 4:21:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/8/2018 4:21:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/13/2018 4:56:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/8/2018 4:21:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/8/2018 4:21:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/12/2018 9:06:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/8/2018 4:21:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/13/2018 4:56:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/11/2018 7:30:00 PM	PCB Aroclor 1016	n/a	<	0.1	µg/L	EPA 608	0.1	1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/11/2018 7:30:00 PM	PCB Aroclor 1221	n/a	<	0.12	µg/L	EPA 608	0.12	1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/11/2018 7:30:00 PM	PCB Aroclor 1232	n/a	<	0.3	µg/L	EPA 608	0.3	1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/11/2018 7:30:00 PM	PCB Aroclor 1242	n/a	<	0.14	µg/L	EPA 608	0.14	1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/11/2018 7:30:00 PM	PCB Aroclor 1248	n/a	<	0.12	µg/L	EPA 608	0.12	1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/11/2018 7:30:00 PM	PCB Aroclor 1254	n/a	<	0.08	µg/L	EPA 608	0.08	1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/11/2018 7:30:00 PM	PCB Aroclor 1260	n/a	<	0.08	µg/L	EPA 608	0.08	1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/12/2018 8:10:00 PM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/12/2018 8:10:00 PM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/12/2018 8:10:00 PM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/12/2018 8:10:00 PM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/12/2018 8:10:00 PM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/11/2018 7:30:00 PM	4,4'-DDD	n/a	<	0.006	µg/L	EPA 608	0.006	0.1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/11/2018 7:30:00 PM	4,4'-DDE	n/a	<	0.005	µg/L	EPA 608	0.005	0.1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/11/2018 7:30:00 PM	4,4'-DDT	n/a	<	0.0062	µg/L	EPA 608	0.0062	0.02	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/12/2018 8:10:00 PM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/7/2018 2:47:00 AM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/11/2018 7:30:00 PM	Aldrin	n/a	<	0.003	µg/L	EPA 608	0.003	0.01	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/11/2018 7:30:00 PM	alpha-BHC	n/a	<	0.0036	µg/L	EPA 608	0.0036	0.02	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/11/2018 7:30:00 PM	alpha-Chlordane	n/a	<	0.0082	µg/L	EPA 608	0.0082	0.02	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/7/2018 2:47:00 AM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/13/2018 10:15:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/12/2018 8:10:00 PM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/11/2018 7:30:00 PM	beta-BHC	n/a	<	0.0062	µg/L	EPA 608	0.0062	0.01	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/13/2018 10:15:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/7/2018 2:47:00 AM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/7/2018 2:47:00 AM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/7/2018 2:47:00 AM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/11/2018 7:30:00 PM	Chlordane (technical)	n/a	<	0.16	µg/L	EPA 608	0.16	0.2	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/7/2018 2:47:00 AM	Chloropropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/13/2018 10:15:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/13/2018 10:15:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/7/2018 2:47:00 AM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/12/2018 8:10:00 PM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/12/2018 8:10:00 PM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/11/2018 7:30:00 PM	delta-BHC	n/a	<	0.005	µg/L	EPA 608	0.005	0.01	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/13/2018 10:15:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/13/2018 10:15:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/7/2018 2:47:00 AM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/13/2018 10:15:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/12/2018 8:10:00 PM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/12/2018 8:10:00 PM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/13/2018 10:15:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/11/2018 7:30:00 PM	Dieldrin	n/a	<	0.0042	µg/L	EPA 608	0.0042	0.02	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/7/2018 2:47:00 AM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/13/2018 10:15:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/12/2018 8:10:00 PM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/7/2018 2:47:00 AM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/7/2018 2:47:00 AM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/13/2018 10:15:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/11/2018 7:30:00 PM	Endosulfan I	n/a	<	0.0034	µg/L	EPA 608	0.0034	0.04	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/11/2018 7:30:00 PM	Endosulfan II	n/a	<	0.0038	µg/L	EPA 608	0.0038	0.02	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/11/2018 7:30:00 PM	Endosulfan sulfate	n/a	<	0.016	µg/L	EPA 608	0.016	0.1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/11/2018 7:30:00 PM	Endrin	n/a	<	0.0056	µg/L	EPA 608	0.0056	0.02	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/11/2018 7:30:00 PM	Endrin aldehyde	n/a	<	0.006	µg/L	EPA 608	0.006	0.02	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/7/2018 2:47:00 AM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/13/2018 10:15:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/13/2018 10:15:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/13/2018 10:15:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/13/2018 10:15:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/11/2018 7:30:00 PM	gamma-BHC (Lindane)	n/a	<	0.0042	µg/L	EPA 608	0.0042	0.04	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/11/2018 7:30:00 PM	gamma-Chlordane	n/a	<	0.0088	µg/L	EPA 608	0.0088	0.02	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/2/2018 6:38:00 AM	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/11/2018 7:30:00 PM	Heptachlor	n/a	<	0.0034	µg/L	EPA 608	0.0034	0.02	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/11/2018 7:30:00 PM	Heptachlor epoxide	n/a	<	0.0038	µg/L	EPA 608	0.0038	0.02	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/13/2018 10:15:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/13/2018 10:15:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/11/2018 7:30:00 PM	Methoxychlor	n/a	<	0.011	µg/L	EPA 608	0.011	0.04	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/13/2018 10:15:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/7/2018 2:47:00 AM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/7/2018 2:47:00 AM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/13/2018 10:15:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/7/2018 2:47:00 AM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/13/2018 10:15:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/12/2018 8:10:00 PM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/8/2018 4:21:00 AM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/18/2018 10:59:00 PM	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/13/2018 10:15:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/12/2018 8:10:00 PM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/7/2018 2:47:00 AM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/7/2018 2:47:00 AM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/13/2018 10:15:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/7/2018 2:47:00 AM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/13/2018 10:15:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/7/2018 2:47:00 AM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/7/2018 2:47:00 AM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/13/2018 10:15:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/11/2018 7:30:00 PM	Toxaphene	n/a	<	0.24	µg/L	EPA 608	0.24	1	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/13/2018 10:15:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-SIM	2017/18-5	Dry	5/30/2018 9:00:00 AM	6/7/2018 2:47:00 AM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-SIM	2018-DRY	Dry	8/21/2018 9:25:00 AM	8/22/2018 6:30:00 AM	E. Coli	n/a	=	228	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-SIM	2018-DRY	Dry	8/21/2018 9:25:00 AM	8/22/2018 6:30:00 AM	Total Coliform	n/a	=	24196	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-SIM	2018-DRY	Dry	8/21/2018 9:25:00 AM	8/24/2018 4:17:00 PM	Calcium	Total	=	314	mg/L	EPA 200.7	0.08	0.5	WKL	
MO-SIM	2018-DRY	Dry	8/21/2018 9:25:00 AM	8/24/2018 4:17:00 PM	Magnesium	Total	=	103	mg/L	EPA 200.7	0.06	0.5	WKL	
MO-SIM	2018-DRY	Dry	8/21/2018 9:25:00 AM	8/21/2018 9:25:00 AM	Conductivity	n/a	=	2641	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SIM	2018-DRY	Dry	8/21/2018 9:25:00 AM	8/21/2018 9:25:00 AM	Discharge	n/a	=	0.75	cfs	Field Estimate	-88	-88	Field Crew	EST
MO-SIM	2018-DRY	Dry	8/21/2018 9:25:00 AM	8/21/2018 9:25:00 AM	DO	n/a	=	138.5	%	Field Meter	-88	0.1	Field Crew	
MO-SIM	2018-DRY	Dry	8/21/2018 9:25:00 AM	8/21/2018 9:25:00 AM	DO	n/a	=	11.97	mg/L	Field Meter	-88	0.3	Field Crew	
MO-SIM	2018-DRY	Dry	8/21/2018 9:25:00 AM	8/24/2018 4:17:00 PM	Hardness as CaCO3	Total	=	1210	mg/L	EPA 200.7	0.447	3.31	Field Crew	
MO-SIM	2018-DRY	Dry	8/21/2018 9:25:00 AM	8/21/2018 9:25:00 AM	pH	n/a	=	8.26	pH Units	Field Meter	-88	0.01	Field Crew	
MO-SIM	2018-DRY	Dry	8/21/2018 9:25:00 AM	8/21/2018 9:25:00 AM	Salinity	n/a	=	1400	mg/L	Field Meter	-88	100	Field Crew	
MO-SIM	2018-DRY	Dry	8/21/2018 9:25:00 AM	8/21/2018 9:25:00 AM	Specific Conductance	n/a	=	2783	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SIM	2018-DRY	Dry	8/21/2018 9:25:00 AM	8/21/2018 9:25:00 AM	Temperature	n/a	=	22.2	°C	Field Meter	-88	0.1	Field Crew	
MO-SIM	2018-DRY	Dry	8/21/2018 9:25:00 AM	8/28/2018 12:44:00 PM	Total Organic Carbon	n/a	=	2.7	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-SIM	2018-DRY	Dry	8/21/2018 9:25:00 AM	8/21/2018 9:25:00 AM	Turbidity	n/a	=	1.93	NTU	Field Meter	-88	0.01	Field Crew	
MO-SIM	2018-DRY	Dry	8/21/2018 9:25:00 AM	8/28/2018 5:32:00 PM	Copper	Dissolved	=	0.51	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-SIM	2018-DRY	Dry	8/21/2018 9:25:00 AM	8/28/2018 5:32:00 PM	Lead	Dissolved	DNQ	0.055	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-SIM	2018-DRY	Dry	8/21/2018 9:25:00 AM	8/28/2018 5:32:00 PM	Zinc	Dissolved	<	0.94	µg/L	EPA 200.8	0.94	5	WKL	
MO-SPA	2017/18-1	Wet	1/8/2018 4:00:00 PM	1/9/2018 12:10:00 PM	E. Coli	n/a	=	8664	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-SPA	2017/18-1	Wet	1/8/2018 4:00:00 PM	1/10/2018 1:15:00 PM	Fecal Coliform	n/a	=	350000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-SPA	2017/18-1	Wet	1/8/2018 4:00:00 PM	1/9/2018 4:10:00 PM	Total Coliform	n/a	=	579400	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-SPA	2017/18-1	Wet	1/8/2018 4:00:00 PM	1/8/2018 4:00:00 PM	Conductivity	n/a	=	163.1	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SPA	2017/18-1	Wet	1/8/2018 4:00:00 PM	1/16/2018 6:51:00 PM	Cyanide	Total	=	0.0034	mg/L	ASTM D7511	0.0005	0.002	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SPA	2017/18-1	Wet	1/8/2018 4:00:00 PM	1/8/2018 4:00:00 PM	DO	n/a	=	9.33	mg/L	Field Meter	-88	0.3	Field Crew	
MO-SPA	2017/18-1	Wet	1/8/2018 4:00:00 PM	1/8/2018 4:00:00 PM	DO	n/a	=	94.1	%	Field Meter	-88	0.1	Field Crew	
MO-SPA	2017/18-1	Wet	1/8/2018 4:00:00 PM	1/8/2018 4:00:00 PM	pH	n/a	=	7.83	pH Units	Field Meter	-88	0.01	Field Crew	
MO-SPA	2017/18-1	Wet	1/8/2018 4:00:00 PM	1/8/2018 4:00:00 PM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	
MO-SPA	2017/18-1	Wet	1/8/2018 4:00:00 PM	1/8/2018 4:00:00 PM	Specific Conductance	n/a	=	198.3	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SPA	2017/18-1	Wet	1/8/2018 4:00:00 PM	1/8/2018 4:00:00 PM	Temperature	n/a	=	15.6	°C	Field Meter	-88	0.1	Field Crew	
MO-SPA	2017/18-1	Wet	1/8/2018 4:00:00 PM	1/18/2018 10:01:00 AM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
MO-SPA	2017/18-1	Wet	1/8/2018 4:00:00 PM	1/19/2018 5:44:00 PM	Oil and Grease	n/a	DNQ	4.1	mg/L	EPA 1664A	1.3	5	WKL	
MO-SPA	2017/18-1	Wet	1/8/2018 4:00:00 PM	1/12/2018 4:10:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-SPA	2017/18-1	Wet	1/8/2018 4:00:00 PM	1/12/2018 4:10:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/15/2018 1:00:00 PM	Chloride	n/a	=	12	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/15/2018 1:00:00 PM	Fluoride	n/a	=	0.12	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/20/2018 11:39:00 AM	Perchlorate	n/a	<	4.8	µg/L	EPA 314.0	4.8	10	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/15/2018 1:00:00 PM	Sulfate	Total	=	49	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/16/2018 8:22:00 PM	Calcium	Total	=	26	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/16/2018 8:22:00 PM	Magnesium	Total	=	6.68	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/17/2018 1:48:00 PM	Potassium	Total	=	7.9	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/16/2018 8:22:00 PM	Sodium	Total	=	15	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/15/2018 1:41:00 PM	Alkalinity as CaCO3	n/a	=	57	mg/L	SM 2320 B	0.56	2	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/16/2018 1:28:00 PM	BOD	n/a	=	24	mg/L	SM 5210 B	2	2	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/19/2018 6:24:00 PM	COD	n/a	=	180	mg/L	EPA 410.4	0.73	5	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/22/2018 4:21:00 PM	Dissolved Inorganic Carbon	Dissolved	=	13	mg/L	SM 5310 B	0.5	0.5	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/15/2018 12:47:00 PM	Dissolved Organic Carbon	Dissolved	=	29	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/16/2018 8:22:00 PM	Hardness as CaCO3	Total	=	92.5	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/10/2018 11:03:00 PM	MBAS	n/a	=	0.3	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/19/2018 10:16:00 AM	Phenolics	n/a	=	0.049	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/15/2018 5:11:00 PM	Specific Conductance	n/a	=	270	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/15/2018 7:29:00 PM	Total Dissolved Solids	n/a	=	180	mg/L	SM 2540 C	4	10	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/11/2018 10:27:00 AM	Total Organic Carbon	n/a	=	32	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/12/2018 1:05:00 PM	Total Suspended Solids	n/a	=	280	mg/L	SM 2540 D	-88	5	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/10/2018 4:17:00 PM	Turbidity	n/a	=	58	NTU	EPA 180.1	0.24	1	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/12/2018 1:05:00 PM	Volatile Suspended Solids	n/a	=	81	mg/L	EPA 160.4	3.1	5	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/25/2018 1:17:00 PM	Diesel Range Organics	n/a	=	1.8	mg/L	EPA 8015D	0.048	0.2	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/25/2018 1:17:00 PM	Oil Range Organics	n/a	=	2	mg/L	EPA 8015D	0.66	1	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/24/2018 10:18:00 PM	Aluminum	Dissolved	=	30	µg/L	EPA 200.8	1.3	5	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/24/2018 10:26:00 PM	Aluminum	Total	=	3600	µg/L	EPA 200.8	1.3	5	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/24/2018 10:18:00 PM	Antimony	Dissolved	=	0.78	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/24/2018 10:26:00 PM	Antimony	Total	=	1.8	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/24/2018 10:18:00 PM	Arsenic	Dissolved	=	1.3	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/24/2018 10:26:00 PM	Arsenic	Total	=	3.4	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/24/2018 10:26:00 PM	Barium	Total	=	85	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/24/2018 10:18:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/24/2018 10:26:00 PM	Beryllium	Total	=	0.13	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/24/2018 10:18:00 PM	Cadmium	Dissolved	=	0.14	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/24/2018 10:26:00 PM	Cadmium	Total	=	0.59	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/24/2018 10:18:00 PM	Chromium	Dissolved	=	1.4	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/24/2018 10:26:00 PM	Chromium	Total	=	8.1	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/12/2018 8:26:00 PM	Chromium VI	n/a	=	1.2	µg/L	EPA 218.6	0.024	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/24/2018 10:18:00 PM	Copper	Dissolved	=	15	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/24/2018 10:26:00 PM	Copper	Total	=	36	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/16/2018 7:50:00 PM	Iron	Dissolved	=	74	µg/L	EPA 200.7	1.1	10	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/16/2018 8:22:00 PM	Iron	Total	=	5800	µg/L	EPA 200.7	1.1	10	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/24/2018 10:18:00 PM	Lead	Dissolved	=	0.98	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/24/2018 10:26:00 PM	Lead	Total	=	22	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/23/2018 2:11:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/23/2018 2:09:00 PM	Mercury	Total	DNQ	20	ng/L	EPA 245.1	17	50	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/24/2018 10:18:00 PM	Nickel	Dissolved	=	4.3	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/24/2018 10:26:00 PM	Nickel	Total	=	11	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/24/2018 10:18:00 PM	Selenium	Dissolved	=	0.42	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/24/2018 10:26:00 PM	Selenium	Total	=	0.59	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/24/2018 10:18:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/24/2018 10:26:00 PM	Silver	Total	DNQ	0.08	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/24/2018 10:18:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/24/2018 10:26:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/24/2018 10:18:00 PM	Zinc	Dissolved	=	61	µg/L	EPA 200.8	0.94	5	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/24/2018 10:26:00 PM	Zinc	Total	=	200	µg/L	EPA 200.8	0.94	5	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/19/2018 4:44:00 PM	Ammonia as N	n/a	=	0.54	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/15/2018 12:16:00 PM	Nitrate + Nitrite as N	n/a	=	0.9	mg/L	EPA 353.2	0.083	0.2	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/15/2018 7:00:00 PM	Phosphorus as P	Dissolved	=	0.35	mg/L	EPA 365.1	0.007	0.05	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/16/2018 11:49:00 AM	Phosphorus as P	Total	=	0.9	mg/L	EPA 365.1	0.007	0.05	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/26/2018 5:19:00 PM	TKN	n/a	=	3.5	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/15/2018 7:58:00 PM	1,2,4-Trichlorobenzene	n/a	<	5.5	µg/L	EPA 625	5.5	10	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/15/2018 7:58:00 PM	1,2-Dichlorobenzene	n/a	<	5.7	µg/L	EPA 625	5.7	10	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/15/2018 7:58:00 PM	1,2-Diphenylhydrazine	n/a	<	2.5	µg/L	EPA 625	2.5	10	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/15/2018 7:58:00 PM	1,3-Dichlorobenzene	n/a	<	5.3	µg/L	EPA 625	5.3	10	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/15/2018 7:58:00 PM	1,4-Dichlorobenzene	n/a	<	5.5	µg/L	EPA 625	5.5	10	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	2/1/2018 9:42:00 PM	1-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/29/2018 4:14:00 PM	2,4,5-Trichlorophenol	n/a	<	2.9	µg/L	EPA 8270C	2.9	10	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/29/2018 4:14:00 PM	2,4,6-Trichlorophenol	n/a	<	3	µg/L	EPA 8270C	3	10	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/15/2018 7:58:00 PM	2,4,6-Trichlorophenol	n/a	<	2.2	µg/L	EPA 625	2.2	10	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/15/2018 7:58:00 PM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 625	2.6	10	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/29/2018 4:14:00 PM	2,4-Dichlorophenol	n/a	<	5.1	µg/L	EPA 8270C	5.1	10	WKL	EST-LCSRPD
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/15/2018 7:58:00 PM	2,4-Dimethylphenol	n/a	<	3	µg/L	EPA 625	3	10	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/29/2018 4:14:00 PM	2,4-Dimethylphenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	EST-LCSRPD
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/15/2018 7:58:00 PM	2,4-Dinitrophenol	n/a	<	16	µg/L	EPA 625	16	100	WKL	EST-LCSRPD
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/29/2018 4:14:00 PM	2,4-Dinitrophenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/15/2018 7:58:00 PM	2,4-Dinitrotoluene	n/a	<	1.8	µg/L	EPA 625	1.8	10	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/15/2018 7:58:00 PM	2,6-Dinitrotoluene	n/a	<	2.7	µg/L	EPA 625	2.7	10	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/15/2018 7:58:00 PM	2-Chloronaphthalene	n/a	<	4.5	µg/L	EPA 625	4.5	10	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/29/2018 4:14:00 PM	2-Chlorophenol	n/a	<	6.5	µg/L	EPA 8270C	6.5	10	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/15/2018 7:58:00 PM	2-Chlorophenol	n/a	<	2.8	µg/L	EPA 625	2.8	10	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	2/1/2018 9:42:00 PM	2-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/29/2018 4:14:00 PM	2-Methylphenol	n/a	<	3.4	µg/L	EPA 8270C	3.4	10	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/29/2018 4:14:00 PM	2-Nitrophenol	n/a	<	7.1	µg/L	EPA 8270C	7.1	10	WKL	EST-LCSRPD
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/15/2018 7:58:00 PM	2-Nitrophenol	n/a	<	2.6	µg/L	EPA 625	2.6	10	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/15/2018 7:58:00 PM	3,3'-Dichlorobenzidine	n/a	<	12	µg/L	EPA 625	12	50	WKL	EST-LCSRPD

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/29/2018 4:14:00 PM	3-/4-Methylphenol	n/a	<	3	µg/L	EPA 8270C	3	10	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/15/2018 7:58:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	17	µg/L	EPA 625	17	50	WKL	EST-LCSRDP
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/29/2018 4:14:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	10	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/15/2018 7:58:00 PM	4-Bromophenyl phenyl ether	n/a	<	3.6	µg/L	EPA 625	3.6	10	WKL	EST-LCSRDP
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/15/2018 7:58:00 PM	4-Chloro-3-methylphenol	n/a	<	2.3	µg/L	EPA 625	2.3	10	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/29/2018 4:14:00 PM	4-Chloro-3-methylphenol	n/a	<	3.7	µg/L	EPA 8270C	3.7	10	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/15/2018 7:58:00 PM	4-Chlorophenyl phenyl ether	n/a	<	4.1	µg/L	EPA 625	4.1	10	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/29/2018 4:14:00 PM	4-Nitrophenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/15/2018 7:58:00 PM	4-Nitrophenol	n/a	<	4.5	µg/L	EPA 625	4.5	50	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	2/1/2018 9:42:00 PM	Acenaphthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/15/2018 7:58:00 PM	Acenaphthene	n/a	<	3.8	µg/L	EPA 625	3.8	10	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/15/2018 7:58:00 PM	Acenaphthylene	n/a	<	4	µg/L	EPA 625	4	10	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	2/1/2018 9:42:00 PM	Acenaphthylene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/15/2018 7:58:00 PM	Anthracene	n/a	<	3.4	µg/L	EPA 625	3.4	10	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	2/1/2018 9:42:00 PM	Anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	2/1/2018 9:42:00 PM	Benz(a)anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/15/2018 7:58:00 PM	Benz(a)anthracene	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	EST-LCSRDP
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/15/2018 7:58:00 PM	Benzidine	n/a	<	37	µg/L	EPA 625	37	100	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/15/2018 7:58:00 PM	Benzo(a)pyrene	n/a	<	1.3	µg/L	EPA 625	1.3	10	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/23/2018 11:28:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	2/1/2018 9:42:00 PM	Benzo(a)pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/15/2018 7:58:00 PM	Benzo(b)fluoranthene	n/a	<	1.4	µg/L	EPA 625	1.4	10	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	2/1/2018 9:42:00 PM	Benzo(b)fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	2/1/2018 9:42:00 PM	Benzo(g,h,i)perylene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/15/2018 7:58:00 PM	Benzo(g,h,i)perylene	n/a	<	1	µg/L	EPA 625	1	20	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	2/1/2018 9:42:00 PM	Benzo(k)fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/15/2018 7:58:00 PM	Benzo(k)fluoranthene	n/a	<	2.2	µg/L	EPA 625	2.2	10	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/15/2018 7:58:00 PM	Bis(2-chloroethoxy)methane	n/a	<	2.5	µg/L	EPA 625	2.5	10	WKL	EST-LCSRDP
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/15/2018 7:58:00 PM	Bis(2-chloroethyl)ether	n/a	<	2.7	µg/L	EPA 625	2.7	10	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/15/2018 7:58:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	3.8	µg/L	EPA 625	3.8	10	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/23/2018 11:28:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/15/2018 7:58:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	23	µg/L	EPA 625	23	50	WKL	EST-LCSRDP
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/25/2018 7:09:00 PM	Bis(2-ethylhexyl)phthalate	n/a	=	3.5	µg/L	EPA 525.2	1.1	3	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/15/2018 7:58:00 PM	Butyl benzyl phthalate	n/a	<	1.8	µg/L	EPA 625	1.8	10	WKL	EST-LCSRDP
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	2/1/2018 9:42:00 PM	Chrysene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/15/2018 7:58:00 PM	Chrysene	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/15/2018 7:58:00 PM	Dibenz(a,h)anthracene	n/a	<	0.8	µg/L	EPA 625	0.8	20	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	2/1/2018 9:42:00 PM	Dibenz(a,h)anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/15/2018 7:58:00 PM	Diethyl phthalate	n/a	<	1.5	µg/L	EPA 625	1.5	10	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/15/2018 7:58:00 PM	Dimethyl phthalate	n/a	<	1.8	µg/L	EPA 625	1.8	10	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/15/2018 7:58:00 PM	Di-n-butylphthalate	n/a	<	2.4	µg/L	EPA 625	2.4	10	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/15/2018 7:58:00 PM	Di-n-octylphthalate	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	2/1/2018 9:42:00 PM	Fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	EST-LCSRDP
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/15/2018 7:58:00 PM	Fluoranthene	n/a	<	2.2	µg/L	EPA 625	2.2	10	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/15/2018 7:58:00 PM	Fluorene	n/a	<	3.5	µg/L	EPA 625	3.5	10	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	2/1/2018 9:42:00 PM	Fluorene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/15/2018 7:58:00 PM	Hexachlorobenzene	n/a	<	4.9	µg/L	EPA 625	4.9	10	WKL	EST-LCSRDP
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/15/2018 7:58:00 PM	Hexachlorobutadiene	n/a	<	4.7	µg/L	EPA 625	4.7	10	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/15/2018 7:58:00 PM	Hexachlorocyclopentadiene	n/a	<	15	µg/L	EPA 625	15	50	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/15/2018 7:58:00 PM	Hexachloroethane	n/a	<	5.2	µg/L	EPA 625	5.2	10	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/15/2018 7:58:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	1.2	µg/L	EPA 625	1.2	20	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	2/1/2018 9:42:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/15/2018 7:58:00 PM	Isophorone	n/a	<	2.1	µg/L	EPA 625	2.1	10	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	2/1/2018 9:42:00 PM	Naphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/15/2018 7:58:00 PM	Naphthalene	n/a	<	4.9	µg/L	EPA 625	4.9	10	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/15/2018 7:58:00 PM	Nitrobenzene	n/a	<	3.6	µg/L	EPA 625	3.6	10	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/15/2018 7:58:00 PM	N-Nitrosodimethylamine	n/a	<	1.4	µg/L	EPA 625	1.4	10	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/15/2018 7:58:00 PM	N-Nitrosodi-N-propylamine	n/a	<	2.6	µg/L	EPA 625	2.6	10	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/15/2018 7:58:00 PM	N-Nitrosodiphenylamine	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	2/1/2018 9:42:00 PM	Phenanthrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/15/2018 7:58:00 PM	Phenanthrene	n/a	<	3.2	µg/L	EPA 625	3.2	10	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/29/2018 4:14:00 PM	Phenol	n/a	<	3.5	µg/L	EPA 8270C	3.5	10	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/15/2018 7:58:00 PM	Phenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	2/1/2018 9:42:00 PM	Pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/15/2018 7:58:00 PM	Pyrene	n/a	<	2.5	µg/L	EPA 625	2.5	10	WKL	EST-LCSRPD
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/23/2018 5:56:00 AM	PCB Aroclor 1016	n/a	<	0.5	µg/L	EPA 608	0.5	5	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/23/2018 5:56:00 AM	PCB Aroclor 1221	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/23/2018 5:56:00 AM	PCB Aroclor 1232	n/a	<	1.5	µg/L	EPA 608	1.5	5	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/23/2018 5:56:00 AM	PCB Aroclor 1242	n/a	<	0.7	µg/L	EPA 608	0.7	5	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/23/2018 5:56:00 AM	PCB Aroclor 1248	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/23/2018 5:56:00 AM	PCB Aroclor 1254	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/23/2018 5:56:00 AM	PCB Aroclor 1260	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/13/2018 12:06:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/13/2018 12:06:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/13/2018 12:06:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/13/2018 12:06:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/13/2018 12:06:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/23/2018 5:56:00 AM	4,4'-DDD	n/a	<	0.03	µg/L	EPA 608	0.03	0.5	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/23/2018 5:56:00 AM	4,4'-DDE	n/a	<	0.025	µg/L	EPA 608	0.025	0.5	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/23/2018 5:56:00 AM	4,4'-DDT	n/a	<	0.031	µg/L	EPA 608	0.031	0.1	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/13/2018 12:06:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/23/2018 11:28:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/23/2018 5:56:00 AM	Aldrin	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/23/2018 5:56:00 AM	alpha-BHC	n/a	<	0.018	µg/L	EPA 608	0.018	0.1	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/23/2018 5:56:00 AM	alpha-Chlordane	n/a	<	0.041	µg/L	EPA 608	0.041	0.1	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/23/2018 11:28:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	2/2/2018 10:42:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/13/2018 12:06:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/23/2018 5:56:00 AM	beta-BHC	n/a	<	0.031	µg/L	EPA 608	0.031	0.05	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	2/2/2018 10:42:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/23/2018 11:28:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/23/2018 11:28:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/23/2018 11:28:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/23/2018 5:56:00 PM	Chlordane (technical)	n/a	<	0.8	µg/L	EPA 608	0.8	1	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/23/2018 11:28:00 PM	Chloropropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	2/2/2018 10:42:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	2/2/2018 10:42:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/23/2018 11:28:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/13/2018 12:06:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/13/2018 12:06:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/23/2018 5:56:00 AM	delta-BHC	n/a	<	0.025	µg/L	EPA 608	0.025	0.05	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	2/2/2018 10:42:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	2/2/2018 10:42:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	2/2/2018 10:42:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/23/2018 11:28:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/13/2018 12:06:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/13/2018 12:06:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	2/2/2018 10:42:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/23/2018 5:56:00 AM	Dieldrin	n/a	<	0.021	µg/L	EPA 608	0.021	0.1	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/23/2018 11:28:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	2/6/2018 6:51:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/13/2018 12:06:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/23/2018 11:28:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/23/2018 11:28:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	2/2/2018 10:42:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/23/2018 5:56:00 AM	Endosulfan I	n/a	<	0.017	µg/L	EPA 608	0.017	0.2	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/23/2018 5:56:00 AM	Endosulfan II	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/23/2018 5:56:00 AM	Endosulfan sulfate	n/a	<	0.08	µg/L	EPA 608	0.08	0.5	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/23/2018 5:56:00 AM	Endrin	n/a	<	0.028	µg/L	EPA 608	0.028	0.1	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/23/2018 5:56:00 AM	Endrin aldehyde	n/a	<	0.03	µg/L	EPA 608	0.03	0.1	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/23/2018 11:28:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	2/2/2018 10:42:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	2/2/2018 10:42:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	2/2/2018 10:42:00 PM	Fensulfthion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	2/2/2018 10:42:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/23/2018 5:56:00 AM	gamma-BHC (Lindane)	n/a	<	0.021	µg/L	EPA 608	0.021	0.2	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/23/2018 5:56:00 AM	gamma-Chlordane	n/a	<	0.044	µg/L	EPA 608	0.044	0.1	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/10/2018 7:57:00 PM	Glyphosate	n/a	=	19	µg/L	EPA 547	3.6	10	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/23/2018 5:56:00 AM	Heptachlor	n/a	<	0.017	µg/L	EPA 608	0.017	0.1	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/23/2018 5:56:00 AM	Heptachlor epoxide	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	2/2/2018 10:42:00 PM	Malathion	n/a	=	0.046	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	2/2/2018 10:42:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/23/2018 5:56:00 AM	Methoxychlor	n/a	<	0.054	µg/L	EPA 608	0.054	0.2	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	2/2/2018 10:42:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/23/2018 11:28:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/23/2018 11:28:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	2/2/2018 10:42:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/23/2018 11:28:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	2/2/2018 10:42:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/15/2018 7:58:00 PM	Pentachlorophenol	n/a	DNQ	5.5	µg/L	EPA 625	1.9	10	WKL	EST-LCSRPD
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/13/2018 12:06:00 AM	Pentachlorophenol	n/a	=	0.66	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/29/2018 4:14:00 PM	Pentachlorophenol	n/a	DNQ	5	µg/L	EPA 8270C	1.5	10	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	2/2/2018 10:42:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/13/2018 12:06:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/23/2018 11:28:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	EST-LCSRPD
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/23/2018 11:28:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	2/2/2018 10:42:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/23/2018 11:28:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	2/2/2018 10:42:00 PM	Stirophos (Tetrachlorvinphos)	n/a	DNQ	0.0034	µg/L	EPA 525.2m	0.0031	0.01	WKL	LB-LCSR
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/23/2018 11:28:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/23/2018 11:28:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	2/2/2018 10:42:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/23/2018 5:56:00 AM	Toxaphene	n/a	<	1.2	µg/L	EPA 608	1.2	5	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	2/2/2018 10:42:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-SPA	2017/18-1	Wet	1/9/2018 2:30:00 PM	1/23/2018 11:28:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 4:35:00 AM	3/3/2018 7:00:00 AM	E. Coli	n/a	=	1250	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-SPA	2017/18-2	Wet	3/2/2018 4:35:00 AM	3/5/2018 12:00:00 PM	Fecal Coliform	n/a	=	1300	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-SPA	2017/18-2	Wet	3/2/2018 4:35:00 AM	3/3/2018 7:00:00 AM	Total Coliform	n/a	=	48840	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-SPA	2017/18-2	Wet	3/2/2018 4:35:00 AM	3/2/2018 4:35:00 AM	Conductivity	n/a	=	11.4	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SPA	2017/18-2	Wet	3/2/2018 4:35:00 AM	3/9/2018 4:06:00 PM	Cyanide	Total	DNQ	0.0017	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 4:35:00 AM	3/2/2018 4:35:00 AM	DO	n/a	=	97.8	%	Field Meter	-88	0.1	Field Crew	
MO-SPA	2017/18-2	Wet	3/2/2018 4:35:00 AM	3/2/2018 4:35:00 AM	DO	n/a	=	10.3	mg/L	Field Meter	-88	0.3	Field Crew	
MO-SPA	2017/18-2	Wet	3/2/2018 4:35:00 AM	3/2/2018 4:35:00 AM	pH	n/a	=	7.7	pH Units	Field Meter	-88	0.01	Field Crew	
MO-SPA	2017/18-2	Wet	3/2/2018 4:35:00 AM	3/2/2018 4:35:00 AM	Salinity	n/a	<	100	mg/L	Field Meter	-88	100	Field Crew	
MO-SPA	2017/18-2	Wet	3/2/2018 4:35:00 AM	3/2/2018 4:35:00 AM	Specific Conductance	n/a	=	14.3	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SPA	2017/18-2	Wet	3/2/2018 4:35:00 AM	3/2/2018 4:35:00 AM	Temperature	n/a	=	12.9	°C	Field Meter	-88	0.1	Field Crew	
MO-SPA	2017/18-2	Wet	3/2/2018 4:35:00 AM	3/5/2018 11:23:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 4:35:00 AM	3/13/2018 5:21:00 PM	Oil and Grease	n/a	DNQ	2.2	mg/L	EPA 1664A	1.3	5	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 4:35:00 AM	3/5/2018 7:14:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 4:35:00 AM	3/5/2018 7:14:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/15/2018 7:00:00 PM	Chloride	n/a	=	5.8	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/15/2018 7:00:00 PM	Fluoride	n/a	=	0.1	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/5/2018 12:10:00 AM	Perchlorate	n/a	<	2.8	µg/L	EPA 314.0	2.8	6	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/15/2018 7:00:00 PM	Sulfate	Total	=	26	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/14/2018 7:29:00 PM	Calcium	Total	=	18.2	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/14/2018 7:29:00 PM	Magnesium	Total	=	4.11	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/14/2018 7:29:00 PM	Potassium	Total	=	5.6	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/14/2018 7:29:00 PM	Sodium	Total	=	7.3	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/5/2018 3:47:00 PM	Alkalinity as CaCO3	n/a	=	40	mg/L	SM 2320 B	0.56	2	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/8/2018 12:25:00 PM	BOD	n/a	=	22	mg/L	SM 5210 B	2	2	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/9/2018 1:52:00 PM	COD	n/a	=	180	mg/L	EPA 410.4	0.73	5	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/13/2018 12:33:00 PM	Dissolved Inorganic Carbon	Dissolved	=	6.5	mg/L	SM 5310 B	0.5	0.5	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/9/2018 8:50:00 AM	Dissolved Organic Carbon	Dissolved	=	28	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/14/2018 7:29:00 PM	Hardness as CaCO3	Total	=	62.4	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/2/2018 7:30:00 PM	MBAS	n/a	=	0.33	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/15/2018 6:04:00 PM	Phenolics	n/a	=	0.076	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/7/2018 4:04:00 PM	Specific Conductance	n/a	=	160	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/8/2018 9:30:00 AM	Total Dissolved Solids	n/a	=	130	mg/L	SM 2540 C	4	10	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/7/2018 10:32:00 AM	Total Organic Carbon	n/a	=	30	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/8/2018 5:55:00 PM	Total Suspended Solids	n/a	=	220	mg/L	SM 2540 D	-88	5	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/2/2018 8:48:00 PM	Turbidity	n/a	=	61	NTU	EPA 180.1	0.096	0.4	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/8/2018 5:55:00 PM	Volatile Suspended Solids	n/a	=	44	mg/L	EPA 160.4	3.1	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/14/2018 3:13:00 PM	Diesel Range Organics	n/a	=	3.1	mg/L	EPA 8015D	0.048	0.2	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/14/2018 3:13:00 PM	Oil Range Organics	n/a	=	4.4	mg/L	EPA 8015D	0.66	1	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/21/2018 3:19:00 PM	Aluminum	Dissolved	=	32	µg/L	EPA 200.8	1.3	5	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/21/2018 4:14:00 PM	Aluminum	Total	=	3500	µg/L	EPA 200.8	1.3	5	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/14/2018 8:54:00 PM	Antimony	Dissolved	=	1	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/14/2018 9:01:00 PM	Antimony	Total	=	1.9	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/14/2018 8:54:00 PM	Arsenic	Dissolved	=	1	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/14/2018 9:01:00 PM	Arsenic	Total	=	2.3	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/14/2018 9:01:00 PM	Barium	Total	=	86	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/15/2018 12:25:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/15/2018 12:28:00 PM	Beryllium	Total	=	0.15	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/14/2018 8:54:00 PM	Cadmium	Dissolved	DNQ	0.08	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/14/2018 9:01:00 PM	Cadmium	Total	=	0.5	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/21/2018 3:19:00 PM	Chromium	Dissolved	=	1.6	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/21/2018 4:14:00 PM	Chromium	Total	=	8.1	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/9/2018 4:02:00 PM	Chromium VI	n/a	=	0.67	µg/L	EPA 218.6	0.024	0.1	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/14/2018 8:54:00 PM	Copper	Dissolved	=	12	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/14/2018 9:01:00 PM	Copper	Total	=	38	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/15/2018 12:27:00 PM	Iron	Dissolved	=	71	µg/L	EPA 200.7	1.1	10	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/14/2018 7:29:00 PM	Iron	Total	=	5500	µg/L	EPA 200.7	1.1	10	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/14/2018 8:54:00 PM	Lead	Dissolved	=	0.58	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/14/2018 9:01:00 PM	Lead	Total	=	19	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/14/2018 2:13:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/14/2018 2:15:00 PM	Mercury	Total	DNQ	30	ng/L	EPA 245.1	17	50	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/21/2018 3:19:00 PM	Nickel	Dissolved	=	4.1	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/21/2018 4:14:00 PM	Nickel	Total	=	11	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/14/2018 8:54:00 PM	Selenium	Dissolved	DNQ	0.33	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/14/2018 9:01:00 PM	Selenium	Total	=	0.57	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/14/2018 8:54:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/14/2018 9:01:00 PM	Silver	Total	DNQ	0.07	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/14/2018 8:54:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/14/2018 9:01:00 PM	Thallium	Total	DNQ	0.03	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/14/2018 8:54:00 PM	Zinc	Dissolved	=	100	µg/L	EPA 200.8	0.94	5	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/14/2018 9:01:00 PM	Zinc	Total	=	260	µg/L	EPA 200.8	0.94	5	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/6/2018 6:32:00 PM	Ammonia as N	n/a	=	0.7	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/5/2018 10:41:00 AM	Nitrate + Nitrite as N	n/a	=	0.99	mg/L	EPA 353.2	0.083	0.2	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/19/2018 12:26:00 PM	Phosphorus as P	Dissolved	=	0.46	mg/L	EPA 365.1	0.0056	0.04	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/8/2018 4:06:00 PM	Phosphorus as P	Total	=	0.76	mg/L	EPA 365.1	0.014	0.1	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/13/2018 5:46:00 PM	TKN	n/a	=	3.9	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/13/2018 2:33:00 AM	1,2,4-Trichlorobenzene	n/a	<	5.5	µg/L	EPA 625	5.5	10	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/13/2018 2:33:00 AM	1,2-Dichlorobenzene	n/a	<	5.7	µg/L	EPA 625	5.7	10	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/13/2018 2:33:00 AM	1,2-Diphenylhydrazine	n/a	<	2.5	µg/L	EPA 625	2.5	10	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/13/2018 2:33:00 AM	1,3-Dichlorobenzene	n/a	<	5.3	µg/L	EPA 625	5.3	10	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/13/2018 2:33:00 AM	1,4-Dichlorobenzene	n/a	<	5.5	µg/L	EPA 625	5.5	10	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/20/2018 3:44:00 AM	1-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/26/2018 1:26:00 PM	2,4,5-Trichlorophenol	n/a	<	2.9	µg/L	EPA 8270C	2.9	10	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/13/2018 2:33:00 AM	2,4,6-Trichlorophenol	n/a	<	2.2	µg/L	EPA 625	2.2	10	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/26/2018 1:26:00 PM	2,4,6-Trichlorophenol	n/a	<	3	µg/L	EPA 8270C	3	10	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/13/2018 2:33:00 AM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 625	2.6	10	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/26/2018 1:26:00 PM	2,4-Dichlorophenol	n/a	<	5.1	µg/L	EPA 8270C	5.1	10	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/13/2018 2:33:00 AM	2,4-Dimethylphenol	n/a	<	3	µg/L	EPA 625	3	10	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/26/2018 1:26:00 PM	2,4-Dimethylphenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	-LCSRPD, LB-L
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/13/2018 2:33:00 AM	2,4-Dinitrophenol	n/a	<	16	µg/L	EPA 625	16	100	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/26/2018 1:26:00 PM	2,4-Dinitrophenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/13/2018 2:33:00 AM	2,4-Dinitrotoluene	n/a	<	1.8	µg/L	EPA 625	1.8	10	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/13/2018 2:33:00 AM	2,6-Dinitrotoluene	n/a	<	2.7	µg/L	EPA 625	2.7	10	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/13/2018 2:33:00 AM	2-Chloronaphthalene	n/a	<	4.5	µg/L	EPA 625	4.5	10	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/13/2018 2:33:00 AM	2-Chlorophenol	n/a	<	2.8	µg/L	EPA 625	2.8	10	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/26/2018 1:26:00 PM	2-Chlorophenol	n/a	<	6.5	µg/L	EPA 8270C	6.5	10	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/20/2018 3:44:00 AM	2-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/26/2018 1:26:00 PM	2-Methylphenol	n/a	<	3.4	µg/L	EPA 8270C	3.4	10	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/26/2018 1:26:00 PM	2-Nitrophenol	n/a	<	7.1	µg/L	EPA 8270C	7.1	10	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/13/2018 2:33:00 AM	2-Nitrophenol	n/a	<	2.6	µg/L	EPA 625	2.6	10	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/13/2018 2:33:00 AM	3,3'-Dichlorobenzidine	n/a	<	12	µg/L	EPA 625	12	50	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/26/2018 1:26:00 PM	3-/4-Methylphenol	n/a	<	3	µg/L	EPA 8270C	3	10	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/13/2018 2:33:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	17	µg/L	EPA 625	17	50	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/26/2018 1:26:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	10	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/13/2018 2:33:00 AM	4-Bromophenyl phenyl ether	n/a	<	3.6	µg/L	EPA 625	3.6	10	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/26/2018 1:26:00 PM	4-Chloro-3-methylphenol	n/a	<	3.7	µg/L	EPA 8270C	3.7	10	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/13/2018 2:33:00 AM	4-Chloro-3-methylphenol	n/a	<	2.3	µg/L	EPA 625	2.3	10	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/13/2018 2:33:00 AM	4-Chlorophenyl phenyl ether	n/a	<	4.1	µg/L	EPA 625	4.1	10	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/26/2018 1:26:00 PM	4-Nitrophenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/13/2018 2:33:00 AM	4-Nitrophenol	n/a	<	4.5	µg/L	EPA 625	4.5	50	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/13/2018 2:33:00 AM	Acenaphthene	n/a	<	3.8	µg/L	EPA 625	3.8	10	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/20/2018 3:44:00 AM	Acenaphthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/13/2018 2:33:00 AM	Acenaphthylene	n/a	<	4	µg/L	EPA 625	4	10	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/20/2018 3:44:00 AM	Acenaphthylene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/13/2018 2:33:00 AM	Anthracene	n/a	<	3.4	µg/L	EPA 625	3.4	10	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/20/2018 3:44:00 AM	Anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/20/2018 3:44:00 AM	Benz(a)anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/13/2018 2:33:00 AM	Benz(a)anthracene	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/13/2018 2:33:00 AM	Benzidine	n/a	<	37	µg/L	EPA 625	37	100	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/13/2018 2:33:00 AM	Benzo(a)pyrene	n/a	<	1.3	µg/L	EPA 625	1.3	10	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/19/2018 11:13:00 PM	Benzo(a)pyrene	n/a	<	0.35	µg/L	EPA 525.2	0.35	0.5	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/20/2018 3:44:00 AM	Benzo(a)pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/13/2018 2:33:00 AM	Benzo(b)fluoranthene	n/a	<	1.4	µg/L	EPA 625	1.4	10	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/20/2018 3:44:00 AM	Benzo(b)fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/13/2018 2:33:00 AM	Benzo(g,h,i)perylene	n/a	<	1	µg/L	EPA 625	1	20	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/20/2018 3:44:00 AM	Benzo(g,h,i)perylene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/20/2018 3:44:00 AM	Benzo(k)fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/13/2018 2:33:00 AM	Benzo(k)fluoranthene	n/a	<	2.2	µg/L	EPA 625	2.2	10	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/13/2018 2:33:00 AM	Bis(2-chloroethoxy)methane	n/a	<	2.5	µg/L	EPA 625	2.5	10	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/13/2018 2:33:00 AM	Bis(2-chloroethyl)ether	n/a	<	2.7	µg/L	EPA 625	2.7	10	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/13/2018 2:33:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	3.8	µg/L	EPA 625	3.8	10	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/19/2018 11:13:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.52	µg/L	EPA 525.2	0.52	25	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/19/2018 11:13:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	5.3	µg/L	EPA 525.2	5.3	15	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/13/2018 2:33:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	23	µg/L	EPA 625	23	50	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/13/2018 2:33:00 AM	Butyl benzyl phthalate	n/a	<	1.8	µg/L	EPA 625	1.8	10	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/20/2018 3:44:00 AM	Chrysene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/13/2018 2:33:00 AM	Chrysene	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/13/2018 2:33:00 AM	Dibenz(a,h)anthracene	n/a	<	0.8	µg/L	EPA 625	0.8	20	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/20/2018 3:44:00 AM	Dibenz(a,h)anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/13/2018 2:33:00 AM	Diethyl phthalate	n/a	<	1.5	µg/L	EPA 625	1.5	10	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/13/2018 2:33:00 AM	Dimethyl phthalate	n/a	<	1.8	µg/L	EPA 625	1.8	10	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/13/2018 2:33:00 AM	Di-n-butylphthalate	n/a	<	2.4	µg/L	EPA 625	2.4	10	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/13/2018 2:33:00 AM	Di-n-octylphthalate	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/13/2018 2:33:00 AM	Fluoranthene	n/a	<	2.2	µg/L	EPA 625	2.2	10	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/20/2018 3:44:00 AM	Fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/13/2018 2:33:00 AM	Fluorene	n/a	<	3.5	µg/L	EPA 625	3.5	10	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/20/2018 3:44:00 AM	Fluorene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/13/2018 2:33:00 AM	Hexachlorobenzene	n/a	<	4.9	µg/L	EPA 625	4.9	10	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/13/2018 2:33:00 AM	Hexachlorobutadiene	n/a	<	4.7	µg/L	EPA 625	4.7	10	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/13/2018 2:33:00 AM	Hexachlorocyclopentadiene	n/a	<	15	µg/L	EPA 625	15	50	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/13/2018 2:33:00 AM	Hexachloroethane	n/a	<	5.2	µg/L	EPA 625	5.2	10	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/20/2018 3:44:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/13/2018 2:33:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	1.2	µg/L	EPA 625	1.2	20	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/13/2018 2:33:00 AM	Isophorone	n/a	<	2.1	µg/L	EPA 625	2.1	10	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/13/2018 2:33:00 AM	Naphthalene	n/a	<	4.9	µg/L	EPA 625	4.9	10	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/20/2018 3:44:00 AM	Naphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/13/2018 2:33:00 AM	Nitrobenzene	n/a	<	3.6	µg/L	EPA 625	3.6	10	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/13/2018 2:33:00 AM	N-Nitrosodimethylamine	n/a	<	1.4	µg/L	EPA 625	1.4	10	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/13/2018 2:33:00 AM	N-Nitrosodi-N-propylamine	n/a	<	2.6	µg/L	EPA 625	2.6	10	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/13/2018 2:33:00 AM	N-Nitrosodiphenylamine	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/13/2018 2:33:00 AM	Phenanthrene	n/a	<	3.2	µg/L	EPA 625	3.2	10	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/20/2018 3:44:00 AM	Phenanthrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/13/2018 2:33:00 AM	Phenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/26/2018 1:26:00 PM	Phenol	n/a	<	3.5	µg/L	EPA 8270C	3.5	10	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/13/2018 2:33:00 AM	Pyrene	n/a	<	2.5	µg/L	EPA 625	2.5	10	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/20/2018 3:44:00 AM	Pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/19/2018 11:46:00 PM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/19/2018 11:46:00 PM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/19/2018 11:46:00 PM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/19/2018 11:46:00 PM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/19/2018 11:46:00 PM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/19/2018 11:46:00 PM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/19/2018 11:46:00 PM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/13/2018 8:29:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/13/2018 8:29:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/13/2018 8:29:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/13/2018 8:29:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/13/2018 8:29:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/19/2018 11:46:00 PM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/19/2018 11:46:00 PM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/19/2018 11:46:00 PM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/13/2018 8:29:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/19/2018 11:13:00 PM	Alachlor	n/a	<	0.11	µg/L	EPA 525.2	0.11	0.5	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/19/2018 11:46:00 PM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/19/2018 11:46:00 PM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/19/2018 11:46:00 PM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/19/2018 11:13:00 PM	Atrazine	n/a	<	0.17	µg/L	EPA 525.2	0.17	0.5	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/15/2018 1:41:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/13/2018 8:29:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/19/2018 11:46:00 PM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/15/2018 1:41:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/19/2018 11:13:00 PM	Bromacil	n/a	<	0.19	µg/L	EPA 525.2	0.19	5	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/19/2018 11:13:00 PM	Butachlor	n/a	<	0.085	µg/L	EPA 525.2	0.085	1	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/19/2018 11:13:00 PM	Captan	n/a	<	4.3	µg/L	EPA 525.2	4.3	5	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/19/2018 11:46:00 PM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/19/2018 11:13:00 PM	Chlorpropham	n/a	<	0.05	µg/L	EPA 525.2	0.05	0.5	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/15/2018 1:41:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/15/2018 1:41:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/19/2018 11:13:00 PM	Cyanazine	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/13/2018 8:29:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/13/2018 8:29:00 AM	DCCA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/19/2018 11:46:00 PM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/15/2018 1:41:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/15/2018 1:41:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/15/2018 1:41:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/19/2018 11:13:00 PM	Diazinon	n/a	<	0.48	µg/L	EPA 525.2	0.48	0.5	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/13/2018 8:29:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/13/2018 8:29:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/15/2018 1:41:00 PM	Dichlorvos	n/a	DNQ	0.0064	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/19/2018 11:46:00 PM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/21/2018 2:24:00 AM	Dimethoate	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/15/2018 1:41:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/13/2018 8:29:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/19/2018 11:13:00 PM	Diphenamid	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/15/2018 1:41:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/19/2018 11:13:00 PM	Disulfoton	n/a	<	0.16	µg/L	EPA 525.2	0.16	0.5	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/19/2018 11:46:00 PM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/19/2018 11:46:00 PM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/19/2018 11:46:00 PM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/19/2018 11:46:00 PM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/19/2018 11:46:00 PM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/19/2018 11:13:00 PM	EPTC	n/a	<	0.085	µg/L	EPA 525.2	0.085	5	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/15/2018 1:41:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/15/2018 1:41:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/15/2018 1:41:00 PM	Fensulfthion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/15/2018 1:41:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/19/2018 11:46:00 PM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/19/2018 11:46:00 PM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/9/2018 5:34:00 PM	Glyphosate	n/a	=	20	µg/L	EPA 547	1.8	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/19/2018 11:46:00 PM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/19/2018 11:46:00 PM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/15/2018 1:41:00 PM	Malathion	n/a	DNQ	0.0095	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/15/2018 1:41:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/19/2018 11:46:00 PM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/15/2018 1:41:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/19/2018 11:13:00 PM	Metolachlor	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.5	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/19/2018 11:13:00 PM	Metribuzin	n/a	<	0.075	µg/L	EPA 525.2	0.075	0.5	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/15/2018 1:41:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/19/2018 11:13:00 PM	Molinate	n/a	<	0.2	µg/L	EPA 525.2	0.2	0.5	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/15/2018 1:41:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/26/2018 1:26:00 PM	Pentachlorophenol	n/a	DNQ	4.6	µg/L	EPA 8270C	1.5	10	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/13/2018 2:33:00 AM	Pentachlorophenol	n/a	DNQ	8.2	µg/L	EPA 625	1.9	10	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/13/2018 8:29:00 AM	Pentachlorophenol	n/a	=	0.36	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/15/2018 1:41:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/13/2018 8:29:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/19/2018 11:13:00 PM	Prometon	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/19/2018 11:13:00 PM	Prometryn	n/a	<	0.18	µg/L	EPA 525.2	0.18	0.5	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/15/2018 1:41:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/19/2018 11:13:00 PM	Simazine	n/a	<	0.075	µg/L	EPA 525.2	0.075	0.5	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/15/2018 1:41:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/19/2018 11:13:00 PM	Terbacil	n/a	<	2.8	µg/L	EPA 525.2	2.8	10	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/21/2018 2:24:00 AM	Thiobencarb	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/15/2018 1:41:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/19/2018 11:46:00 PM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/15/2018 1:41:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-SPA	2017/18-2	Wet	3/2/2018 5:20:00 AM	3/19/2018 11:13:00 PM	Trithion	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 4:35:00 PM	3/11/2018 11:34:00 PM	E. Coli	n/a	=	1541	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-SPA	2017/18-3	Wet	3/10/2018 4:35:00 PM	3/12/2018 11:00:00 PM	Fecal Coliform	n/a	=	3500	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-SPA	2017/18-3	Wet	3/10/2018 4:35:00 PM	3/11/2018 11:34:00 PM	Total Coliform	n/a	=	120330	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-SPA	2017/18-3	Wet	3/10/2018 4:35:00 PM	3/10/2018 4:35:00 PM	Conductivity	n/a	=	54.9	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SPA	2017/18-3	Wet	3/10/2018 4:35:00 PM	3/19/2018 4:29:00 PM	Cyanide	Total	DNQ	0.0005	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 4:35:00 PM	3/10/2018 4:35:00 PM	DO	n/a	=	9.55	mg/L	Field Meter	-88	0.3	Field Crew	
MO-SPA	2017/18-3	Wet	3/10/2018 4:35:00 PM	3/10/2018 4:35:00 PM	DO	n/a	=	100.8	%	Field Meter	-88	0.1	Field Crew	
MO-SPA	2017/18-3	Wet	3/10/2018 4:35:00 PM	3/10/2018 4:35:00 PM	pH	n/a	=	7.65	pH Units	Field Meter	-88	0.01	Field Crew	
MO-SPA	2017/18-3	Wet	3/10/2018 4:35:00 PM	3/10/2018 4:35:00 PM	Salinity	n/a	<	100	mg/L	Field Meter	-88	100	Field Crew	
MO-SPA	2017/18-3	Wet	3/10/2018 4:35:00 PM	3/10/2018 4:35:00 PM	Specific Conductance	n/a	=	65	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SPA	2017/18-3	Wet	3/10/2018 4:35:00 PM	3/10/2018 4:35:00 PM	Temperature	n/a	=	16.4	°C	Field Meter	-88	0.1	Field Crew	
MO-SPA	2017/18-3	Wet	3/10/2018 4:35:00 PM	3/14/2018 8:39:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 4:35:00 PM	3/27/2018 6:07:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 4:35:00 PM	3/13/2018 7:18:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 4:35:00 PM	3/13/2018 7:18:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/21/2018 2:00:00 PM	Chloride	n/a	=	3.5	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/21/2018 2:00:00 PM	Fluoride	n/a	DNQ	0.075	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/12/2018 9:50:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/21/2018 2:00:00 PM	Sulfate	Total	=	18	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/26/2018 3:38:00 PM	Calcium	Total	=	13.6	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/26/2018 3:38:00 PM	Magnesium	Total	=	3.01	mg/L	EPA 200.7	0.012	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/26/2018 3:38:00 PM	Potassium	Total	=	3.6	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/26/2018 3:38:00 PM	Sodium	Total	=	5.7	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/12/2018 1:51:00 PM	Alkalinity as CaCO ₃	n/a	=	32	mg/L	SM 2320 B	0.56	2	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/17/2018 6:25:00 PM	BOD	n/a	=	15	mg/L	SM 5210 B	2	2	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/19/2018 7:36:00 PM	COD	n/a	=	94	mg/L	EPA 410.4	0.73	5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/15/2018 1:47:00 PM	Dissolved Inorganic Carbon	Dissolved	=	5.9	mg/L	SM 5310 B	0.5	0.5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/19/2018 8:44:00 AM	Dissolved Organic Carbon	Dissolved	=	16	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/26/2018 3:38:00 PM	Hardness as CaCO ₃	Total	=	46.4	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/12/2018 4:40:00 PM	MBAS	n/a	=	0.3	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/29/2018 5:16:00 PM	Phenolics	n/a	=	0.055	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/14/2018 5:40:00 PM	Specific Conductance	n/a	=	120	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/14/2018 10:29:00 AM	Total Dissolved Solids	n/a	=	73	mg/L	SM 2540 C	4	10	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 10:17:00 AM	Total Organic Carbon	n/a	=	15	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/14/2018 1:40:00 PM	Total Suspended Solids	n/a	=	170	mg/L	SM 2540 D	-88	5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/12/2018 11:32:00 AM	Turbidity	n/a	=	48	NTU	EPA 180.1	0.096	0.4	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/14/2018 1:40:00 PM	Volatile Suspended Solids	n/a	=	49	mg/L	EPA 160.4	3.1	5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/20/2018 3:06:00 AM	Diesel Range Organics	n/a	=	1.6	mg/L	EPA 8015D	0.048	0.2	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/20/2018 3:06:00 AM	Oil Range Organics	n/a	=	2.5	mg/L	EPA 8015D	0.66	1	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	4/2/2018 6:28:00 PM	Aluminum	Dissolved	=	33	µg/L	EPA 200.8	1.3	5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	4/2/2018 6:32:00 PM	Aluminum	Total	=	2800	µg/L	EPA 200.8	1.3	5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/30/2018 8:48:00 PM	Antimony	Dissolved	=	1	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/30/2018 8:55:00 PM	Antimony	Total	=	1.8	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/30/2018 8:48:00 PM	Arsenic	Dissolved	=	0.84	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/30/2018 8:55:00 PM	Arsenic	Total	=	1.8	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/30/2018 8:55:00 PM	Barium	Total	=	63	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/30/2018 8:48:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/30/2018 8:55:00 PM	Beryllium	Total	=	0.11	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/30/2018 8:48:00 PM	Cadmium	Dissolved	=	0.1	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/30/2018 8:55:00 PM	Cadmium	Total	=	0.37	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/30/2018 8:48:00 PM	Chromium	Dissolved	=	1.5	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/30/2018 8:55:00 PM	Chromium	Total	=	7	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/15/2018 8:35:00 PM	Chromium VI	n/a	=	1.5	µg/L	EPA 218.6	0.024	0.1	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/30/2018 8:48:00 PM	Copper	Dissolved	=	12	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/30/2018 8:55:00 PM	Copper	Total	=	28	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/26/2018 3:26:00 PM	Iron	Dissolved	=	36	µg/L	EPA 200.7	1.1	10	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/26/2018 3:38:00 PM	Iron	Total	=	3800	µg/L	EPA 200.7	1.1	10	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/30/2018 8:48:00 PM	Lead	Dissolved	=	0.27	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/30/2018 8:55:00 PM	Lead	Total	=	12	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/23/2018 2:55:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/23/2018 2:57:00 PM	Mercury	Total	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/30/2018 8:48:00 PM	Nickel	Dissolved	=	2.6	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/30/2018 8:55:00 PM	Nickel	Total	=	7.7	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/30/2018 8:48:00 PM	Selenium	Dissolved	DNQ	0.26	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/30/2018 8:55:00 PM	Selenium	Total	=	0.4	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/30/2018 8:48:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/30/2018 8:55:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/30/2018 8:48:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/30/2018 8:55:00 PM	Thallium	Total	DNQ	0.04	µg/L	EPA 200.8	0.014	0.2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/30/2018 8:48:00 PM	Zinc	Dissolved	=	57	µg/L	EPA 200.8	0.94	5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/30/2018 8:55:00 PM	Zinc	Total	=	150	µg/L	EPA 200.8	0.94	5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/21/2018 8:47:00 PM	Ammonia as N	n/a	=	0.47	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/25/2018 10:31:00 AM	Nitrate + Nitrite as N	n/a	=	0.8	mg/L	EPA 353.2	0.083	0.2	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/27/2018 6:03:00 PM	Phosphorus as P	Dissolved	=	0.2	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/27/2018 3:14:00 PM	Phosphorus as P	Total	=	0.56	mg/L	EPA 365.1	0.007	0.05	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/23/2018 3:23:00 PM	TKN	n/a	=	2.2	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 7:43:00 AM	1,2,4-Trichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 7:43:00 AM	1,2-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 7:43:00 AM	1,2-Diphenylhydrazine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 7:43:00 AM	1,3-Dichlorobenzene	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 7:43:00 AM	1,4-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/27/2018 9:21:00 PM	1-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/23/2018 9:45:00 AM	2,4,5-Trichlorophenol	n/a	<	2.9	µg/L	EPA 8270C	2.9	10	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/23/2018 9:45:00 AM	2,4,6-Trichlorophenol	n/a	<	3	µg/L	EPA 8270C	3	10	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 7:43:00 AM	2,4,6-Trichlorophenol	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 7:43:00 AM	2,4-Dichlorophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/23/2018 9:45:00 AM	2,4-Dichlorophenol	n/a	<	5.1	µg/L	EPA 8270C	5.1	10	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/23/2018 9:45:00 AM	2,4-Dimethylphenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 7:43:00 AM	2,4-Dimethylphenol	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	EST-LCSRPD
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 7:43:00 AM	2,4-Dinitrophenol	n/a	<	7.9	µg/L	EPA 625	7.9	50	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/23/2018 9:45:00 AM	2,4-Dinitrophenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	EST-LCSRPD
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 7:43:00 AM	2,4-Dinitrotoluene	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 7:43:00 AM	2,6-Dinitrotoluene	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 7:43:00 AM	2-Chloronaphthalene	n/a	<	2.2	µg/L	EPA 625	2.2	5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/23/2018 9:45:00 AM	2-Chlorophenol	n/a	<	6.5	µg/L	EPA 8270C	6.5	10	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 7:43:00 AM	2-Chlorophenol	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/27/2018 9:21:00 PM	2-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/23/2018 9:45:00 AM	2-Methylphenol	n/a	<	3.4	µg/L	EPA 8270C	3.4	10	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/23/2018 9:45:00 AM	2-Nitrophenol	n/a	<	7.1	µg/L	EPA 8270C	7.1	10	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 7:43:00 AM	2-Nitrophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 7:43:00 AM	3,3'-Dichlorobenzidine	n/a	<	6	µg/L	EPA 625	6	25	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/23/2018 9:45:00 AM	3-/4-Methylphenol	n/a	<	3	µg/L	EPA 8270C	3	10	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 7:43:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	8.6	µg/L	EPA 625	8.6	25	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/23/2018 9:45:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	10	WKL	EST-LCSRPD
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 7:43:00 AM	4-Bromophenyl phenyl ether	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/23/2018 9:45:00 AM	4-Chloro-3-methylphenol	n/a	<	3.7	µg/L	EPA 8270C	3.7	10	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 7:43:00 AM	4-Chloro-3-methylphenol	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 7:43:00 AM	4-Chlorophenyl phenyl ether	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/23/2018 9:45:00 AM	4-Nitrophenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	EST-LCSRPD
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 7:43:00 AM	4-Nitrophenol	n/a	<	2.2	µg/L	EPA 625	2.2	25	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 7:43:00 AM	Acenaphthene	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/27/2018 9:21:00 PM	Acenaphthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/27/2018 9:21:00 PM	Acenaphthylene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 7:43:00 AM	Acenaphthylene	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/27/2018 9:21:00 PM	Anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 7:43:00 AM	Anthracene	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 7:43:00 AM	Benz(a)anthracene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/27/2018 9:21:00 PM	Benzo(a)anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 7:43:00 AM	Benzo(b)fluoranthene	n/a	<	18	µg/L	EPA 625	18	50	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 7:29:00 PM	Benzo(a)pyrene	n/a	<	0.35	µg/L	EPA 525.2	0.35	0.5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 7:43:00 AM	Benzo(a)pyrene	n/a	<	0.65	µg/L	EPA 625	0.65	5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/27/2018 9:21:00 PM	Benzo(a)pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 7:43:00 AM	Benzo(b)fluoranthene	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 9:21:00 PM	Benzo(b)fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 7:43:00 AM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 625	0.5	10	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/27/2018 9:21:00 PM	Benzo(g,h,i)perylene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/27/2018 9:21:00 PM	Benzo(k)fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 7:43:00 AM	Benzo(k)fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 7:43:00 AM	Bis(2-chloroethoxy)methane	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 7:43:00 AM	Bis(2-chloroethyl)ether	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 7:43:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 7:29:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.52	µg/L	EPA 525.2	0.52	25	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 7:43:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	12	µg/L	EPA 625	12	25	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 7:29:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	5.3	µg/L	EPA 525.2	5.3	15	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 7:43:00 AM	Butyl benzyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 7:43:00 AM	Chrysene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/27/2018 9:21:00 PM	Chrysene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/27/2018 9:21:00 PM	Dibenz(a,h)anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 7:43:00 AM	Dibenz(a,h)anthracene	n/a	<	0.4	µg/L	EPA 625	0.4	10	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 7:43:00 AM	Diethyl phthalate	n/a	<	0.75	µg/L	EPA 625	0.75	5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 7:43:00 AM	Dimethyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 7:43:00 AM	Di-n-butylphthalate	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 7:43:00 AM	Di-n-octylphthalate	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 7:43:00 AM	Fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/27/2018 9:21:00 PM	Fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 7:43:00 AM	Fluorene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/27/2018 9:21:00 PM	Fluorene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 7:43:00 AM	Hexachlorobenzene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 7:43:00 AM	Hexachlorobutadiene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 7:43:00 AM	Hexachlorocyclopentadiene	n/a	<	7.3	µg/L	EPA 625	7.3	25	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 7:43:00 AM	Hexachloroethane	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/27/2018 9:21:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 7:43:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.6	µg/L	EPA 625	0.6	10	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 7:43:00 AM	Isophorone	n/a	<	1	µg/L	EPA 625	1	5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/27/2018 9:21:00 PM	Naphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 7:43:00 AM	Naphthalene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 7:43:00 AM	Nitrobenzene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 7:43:00 AM	N-Nitrosodimethylamine	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 7:43:00 AM	N-Nitrosodi-N-propylamine	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 7:43:00 AM	N-Nitrosodiphenylamine	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/27/2018 9:21:00 PM	Phenanthrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 7:43:00 AM	Phenanthrene	n/a	<	1.6	µg/L	EPA 625	1.6	5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/23/2018 9:45:00 AM	Phenol	n/a	<	3.5	µg/L	EPA 8270C	3.5	10	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 7:43:00 AM	Phenol	n/a	<	0.8	µg/L	EPA 625	0.8	5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 7:43:00 AM	Pyrene	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/27/2018 9:21:00 PM	Pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/25/2018 4:29:00 AM	PCB Aroclor 1016	n/a	<	0.5	µg/L	EPA 608	0.5	5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/25/2018 4:29:00 AM	PCB Aroclor 1221	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/25/2018 4:29:00 AM	PCB Aroclor 1232	n/a	<	1.5	µg/L	EPA 608	1.5	5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/25/2018 4:29:00 AM	PCB Aroclor 1242	n/a	<	0.7	µg/L	EPA 608	0.7	5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/25/2018 4:29:00 AM	PCB Aroclor 1248	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/25/2018 4:29:00 AM	PCB Aroclor 1254	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/25/2018 4:29:00 AM	PCB Aroclor 1260	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/21/2018 11:04:00 PM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/21/2018 11:04:00 PM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/21/2018 11:04:00 PM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/21/2018 11:04:00 PM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/21/2018 11:04:00 PM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/25/2018 4:29:00 AM	4,4'-DDD	n/a	<	0.03	µg/L	EPA 608	0.03	0.5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/25/2018 4:29:00 AM	4,4'-DDE	n/a	<	0.025	µg/L	EPA 608	0.025	0.5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/25/2018 4:29:00 AM	4,4'-DDT	n/a	<	0.031	µg/L	EPA 608	0.031	0.1	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/21/2018 11:04:00 PM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 7:29:00 PM	Alachlor	n/a	<	0.11	µg/L	EPA 525.2	0.11	0.5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/25/2018 4:29:00 AM	Aldrin	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/25/2018 4:29:00 AM	alpha-BHC	n/a	<	0.018	µg/L	EPA 608	0.018	0.1	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/25/2018 4:29:00 AM	alpha-Chlordane	n/a	<	0.041	µg/L	EPA 608	0.041	0.1	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 7:29:00 PM	Atrazine	n/a	<	0.17	µg/L	EPA 525.2	0.17	0.5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/21/2018 9:13:00 PM	Azinphos methyl	n/a	<	0.028	µg/L	EPA 525.2m	0.028	0.05	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/21/2018 11:04:00 PM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/25/2018 4:29:00 AM	beta-BHC	n/a	<	0.031	µg/L	EPA 608	0.031	0.05	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/21/2018 9:13:00 PM	Bolstar	n/a	<	0.023	µg/L	EPA 525.2m	0.023	0.05	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 7:29:00 PM	Bromacil	n/a	<	0.19	µg/L	EPA 525.2	0.19	5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 7:29:00 PM	Butachlor	n/a	<	0.085	µg/L	EPA 525.2	0.085	1	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 7:29:00 PM	Captan	n/a	<	4.3	µg/L	EPA 525.2	4.3	5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/25/2018 4:29:00 AM	Chlordane (technical)	n/a	<	0.8	µg/L	EPA 608	0.8	1	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 7:29:00 PM	Chloroprotham	n/a	<	0.05	µg/L	EPA 525.2	0.05	0.5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/21/2018 9:13:00 PM	Chlorpyrifos	n/a	<	0.034	µg/L	EPA 525.2m	0.034	0.05	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/21/2018 9:13:00 PM	Coumaphos	n/a	<	0.026	µg/L	EPA 525.2m	0.026	0.05	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 7:29:00 PM	Cyanazine	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/21/2018 11:04:00 PM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/21/2018 11:04:00 PM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/25/2018 4:29:00 AM	delta-BHC	n/a	<	0.025	µg/L	EPA 608	0.025	0.05	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/21/2018 9:13:00 PM	Demeton-O	n/a	<	0.05	µg/L	EPA 525.2m	0.05	0.05	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/21/2018 9:13:00 PM	Demeton-S	n/a	<	0.05	µg/L	EPA 525.2m	0.05	0.05	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 7:29:00 PM	Diazinon	n/a	<	0.48	µg/L	EPA 525.2	0.48	0.5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/21/2018 9:13:00 PM	Diazinon	n/a	<	0.026	µg/L	EPA 525.2m	0.026	0.05	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/21/2018 11:04:00 PM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/21/2018 11:04:00 PM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/21/2018 9:13:00 PM	Dichlorvos	n/a	DNQ	0.024	µg/L	EPA 525.2m	0.014	0.05	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/25/2018 4:29:00 AM	Dieldrin	n/a	<	0.021	µg/L	EPA 608	0.021	0.1	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/21/2018 9:13:00 PM	Dimethoate	n/a	<	0.031	µg/L	EPA 525.2m	0.031	0.05	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 7:29:00 PM	Dimethoate	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/21/2018 11:04:00 PM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 7:29:00 PM	Diphenamid	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/21/2018 9:13:00 PM	Disulfoton	n/a	<	0.05	µg/L	EPA 525.2m	0.05	0.05	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 7:29:00 PM	Disulfoton	n/a	<	0.16	µg/L	EPA 525.2	0.16	0.5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/25/2018 4:29:00 AM	Endosulfan I	n/a	<	0.017	µg/L	EPA 608	0.017	0.2	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/25/2018 4:29:00 AM	Endosulfan II	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/25/2018 4:29:00 AM	Endosulfan sulfate	n/a	<	0.08	µg/L	EPA 608	0.08	0.5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/25/2018 4:29:00 AM	Endrin	n/a	<	0.028	µg/L	EPA 608	0.028	0.1	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/25/2018 4:29:00 AM	Endrin aldehyde	n/a	<	0.03	µg/L	EPA 608	0.03	0.1	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 7:29:00 PM	EPTC	n/a	<	0.085	µg/L	EPA 525.2	0.085	5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/21/2018 9:13:00 PM	Ethoprop	n/a	<	0.034	µg/L	EPA 525.2m	0.034	0.05	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/21/2018 9:13:00 PM	Ethyl parathion	n/a	<	0.027	µg/L	EPA 525.2m	0.027	0.05	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/21/2018 9:13:00 PM	Fensulfotiothion	n/a	<	0.014	µg/L	EPA 525.2m	0.014	0.05	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/21/2018 9:13:00 PM	Fenthion	n/a	<	0.019	µg/L	EPA 525.2m	0.019	0.05	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/25/2018 4:29:00 AM	gamma-BHC (Lindane)	n/a	<	0.021	µg/L	EPA 608	0.021	0.2	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/25/2018 4:29:00 AM	gamma-Chlordane	n/a	<	0.044	µg/L	EPA 608	0.044	0.1	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/23/2018 12:37:00 AM	Glyphosate	n/a	=	10	µg/L	EPA 547	1.8	5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/25/2018 4:29:00 AM	Heptachlor	n/a	<	0.017	µg/L	EPA 608	0.017	0.1	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/25/2018 4:29:00 AM	Heptachlor epoxide	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/21/2018 9:13:00 PM	Malathion	n/a	<	0.038	µg/L	EPA 525.2m	0.038	0.05	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/21/2018 9:13:00 PM	Merphos	n/a	<	0.029	µg/L	EPA 525.2m	0.029	0.05	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/25/2018 4:29:00 AM	Methoxychlor	n/a	<	0.054	µg/L	EPA 608	0.054	0.2	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/21/2018 9:13:00 PM	Methyl parathion	n/a	<	0.032	µg/L	EPA 525.2m	0.032	0.05	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 7:29:00 PM	Metolachlor	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 7:29:00 PM	Metribuzin	n/a	<	0.075	µg/L	EPA 525.2	0.075	0.5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/21/2018 9:13:00 PM	Mevinphos	n/a	<	0.021	µg/L	EPA 525.2m	0.021	0.05	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 7:29:00 PM	Molinate	n/a	<	0.2	µg/L	EPA 525.2	0.2	0.5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/21/2018 9:13:00 PM	Naled	n/a	<	0.038	µg/L	EPA 525.2m	0.038	0.05	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 7:43:00 AM	Pentachlorophenol	n/a	DNQ	4.2	µg/L	EPA 625	0.95	5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/23/2018 9:45:00 AM	Pentachlorophenol	n/a	DNQ	4.6	µg/L	EPA 8270C	1.5	10	WKL	EST-LCSRPD
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/21/2018 11:04:00 PM	Pentachlorophenol	n/a	=	0.36	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/21/2018 9:13:00 PM	Phorate	n/a	<	0.015	µg/L	EPA 525.2m	0.015	0.05	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/21/2018 11:04:00 PM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 7:29:00 PM	Prometon	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	EST-LCSRPD
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 7:29:00 PM	Prometryn	n/a	<	0.18	µg/L	EPA 525.2	0.18	0.5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/21/2018 9:13:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.02	µg/L	EPA 525.2m	0.02	0.05	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 7:29:00 PM	Simazine	n/a	<	0.075	µg/L	EPA 525.2	0.075	0.5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/21/2018 9:13:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.016	µg/L	EPA 525.2m	0.016	0.05	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 7:29:00 PM	Terbacil	n/a	<	2.8	µg/L	EPA 525.2	2.8	10	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 7:29:00 PM	Thiobencarb	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/21/2018 9:13:00 PM	Tokuthion	n/a	<	0.039	µg/L	EPA 525.2m	0.039	0.05	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/25/2018 4:29:00 AM	Toxaphene	n/a	<	1.2	µg/L	EPA 608	1.2	5	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/21/2018 9:13:00 PM	Trichloronate	n/a	<	0.034	µg/L	EPA 525.2m	0.034	0.05	WKL	
MO-SPA	2017/18-3	Wet	3/10/2018 5:25:00 PM	3/22/2018 7:29:00 PM	Trithion	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.5	WKL	
MO-THO	2017/18-1	Wet	1/8/2018 8:10:00 PM	1/9/2018 4:30:00 PM	E. Coli	n/a	=	10462	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-THO	2017/18-1	Wet	1/8/2018 8:10:00 PM	1/12/2018 2:30:00 PM	Fecal Coliform	n/a	=	35000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-THO	2017/18-1	Wet	1/8/2018 8:10:00 PM	1/9/2018 4:30:00 PM	Total Coliform	n/a	=	387300	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-THO	2017/18-1	Wet	1/8/2018 8:10:00 PM	1/8/2018 8:10:00 PM	Conductivity	n/a	=	548	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-THO	2017/18-1	Wet	1/8/2018 8:10:00 PM	1/16/2018 6:51:00 PM	Cyanide	Total	=	0.0064	mg/L	ASTM D7511	0.0005	0.002	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2017/18-1	Wet	1/8/2018 8:10:00 PM	1/8/2018 8:10:00 PM	DO	n/a	=	82.8	%	Field Meter	-88	0.1	Field Crew	
MO-THO	2017/18-1	Wet	1/8/2018 8:10:00 PM	1/8/2018 8:10:00 PM	DO	n/a	=	8.36	mg/L	Field Meter	-88	0.3	Field Crew	
MO-THO	2017/18-1	Wet	1/8/2018 8:10:00 PM	1/8/2018 8:10:00 PM	pH	n/a	=	7.87	pH Units	Field Meter	-88	0.01	Field Crew	
MO-THO	2017/18-1	Wet	1/8/2018 8:10:00 PM	1/8/2018 8:10:00 PM	Salinity	n/a	=	300	mg/L	Field Meter	-88	100	Field Crew	
MO-THO	2017/18-1	Wet	1/8/2018 8:10:00 PM	1/8/2018 8:10:00 PM	Specific Conductance	n/a	=	668	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-THO	2017/18-1	Wet	1/8/2018 8:10:00 PM	1/8/2018 8:10:00 PM	Temperature	n/a	=	15.4	°C	Field Meter	-88	0.1	Field Crew	
MO-THO	2017/18-1	Wet	1/8/2018 8:10:00 PM	1/18/2018 10:05:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
MO-THO	2017/18-1	Wet	1/8/2018 8:10:00 PM	1/19/2018 5:44:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-THO	2017/18-1	Wet	1/8/2018 8:10:00 PM	1/12/2018 7:58:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-THO	2017/18-1	Wet	1/8/2018 8:10:00 PM	1/12/2018 7:58:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/15/2018 1:00:00 PM	Chloride	n/a	=	76	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/15/2018 1:00:00 PM	Fluoride	n/a	=	0.17	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/17/2018 10:38:00 PM	Perchlorate	n/a	<	2.8	µg/L	EPA 314.0	2.8	6	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/15/2018 1:00:00 PM	Sulfate	Total	=	100	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/18/2018 11:28:00 AM	Calcium	Total	=	69.9	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/18/2018 11:28:00 AM	Magnesium	Total	=	36.8	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/18/2018 11:28:00 AM	Potassium	Total	=	7.7	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/18/2018 11:02:00 AM	Sodium	Total	=	46	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/15/2018 1:41:00 PM	Alkalinity as CaCO3	n/a	=	110	mg/L	SM 2320 B	0.56	2	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/16/2018 5:05:00 PM	BOD	n/a	=	110	mg/L	SM 5210 B	2	2	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/18/2018 12:35:00 PM	COD	n/a	=	200	mg/L	EPA 410.4	0.73	5	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/22/2018 4:21:00 PM	Dissolved Inorganic Carbon	Dissolved	=	21	mg/L	SM 5310 B	0.5	0.5	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/15/2018 12:47:00 PM	Dissolved Organic Carbon	Dissolved	=	22	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/18/2018 11:28:00 AM	Hardness as CaCO3	Total	=	326	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/11/2018 9:34:00 PM	MBAS	n/a	=	0.14	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/19/2018 11:02:00 AM	Phenolics	n/a	=	0.033	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/16/2018 1:51:00 PM	Specific Conductance	n/a	=	670	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/16/2018 8:53:00 PM	Total Dissolved Solids	n/a	=	430	mg/L	SM 2540 C	4	10	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/12/2018 8:49:00 AM	Total Organic Carbon	n/a	=	20	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/15/2018 1:45:00 PM	Total Suspended Solids	n/a	=	1400	mg/L	SM 2540 D	-88	5	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/11/2018 10:25:00 AM	Turbidity	n/a	=	44	NTU	EPA 180.1	0.048	0.2	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/15/2018 1:45:00 PM	Volatile Suspended Solids	n/a	=	200	mg/L	EPA 160.4	3.1	5	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 7:04:00 PM	Diesel Range Organics	n/a	=	0.54	mg/L	EPA 8015D	0.024	0.1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 7:04:00 PM	Oil Range Organics	n/a	=	1.1	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 12:26:00 PM	Aluminum	Dissolved	=	17	µg/L	EPA 200.8	1.3	5	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 12:30:00 PM	Aluminum	Total	=	15000	µg/L	EPA 200.8	1.3	5	WKL	HB-MSR
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 12:26:00 PM	Antimony	Dissolved	=	0.62	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 12:30:00 PM	Antimony	Total	=	0.82	µg/L	EPA 200.8	0.045	0.5	WKL	LB-MSR
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 12:26:00 PM	Arsenic	Dissolved	=	2.1	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 12:30:00 PM	Arsenic	Total	=	5.7	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 12:30:00 PM	Barium	Total	=	110	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 12:26:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 12:30:00 PM	Beryllium	Total	=	0.42	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 12:26:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 12:30:00 PM	Cadmium	Total	=	1.3	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 12:26:00 PM	Chromium	Dissolved	=	0.35	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 12:30:00 PM	Chromium	Total	=	42	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/21/2018 1:30:00 PM	Chromium VI	n/a	=	0.4	µg/L	EPA 218.6	0.0096	0.04	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 12:26:00 PM	Copper	Dissolved	=	3.4	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 12:30:00 PM	Copper	Total	=	44	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/18/2018 10:51:00 AM	Iron	Dissolved	=	96	µg/L	EPA 200.7	1.1	10	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/18/2018 11:28:00 AM	Iron	Total	=	21000	µg/L	EPA 200.7	1.1	10	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 12:26:00 PM	Lead	Dissolved	DNQ	0.14	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 12:30:00 PM	Lead	Total	=	11	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/18/2018 3:46:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/18/2018 3:48:00 PM	Mercury	Total	=	54	ng/L	EPA 245.1	17	50	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 12:26:00 PM	Nickel	Dissolved	=	3.8	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 12:30:00 PM	Nickel	Total	=	42	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 12:26:00 PM	Selenium	Dissolved	=	0.86	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 12:30:00 PM	Selenium	Total	=	2.1	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 12:26:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 12:30:00 PM	Silver	Total	DNQ	0.13	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 12:26:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 12:30:00 PM	Thallium	Total	DNQ	0.19	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 12:26:00 PM	Zinc	Dissolved	DNQ	4.7	µg/L	EPA 200.8	0.94	5	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 12:30:00 PM	Zinc	Total	=	160	µg/L	EPA 200.8	0.94	5	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/13/2018 8:03:00 PM	Ammonia as N	n/a	=	0.11	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/15/2018 12:29:00 PM	Nitrate + Nitrite as N	n/a	=	0.89	mg/L	EPA 353.2	0.083	0.2	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/15/2018 7:15:00 PM	Phosphorus as P	Dissolved	=	0.22	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/22/2018 3:56:00 PM	Phosphorus as P	Total	=	1.3	mg/L	EPA 365.1	0.014	0.1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/30/2018 5:21:00 PM	TKN	n/a	=	5.5	mg/L	EPA 351.2	0.1	0.2	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 11:05:00 PM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 11:05:00 PM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 11:05:00 PM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 11:05:00 PM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 11:05:00 PM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	2/2/2018 12:27:00 AM	1-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/29/2018 6:35:00 PM	2,4,5-Trichlorophenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	5	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 11:05:00 PM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/29/2018 6:35:00 PM	2,4,6-Trichlorophenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	EST-LCSRPD
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/29/2018 6:35:00 PM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 8270C	2.6	5	WKL	EST-LCSRPD
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 11:05:00 PM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/29/2018 6:35:00 PM	2,4-Dimethylphenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	EST-LCSRPD
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 11:05:00 PM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/29/2018 6:35:00 PM	2,4-Dinitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 11:05:00 PM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 11:05:00 PM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 11:05:00 PM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 11:05:00 PM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 11:05:00 PM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/29/2018 6:35:00 PM	2-Chlorophenol	n/a	<	3.2	µg/L	EPA 8270C	3.2	5	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	2/2/2018 12:27:00 AM	2-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/29/2018 6:35:00 PM	2-Methylphenol	n/a	<	1.7	µg/L	EPA 8270C	1.7	5	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 11:05:00 PM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/29/2018 6:35:00 PM	2-Nitrophenol	n/a	<	3.6	µg/L	EPA 8270C	3.6	5	WKL	EST-LCSRPD
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 11:05:00 PM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/29/2018 6:35:00 PM	3-/4-Methylphenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 11:05:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/29/2018 6:35:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.7	µg/L	EPA 8270C	0.7	5	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 11:05:00 PM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 11:05:00 PM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/29/2018 6:35:00 PM	4-Chloro-3-methylphenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 11:05:00 PM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 11:05:00 PM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/29/2018 6:35:00 PM	4-Nitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	2/2/2018 12:27:00 AM	Acenaphthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 11:05:00 PM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	2/2/2018 12:27:00 AM	Acenaphthylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 11:05:00 PM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 11:05:00 PM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	2/2/2018 12:27:00 AM	Anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 11:05:00 PM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	2/2/2018 12:27:00 AM	Benz(a)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 11:05:00 PM	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/23/2018 6:02:00 PM	Benzo(a)pyrene	n/a	<	0.7	µg/L	EPA 525.2	0.7	1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	2/2/2018 12:27:00 AM	Benzo(a)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 11:05:00 PM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 11:05:00 PM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	2/2/2018 12:27:00 AM	Benzo(b)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 11:05:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	2/2/2018 12:27:00 AM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 11:05:00 PM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	2/2/2018 12:27:00 AM	Benzo(k)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 11:05:00 PM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 11:05:00 PM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 11:05:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/23/2018 6:02:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	1	µg/L	EPA 525.2	1	50	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 11:05:00 PM	Bis(2-ethylhexyl)phthalate	n/a	=	20	µg/L	EPA 625	2.3	5	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/23/2018 6:02:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	11	µg/L	EPA 525.2	11	30	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 11:05:00 PM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	2/2/2018 12:27:00 AM	Chrysene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 11:05:00 PM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 11:05:00 PM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	2/2/2018 12:27:00 AM	Dibenz(a,h)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 11:05:00 PM	Diethyl phthalate	n/a	DNQ	0.18	µg/L	EPA 625	0.15	1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 11:05:00 PM	Dimethyl phthalate	n/a	=	9	µg/L	EPA 625	0.18	1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 11:05:00 PM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 11:05:00 PM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 11:05:00 PM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	2/2/2018 12:27:00 AM	Fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	EST-LCSRPD
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	2/2/2018 12:27:00 AM	Fluorene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 11:05:00 PM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 11:05:00 PM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 11:05:00 PM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 11:05:00 PM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 11:05:00 PM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 11:05:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	2/2/2018 12:27:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 11:05:00 PM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	2/2/2018 12:27:00 AM	Naphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 11:05:00 PM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 11:05:00 PM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 11:05:00 PM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 11:05:00 PM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 11:05:00 PM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 11:05:00 PM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	2/2/2018 12:27:00 AM	Phenanthrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/29/2018 6:35:00 PM	Phenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 11:05:00 PM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	2/2/2018 12:27:00 AM	Pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 11:05:00 PM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/24/2018 5:40:00 AM	PCB Aroclor 1016	n/a	<	0.5	µg/L	EPA 608	0.5	5	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/24/2018 5:40:00 AM	PCB Aroclor 1221	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/24/2018 5:40:00 AM	PCB Aroclor 1232	n/a	<	1.5	µg/L	EPA 608	1.5	5	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/24/2018 5:40:00 AM	PCB Aroclor 1242	n/a	<	0.7	µg/L	EPA 608	0.7	5	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/24/2018 5:40:00 AM	PCB Aroclor 1248	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/24/2018 5:40:00 AM	PCB Aroclor 1254	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/24/2018 5:40:00 AM	PCB Aroclor 1260	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/13/2018 4:54:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/13/2018 4:54:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/13/2018 4:54:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/13/2018 4:54:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/13/2018 4:54:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/24/2018 5:40:00 AM	4,4'-DDD	n/a	<	0.03	µg/L	EPA 608	0.03	0.5	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/24/2018 5:40:00 AM	4,4'-DDE	n/a	<	0.025	µg/L	EPA 608	0.025	0.5	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/24/2018 5:40:00 AM	4,4'-DDT	n/a	<	0.031	µg/L	EPA 608	0.031	0.1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/13/2018 4:54:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/23/2018 6:02:00 PM	Alachlor	n/a	<	0.22	µg/L	EPA 525.2	0.22	1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/24/2018 5:40:00 AM	Aldrin	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/24/2018 5:40:00 AM	alpha-BHC	n/a	<	0.018	µg/L	EPA 608	0.018	0.1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/24/2018 5:40:00 AM	alpha-Chlordane	n/a	<	0.041	µg/L	EPA 608	0.041	0.1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/23/2018 6:02:00 PM	Atrazine	n/a	<	0.34	µg/L	EPA 525.2	0.34	1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/30/2018 8:53:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/13/2018 4:54:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/24/2018 5:40:00 AM	beta-BHC	n/a	<	0.031	µg/L	EPA 608	0.031	0.05	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/30/2018 8:53:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/23/2018 6:02:00 PM	Bromacil	n/a	<	0.38	µg/L	EPA 525.2	0.38	10	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/23/2018 6:02:00 PM	Butachlor	n/a	<	0.17	µg/L	EPA 525.2	0.17	2	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/23/2018 6:02:00 PM	Captan	n/a	<	8.6	µg/L	EPA 525.2	8.6	10	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/24/2018 5:40:00 AM	Chlordane (technical)	n/a	<	0.8	µg/L	EPA 608	0.8	1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/23/2018 6:02:00 PM	Chloropropham	n/a	<	0.1	µg/L	EPA 525.2	0.1	1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/30/2018 8:53:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/30/2018 8:53:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/23/2018 6:02:00 PM	Cyanazine	n/a	<	0.24	µg/L	EPA 525.2	0.24	1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/13/2018 4:54:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/13/2018 4:54:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/24/2018 5:40:00 AM	delta-BHC	n/a	<	0.025	µg/L	EPA 608	0.025	0.05	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/30/2018 8:53:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/30/2018 8:53:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/23/2018 6:02:00 PM	Diazinon	n/a	<	0.96	µg/L	EPA 525.2	0.96	1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/30/2018 8:53:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/13/2018 4:54:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/13/2018 4:54:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/30/2018 8:53:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/24/2018 5:40:00 AM	Dieldrin	n/a	<	0.021	µg/L	EPA 608	0.021	0.1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/23/2018 6:02:00 PM	Dimethoate	n/a	<	0.24	µg/L	EPA 525.2	0.24	2	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/30/2018 8:53:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/13/2018 4:54:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/23/2018 6:02:00 PM	Diphenamid	n/a	<	0.24	µg/L	EPA 525.2	0.24	1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/30/2018 8:53:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/23/2018 6:02:00 PM	Disulfoton	n/a	<	0.31	µg/L	EPA 525.2	0.31	1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/24/2018 5:40:00 AM	Endosulfan I	n/a	<	0.017	µg/L	EPA 608	0.017	0.2	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/24/2018 5:40:00 AM	Endosulfan II	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/24/2018 5:40:00 AM	Endosulfan sulfate	n/a	<	0.08	µg/L	EPA 608	0.08	0.5	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/24/2018 5:40:00 AM	Endrin	n/a	<	0.028	µg/L	EPA 608	0.028	0.1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/24/2018 5:40:00 AM	Endrin aldehyde	n/a	<	0.03	µg/L	EPA 608	0.03	0.1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/23/2018 6:02:00 PM	EPTC	n/a	<	0.17	µg/L	EPA 525.2	0.17	10	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/30/2018 8:53:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/30/2018 8:53:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/30/2018 8:53:00 PM	Fensulfthion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/30/2018 8:53:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/24/2018 5:40:00 AM	gamma-BHC (Lindane)	n/a	<	0.021	µg/L	EPA 608	0.021	0.2	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/24/2018 5:40:00 AM	gamma-Chlordane	n/a	<	0.044	µg/L	EPA 608	0.044	0.1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/11/2018 7:05:00 PM	Glyphosate	n/a	=	15	µg/L	EPA 547	1.8	5	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/24/2018 5:40:00 AM	Heptachlor	n/a	<	0.017	µg/L	EPA 608	0.017	0.1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/24/2018 5:40:00 AM	Heptachlor epoxide	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/30/2018 8:53:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/30/2018 8:53:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/24/2018 5:40:00 AM	Methoxychlor	n/a	<	0.054	µg/L	EPA 608	0.054	0.5	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/30/2018 8:53:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/23/2018 6:02:00 PM	Metolachlor	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/23/2018 6:02:00 PM	Metribuzin	n/a	<	0.15	µg/L	EPA 525.2	0.15	1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/30/2018 8:53:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/23/2018 6:02:00 PM	Molinate	n/a	<	0.39	µg/L	EPA 525.2	0.39	1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/30/2018 8:53:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/29/2018 6:35:00 PM	Pentachlorophenol	n/a	DNQ	2.1	µg/L	EPA 8270C	0.75	5	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/13/2018 4:54:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/25/2018 11:05:00 PM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/30/2018 8:53:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/13/2018 4:54:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/23/2018 6:02:00 PM	Prometon	n/a	<	0.24	µg/L	EPA 525.2	0.24	2	WKL	EST-LCSRPD
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/23/2018 6:02:00 PM	Prometryn	n/a	<	0.36	µg/L	EPA 525.2	0.36	1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/30/2018 8:53:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/23/2018 6:02:00 PM	Simazine	n/a	<	0.15	µg/L	EPA 525.2	0.15	1	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/30/2018 8:53:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/23/2018 6:02:00 PM	Terbacil	n/a	<	5.5	µg/L	EPA 525.2	5.5	20	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/23/2018 6:02:00 PM	Thiobencarb	n/a	<	0.25	µg/L	EPA 525.2	0.25	2	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/30/2018 8:53:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/24/2018 5:40:00 AM	Toxaphene	n/a	<	1.2	µg/L	EPA 608	1.2	5	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/30/2018 8:53:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-THO	2017/18-1	Wet	1/10/2018 9:50:00 AM	1/23/2018 6:02:00 PM	Trithion	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-THO	2017/18-2	Wet	3/2/2018 9:40:00 AM	3/3/2018 11:00:00 AM	E. Coli	n/a	=	213	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-THO	2017/18-2	Wet	3/2/2018 9:40:00 AM	3/4/2018 10:26:00 AM	Fecal Coliform	n/a	=	490	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-THO	2017/18-2	Wet	3/2/2018 9:40:00 AM	3/3/2018 11:00:00 AM	Total Coliform	n/a	=	5172	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-THO	2017/18-2	Wet	3/2/2018 9:40:00 AM	3/2/2018 9:40:00 AM	Conductivity	n/a	=	979	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-THO	2017/18-2	Wet	3/2/2018 9:40:00 AM	3/9/2018 4:06:00 PM	Cyanide	Total	DNQ	0.0013	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-THO	2017/18-2	Wet	3/2/2018 9:40:00 AM	3/2/2018 9:40:00 AM	DO	n/a	=	86.7	%	Field Meter	-88	0.1	Field Crew	
MO-THO	2017/18-2	Wet	3/2/2018 9:40:00 AM	3/2/2018 9:40:00 AM	DO	n/a	=	9.6	mg/L	Field Meter	-88	0.3	Field Crew	
MO-THO	2017/18-2	Wet	3/2/2018 9:40:00 AM	3/2/2018 9:40:00 AM	pH	n/a	=	7.99	pH Units	Field Meter	-88	0.01	Field Crew	
MO-THO	2017/18-2	Wet	3/2/2018 9:40:00 AM	3/2/2018 9:40:00 AM	Salinity	n/a	=	700	mg/L	Field Meter	-88	100	Field Crew	
MO-THO	2017/18-2	Wet	3/2/2018 9:40:00 AM	3/2/2018 9:40:00 AM	Specific Conductance	n/a	=	1365	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-THO	2017/18-2	Wet	3/2/2018 9:40:00 AM	3/2/2018 9:40:00 AM	Temperature	n/a	=	10.2	°C	Field Meter	-88	0.1	Field Crew	
MO-THO	2017/18-2	Wet	3/2/2018 9:40:00 AM	3/6/2018 2:38:00 AM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
MO-THO	2017/18-2	Wet	3/2/2018 9:40:00 AM	3/13/2018 5:21:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-THO	2017/18-2	Wet	3/2/2018 9:40:00 AM	3/6/2018 1:13:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-THO	2017/18-2	Wet	3/2/2018 9:40:00 AM	3/6/2018 1:13:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/15/2018 7:00:00 PM	Chloride	n/a	=	96	mg/L	EPA 300.0	0.2	1	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/15/2018 7:00:00 PM	Fluoride	n/a	=	0.28	mg/L	EPA 300.0	0.04	0.2	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/5/2018 7:02:00 PM	Perchlorate	n/a	<	2.8	µg/L	EPA 314.0	2.8	6	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/15/2018 7:00:00 PM	Sulfate	Total	=	140	mg/L	EPA 300.0	0.2	1	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/19/2018 3:56:00 PM	Calcium	Total	=	55.4	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/19/2018 3:56:00 PM	Magnesium	Total	=	40.6	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/19/2018 3:56:00 PM	Potassium	Total	=	3.6	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/19/2018 3:56:00 PM	Sodium	Total	=	62	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/5/2018 5:50:00 PM	Alkalinity as CaCO3	n/a	=	170	mg/L	SM 2320 B	0.56	2	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/9/2018 12:10:00 PM	BOD	n/a	=	9.1	mg/L	SM 5210 B	2	2	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/13/2018 9:29:00 AM	COD	n/a	=	68	mg/L	EPA 410.4	0.73	5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/13/2018 12:33:00 PM	Dissolved Inorganic Carbon	Dissolved	=	41	mg/L	SM 5310 B	0.5	0.5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/14/2018 9:58:00 AM	Dissolved Organic Carbon	Dissolved	=	12	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/19/2018 3:56:00 PM	Hardness as CaCO3	Total	=	305	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/4/2018 7:25:00 PM	MBAS	n/a	=	0.15	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-THO	2017/18-2	Wet	3/26/2018 4:04:00 PM	3/26/2018 4:04:00 PM	Phenolics	n/a	DNQ	0.0087	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/7/2018 5:24:00 PM	Specific Conductance	n/a	=	920	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/8/2018 5:49:00 PM	Total Dissolved Solids	n/a	=	580	mg/L	SM 2540 C	4	10	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/12/2018 10:51:00 AM	Total Organic Carbon	n/a	=	12	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/8/2018 5:55:00 PM	Total Suspended Solids	n/a	=	260	mg/L	SM 2540 D	-88	5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/4/2018 11:49:00 AM	Turbidity	n/a	=	17	NTU	EPA 180.1	0.024	0.1	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/8/2018 5:55:00 PM	Volatile Suspended Solids	n/a	=	52	mg/L	EPA 160.4	3.1	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/15/2018 11:56:00 PM	Diesel Range Organics	n/a	=	0.61	mg/L	EPA 8015D	0.024	0.1	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/15/2018 11:56:00 PM	Oil Range Organics	n/a	=	0.61	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/19/2018 3:13:00 PM	Aluminum	Dissolved	=	6.2	µg/L	EPA 200.8	1.3	5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/19/2018 3:52:00 PM	Aluminum	Total	=	2900	µg/L	EPA 200.8	1.3	5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/20/2018 1:22:00 PM	Antimony	Dissolved	=	0.54	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/20/2018 1:25:00 PM	Antimony	Total	=	0.67	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/19/2018 3:13:00 PM	Arsenic	Dissolved	=	2.3	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/19/2018 3:52:00 PM	Arsenic	Total	=	3	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/19/2018 3:52:00 PM	Barium	Total	=	34	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/20/2018 1:22:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/20/2018 1:25:00 PM	Beryllium	Total	DNQ	0.08	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/19/2018 3:13:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/19/2018 3:52:00 PM	Cadmium	Total	=	0.27	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/19/2018 3:13:00 PM	Chromium	Dissolved	=	0.43	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/19/2018 3:52:00 PM	Chromium	Total	=	9	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/14/2018 2:27:00 PM	Chromium VI	n/a	=	0.38	µg/L	EPA 218.6	0.024	0.1	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/19/2018 3:13:00 PM	Copper	Dissolved	=	3.8	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/19/2018 3:52:00 PM	Copper	Total	=	13	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/19/2018 3:32:00 PM	Iron	Dissolved	=	21	µg/L	EPA 200.7	1.1	10	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/19/2018 3:56:00 PM	Iron	Total	=	4000	µg/L	EPA 200.7	1.1	10	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/19/2018 3:13:00 PM	Lead	Dissolved	DNQ	0.04	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/19/2018 3:52:00 PM	Lead	Total	=	2.3	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/15/2018 12:40:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/15/2018 12:42:00 PM	Mercury	Total	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/19/2018 3:13:00 PM	Nickel	Dissolved	=	2.4	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/19/2018 3:52:00 PM	Nickel	Total	=	10	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/19/2018 3:13:00 PM	Selenium	Dissolved	=	0.92	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/19/2018 3:52:00 PM	Selenium	Total	=	1.3	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/19/2018 3:13:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/19/2018 3:52:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/19/2018 3:13:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/19/2018 3:52:00 PM	Thallium	Total	DNQ	0.032	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/19/2018 3:13:00 PM	Zinc	Dissolved	DNQ	3.6	µg/L	EPA 200.8	0.94	5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/19/2018 3:52:00 PM	Zinc	Total	=	37	µg/L	EPA 200.8	0.94	5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/14/2018 6:29:00 PM	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/6/2018 3:13:00 PM	Nitrate + Nitrite as N	n/a	=	0.65	mg/L	EPA 353.2	0.083	0.2	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/19/2018 12:42:00 PM	Phosphorus as P	Dissolved	=	0.14	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/16/2018 12:06:00 PM	Phosphorus as P	Total	=	0.44	mg/L	EPA 365.1	0.0056	0.04	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/19/2018 3:16:00 PM	TKN	n/a	=	1.8	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/15/2018 5:04:00 AM	1,2,4-Trichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/15/2018 5:04:00 AM	1,2-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/15/2018 5:04:00 AM	1,2-Diphenylhydrazine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/15/2018 5:04:00 AM	1,3-Dichlorobenzene	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/15/2018 5:04:00 AM	1,4-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/20/2018 8:49:00 AM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/26/2018 5:46:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/15/2018 5:04:00 AM	2,4,6-Trichlorophenol	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/26/2018 5:46:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/15/2018 5:04:00 AM	2,4-Dichlorophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/26/2018 5:46:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/26/2018 5:46:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	LCSRPD, LB-L
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/15/2018 5:04:00 AM	2,4-Dimethylphenol	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	EST-LCSRPD
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/15/2018 5:04:00 AM	2,4-Dinitrophenol	n/a	<	7.9	µg/L	EPA 625	7.9	50	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/26/2018 5:46:00 PM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/15/2018 5:04:00 AM	2,4-Dinitrotoluene	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/15/2018 5:04:00 AM	2,6-Dinitrotoluene	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/15/2018 5:04:00 AM	2-Chloronaphthalene	n/a	<	2.2	µg/L	EPA 625	2.2	5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/26/2018 5:46:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/15/2018 5:04:00 AM	2-Chlorophenol	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/20/2018 8:49:00 AM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/26/2018 5:46:00 PM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/15/2018 5:04:00 AM	2-Nitrophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/26/2018 5:46:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/15/2018 5:04:00 AM	3,3'-Dichlorobenzidine	n/a	<	6	µg/L	EPA 625	6	25	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/26/2018 5:46:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/15/2018 5:04:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	8.6	µg/L	EPA 625	8.6	25	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/26/2018 5:46:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/15/2018 5:04:00 AM	4-Bromophenyl phenyl ether	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/26/2018 5:46:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/15/2018 5:04:00 AM	4-Chloro-3-methylphenol	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/15/2018 5:04:00 AM	4-Chlorophenyl phenyl ether	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/15/2018 5:04:00 AM	4-Nitrophenol	n/a	<	2.2	µg/L	EPA 625	2.2	25	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/26/2018 5:46:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/15/2018 5:04:00 AM	Acenaphthene	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/20/2018 8:49:00 AM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/20/2018 8:49:00 AM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/15/2018 5:04:00 AM	Acenaphthylene	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/15/2018 5:04:00 AM	Anthracene	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/20/2018 8:49:00 AM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/15/2018 5:04:00 AM	Benz(a)anthracene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/20/2018 8:49:00 AM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/15/2018 5:04:00 AM	Benzidine	n/a	<	18	µg/L	EPA 625	18	50	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/20/2018 3:20:00 AM	Benzo(a)pyrene	n/a	<	0.35	µg/L	EPA 525.2	0.35	0.5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/15/2018 5:04:00 AM	Benzo(a)pyrene	n/a	<	0.65	µg/L	EPA 625	0.65	5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/20/2018 8:49:00 AM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/15/2018 5:04:00 AM	Benzo(b)fluoranthene	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/20/2018 8:49:00 AM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/20/2018 8:49:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/15/2018 5:04:00 AM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 625	0.5	10	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/15/2018 5:04:00 AM	Benzo(k)fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/20/2018 8:49:00 AM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/15/2018 5:04:00 AM	Bis(2-chloroethoxy)methane	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/15/2018 5:04:00 AM	Bis(2-chloroethyl)ether	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/15/2018 5:04:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/20/2018 3:20:00 AM	Bis(2-ethylhexyl)adipate	n/a	<	0.52	µg/L	EPA 525.2	0.52	25	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/15/2018 5:04:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	12	µg/L	EPA 625	12	25	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/20/2018 3:20:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	5.3	µg/L	EPA 525.2	5.3	15	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/15/2018 5:04:00 AM	Butyl benzyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/20/2018 8:49:00 AM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/15/2018 5:04:00 AM	Chrysene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/20/2018 8:49:00 AM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/15/2018 5:04:00 AM	Dibenz(a,h)anthracene	n/a	<	0.4	µg/L	EPA 625	0.4	10	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/15/2018 5:04:00 AM	Diethyl phthalate	n/a	<	0.75	µg/L	EPA 625	0.75	5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/15/2018 5:04:00 AM	Dimethyl phthalate	n/a	=	8	µg/L	EPA 625	0.9	5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/15/2018 5:04:00 AM	Di-n-butylphthalate	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/15/2018 5:04:00 AM	Di-n-octylphthalate	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/15/2018 5:04:00 AM	Fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/20/2018 8:49:00 AM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/15/2018 5:04:00 AM	Fluorene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/20/2018 8:49:00 AM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/15/2018 5:04:00 AM	Hexachlorobenzene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/15/2018 5:04:00 AM	Hexachlorobutadiene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/15/2018 5:04:00 AM	Hexachlorocyclopentadiene	n/a	<	7.3	µg/L	EPA 625	7.3	25	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/15/2018 5:04:00 AM	Hexachloroethane	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/15/2018 5:04:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.6	µg/L	EPA 625	0.6	10	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/20/2018 8:49:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/15/2018 5:04:00 AM	Isophorone	n/a	<	1	µg/L	EPA 625	1	5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/15/2018 5:04:00 AM	Naphthalene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/20/2018 8:49:00 AM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/15/2018 5:04:00 AM	Nitrobenzene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/15/2018 5:04:00 AM	N-Nitrosodimethylamine	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/15/2018 5:04:00 AM	N-Nitrosodi-N-propylamine	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/15/2018 5:04:00 AM	N-Nitrosodiphenylamine	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/15/2018 5:04:00 AM	Phenanthrene	n/a	<	1.6	µg/L	EPA 625	1.6	5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/20/2018 8:49:00 AM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/15/2018 5:04:00 AM	Phenol	n/a	<	0.8	µg/L	EPA 625	0.8	5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/26/2018 5:46:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/15/2018 5:04:00 AM	Pyrene	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/20/2018 8:49:00 AM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/20/2018 7:54:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/20/2018 7:54:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/20/2018 7:54:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/20/2018 7:54:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/20/2018 7:54:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/20/2018 7:54:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/20/2018 7:54:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/13/2018 5:31:00 PM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/13/2018 5:31:00 PM	2,4,5-TD	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/13/2018 5:31:00 PM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/13/2018 5:31:00 PM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/13/2018 5:31:00 PM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/20/2018 7:54:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/20/2018 7:54:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/20/2018 7:54:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/13/2018 5:31:00 PM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/20/2018 3:20:00 AM	Alachlor	n/a	<	0.11	µg/L	EPA 525.2	0.11	0.5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/20/2018 7:54:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/20/2018 7:54:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/20/2018 7:54:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/20/2018 3:20:00 AM	Atrazine	n/a	<	0.17	µg/L	EPA 525.2	0.17	0.5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/9/2018 4:12:00 AM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/13/2018 5:31:00 PM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/20/2018 7:54:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/9/2018 4:12:00 AM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/20/2018 3:20:00 AM	Bromacil	n/a	<	0.19	µg/L	EPA 525.2	0.19	5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/20/2018 3:20:00 AM	Butachlor	n/a	<	0.085	µg/L	EPA 525.2	0.085	1	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/20/2018 3:20:00 AM	Captan	n/a	<	4.3	µg/L	EPA 525.2	4.3	5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/20/2018 7:54:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/20/2018 3:20:00 AM	Chlorpropham	n/a	<	0.05	µg/L	EPA 525.2	0.05	0.5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/9/2018 4:12:00 AM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/9/2018 4:12:00 AM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/20/2018 3:20:00 AM	Cyanazine	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/13/2018 5:31:00 PM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/13/2018 5:31:00 PM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/20/2018 7:54:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/9/2018 4:12:00 AM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/9/2018 4:12:00 AM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/20/2018 3:20:00 AM	Diazinon	n/a	<	0.48	µg/L	EPA 525.2	0.48	0.5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/9/2018 4:12:00 AM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/13/2018 5:31:00 PM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/13/2018 5:31:00 PM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/9/2018 4:12:00 AM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/20/2018 7:54:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/21/2018 6:30:00 AM	Dimethoate	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/9/2018 4:12:00 AM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/13/2018 5:31:00 PM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/20/2018 3:20:00 AM	Diphenamid	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/9/2018 4:12:00 AM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/20/2018 3:20:00 AM	Disulfoton	n/a	<	0.16	µg/L	EPA 525.2	0.16	0.5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/20/2018 7:54:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/20/2018 7:54:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/20/2018 7:54:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/20/2018 7:54:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/20/2018 7:54:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/20/2018 3:20:00 AM	EPTC	n/a	<	0.085	µg/L	EPA 525.2	0.085	5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/9/2018 4:12:00 AM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/9/2018 4:12:00 AM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/9/2018 4:12:00 AM	Fensulfthion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/9/2018 4:12:00 AM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/20/2018 7:54:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/20/2018 7:54:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/9/2018 7:43:00 PM	Glyphosate	n/a	DNQ	2.8	µg/L	EPA 547	1.8	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/20/2018 7:54:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/20/2018 7:54:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/9/2018 4:12:00 AM	Malathion	n/a	=	0.023	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/9/2018 4:12:00 AM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/20/2018 7:54:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/9/2018 4:12:00 AM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/20/2018 3:20:00 AM	Metolachlor	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/20/2018 3:20:00 AM	Metribuzin	n/a	<	0.075	µg/L	EPA 525.2	0.075	0.5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/9/2018 4:12:00 AM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/20/2018 3:20:00 AM	Molinate	n/a	<	0.2	µg/L	EPA 525.2	0.2	0.5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/9/2018 4:12:00 AM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/15/2018 5:04:00 AM	Pentachlorophenol	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/26/2018 5:46:00 PM	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/13/2018 5:31:00 PM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/9/2018 4:12:00 AM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/13/2018 5:31:00 PM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/20/2018 3:20:00 AM	Prometon	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/20/2018 9:40:00 AM	Prometryn	n/a	<	0.18	µg/L	EPA 525.2	0.18	0.5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/9/2018 4:12:00 AM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/20/2018 3:20:00 AM	Simazine	n/a	<	0.075	µg/L	EPA 525.2	0.075	0.5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/9/2018 4:12:00 AM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/20/2018 3:20:00 AM	Terbacil	n/a	<	2.8	µg/L	EPA 525.2	2.8	10	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/21/2018 6:30:00 AM	Thiobencarb	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/9/2018 4:12:00 AM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/20/2018 7:54:00 AM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/9/2018 4:12:00 AM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-THO	2017/18-2	Wet	3/3/2018 9:40:00 AM	3/20/2018 3:20:00 AM	Trithion	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.5	WKL	
MO-THO	2017/18-3	Wet	3/10/2018 7:40:00 PM	3/11/2018 11:34:00 PM	E. Coli	n/a	=	2495	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-THO	2017/18-3	Wet	3/10/2018 7:40:00 PM	3/14/2018 8:10:00 PM	Fecal Coliform	n/a	=	11000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-THO	2017/18-3	Wet	3/10/2018 7:40:00 PM	3/11/2018 11:34:00 PM	Total Coliform	n/a	=	68670	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-THO	2017/18-3	Wet	3/10/2018 7:40:00 PM	3/10/2018 7:40:00 PM	Conductivity	n/a	=	432.2	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-THO	2017/18-3	Wet	3/10/2018 7:40:00 PM	3/19/2018 4:29:00 PM	Cyanide	Total	=	0.0022	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-THO	2017/18-3	Wet	3/10/2018 7:40:00 PM	3/10/2018 7:40:00 PM	DO	n/a	=	90.9	%	Field Meter	-88	0.1	Field Crew	
MO-THO	2017/18-3	Wet	3/10/2018 7:40:00 PM	3/10/2018 7:40:00 PM	DO	n/a	=	9.03	mg/L	Field Meter	-88	0.3	Field Crew	
MO-THO	2017/18-3	Wet	3/10/2018 7:40:00 PM	3/10/2018 7:40:00 PM	pH	n/a	=	8.12	pH Units	Field Meter	-88	0.01	Field Crew	
MO-THO	2017/18-3	Wet	3/10/2018 7:40:00 PM	3/10/2018 7:40:00 PM	Salinity	n/a	=	300	mg/L	Field Meter	-88	100	Field Crew	
MO-THO	2017/18-3	Wet	3/10/2018 7:40:00 PM	3/10/2018 7:40:00 PM	Specific Conductance	n/a	=	527	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-THO	2017/18-3	Wet	3/10/2018 7:40:00 PM	3/10/2018 7:40:00 PM	Temperature	n/a	=	15.5	°C	Field Meter	-88	0.1	Field Crew	
MO-THO	2017/18-3	Wet	3/10/2018 7:40:00 PM	3/16/2018 5:21:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
MO-THO	2017/18-3	Wet	3/10/2018 7:40:00 PM	3/27/2018 6:07:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-THO	2017/18-3	Wet	3/10/2018 7:40:00 PM	3/13/2018 8:49:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-THO	2017/18-3	Wet	3/10/2018 7:40:00 PM	3/13/2018 8:49:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/21/2018 2:00:00 PM	Chloride	n/a	=	110	mg/L	EPA 300.0	0.2	1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/21/2018 2:00:00 PM	Fluoride	n/a	=	0.25	mg/L	EPA 300.0	0.04	0.2	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/12/2018 8:00:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/21/2018 9:45:00 AM	Sulfate	Total	=	170	mg/L	EPA 300.0	0.2	1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/26/2018 7:32:00 PM	Calcium	Total	=	61.8	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/26/2018 7:32:00 PM	Magnesium	Total	=	50.4	mg/L	EPA 200.7	0.012	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/26/2018 7:32:00 PM	Potassium	Total	=	3	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/26/2018 7:32:00 PM	Sodium	Total	=	75	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/12/2018 1:51:00 PM	Alkalinity as CaCO ₃	n/a	=	190	mg/L	SM 2320 B	0.56	2	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/17/2018 7:25:00 PM	BOD	n/a	=	12	mg/L	SM 5210 B	2	2	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/19/2018 7:36:00 PM	COD	n/a	=	30	mg/L	EPA 410.4	0.73	5	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/15/2018 1:47:00 PM	Dissolved Inorganic Carbon	Dissolved	=	46	mg/L	SM 5310 B	0.5	0.5	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/19/2018 8:44:00 AM	Dissolved Organic Carbon	Dissolved	=	9.1	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/26/2018 7:32:00 PM	Hardness as CaCO ₃	Total	=	362	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/12/2018 4:40:00 PM	MBAS	n/a	=	0.13	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/27/2018 4:06:00 PM	Phenolics	n/a	DNQ	0.0069	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/14/2018 5:40:00 PM	Specific Conductance	n/a	=	1100	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/15/2018 5:49:00 PM	Total Dissolved Solids	n/a	=	650	mg/L	SM 2540 C	4	10	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 10:17:00 AM	Total Organic Carbon	n/a	=	7.9	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/14/2018 1:40:00 PM	Total Suspended Solids	n/a	=	190	mg/L	SM 2540 D	-88	5	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/12/2018 11:32:00 AM	Turbidity	n/a	=	14	NTU	EPA 180.1	0.024	0.1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/14/2018 1:40:00 PM	Volatile Suspended Solids	n/a	=	47	mg/L	EPA 160.4	3.1	5	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/20/2018 1:19:00 AM	Diesel Range Organics	n/a	=	0.28	mg/L	EPA 8015D	0.024	0.1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/20/2018 1:19:00 AM	Oil Range Organics	n/a	DNQ	0.4	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	4/2/2018 9:54:00 PM	Aluminum	Dissolved	=	5.3	µg/L	EPA 200.8	1.3	5	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	4/2/2018 9:59:00 PM	Aluminum	Total	=	1200	µg/L	EPA 200.8	1.3	5	WKL	HB-MSR
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/31/2018 1:51:00 AM	Antimony	Dissolved	DNQ	0.48	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/31/2018 1:58:00 AM	Antimony	Total	=	0.6	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/31/2018 1:51:00 AM	Arsenic	Dissolved	=	2.1	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/31/2018 1:58:00 AM	Arsenic	Total	=	2.4	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/31/2018 1:58:00 AM	Barium	Total	=	22	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/31/2018 1:51:00 AM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/31/2018 1:58:00 AM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/31/2018 1:51:00 AM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/31/2018 1:58:00 AM	Cadmium	Total	=	0.14	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/31/2018 1:51:00 AM	Chromium	Dissolved	=	0.36	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/31/2018 1:58:00 AM	Chromium	Total	=	3.4	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/15/2018 7:36:00 PM	Chromium VI	n/a	=	0.25	µg/L	EPA 218.6	0.024	0.1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/31/2018 1:51:00 AM	Copper	Dissolved	=	3.1	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/31/2018 1:58:00 AM	Copper	Total	=	6.4	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/26/2018 6:54:00 PM	Iron	Dissolved	=	15	µg/L	EPA 200.7	1.1	10	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/26/2018 7:32:00 PM	Iron	Total	=	1500	µg/L	EPA 200.7	1.1	10	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/31/2018 1:51:00 AM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/31/2018 1:58:00 AM	Lead	Total	=	0.92	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/23/2018 4:16:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/23/2018 4:17:00 PM	Mercury	Total	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/31/2018 1:51:00 AM	Nickel	Dissolved	=	2.3	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/31/2018 1:58:00 AM	Nickel	Total	=	4.3	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	4/2/2018 9:54:00 PM	Selenium	Dissolved	=	1	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	4/2/2018 9:59:00 PM	Selenium	Total	=	1.2	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/31/2018 1:51:00 AM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/31/2018 1:58:00 AM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/31/2018 1:51:00 AM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/31/2018 1:58:00 AM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/31/2018 1:51:00 AM	Zinc	Dissolved	DNQ	3.3	µg/L	EPA 200.8	0.94	5	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/31/2018 1:58:00 AM	Zinc	Total	=	17	µg/L	EPA 200.8	0.94	5	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/21/2018 8:47:00 PM	Ammonia as N	n/a	DNQ	0.068	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/25/2018 10:27:00 AM	Nitrate + Nitrite as N	n/a	=	0.41	mg/L	EPA 353.2	0.083	0.2	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/27/2018 5:55:00 PM	Phosphorus as P	Dissolved	=	0.13	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 11:42:00 AM	Phosphorus as P	Total	=	0.24	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/23/2018 3:23:00 PM	TKN	n/a	=	0.87	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 6:11:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 6:11:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 6:11:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 6:11:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 6:11:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/27/2018 7:33:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/23/2018 8:18:00 AM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/23/2018 8:18:00 AM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 6:11:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/23/2018 8:18:00 AM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 6:11:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/23/2018 8:18:00 AM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 6:11:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	EST-LCSRPD
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/23/2018 8:18:00 AM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	EST-LCSRPD
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 6:11:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 6:11:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 6:11:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 6:11:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 6:11:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/23/2018 8:18:00 AM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/27/2018 7:33:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/23/2018 8:18:00 AM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 6:11:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/23/2018 8:18:00 AM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 6:11:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/23/2018 8:18:00 AM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 6:11:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/23/2018 8:18:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	EST-LCSRPD
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 6:11:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/23/2018 8:18:00 AM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 6:11:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 6:11:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/23/2018 8:18:00 AM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	EST-LCSRPD
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 6:11:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 6:11:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/27/2018 7:33:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/27/2018 7:33:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 6:11:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 6:11:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/27/2018 7:33:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/27/2018 7:33:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 6:11:00 AM	Benzo(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 6:11:00 AM	Benzo(b)anthracene	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 6:08:00 PM	Benzo(a)pyrene	n/a	<	0.35	µg/L	EPA 525.2	0.35	0.5	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 6:11:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/27/2018 7:33:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/27/2018 7:33:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 6:11:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/27/2018 7:33:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 6:11:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/27/2018 7:33:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 6:11:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 6:11:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 6:11:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 6:11:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 6:08:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.52	µg/L	EPA 525.2	0.52	25	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 6:11:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 6:08:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	5.3	µg/L	EPA 525.2	5.3	15	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 6:11:00 AM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 6:11:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/27/2018 7:33:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 6:11:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/27/2018 7:33:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 6:11:00 AM	Diethyl phthalate	n/a	DNQ	0.19	µg/L	EPA 625	0.15	1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 6:11:00 AM	Dimethyl phthalate	n/a	=	4.8	µg/L	EPA 625	0.18	1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 6:11:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 6:11:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 6:11:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/27/2018 7:33:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 6:11:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/27/2018 7:33:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 6:11:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 6:11:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 6:11:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 6:11:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 6:11:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/27/2018 7:33:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 6:11:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/27/2018 7:33:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 6:11:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 6:11:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 6:11:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 6:11:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 6:11:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/27/2018 7:33:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 6:11:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 6:11:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/23/2018 8:18:00 AM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 6:11:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/27/2018 7:33:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/24/2018 11:25:00 PM	PCB Aroclor 1016	n/a	<	0.1	µg/L	EPA 608	0.1	1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/24/2018 11:25:00 PM	PCB Aroclor 1221	n/a	<	0.12	µg/L	EPA 608	0.12	1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/24/2018 11:25:00 PM	PCB Aroclor 1232	n/a	<	0.3	µg/L	EPA 608	0.3	1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/24/2018 11:25:00 PM	PCB Aroclor 1242	n/a	<	0.14	µg/L	EPA 608	0.14	1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/24/2018 11:25:00 PM	PCB Aroclor 1248	n/a	<	0.12	µg/L	EPA 608	0.12	1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/24/2018 11:25:00 PM	PCB Aroclor 1254	n/a	<	0.08	µg/L	EPA 608	0.08	1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/24/2018 11:25:00 PM	PCB Aroclor 1260	n/a	<	0.08	µg/L	EPA 608	0.08	1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/17/2018 7:28:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/17/2018 7:28:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/17/2018 7:28:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/17/2018 7:28:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/17/2018 7:28:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/24/2018 11:25:00 PM	4,4'-DDD	n/a	<	0.006	µg/L	EPA 608	0.006	0.1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/24/2018 11:25:00 PM	4,4'-DDE	n/a	<	0.005	µg/L	EPA 608	0.005	0.1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/24/2018 11:25:00 PM	4,4'-DDT	n/a	<	0.0062	µg/L	EPA 608	0.0062	0.02	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/17/2018 7:28:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 6:08:00 PM	Alachlor	n/a	<	0.11	µg/L	EPA 525.2	0.11	0.5	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/24/2018 11:25:00 PM	Aldrin	n/a	<	0.003	µg/L	EPA 608	0.003	0.01	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/24/2018 11:25:00 PM	alpha-BHC	n/a	<	0.0036	µg/L	EPA 608	0.0036	0.02	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/24/2018 11:25:00 PM	alpha-Chlordane	n/a	<	0.0082	µg/L	EPA 608	0.0082	0.02	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 6:08:00 PM	Atrazine	n/a	<	0.17	µg/L	EPA 525.2	0.17	0.5	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/21/2018 7:57:00 PM	Azinphos methyl	n/a	<	0.028	µg/L	EPA 525.2m	0.028	0.05	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/17/2018 7:28:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/24/2018 11:25:00 PM	beta-BHC	n/a	<	0.0062	µg/L	EPA 608	0.0062	0.01	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/21/2018 7:57:00 PM	Bolstar	n/a	<	0.023	µg/L	EPA 525.2m	0.023	0.05	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 6:08:00 PM	Bromacil	n/a	<	0.19	µg/L	EPA 525.2	0.19	5	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 6:08:00 PM	Butachlor	n/a	<	0.085	µg/L	EPA 525.2	0.085	1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 6:08:00 PM	Captan	n/a	<	4.3	µg/L	EPA 525.2	4.3	5	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/24/2018 11:25:00 PM	Chlordane (technical)	n/a	<	0.16	µg/L	EPA 608	0.16	0.2	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 6:08:00 PM	Chloropropham	n/a	<	0.05	µg/L	EPA 525.2	0.05	0.5	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/21/2018 7:57:00 PM	Chlorpyrifos	n/a	<	0.034	µg/L	EPA 525.2m	0.034	0.05	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/21/2018 7:57:00 PM	Coumaphos	n/a	<	0.026	µg/L	EPA 525.2m	0.026	0.05	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 6:08:00 PM	Cyanazine	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/17/2018 7:28:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/17/2018 7:28:00 AM	DCEPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/24/2018 11:25:00 PM	delta-BHC	n/a	<	0.005	µg/L	EPA 608	0.005	0.01	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/21/2018 7:57:00 PM	Demeton-O	n/a	<	0.05	µg/L	EPA 525.2m	0.05	0.05	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/21/2018 7:57:00 PM	Demeton-S	n/a	<	0.05	µg/L	EPA 525.2m	0.05	0.05	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 6:08:00 PM	Diazinon	n/a	<	0.48	µg/L	EPA 525.2	0.48	0.5	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/21/2018 7:57:00 PM	Diazinon	n/a	<	0.026	µg/L	EPA 525.2m	0.026	0.05	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/17/2018 7:28:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/17/2018 7:28:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/21/2018 7:57:00 PM	Dichlorvos	n/a	<	0.014	µg/L	EPA 525.2m	0.014	0.05	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/24/2018 11:25:00 PM	Dieldrin	n/a	<	0.0042	µg/L	EPA 608	0.0042	0.02	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 6:08:00 PM	Dimethoate	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/21/2018 7:57:00 PM	Dimethoate	n/a	<	0.031	µg/L	EPA 525.2m	0.031	0.05	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/17/2018 7:28:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 6:08:00 PM	Diphenamid	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 6:08:00 PM	Disulfoton	n/a	<	0.16	µg/L	EPA 525.2	0.16	0.5	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/21/2018 7:57:00 PM	Disulfoton	n/a	<	0.05	µg/L	EPA 525.2m	0.05	0.05	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/24/2018 11:25:00 PM	Endosulfan I	n/a	<	0.0034	µg/L	EPA 608	0.0034	0.04	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/24/2018 11:25:00 PM	Endosulfan II	n/a	<	0.0038	µg/L	EPA 608	0.0038	0.02	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/24/2018 11:25:00 PM	Endosulfan sulfate	n/a	<	0.016	µg/L	EPA 608	0.016	0.1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/24/2018 11:25:00 PM	Endrin	n/a	<	0.0056	µg/L	EPA 608	0.0056	0.02	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/24/2018 11:25:00 PM	Endrin aldehyde	n/a	<	0.006	µg/L	EPA 608	0.006	0.02	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 6:08:00 PM	EPTC	n/a	<	0.085	µg/L	EPA 525.2	0.085	5	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/21/2018 7:57:00 PM	Ethoprop	n/a	<	0.034	µg/L	EPA 525.2m	0.034	0.05	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/21/2018 7:57:00 PM	Ethyl parathion	n/a	<	0.027	µg/L	EPA 525.2m	0.027	0.05	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/21/2018 7:57:00 PM	Fensulfothion	n/a	<	0.014	µg/L	EPA 525.2m	0.014	0.05	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/21/2018 7:57:00 PM	Fenthion	n/a	<	0.019	µg/L	EPA 525.2m	0.019	0.05	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/24/2018 11:25:00 PM	gamma-BHC (Lindane)	n/a	<	0.0042	µg/L	EPA 608	0.0042	0.04	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/24/2018 11:25:00 PM	gamma-Chlordane	n/a	<	0.0088	µg/L	EPA 608	0.0088	0.02	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 11:45:00 PM	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/24/2018 11:25:00 PM	Heptachlor	n/a	<	0.0034	µg/L	EPA 608	0.0034	0.02	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/24/2018 11:25:00 PM	Heptachlor epoxide	n/a	<	0.0038	µg/L	EPA 608	0.0038	0.02	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/21/2018 7:57:00 PM	Malathion	n/a	<	0.038	µg/L	EPA 525.2m	0.038	0.05	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/21/2018 7:57:00 PM	Merphos	n/a	<	0.029	µg/L	EPA 525.2m	0.029	0.05	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/24/2018 11:25:00 PM	Methoxychlor	n/a	<	0.011	µg/L	EPA 608	0.011	0.04	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/21/2018 7:57:00 PM	Methyl parathion	n/a	<	0.032	µg/L	EPA 525.2m	0.032	0.05	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 6:08:00 PM	Metolachlor	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.5	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 6:08:00 PM	Metribuzin	n/a	<	0.075	µg/L	EPA 525.2	0.075	0.5	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/21/2018 7:57:00 PM	Mevinphos	n/a	<	0.021	µg/L	EPA 525.2m	0.021	0.05	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 6:08:00 PM	Molinate	n/a	<	0.2	µg/L	EPA 525.2	0.2	0.5	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/21/2018 7:57:00 PM	Naled	n/a	<	0.038	µg/L	EPA 525.2m	0.038	0.05	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 6:11:00 AM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/23/2018 8:18:00 AM	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1	WKL	EST-LCSRPD
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/17/2018 7:28:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/21/2018 7:57:00 PM	Phorate	n/a	<	0.015	µg/L	EPA 525.2m	0.015	0.05	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/17/2018 7:28:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 6:08:00 PM	Prometon	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	EST-LCSRPD
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 6:08:00 PM	Prometryn	n/a	<	0.18	µg/L	EPA 525.2	0.18	0.5	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/21/2018 7:57:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.02	µg/L	EPA 525.2m	0.02	0.05	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 6:08:00 PM	Simazine	n/a	<	0.075	µg/L	EPA 525.2	0.075	0.5	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/21/2018 7:57:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.016	µg/L	EPA 525.2m	0.016	0.05	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 6:08:00 PM	Terbacil	n/a	<	2.8	µg/L	EPA 525.2	2.8	10	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 6:08:00 PM	Thiobencarb	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/21/2018 7:57:00 PM	Tokuthion	n/a	<	0.039	µg/L	EPA 525.2m	0.039	0.05	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/24/2018 11:25:00 PM	Toxaphene	n/a	<	0.24	µg/L	EPA 608	0.24	1	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/21/2018 7:57:00 PM	Trichloronate	n/a	<	0.034	µg/L	EPA 525.2m	0.034	0.05	WKL	
MO-THO	2017/18-3	Wet	3/11/2018 9:45:00 AM	3/22/2018 6:08:00 PM	Trithion	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.5	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/4/2018 10:00:00 AM	Chloride	n/a	=	140	mg/L	EPA 300.0	0.2	1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/4/2018 10:00:00 AM	Fluoride	n/a	=	0.65	mg/L	EPA 300.0	0.04	0.2	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/7/2018 6:11:00 AM	Perchlorate	n/a	<	1.9	µg/L	EPA 314.0	1.9	4	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/4/2018 10:00:00 AM	Sulfate	Total	=	140	mg/L	EPA 300.0	0.2	1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	5/31/2018 8:00:00 AM	E. Coli	n/a	=	10	MPN/100 mL	MMO-MUG	10	10	VCHCA	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	5/31/2018 8:00:00 AM	Total Coliform	n/a	=	1211	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/7/2018 11:49:00 AM	Calcium	Total	=	41.5	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/7/2018 11:49:00 AM	Magnesium	Total	=	26.8	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/7/2018 11:49:00 AM	Potassium	Total	=	17	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/7/2018 11:49:00 AM	Sodium	Total	=	110	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	5/31/2018 1:09:00 PM	Alkalinity as CaCO3	n/a	=	120	mg/L	SM 2320 B	0.56	2	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/5/2018 5:15:00 PM	BOD	n/a	<	2	mg/L	SM 5210 B	2	2	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/7/2018 1:47:00 PM	COD	n/a	=	17	mg/L	EPA 410.4	0.73	5	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	5/30/2018 9:50:00 AM	Conductivity	n/a	=	1609	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/7/2018 6:23:00 PM	Cyanide	Total	=	0.0046	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/12/2018 11:30:00 AM	Dissolved Inorganic Carbon	Dissolved	=	28	mg/L	SM 5310 B	0.5	0.5	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/6/2018 3:22:00 PM	Dissolved Organic Carbon	Dissolved	=	7.4	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	5/30/2018 9:50:00 AM	DO	n/a	=	72.3	%	Field Meter	-88	0.1	Field Crew	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	5/30/2018 9:50:00 AM	DO	n/a	=	6.22	mg/L	Field Meter	-88	0.3	Field Crew	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/7/2018 11:49:00 AM	Hardness as CaCO3	Total	=	214	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	5/31/2018 7:53:00 PM	MBAS	n/a	DNQ	0.02	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	5/30/2018 9:50:00 AM	pH	n/a	=	8.25	pH Units	Field Meter	-88	0.01	Field Crew	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/12/2018 2:30:00 PM	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	5/30/2018 9:50:00 AM	Salinity	n/a	=	900	mg/L	Field Meter	-88	100	Field Crew	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/5/2018 12:05:00 PM	Specific Conductance	n/a	=	1000	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	5/30/2018 9:50:00 AM	Specific Conductance	n/a	=	1836	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	5/30/2018 9:50:00 AM	Temperature	n/a	=	18.9	°C	Field Meter	-88	0.1	Field Crew	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/5/2018 6:00:00 PM	Total Dissolved Solids	n/a	=	610	mg/L	SM 2540 C	4	10	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/5/2018 12:33:00 PM	Total Organic Carbon	n/a	=	6.9	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/4/2018 8:07:00 PM	Total Suspended Solids	n/a	=	5	mg/L	SM 2540 D	-88	5	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	5/31/2018 1:08:00 PM	Turbidity	n/a	=	0.58	NTU	EPA 180.1	0.024	0.1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/4/2018 8:17:00 PM	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/4/2018 8:33:00 PM	Diesel Range Organics	n/a	=	0.11	mg/L	EPA 8015D	0.024	0.1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	5/31/2018 5:30:00 PM	Gasoline Range Organics	n/a	<	0.012	mg/L	LUFT GC/MS	0.012	0.1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	5/31/2018 5:55:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/4/2018 8:33:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/8/2018 4:32:00 PM	Aluminum	Dissolved	DNQ	3.4	µg/L	EPA 200.8	1.3	5	WKL	UL-MB
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/8/2018 4:39:00 PM	Aluminum	Total	=	7.4	µg/L	EPA 200.8	1.3	5	WKL	UL-MB
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/8/2018 4:32:00 PM	Antimony	Dissolved	DNQ	0.39	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/8/2018 4:39:00 PM	Antimony	Total	=	0.5	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/8/2018 4:32:00 PM	Arsenic	Dissolved	=	2.8	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/8/2018 4:39:00 PM	Arsenic	Total	=	2.9	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/8/2018 4:39:00 PM	Barium	Total	=	6.7	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/8/2018 4:32:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/8/2018 4:39:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/8/2018 4:32:00 PM	Cadmium	Dissolved	DNQ	0.06	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/8/2018 4:39:00 PM	Cadmium	Total	DNQ	0.07	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/13/2018 6:32:00 PM	Chromium	Dissolved	=	2.4	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/13/2018 6:36:00 PM	Chromium	Total	=	18	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/7/2018 5:19:00 PM	Chromium VI	n/a	=	0.1	µg/L	EPA 218.6	0.024	0.1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/13/2018 6:32:00 PM	Copper	Dissolved	=	2.4	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/13/2018 6:36:00 PM	Copper	Total	=	2.7	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/7/2018 11:22:00 AM	Iron	Dissolved	=	62	µg/L	EPA 200.7	1.1	10	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/7/2018 11:49:00 AM	Iron	Total	=	160	µg/L	EPA 200.7	1.1	10	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/8/2018 4:32:00 PM	Lead	Dissolved	DNQ	0.04	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/8/2018 4:39:00 PM	Lead	Total	DNQ	0.07	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/12/2018 5:10:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/12/2018 5:12:00 PM	Mercury	Total	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/8/2018 4:32:00 PM	Nickel	Dissolved	=	17	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/8/2018 4:39:00 PM	Nickel	Total	=	17	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/8/2018 4:32:00 PM	Selenium	Dissolved	DNQ	0.34	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/8/2018 4:39:00 PM	Selenium	Total	DNQ	0.34	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/8/2018 4:32:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/8/2018 4:39:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/8/2018 4:32:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/8/2018 4:39:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/8/2018 4:32:00 PM	Zinc	Dissolved	=	34	µg/L	EPA 200.8	0.94	5	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/8/2018 4:39:00 PM	Zinc	Total	=	35	µg/L	EPA 200.8	0.94	5	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	5/31/2018 6:42:00 PM	Ammonia as N	n/a	=	1.2	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/12/2018 12:20:00 PM	Nitrate + Nitrite as N	n/a	=	6.4	mg/L	EPA 353.2	0.083	0.2	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/27/2018 12:07:00 PM	Phosphorus as P	Dissolved	=	2.3	mg/L	EPA 365.1	0.028	0.2	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/20/2018 12:59:00 PM	Phosphorus as P	Total	=	2.2	mg/L	EPA 365.1	0.028	0.2	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/7/2018 4:39:00 PM	TKN	n/a	=	1.2	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/8/2018 4:51:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/8/2018 4:51:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/8/2018 4:51:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/8/2018 4:51:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/8/2018 4:51:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/13/2018 5:30:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/12/2018 9:37:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/8/2018 4:51:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/12/2018 9:37:00 PM	2,4,6-Trichlorophenol	n/a	DNQ	0.31	µg/L	EPA 8270C	0.3	1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/8/2018 4:51:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/12/2018 9:37:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/12/2018 9:37:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/8/2018 4:51:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/12/2018 9:37:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/8/2018 4:51:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/8/2018 4:51:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/8/2018 4:51:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/5/2018 7:30:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/8/2018 4:51:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/8/2018 4:51:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/12/2018 9:37:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/13/2018 5:30:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/12/2018 9:37:00 PM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/8/2018 4:51:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/12/2018 9:37:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/8/2018 4:51:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/12/2018 9:37:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/8/2018 4:51:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/18/2018 11:29:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/8/2018 4:51:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/12/2018 9:37:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/8/2018 4:51:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/8/2018 4:51:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/8/2018 4:51:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/18/2018 11:29:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/8/2018 4:51:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/13/2018 5:30:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/8/2018 4:51:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/13/2018 5:30:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/8/2018 4:51:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/13/2018 5:30:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/8/2018 4:51:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/13/2018 5:30:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/8/2018 4:51:00 AM	Benzo(a)pyrene	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/7/2018 3:15:00 AM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/8/2018 4:51:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/13/2018 5:30:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/8/2018 4:51:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/13/2018 5:30:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/8/2018 4:51:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/13/2018 5:30:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/8/2018 4:51:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/13/2018 5:30:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/8/2018 4:51:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/8/2018 4:51:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/8/2018 4:51:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/7/2018 3:15:00 AM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/7/2018 3:15:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/8/2018 4:51:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/8/2018 4:51:00 AM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/8/2018 4:51:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/13/2018 5:30:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/8/2018 4:51:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/13/2018 5:30:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/8/2018 4:51:00 AM	Diethyl phthalate	n/a	DNQ	0.15	µg/L	EPA 625	0.15	1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/8/2018 4:51:00 AM	Dimethyl phthalate	n/a	=	7.4	µg/L	EPA 625	0.18	1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/8/2018 4:51:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/8/2018 4:51:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/8/2018 4:51:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/13/2018 5:30:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/8/2018 4:51:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/13/2018 5:30:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/8/2018 4:51:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/8/2018 4:51:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/8/2018 4:51:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/8/2018 4:51:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/8/2018 4:51:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/13/2018 5:30:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/8/2018 4:51:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/5/2018 7:30:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/8/2018 4:51:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/13/2018 5:30:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/8/2018 4:51:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/8/2018 4:51:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/8/2018 4:51:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/8/2018 4:51:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/8/2018 4:51:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/13/2018 5:30:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/8/2018 4:51:00 AM	Phenol	n/a	DNQ	0.36	µg/L	EPA 625	0.16	1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/12/2018 9:37:00 AM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/8/2018 4:51:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/13/2018 5:30:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/19/2018 9:14:00 PM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/19/2018 9:14:00 PM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/19/2018 9:14:00 PM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/19/2018 9:14:00 PM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/19/2018 9:14:00 PM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/19/2018 9:14:00 PM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/19/2018 9:14:00 PM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/12/2018 8:47:00 PM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/12/2018 8:47:00 PM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/12/2018 8:47:00 PM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/12/2018 8:47:00 PM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/12/2018 8:47:00 PM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/11/2018 8:01:00 PM	4,4'-DDD	n/a	<	0.003	µg/L	EPA 608	0.003	0.05	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/11/2018 8:01:00 PM	4,4'-DDE	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.05	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/11/2018 8:01:00 PM	4,4'-DDT	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.01	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/12/2018 8:47:00 PM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/7/2018 3:15:00 AM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/11/2018 8:01:00 PM	Aldrin	n/a	<	0.0015	µg/L	EPA 608	0.0015	0.005	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/11/2018 8:01:00 PM	alpha-BHC	n/a	<	0.0018	µg/L	EPA 608	0.0018	0.01	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/11/2018 8:01:00 PM	alpha-Chlordane	n/a	<	0.0041	µg/L	EPA 608	0.0041	0.01	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/7/2018 3:15:00 AM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/13/2018 10:40:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/12/2018 8:47:00 PM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/11/2018 8:01:00 PM	beta-BHC	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.005	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/13/2018 10:40:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/7/2018 3:15:00 AM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/7/2018 3:15:00 AM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/7/2018 3:15:00 AM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/19/2018 9:14:00 PM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/7/2018 3:15:00 AM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/13/2018 10:40:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/13/2018 10:40:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/7/2018 3:15:00 AM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/12/2018 8:47:00 PM	Dalapon	n/a	DNQ	0.28	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/12/2018 8:47:00 PM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/11/2018 8:01:00 PM	delta-BHC	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.005	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/13/2018 10:40:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/13/2018 10:40:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/7/2018 3:15:00 AM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/13/2018 10:40:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/12/2018 8:47:00 PM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/12/2018 8:47:00 PM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/13/2018 10:40:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/11/2018 8:01:00 PM	Dieldrin	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.01	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/13/2018 10:40:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/7/2018 3:15:00 AM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/12/2018 8:47:00 PM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/7/2018 3:15:00 AM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/13/2018 10:40:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/7/2018 3:15:00 AM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/11/2018 8:01:00 PM	Endosulfan I	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.02	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/11/2018 8:01:00 PM	Endosulfan II	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/11/2018 8:01:00 PM	Endosulfan sulfate	n/a	<	0.008	µg/L	EPA 608	0.008	0.05	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/11/2018 8:01:00 PM	Endrin	n/a	<	0.0028	µg/L	EPA 608	0.0028	0.01	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/11/2018 8:01:00 PM	Endrin aldehyde	n/a	<	0.003	µg/L	EPA 608	0.003	0.01	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/7/2018 3:15:00 AM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/13/2018 10:40:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/13/2018 10:40:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/13/2018 10:40:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/13/2018 10:40:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/11/2018 8:01:00 PM	gamma-BHC (Lindane)	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.02	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/11/2018 8:01:00 PM	gamma-Chlordane	n/a	<	0.0044	µg/L	EPA 608	0.0044	0.01	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/12/2018 3:11:00 PM	Glyphosate	n/a	<	3.6	µg/L	EPA 547	3.6	10	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/11/2018 8:01:00 PM	Heptachlor	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.01	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/11/2018 8:01:00 PM	Heptachlor epoxide	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/13/2018 10:40:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/13/2018 10:40:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/11/2018 8:01:00 PM	Methoxychlor	n/a	<	0.0054	µg/L	EPA 608	0.0054	0.02	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/13/2018 10:40:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/7/2018 3:15:00 AM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/7/2018 3:15:00 AM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/13/2018 10:40:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/7/2018 3:15:00 AM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/13/2018 10:40:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/8/2018 4:51:00 AM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/12/2018 8:47:00 PM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/18/2018 11:29:00 PM	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/13/2018 10:40:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/12/2018 8:47:00 PM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/7/2018 3:15:00 AM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/7/2018 3:15:00 AM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/13/2018 10:40:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/7/2018 3:15:00 AM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/13/2018 10:40:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/7/2018 3:15:00 AM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/7/2018 3:15:00 AM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/13/2018 10:40:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/19/2018 9:14:00 PM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/13/2018 10:40:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-THO	2017/18-5	Dry	5/30/2018 9:50:00 AM	6/7/2018 3:15:00 AM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-THO	2018-DRY	Dry	8/21/2018 11:00:00 AM	8/22/2018 6:30:00 AM	E. Coli	n/a	=	20	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-THO	2018-DRY	Dry	8/21/2018 11:00:00 AM	8/22/2018 6:30:00 AM	Total Coliform	n/a	=	8664	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-THO	2018-DRY	Dry	8/21/2018 11:00:00 AM	8/24/2018 3:57:00 PM	Calcium	Total	=	35.7	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-THO	2018-DRY	Dry	8/21/2018 11:00:00 AM	8/21/2018 3:57:00 PM	Magnesium	Total	=	20.5	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-THO	2018-DRY	Dry	8/21/2018 11:00:00 AM	8/21/2018 11:00:00 AM	Conductivity	n/a	=	1381	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-THO	2018-DRY	Dry	8/21/2018 11:00:00 AM	8/21/2018 11:00:00 AM	Discharge	n/a	=	0.1	cfs	Field Estimate	-88	-88	Field Crew	EST
MO-THO	2018-DRY	Dry	8/21/2018 11:00:00 AM	8/21/2018 11:00:00 AM	DO	n/a	=	6.57	mg/L	Field Meter	-88	0.3	Field Crew	
MO-THO	2018-DRY	Dry	8/21/2018 11:00:00 AM	8/21/2018 11:00:00 AM	DO	n/a	=	68.3	%	Field Meter	-88	0.1	Field Crew	
MO-THO	2018-DRY	Dry	8/21/2018 11:00:00 AM	8/24/2018 3:57:00 PM	Hardness as CaCO3	Total	=	173	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-THO	2018-DRY	Dry	8/21/2018 11:00:00 AM	8/21/2018 11:00:00 AM	pH	n/a	=	7.69	pH Units	Field Meter	-88	0.01	Field Crew	
MO-THO	2018-DRY	Dry	8/21/2018 11:00:00 AM	8/21/2018 11:00:00 AM	Salinity	n/a	=	600	mg/L	Field Meter	-88	100	Field Crew	
MO-THO	2018-DRY	Dry	8/21/2018 11:00:00 AM	8/21/2018 11:00:00 AM	Specific Conductance	n/a	=	1372	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-THO	2018-DRY	Dry	8/21/2018 11:00:00 AM	8/21/2018 11:00:00 AM	Temperature	n/a	=	25.2	°C	Field Meter	-88	0.1	Field Crew	
MO-THO	2018-DRY	Dry	8/21/2018 11:00:00 AM	8/28/2018 12:44:00 PM	Total Organic Carbon	n/a	=	6.7	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-THO	2018-DRY	Dry	8/21/2018 11:00:00 AM	8/21/2018 11:00:00 AM	Turbidity	n/a	=	0.86	NTU	Field Meter	-88	0.01	Field Crew	
MO-THO	2018-DRY	Dry	8/21/2018 11:00:00 AM	8/28/2018 5:36:00 PM	Copper	Dissolved	=	2.2	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-THO	2018-DRY	Dry	8/21/2018 11:00:00 AM	8/28/2018 5:36:00 PM	Lead	Dissolved	DNQ	0.047	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-THO	2018-DRY	Dry	8/21/2018 11:00:00 AM	8/28/2018 5:36:00 PM	Zinc	Dissolved	=	34	µg/L	EPA 200.8	0.94	5	WKL	
MO-VEN	2017/18-1	Wet	1/8/2018 5:20:00 PM	1/9/2018 4:30:00 PM	E. Coli	n/a	=	17329	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-VEN	2017/18-1	Wet	1/8/2018 5:20:00 PM	1/11/2018 2:30:00 PM	Fecal Coliform	n/a	=	2400	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-VEN	2017/18-1	Wet	1/8/2018 5:20:00 PM	1/9/2018 4:30:00 PM	Total Coliform	n/a	=	365400	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-VEN	2017/18-1	Wet	1/8/2018 5:20:00 PM	1/16/2018 6:51:00 PM	Cyanide	Total	=	0.0021	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-VEN	2017/18-1	Wet	1/8/2018 5:20:00 PM	1/8/2018 5:20:00 PM	DO	n/a	=	10.75	mg/L	Field Meter	-88	0.3	Field Crew	
MO-VEN	2017/18-1	Wet	1/8/2018 5:20:00 PM	1/8/2018 5:20:00 PM	DO	n/a	=	108.4	%	Field Meter	-88	0.1	Field Crew	
MO-VEN	2017/18-1	Wet	1/8/2018 5:20:00 PM	1/8/2018 5:20:00 PM	pH	n/a	=	6.75	pH Units	Field Meter	-88	0.01	Field Crew	
MO-VEN	2017/18-1	Wet	1/8/2018 5:20:00 PM	1/8/2018 5:20:00 PM	Temperature	n/a	=	15.7	°C	Field Meter	-88	0.1	Field Crew	
MO-VEN	2017/18-1	Wet	1/8/2018 5:20:00 PM	1/18/2018 7:19:00 AM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
MO-VEN	2017/18-1	Wet	1/8/2018 5:20:00 PM	1/19/2018 5:44:00 PM	Oil and Grease	n/a	DNQ	2.9	mg/L	EPA 1664A	1.3	5	WKL	
MO-VEN	2017/18-1	Wet	1/8/2018 5:20:00 PM	1/12/2018 3:10:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-VEN	2017/18-1	Wet	1/8/2018 5:20:00 PM	1/12/2018 3:10:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/15/2018 1:00:00 PM	Chloride	n/a	=	13	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/15/2018 1:00:00 PM	Fluoride	n/a	=	0.16	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/20/2018 11:12:00 AM	Perchlorate	n/a	<	4.8	µg/L	EPA 314.0	4.8	10	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/15/2018 1:00:00 PM	Sulfate	Total	=	41	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/16/2018 8:19:00 PM	Calcium	Total	=	20.2	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/16/2018 8:19:00 PM	Magnesium	Total	=	4.81	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/17/2018 1:45:00 PM	Potassium	Total	=	4.9	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/16/2018 8:19:00 PM	Sodium	Total	=	15	mg/L	EPA 200.7	0.015	0.5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/15/2018 1:41:00 PM	Alkalinity as CaCO ₃	n/a	=	67	mg/L	SM 2320 B	0.56	2	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/15/2018 9:30:00 PM	BOD	n/a	=	210	mg/L	SM 5210 B	2	2	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/17/2018 2:50:00 PM	COD	n/a	=	120	mg/L	EPA 410.4	0.73	5	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/22/2018 4:21:00 PM	Dissolved Inorganic Carbon	Dissolved	=	11	mg/L	SM 5310 B	0.5	0.5	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/15/2018 12:47:00 PM	Dissolved Organic Carbon	Dissolved	=	18	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/16/2018 8:19:00 PM	Hardness as CaCO ₃	Total	=	70.2	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/10/2018 11:03:00 PM	MBAS	n/a	=	0.32	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/19/2018 10:16:00 AM	Phenolics	n/a	=	0.039	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/15/2018 5:11:00 PM	Specific Conductance	n/a	=	270	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/15/2018 7:29:00 PM	Total Dissolved Solids	n/a	=	170	mg/L	SM 2540 C	4	10	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/11/2018 10:27:00 AM	Total Organic Carbon	n/a	=	21	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/12/2018 1:05:00 PM	Total Suspended Solids	n/a	=	500	mg/L	SM 2540 D	-88	5	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/10/2018 4:17:00 PM	Turbidity	n/a	=	56	NTU	EPA 180.1	0.24	1	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/12/2018 1:05:00 PM	Volatile Suspended Solids	n/a	=	140	mg/L	EPA 160.4	3.1	5	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/25/2018 12:42:00 PM	Diesel Range Organics	n/a	=	1	mg/L	EPA 8015D	0.048	0.2	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/25/2018 12:42:00 PM	Oil Range Organics	n/a	=	1.7	mg/L	EPA 8015D	0.66	1	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/24/2018 10:03:00 PM	Aluminum	Dissolved	=	32	µg/L	EPA 200.8	1.3	5	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/24/2018 10:11:00 PM	Aluminum	Total	=	2200	µg/L	EPA 200.8	1.3	5	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/24/2018 10:03:00 PM	Antimony	Dissolved	=	0.8	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/24/2018 10:11:00 PM	Antimony	Total	=	1.7	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/24/2018 10:03:00 PM	Arsenic	Dissolved	=	1.5	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/24/2018 10:11:00 PM	Arsenic	Total	=	2.9	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/24/2018 10:11:00 PM	Barium	Total	=	53	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/24/2018 10:03:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/24/2018 10:11:00 PM	Beryllium	Total	DNQ	0.06	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/24/2018 10:03:00 PM	Cadmium	Dissolved	DNQ	0.07	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/24/2018 10:11:00 PM	Cadmium	Total	=	0.33	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/24/2018 10:03:00 PM	Chromium	Dissolved	=	0.89	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/24/2018 10:11:00 PM	Chromium	Total	=	5.1	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/12/2018 8:14:00 PM	Chromium VI	n/a	=	0.87	µg/L	EPA 218.6	0.024	0.1	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/24/2018 10:03:00 PM	Copper	Dissolved	=	8.6	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/24/2018 10:11:00 PM	Copper	Total	=	48	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/16/2018 7:47:00 PM	Iron	Dissolved	=	93	µg/L	EPA 200.7	1.1	10	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/16/2018 8:19:00 PM	Iron	Total	=	3800	µg/L	EPA 200.7	1.1	10	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/24/2018 10:03:00 PM	Lead	Dissolved	=	0.67	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/24/2018 10:11:00 PM	Lead	Total	=	9	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/23/2018 2:07:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/23/2018 2:05:00 PM	Mercury	Total	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/24/2018 10:03:00 PM	Nickel	Dissolved	=	2.9	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/24/2018 10:11:00 PM	Nickel	Total	=	7.4	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/24/2018 10:03:00 PM	Selenium	Dissolved	DNQ	0.39	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/24/2018 10:11:00 PM	Selenium	Total	=	0.63	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/24/2018 10:03:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/24/2018 10:11:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/24/2018 10:03:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/24/2018 10:11:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/24/2018 10:03:00 PM	Zinc	Dissolved	=	47	µg/L	EPA 200.8	0.94	5	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/24/2018 10:11:00 PM	Zinc	Total	=	190	µg/L	EPA 200.8	0.94	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/19/2018 4:44:00 PM	Ammonia as N	n/a	=	0.49	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/15/2018 12:14:00 PM	Nitrate + Nitrite as N	n/a	=	0.61	mg/L	EPA 353.2	0.083	0.2	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/15/2018 6:55:00 PM	Phosphorus as P	Dissolved	=	0.29	mg/L	EPA 365.1	0.007	0.05	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/16/2018 11:52:00 AM	Phosphorus as P	Total	=	0.65	mg/L	EPA 365.1	0.0056	0.04	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/26/2018 5:19:00 PM	TKN	n/a	=	2.8	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/15/2018 7:30:00 PM	1,2,4-Trichlorobenzene	n/a	<	5.5	µg/L	EPA 625	5.5	10	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/15/2018 7:30:00 PM	1,2-Dichlorobenzene	n/a	<	5.7	µg/L	EPA 625	5.7	10	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/15/2018 7:30:00 PM	1,2-Diphenylhydrazine	n/a	<	2.5	µg/L	EPA 625	2.5	10	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/15/2018 7:30:00 PM	1,3-Dichlorobenzene	n/a	<	5.3	µg/L	EPA 625	5.3	10	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/15/2018 7:30:00 PM	1,4-Dichlorobenzene	n/a	<	5.5	µg/L	EPA 625	5.5	10	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	2/1/2018 9:09:00 PM	1-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/29/2018 3:46:00 PM	2,4,5-Trichlorophenol	n/a	<	2.9	µg/L	EPA 8270C	2.9	10	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/15/2018 7:30:00 PM	2,4,6-Trichlorophenol	n/a	<	2.2	µg/L	EPA 625	2.2	10	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/29/2018 3:46:00 PM	2,4,6-Trichlorophenol	n/a	<	3	µg/L	EPA 8270C	3	10	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/15/2018 7:30:00 PM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 625	2.6	10	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/29/2018 3:46:00 PM	2,4-Dichlorophenol	n/a	<	5.1	µg/L	EPA 8270C	5.1	10	WKL	EST-LCSRPD
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/15/2018 7:30:00 PM	2,4-Dimethylphenol	n/a	<	3	µg/L	EPA 625	3	10	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/29/2018 3:46:00 PM	2,4-Dimethylphenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	EST-LCSRPD
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/29/2018 3:46:00 PM	2,4-Dinitrophenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/15/2018 7:30:00 PM	2,4-Dinitrophenol	n/a	<	16	µg/L	EPA 625	16	100	WKL	EST-LCSRPD
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/15/2018 7:30:00 PM	2,4-Dinitrotoluene	n/a	<	1.8	µg/L	EPA 625	1.8	10	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/15/2018 7:30:00 PM	2,6-Dinitrotoluene	n/a	<	2.7	µg/L	EPA 625	2.7	10	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/15/2018 7:30:00 PM	2-Chloronaphthalene	n/a	<	4.5	µg/L	EPA 625	4.5	10	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/29/2018 3:46:00 PM	2-Chlorophenol	n/a	<	6.5	µg/L	EPA 8270C	6.5	10	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/15/2018 7:30:00 PM	2-Chlorophenol	n/a	<	2.8	µg/L	EPA 625	2.8	10	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	2/1/2018 9:09:00 PM	2-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/29/2018 3:46:00 PM	2-Methylphenol	n/a	<	3.4	µg/L	EPA 8270C	3.4	10	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/15/2018 7:30:00 PM	2-Nitrophenol	n/a	<	2.6	µg/L	EPA 625	2.6	10	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/29/2018 3:46:00 PM	2-Nitrophenol	n/a	<	7.1	µg/L	EPA 8270C	7.1	10	WKL	EST-LCSRPD
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/15/2018 7:30:00 PM	3,3'-Dichlorobenzidine	n/a	<	12	µg/L	EPA 625	12	50	WKL	EST-LCSRPD
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/29/2018 3:46:00 PM	3-/4-Methylphenol	n/a	<	3	µg/L	EPA 8270C	3	10	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/15/2018 7:30:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	17	µg/L	EPA 625	17	50	WKL	EST-LCSRPD
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/29/2018 3:46:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	10	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/15/2018 7:30:00 PM	4-Bromophenyl phenyl ether	n/a	<	3.6	µg/L	EPA 625	3.6	10	WKL	EST-LCSRPD
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/29/2018 3:46:00 PM	4-Chloro-3-methylphenol	n/a	<	3.7	µg/L	EPA 8270C	3.7	10	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/15/2018 7:30:00 PM	4-Chloro-3-methylphenol	n/a	<	2.3	µg/L	EPA 625	2.3	10	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/15/2018 7:30:00 PM	4-Chlorophenyl phenyl ether	n/a	<	4.1	µg/L	EPA 625	4.1	10	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/29/2018 3:46:00 PM	4-Nitrophenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/15/2018 7:30:00 PM	4-Nitrophenol	n/a	<	4.5	µg/L	EPA 625	4.5	50	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	2/1/2018 9:09:00 PM	Acenaphthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/15/2018 7:30:00 PM	Acenaphthene	n/a	<	3.8	µg/L	EPA 625	3.8	10	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/15/2018 7:30:00 PM	Acenaphthylene	n/a	<	4	µg/L	EPA 625	4	10	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	2/1/2018 9:09:00 PM	Acenaphthylene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/15/2018 7:30:00 PM	Anthracene	n/a	<	3.4	µg/L	EPA 625	3.4	10	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	2/1/2018 9:09:00 PM	Anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	2/1/2018 9:09:00 PM	Benz(a)anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/15/2018 7:30:00 PM	Benz(a)anthracene	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	EST-LCSRPD
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/15/2018 7:30:00 PM	Benzdine	n/a	<	37	µg/L	EPA 625	37	100	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	2/1/2018 9:09:00 PM	Benzo(a)pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/23/2018 11:01:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/15/2018 7:30:00 PM	Benzo(a)pyrene	n/a	<	1.3	µg/L	EPA 625	1.3	10	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/15/2018 7:30:00 PM	Benzo(b)fluoranthene	n/a	<	1.4	µg/L	EPA 625	1.4	10	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	2/1/2018 9:09:00 PM	Benzo(b)fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	2/1/2018 9:09:00 PM	Benzo(g,h,i)perylene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/15/2018 7:30:00 PM	Benzo(g,h,i)perylene	n/a	<	1	µg/L	EPA 625	1	20	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	2/1/2018 9:09:00 PM	Benzo(k)fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/15/2018 7:30:00 PM	Benzo(k)fluoranthene	n/a	<	2.2	µg/L	EPA 625	2.2	10	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/15/2018 7:30:00 PM	Bis(2-chloroethoxy)methane	n/a	<	2.5	µg/L	EPA 625	2.5	10	WKL	EST-LCSRPD
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/15/2018 7:30:00 PM	Bis(2-chloroethyl)ether	n/a	<	2.7	µg/L	EPA 625	2.7	10	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/15/2018 7:30:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	3.8	µg/L	EPA 625	3.8	10	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/23/2018 11:01:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/15/2018 7:30:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	23	µg/L	EPA 625	23	50	WKL	EST-LCSRPD
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/23/2018 11:01:00 PM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	2.8	µg/L	EPA 525.2	1.1	3	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/15/2018 7:30:00 PM	Butyl benzyl phthalate	n/a	<	1.8	µg/L	EPA 625	1.8	10	WKL	EST-LCSRPD
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	2/1/2018 9:09:00 PM	Chrysene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/15/2018 7:30:00 PM	Chrysene	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/15/2018 7:30:00 PM	Dibenz(a,h)anthracene	n/a	<	0.8	µg/L	EPA 625	0.8	20	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	2/1/2018 9:09:00 PM	Dibenz(a,h)anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/15/2018 7:30:00 PM	Diethyl phthalate	n/a	<	1.5	µg/L	EPA 625	1.5	10	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/15/2018 7:30:00 PM	Dimethyl phthalate	n/a	<	1.8	µg/L	EPA 625	1.8	10	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/15/2018 7:30:00 PM	Di-n-butylphthalate	n/a	<	2.4	µg/L	EPA 625	2.4	10	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/15/2018 7:30:00 PM	Di-n-octylphthalate	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	EST-LCSRPD
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	2/1/2018 9:09:00 PM	Fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/15/2018 7:30:00 PM	Fluoranthene	n/a	<	2.2	µg/L	EPA 625	2.2	10	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/15/2018 7:30:00 PM	Fluorene	n/a	<	3.5	µg/L	EPA 625	3.5	10	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	2/1/2018 9:09:00 PM	Fluorene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/15/2018 7:30:00 PM	Hexachlorobenzene	n/a	<	4.9	µg/L	EPA 625	4.9	10	WKL	EST-LCSRPD
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/15/2018 7:30:00 PM	Hexachlorobutadiene	n/a	<	4.7	µg/L	EPA 625	4.7	10	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/15/2018 7:30:00 PM	Hexachlorocyclopentadiene	n/a	<	15	µg/L	EPA 625	15	50	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/15/2018 7:30:00 PM	Hexachloroethane	n/a	<	5.2	µg/L	EPA 625	5.2	10	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	2/1/2018 9:09:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/15/2018 7:30:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	1.2	µg/L	EPA 625	1.2	20	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/15/2018 7:30:00 PM	Isophorone	n/a	<	2.1	µg/L	EPA 625	2.1	10	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	2/1/2018 9:09:00 PM	Naphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/15/2018 7:30:00 PM	Naphthalene	n/a	<	4.9	µg/L	EPA 625	4.9	10	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/15/2018 7:30:00 PM	Nitrobenzene	n/a	<	3.6	µg/L	EPA 625	3.6	10	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/15/2018 7:30:00 PM	N-Nitrosodimethylamine	n/a	<	1.4	µg/L	EPA 625	1.4	10	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/15/2018 7:30:00 PM	N-Nitrosodi-N-propylamine	n/a	<	2.6	µg/L	EPA 625	2.6	10	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/15/2018 7:30:00 PM	N-Nitrosodiphenylamine	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	2/1/2018 9:09:00 PM	Phenanthrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/15/2018 7:30:00 PM	Phenanthrene	n/a	<	3.2	µg/L	EPA 625	3.2	10	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/15/2018 7:30:00 PM	Phenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/29/2018 3:46:00 PM	Phenol	n/a	<	3.5	µg/L	EPA 8270C	3.5	10	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	2/1/2018 9:09:00 PM	Pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/15/2018 7:30:00 PM	Pyrene	n/a	<	2.5	µg/L	EPA 625	2.5	10	WKL	EST-LCSRPD
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/23/2018 5:25:00 AM	PCB Aroclor 1016	n/a	<	0.5	µg/L	EPA 608	0.5	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/23/2018 5:25:00 AM	PCB Aroclor 1221	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL		
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/23/2018 5:25:00 AM	PCB Aroclor 1232	n/a	<	1.5	µg/L	EPA 608	1.5	5	WKL		
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/23/2018 5:25:00 AM	PCB Aroclor 1242	n/a	<	0.7	µg/L	EPA 608	0.7	5	WKL		
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/23/2018 5:25:00 AM	PCB Aroclor 1248	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL		
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/23/2018 5:25:00 AM	PCB Aroclor 1254	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL		
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/23/2018 5:25:00 AM	PCB Aroclor 1260	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL		
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/12/2018 11:31:00 PM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL		
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/12/2018 11:31:00 PM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL		
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/12/2018 11:31:00 PM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL		
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/12/2018 11:31:00 PM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL		
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/12/2018 11:31:00 PM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL		
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/23/2018 5:25:00 AM		4,4'-DDD	n/a	<	0.03	µg/L	EPA 608	0.03	0.5	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/23/2018 5:25:00 AM		4,4'-DDE	n/a	<	0.025	µg/L	EPA 608	0.025	0.5	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/23/2018 5:25:00 AM		4,4'-DDT	n/a	<	0.031	µg/L	EPA 608	0.031	0.1	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/12/2018 11:31:00 PM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL		
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/23/2018 11:01:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL		
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/23/2018 5:25:00 AM	Aldrin	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL		
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/23/2018 5:25:00 AM	alpha-BHC	n/a	<	0.018	µg/L	EPA 608	0.018	0.1	WKL		
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/23/2018 5:25:00 AM	alpha-Chlordane	n/a	<	0.041	µg/L	EPA 608	0.041	0.1	WKL		
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/23/2018 11:01:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL		
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	2/2/2018 10:17:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL		
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/12/2018 11:31:00 PM		Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/23/2018 5:25:00 AM	beta-BHC	n/a	<	0.031	µg/L	EPA 608	0.031	0.05	WKL		
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	2/2/2018 10:17:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL		
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/23/2018 11:01:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL		
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/23/2018 11:01:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL		
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/23/2018 11:01:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL		
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/23/2018 5:25:00 AM	Chlordane (technical)	n/a	<	0.8	µg/L	EPA 608	0.8	1	WKL		
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/23/2018 11:01:00 PM	Chloropropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL		
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	2/2/2018 10:17:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL		
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	2/2/2018 10:17:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL		
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/23/2018 11:01:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL		
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/12/2018 11:31:00 PM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL		
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/12/2018 11:31:00 PM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL		
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/23/2018 5:25:00 AM	delta-BHC	n/a	<	0.025	µg/L	EPA 608	0.025	0.05	WKL		
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	2/2/2018 10:17:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL		
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	2/2/2018 10:17:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL		
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/23/2018 11:01:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL		
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	2/2/2018 10:17:00 PM	Diazinon	n/a	DNQ	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL		
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/12/2018 11:31:00 PM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL		
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/12/2018 11:31:00 PM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL		
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	2/2/2018 10:17:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL		
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/23/2018 5:25:00 AM	Dieldrin	n/a	<	0.021	µg/L	EPA 608	0.021	0.1	WKL		
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/23/2018 11:01:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL		
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	2/6/2018 6:26:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL		
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/12/2018 11:31:00 PM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL		
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/23/2018 11:01:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL		
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	2/2/2018 10:17:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL		

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/23/2018 11:01:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/23/2018 5:25:00 AM	Endosulfan I	n/a	<	0.017	µg/L	EPA 608	0.017	0.2	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/23/2018 5:25:00 AM	Endosulfan II	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/23/2018 5:25:00 AM	Endosulfan sulfate	n/a	<	0.08	µg/L	EPA 608	0.08	0.5	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/23/2018 5:25:00 AM	Endrin	n/a	<	0.028	µg/L	EPA 608	0.028	0.1	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/23/2018 5:25:00 AM	Endrin aldehyde	n/a	<	0.03	µg/L	EPA 608	0.03	0.1	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/23/2018 11:01:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	2/2/2018 10:17:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	2/2/2018 10:17:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	2/2/2018 10:17:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	2/2/2018 10:17:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/23/2018 5:25:00 AM	gamma-BHC (Lindane)	n/a	<	0.021	µg/L	EPA 608	0.021	0.2	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/23/2018 5:25:00 AM	gamma-Chlordane	n/a	<	0.044	µg/L	EPA 608	0.044	0.1	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/10/2018 7:45:00 PM	Glyphosate	n/a	=	16	µg/L	EPA 547	3.6	10	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/23/2018 5:25:00 AM	Heptachlor	n/a	<	0.017	µg/L	EPA 608	0.017	0.1	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/23/2018 5:25:00 AM	Heptachlor epoxide	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	2/2/2018 10:17:00 PM	Malathion	n/a	=	0.042	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	2/2/2018 10:17:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/23/2018 5:25:00 AM	Methoxychlor	n/a	<	0.054	µg/L	EPA 608	0.054	0.2	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	2/2/2018 10:17:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/23/2018 11:01:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/23/2018 11:01:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	2/2/2018 10:17:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/23/2018 11:01:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	2/2/2018 10:17:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/29/2018 3:46:00 PM	Pentachlorophenol	n/a	DNQ	4.5	µg/L	EPA 8270C	1.5	10	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/12/2018 11:31:00 PM	Pentachlorophenol	n/a	DNQ	0.15	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/15/2018 7:30:00 PM	Pentachlorophenol	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	EST-LCSRDP
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	2/2/2018 10:17:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/12/2018 11:31:00 PM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/23/2018 11:01:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	EST-LCSRDP
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/23/2018 11:01:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	2/2/2018 10:17:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/23/2018 11:01:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	2/2/2018 10:17:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/23/2018 11:01:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/23/2018 11:01:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	2/2/2018 10:17:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/23/2018 5:25:00 AM	Toxaphene	n/a	<	1.2	µg/L	EPA 608	1.2	5	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	2/2/2018 10:17:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-VEN	2017/18-1	Wet	1/9/2018 1:45:00 PM	1/23/2018 11:01:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-VEN	2017/18-2	Wet	3/2/2018 5:40:00 AM	3/3/2018 5:40:00 AM	E. Coli	n/a	=	2282	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-VEN	2017/18-2	Wet	3/2/2018 5:40:00 AM	3/5/2018 12:00:00 PM	Fecal Coliform	n/a	=	3500	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-VEN	2017/18-2	Wet	3/2/2018 5:40:00 AM	3/3/2018 8:45:00 AM	Total Coliform	n/a	=	129970	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-VEN	2017/18-2	Wet	3/2/2018 5:40:00 AM	3/2/2018 5:40:00 AM	Conductivity	n/a	=	152	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-VEN	2017/18-2	Wet	3/2/2018 5:40:00 AM	3/7/2018 4:36:00 PM	Cyanide	Total	=	0.0025	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-VEN	2017/18-2	Wet	3/2/2018 5:40:00 AM	3/2/2018 5:40:00 AM	DO	n/a	=	9.18	mg/L	Field Meter	-88	0.3	Field Crew	
MO-VEN	2017/18-2	Wet	3/2/2018 5:40:00 AM	3/2/2018 5:40:00 AM	DO	n/a	=	89.2	%	Field Meter	-88	0.1	Field Crew	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2017/18-2	Wet	3/2/2018 5:40:00 AM	3/2/2018 5:40:00 AM	pH	n/a	=	7.91	pH Units	Field Meter	-88	0.01	Field Crew	
MO-VEN	2017/18-2	Wet	3/2/2018 5:40:00 AM	3/2/2018 5:40:00 AM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	
MO-VEN	2017/18-2	Wet	3/2/2018 5:40:00 AM	3/2/2018 5:40:00 AM	Specific Conductance	n/a	=	192.4	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-VEN	2017/18-2	Wet	3/2/2018 5:40:00 AM	3/2/2018 5:40:00 AM	Temperature	n/a	=	14	°C	Field Meter	-88	0.1	Field Crew	
MO-VEN	2017/18-2	Wet	3/2/2018 5:40:00 AM	3/5/2018 9:45:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
MO-VEN	2017/18-2	Wet	3/2/2018 5:40:00 AM	3/13/2018 5:21:00 PM	Oil and Grease	n/a	DNQ	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-VEN	2017/18-2	Wet	3/2/2018 5:40:00 AM	3/5/2018 6:05:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-VEN	2017/18-2	Wet	3/2/2018 5:40:00 AM	3/5/2018 6:05:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/15/2018 7:00:00 PM	Chloride	n/a	=	15	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/15/2018 7:00:00 PM	Fluoride	n/a	=	0.15	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/5/2018 5:40:00 PM	Perchlorate	n/a	<	2.8	µg/L	EPA 314.0	2.8	6	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/15/2018 7:00:00 PM	Sulfate	Total	=	28	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/19/2018 3:47:00 PM	Calcium	Total	=	14.9	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/19/2018 3:47:00 PM	Magnesium	Total	=	3.72	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/19/2018 3:47:00 PM	Potassium	Total	=	4.4	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/19/2018 3:47:00 PM	Sodium	Total	=	13	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/5/2018 3:47:00 PM	Alkalinity as CaCO3	n/a	=	38	mg/L	SM 2320 B	0.56	2	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/9/2018 12:10:00 PM	BOD	n/a	=	12	mg/L	SM 5210 B	2	2	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/13/2018 9:29:00 AM	COD	n/a	=	120	mg/L	EPA 410.4	0.73	5	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/13/2018 12:33:00 PM	Dissolved Inorganic Carbon	Dissolved	=	7.5	mg/L	SM 5310 B	0.5	0.5	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/9/2018 8:50:00 AM	Dissolved Organic Carbon	Dissolved	=	20	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/19/2018 3:47:00 PM	Hardness as CaCO3	Total	=	52.6	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/4/2018 7:25:00 PM	MBAS	n/a	=	0.39	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/20/2018 3:42:00 PM	Phenolics	n/a	=	0.015	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/7/2018 4:04:00 PM	Specific Conductance	n/a	=	190	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/8/2018 5:49:00 PM	Total Dissolved Solids	n/a	=	140	mg/L	SM 2540 C	4	10	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/12/2018 10:51:00 AM	Total Organic Carbon	n/a	=	21	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/8/2018 5:55:00 PM	Total Suspended Solids	n/a	=	180	mg/L	SM 2540 D	-88	5	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/4/2018 11:49:00 AM	Turbidity	n/a	=	38	NTU	EPA 180.1	0.024	0.1	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/8/2018 5:55:00 PM	Volatile Suspended Solids	n/a	=	49	mg/L	EPA 160.4	3.1	5	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/15/2018 10:10:00 PM	Diesel Range Organics	n/a	=	1.8	mg/L	EPA 8015D	0.024	0.1	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/15/2018 10:10:00 PM	Oil Range Organics	n/a	=	2.3	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/19/2018 1:59:00 PM	Aluminum	Dissolved	=	39	µg/L	EPA 200.8	1.3	5	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/19/2018 2:04:00 PM	Aluminum	Total	=	2200	µg/L	EPA 200.8	1.3	5	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/20/2018 12:53:00 PM	Antimony	Dissolved	=	1.2	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/20/2018 12:56:00 PM	Antimony	Total	=	1.9	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/19/2018 1:59:00 PM	Arsenic	Dissolved	=	1.3	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/19/2018 2:04:00 PM	Arsenic	Total	=	2.2	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/19/2018 2:04:00 PM	Barium	Total	=	52	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/20/2018 12:53:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/20/2018 12:56:00 PM	Beryllium	Total	DNQ	0.07	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/19/2018 1:59:00 PM	Cadmium	Dissolved	DNQ	0.061	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/19/2018 2:04:00 PM	Cadmium	Total	=	0.23	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/19/2018 1:59:00 PM	Chromium	Dissolved	=	1	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/19/2018 2:04:00 PM	Chromium	Total	=	5.5	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/11/2018 2:24:00 PM	Chromium VI	n/a	=	0.84	µg/L	EPA 218.6	0.024	0.1	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/19/2018 1:59:00 PM	Copper	Dissolved	=	12	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/19/2018 2:04:00 PM	Copper	Total	=	36	µg/L	EPA 200.8	0.13	0.5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/19/2018 3:03:00 PM	Iron	Dissolved	=	58	µg/L	EPA 200.7	1.1	10	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/19/2018 3:47:00 PM	Iron	Total	=	3300	µg/L	EPA 200.7	1.1	10	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/19/2018 1:59:00 PM	Lead	Dissolved	=	0.67	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/19/2018 2:04:00 PM	Lead	Total	=	11	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/15/2018 12:25:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/15/2018 12:27:00 PM	Mercury	Total	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/19/2018 1:59:00 PM	Nickel	Dissolved	=	3	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/19/2018 2:04:00 PM	Nickel	Total	=	7.5	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/19/2018 1:59:00 PM	Selenium	Dissolved	=	0.42	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/19/2018 2:04:00 PM	Selenium	Total	=	0.62	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/19/2018 1:59:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/19/2018 2:04:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/19/2018 1:59:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/19/2018 2:04:00 PM	Thallium	Total	DNQ	0.026	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/19/2018 1:59:00 PM	Zinc	Dissolved	=	110	µg/L	EPA 200.8	0.94	5	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/19/2018 2:04:00 PM	Zinc	Total	=	270	µg/L	EPA 200.8	0.94	5	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/14/2018 6:29:00 PM	Ammonia as N	n/a	=	0.37	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/6/2018 8:30:00 PM	Nitrate + Nitrite as N	n/a	=	0.76	mg/L	EPA 353.2	0.083	0.2	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/19/2018 12:37:00 PM	Phosphorus as P	Dissolved	=	0.31	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/16/2018 12:02:00 PM	Phosphorus as P	Total	=	0.58	mg/L	EPA 365.1	0.007	0.05	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/19/2018 3:16:00 PM	TKN	n/a	=	2.4	mg/L	EPA 351.2	0.1	0.2	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/15/2018 3:32:00 AM	1,2,4-Trichlorobenzene	n/a	<	5.5	µg/L	EPA 625	5.5	10	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/15/2018 3:32:00 AM	1,2-Dichlorobenzene	n/a	<	5.7	µg/L	EPA 625	5.7	10	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/15/2018 3:32:00 AM	1,2-Diphenylhydrazine	n/a	<	2.5	µg/L	EPA 625	2.5	10	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/15/2018 3:32:00 AM	1,3-Dichlorobenzene	n/a	<	5.3	µg/L	EPA 625	5.3	10	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/15/2018 3:32:00 AM	1,4-Dichlorobenzene	n/a	<	5.5	µg/L	EPA 625	5.5	10	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/20/2018 7:10:00 AM	1-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/26/2018 4:19:00 PM	2,4,5-Trichlorophenol	n/a	<	2.9	µg/L	EPA 8270C	2.9	10	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/15/2018 3:32:00 AM	2,4,6-Trichlorophenol	n/a	<	2.2	µg/L	EPA 625	2.2	10	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/26/2018 4:19:00 PM	2,4,6-Trichlorophenol	n/a	<	3	µg/L	EPA 8270C	3	10	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/15/2018 3:32:00 AM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 625	2.6	10	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/26/2018 4:19:00 PM	2,4-Dichlorophenol	n/a	<	5.1	µg/L	EPA 8270C	5.1	10	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/15/2018 3:32:00 AM	2,4-Dimethylphenol	n/a	<	3	µg/L	EPA 625	3	10	WKL	EST-LCSRPD
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/26/2018 4:19:00 PM	2,4-Dimethylphenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	LCSRPD, LB-L
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/15/2018 3:32:00 AM	2,4-Dinitrophenol	n/a	<	16	µg/L	EPA 625	16	100	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/26/2018 4:19:00 PM	2,4-Dinitrophenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/15/2018 3:32:00 AM	2,4-Dinitrotoluene	n/a	<	1.8	µg/L	EPA 625	1.8	10	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/15/2018 3:32:00 AM	2,6-Dinitrotoluene	n/a	<	2.7	µg/L	EPA 625	2.7	10	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/15/2018 3:32:00 AM	2-Chloronaphthalene	n/a	<	4.5	µg/L	EPA 625	4.5	10	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/15/2018 3:32:00 AM	2-Chlorophenol	n/a	<	2.8	µg/L	EPA 625	2.8	10	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/26/2018 4:19:00 PM	2-Chlorophenol	n/a	<	6.5	µg/L	EPA 8270C	6.5	10	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/20/2018 7:10:00 AM	2-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/26/2018 4:19:00 PM	2-Methylphenol	n/a	<	3.4	µg/L	EPA 8270C	3.4	10	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/15/2018 3:32:00 AM	2-Nitrophenol	n/a	<	2.6	µg/L	EPA 625	2.6	10	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/26/2018 4:19:00 PM	2-Nitrophenol	n/a	<	7.1	µg/L	EPA 8270C	7.1	10	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/15/2018 3:32:00 AM	3,3'-Dichlorobenzidine	n/a	<	12	µg/L	EPA 625	12	50	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/26/2018 4:19:00 PM	3-/4-Methylphenol	n/a	<	3	µg/L	EPA 8270C	3	10	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/26/2018 4:19:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	10	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/15/2018 3:32:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	17	µg/L	EPA 625	17	50	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/15/2018 3:32:00 AM	4-Bromophenyl phenyl ether	n/a	<	3.6	µg/L	EPA 625	3.6	10	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/26/2018 4:19:00 PM	4-Chloro-3-methylphenol	n/a	<	3.7	µg/L	EPA 8270C	3.7	10	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/15/2018 3:32:00 AM	4-Chloro-3-methylphenol	n/a	<	2.3	µg/L	EPA 625	2.3	10	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/15/2018 3:32:00 AM	4-Chlorophenyl phenyl ether	n/a	<	4.1	µg/L	EPA 625	4.1	10	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/15/2018 3:32:00 AM	4-Nitrophenol	n/a	<	4.5	µg/L	EPA 625	4.5	50	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/26/2018 4:19:00 PM	4-Nitrophenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/15/2018 3:32:00 AM	Acenaphthene	n/a	<	3.8	µg/L	EPA 625	3.8	10	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/20/2018 7:10:00 AM	Acenaphthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/15/2018 3:32:00 AM	Acenaphthylene	n/a	<	4	µg/L	EPA 625	4	10	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/20/2018 7:10:00 AM	Acenaphthylene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/15/2018 3:32:00 AM	Anthracene	n/a	<	3.4	µg/L	EPA 625	3.4	10	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/20/2018 7:10:00 AM	Anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/15/2018 3:32:00 AM	Benz(a)anthracene	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/20/2018 7:10:00 AM	Benz(a)anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/15/2018 3:32:00 AM	Benzo(a)pyrene	n/a	<	37	µg/L	EPA 625	37	100	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/15/2018 3:32:00 AM	Benzo(a)pyrene	n/a	<	1.3	µg/L	EPA 625	1.3	10	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/20/2018 7:10:00 AM	Benzo(a)pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/20/2018 1:58:00 AM	Benzo(a)pyrene	n/a	<	0.35	µg/L	EPA 525.2	0.35	0.5	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/15/2018 3:32:00 AM	Benzo(b)fluoranthene	n/a	<	1.4	µg/L	EPA 625	1.4	10	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/20/2018 7:10:00 AM	Benzo(b)fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/15/2018 3:32:00 AM	Benzo(g,h,i)perylene	n/a	<	1	µg/L	EPA 625	1	20	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/20/2018 7:10:00 AM	Benzo(g,h,i)perylene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/15/2018 3:32:00 AM	Benzo(k)fluoranthene	n/a	<	2.2	µg/L	EPA 625	2.2	10	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/20/2018 7:10:00 AM	Benzo(k)fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/15/2018 3:32:00 AM	Bis(2-chloroethoxy)methane	n/a	<	2.5	µg/L	EPA 625	2.5	10	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/15/2018 3:32:00 AM	Bis(2-chloroethyl)ether	n/a	<	2.7	µg/L	EPA 625	2.7	10	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/15/2018 3:32:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	3.8	µg/L	EPA 625	3.8	10	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/20/2018 1:58:00 AM	Bis(2-ethylhexyl)adipate	n/a	<	0.52	µg/L	EPA 525.2	0.52	25	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/20/2018 1:58:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	5.3	µg/L	EPA 525.2	5.3	15	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/15/2018 3:32:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	23	µg/L	EPA 625	23	50	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/15/2018 3:32:00 AM	Butyl benzyl phthalate	n/a	<	1.8	µg/L	EPA 625	1.8	10	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/15/2018 3:32:00 AM	Chrysene	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/20/2018 7:10:00 AM	Chrysene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/15/2018 3:32:00 AM	Dibenz(a,h)anthracene	n/a	<	0.8	µg/L	EPA 625	0.8	20	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/20/2018 7:10:00 AM	Dibenz(a,h)anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/15/2018 3:32:00 AM	Diethyl phthalate	n/a	<	1.5	µg/L	EPA 625	1.5	10	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/15/2018 3:32:00 AM	Dimethyl phthalate	n/a	<	1.8	µg/L	EPA 625	1.8	10	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/15/2018 3:32:00 AM	Di-n-butylphthalate	n/a	<	2.4	µg/L	EPA 625	2.4	10	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/15/2018 3:32:00 AM	Di-n-octylphthalate	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/15/2018 3:32:00 AM	Fluoranthene	n/a	<	2.2	µg/L	EPA 625	2.2	10	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/20/2018 7:10:00 AM	Fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/20/2018 7:10:00 AM	Fluorene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/15/2018 3:32:00 AM	Fluorene	n/a	<	3.5	µg/L	EPA 625	3.5	10	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/15/2018 3:32:00 AM	Hexachlorobenzene	n/a	<	4.9	µg/L	EPA 625	4.9	10	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/15/2018 3:32:00 AM	Hexachlorobutadiene	n/a	<	4.7	µg/L	EPA 625	4.7	10	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/15/2018 3:32:00 AM	Hexachlorocyclopentadiene	n/a	<	15	µg/L	EPA 625	15	50	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/15/2018 3:32:00 AM	Hexachloroethane	n/a	<	5.2	µg/L	EPA 625	5.2	10	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/15/2018 3:32:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	1.2	µg/L	EPA 625	1.2	20	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/20/2018 7:10:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/15/2018 3:32:00 AM	Isophorone	n/a	<	2.1	µg/L	EPA 625	2.1	10	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/15/2018 3:32:00 AM	Naphthalene	n/a	<	4.9	µg/L	EPA 625	4.9	10	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/20/2018 7:10:00 AM	Naphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/15/2018 3:32:00 AM	Nitrobenzene	n/a	<	3.6	µg/L	EPA 625	3.6	10	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/15/2018 3:32:00 AM	N-Nitrosodimethylamine	n/a	<	1.4	µg/L	EPA 625	1.4	10	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/15/2018 3:32:00 AM	N-Nitrosodi-N-propylamine	n/a	<	2.6	µg/L	EPA 625	2.6	10	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/15/2018 3:32:00 AM	N-Nitrosodiphenylamine	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/15/2018 3:32:00 AM	Phenanthrene	n/a	<	3.2	µg/L	EPA 625	3.2	10	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/20/2018 7:10:00 AM	Phenanthrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/15/2018 3:32:00 AM	Phenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/26/2018 4:19:00 PM	Phenol	n/a	<	3.5	µg/L	EPA 8270C	3.5	10	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/15/2018 3:32:00 AM	Pyrene	n/a	<	2.5	µg/L	EPA 625	2.5	10	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/20/2018 7:10:00 AM	Pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/20/2018 6:23:00 AM	PCB Aroclor 1016	n/a	<	0.5	µg/L	EPA 608	0.5	5	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/20/2018 6:23:00 AM	PCB Aroclor 1221	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/20/2018 6:23:00 AM	PCB Aroclor 1232	n/a	<	1.5	µg/L	EPA 608	1.5	5	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/20/2018 6:23:00 AM	PCB Aroclor 1242	n/a	<	0.7	µg/L	EPA 608	0.7	5	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/20/2018 6:23:00 AM	PCB Aroclor 1248	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/20/2018 6:23:00 AM	PCB Aroclor 1254	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/20/2018 6:23:00 AM	PCB Aroclor 1260	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/13/2018 3:42:00 PM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/13/2018 3:42:00 PM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/13/2018 3:42:00 PM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/13/2018 3:42:00 PM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/13/2018 3:42:00 PM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/20/2018 6:23:00 AM	4,4'-DDD	n/a	<	0.03	µg/L	EPA 608	0.03	0.5	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/20/2018 6:23:00 AM	4,4'-DDE	n/a	<	0.025	µg/L	EPA 608	0.025	0.5	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/20/2018 6:23:00 AM	4,4'-DDT	n/a	<	0.031	µg/L	EPA 608	0.031	0.1	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/13/2018 3:42:00 PM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/20/2018 1:58:00 AM	Alachlor	n/a	<	0.11	µg/L	EPA 525.2	0.11	0.5	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/20/2018 6:23:00 AM	Aldrin	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/20/2018 6:23:00 AM	alpha-BHC	n/a	<	0.018	µg/L	EPA 608	0.018	0.1	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/20/2018 6:23:00 AM	alpha-Chlordane	n/a	<	0.041	µg/L	EPA 608	0.041	0.1	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/20/2018 1:58:00 AM	Atrazine	n/a	<	0.17	µg/L	EPA 525.2	0.17	0.5	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/9/2018 2:55:00 AM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/13/2018 3:42:00 PM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/20/2018 6:23:00 AM	beta-BHC	n/a	<	0.031	µg/L	EPA 608	0.031	0.05	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/9/2018 2:55:00 AM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/20/2018 1:58:00 AM	Bromacil	n/a	<	0.19	µg/L	EPA 525.2	0.19	5	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/20/2018 1:58:00 AM	Butachlor	n/a	<	0.085	µg/L	EPA 525.2	0.085	1	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/20/2018 1:58:00 AM	Captan	n/a	<	4.3	µg/L	EPA 525.2	4.3	5	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/20/2018 6:23:00 AM	Chlordane (technical)	n/a	<	0.8	µg/L	EPA 608	0.8	1	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/20/2018 1:58:00 AM	Chloropropham	n/a	<	0.05	µg/L	EPA 525.2	0.05	0.5	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/9/2018 2:55:00 AM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/9/2018 2:55:00 AM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/20/2018 1:58:00 AM	Cyanazine	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/13/2018 3:42:00 PM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/13/2018 3:42:00 PM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/20/2018 6:23:00 AM	delta-BHC	n/a	<	0.025	µg/L	EPA 608	0.025	0.05	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/9/2018 2:55:00 AM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/9/2018 2:55:00 AM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/20/2018 1:58:00 AM	Diazinon	n/a	<	0.48	µg/L	EPA 525.2	0.48	0.5	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/9/2018 2:55:00 AM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/13/2018 3:42:00 PM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/13/2018 3:42:00 PM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/9/2018 2:55:00 AM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/20/2018 6:23:00 AM	Dieldrin	n/a	<	0.021	µg/L	EPA 608	0.021	0.1	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/21/2018 5:08:00 AM	Dimethoate	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/9/2018 2:55:00 AM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/13/2018 3:42:00 PM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/20/2018 1:58:00 AM	Diphenamid	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/9/2018 2:55:00 AM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/20/2018 1:58:00 AM	Disulfoton	n/a	<	0.16	µg/L	EPA 525.2	0.16	0.5	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/20/2018 6:23:00 AM	Endosulfan I	n/a	<	0.017	µg/L	EPA 608	0.017	0.2	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/20/2018 6:23:00 AM	Endosulfan II	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/20/2018 6:23:00 AM	Endosulfan sulfate	n/a	<	0.08	µg/L	EPA 608	0.08	0.5	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/20/2018 6:23:00 AM	Endrin	n/a	<	0.028	µg/L	EPA 608	0.028	0.1	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/20/2018 6:23:00 AM	Endrin aldehyde	n/a	<	0.03	µg/L	EPA 608	0.03	0.1	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/20/2018 1:58:00 AM	EPTC	n/a	<	0.085	µg/L	EPA 525.2	0.085	5	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/9/2018 2:55:00 AM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/9/2018 2:55:00 AM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/9/2018 2:55:00 AM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/9/2018 2:55:00 AM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/20/2018 6:23:00 AM	gamma-BHC (Lindane)	n/a	<	0.021	µg/L	EPA 608	0.021	0.2	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/20/2018 6:23:00 AM	gamma-Chlordane	n/a	<	0.044	µg/L	EPA 608	0.044	0.1	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/9/2018 7:05:00 PM	Glyphosate	n/a	=	13	µg/L	EPA 547	1.8	5	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/20/2018 6:23:00 AM	Heptachlor	n/a	<	0.017	µg/L	EPA 608	0.017	0.1	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/20/2018 6:23:00 AM	Heptachlor epoxide	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/9/2018 2:55:00 AM	Malathion	n/a	=	0.047	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/9/2018 2:55:00 AM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/20/2018 6:23:00 AM	Methoxychlor	n/a	<	0.054	µg/L	EPA 608	0.054	0.2	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/9/2018 2:55:00 AM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/20/2018 1:58:00 AM	Metolachlor	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.5	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/20/2018 1:58:00 AM	Metribuzin	n/a	<	0.075	µg/L	EPA 525.2	0.075	0.5	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/9/2018 2:55:00 AM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/20/2018 1:58:00 AM	Molinate	n/a	<	0.2	µg/L	EPA 525.2	0.2	0.5	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/9/2018 2:55:00 AM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-VEN	2017/18-2	Wet	3/26/2018 4:19:00 PM		Pentachlorophenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	10	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/13/2018 3:42:00 PM	Pentachlorophenol	n/a	DNQ	0.097	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/15/2018 3:32:00 AM	Pentachlorophenol	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/9/2018 2:55:00 AM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/13/2018 3:42:00 PM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/20/2018 1:58:00 AM	Prometon	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/20/2018 1:58:00 AM	Prometryn	n/a	<	0.18	µg/L	EPA 525.2	0.18	0.5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/9/2018 2:55:00 AM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/20/2018 1:58:00 AM	Simazine	n/a	<	0.075	µg/L	EPA 525.2	0.075	0.5	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/9/2018 2:55:00 AM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/20/2018 1:58:00 AM	Terbacil	n/a	<	2.8	µg/L	EPA 525.2	2.8	10	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/21/2018 5:08:00 AM	Thiobencarb	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/9/2018 2:55:00 AM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/20/2018 6:23:00 AM	Toxaphene	n/a	<	1.2	µg/L	EPA 608	1.2	5	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/9/2018 2:55:00 AM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-VEN	2017/18-2	Wet	3/3/2018 8:30:00 AM	3/20/2018 1:58:00 AM	Trithion	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 6:45:00 PM	3/11/2018 11:34:00 PM	E. Coli	n/a	=	2987	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-VEN	2017/18-3	Wet	3/10/2018 6:45:00 PM	3/14/2018 8:10:00 PM	Fecal Coliform	n/a	=	3500	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-VEN	2017/18-3	Wet	3/10/2018 6:45:00 PM	3/11/2018 11:34:00 PM	Total Coliform	n/a	=	155310	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-VEN	2017/18-3	Wet	3/10/2018 6:45:00 PM	3/10/2018 6:45:00 PM	Conductivity	n/a	=	101.6	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-VEN	2017/18-3	Wet	3/10/2018 6:45:00 PM	3/19/2018 4:29:00 PM	Cyanide	Total	DNQ	0.0005	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 6:45:00 PM	3/10/2018 6:45:00 PM	DO	n/a	=	91.3	%	Field Meter	-88	0.1	Field Crew	
MO-VEN	2017/18-3	Wet	3/10/2018 6:45:00 PM	3/10/2018 6:45:00 PM	DO	n/a	=	9.11	mg/L	Field Meter	-88	0.3	Field Crew	
MO-VEN	2017/18-3	Wet	3/10/2018 6:45:00 PM	3/10/2018 6:45:00 PM	pH	n/a	=	7.63	pH Units	Field Meter	-88	0.01	Field Crew	
MO-VEN	2017/18-3	Wet	3/10/2018 6:45:00 PM	3/10/2018 6:45:00 PM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	
MO-VEN	2017/18-3	Wet	3/10/2018 6:45:00 PM	3/10/2018 6:45:00 PM	Specific Conductance	n/a	=	123.7	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-VEN	2017/18-3	Wet	3/10/2018 6:45:00 PM	3/10/2018 6:45:00 PM	Temperature	n/a	=	15.7	°C	Field Meter	-88	0.1	Field Crew	
MO-VEN	2017/18-3	Wet	3/10/2018 6:45:00 PM	3/16/2018 2:37:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 6:45:00 PM	3/27/2018 6:07:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 6:45:00 PM	3/13/2018 6:09:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 6:45:00 PM	3/13/2018 6:09:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/21/2018 2:00:00 PM	Chloride	n/a	=	8.9	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/21/2018 2:00:00 PM	Fluoride	n/a	=	0.15	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/12/2018 6:10:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/21/2018 2:00:00 PM	Sulfate	Total	=	24	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/26/2018 7:21:00 PM	Calcium	Total	=	12.3	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/26/2018 7:21:00 PM	Magnesium	Total	=	2.96	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/26/2018 7:21:00 PM	Potassium	Total	=	3.7	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/26/2018 7:21:00 PM	Sodium	Total	=	9.9	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/12/2018 1:51:00 PM	Alkalinity as CaCO3	n/a	=	32	mg/L	SM 2320 B	0.56	2	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/17/2018 6:25:00 PM	BOD	n/a	=	21	mg/L	SM 5210 B	2	2	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/19/2018 7:36:00 PM	COD	n/a	=	95	mg/L	EPA 410.4	0.73	5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/15/2018 1:47:00 PM	Dissolved Inorganic Carbon	Dissolved	=	5.6	mg/L	SM 5310 B	0.5	0.5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/19/2018 8:44:00 AM	Dissolved Organic Carbon	Dissolved	=	18	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/26/2018 7:21:00 PM	Hardness as CaCO3	Total	=	43	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/12/2018 4:40:00 PM	MBAS	n/a	=	0.36	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/27/2018 4:00:00 PM	Phenolics	n/a	=	0.013	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/14/2018 5:40:00 PM	Specific Conductance	n/a	=	150	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/14/2018 10:29:00 AM	Total Dissolved Solids	n/a	=	97	mg/L	SM 2540 C	4	10	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 10:17:00 AM	Total Organic Carbon	n/a	=	16	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/14/2018 1:40:00 PM	Total Suspended Solids	n/a	=	140	mg/L	SM 2540 D	-88	5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/12/2018 11:32:00 AM	Turbidity	n/a	=	48	NTU	EPA 180.1	0.096	0.4	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/14/2018 1:40:00 PM	Volatile Suspended Solids	n/a	=	49	mg/L	EPA 160.4	3.1	5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/19/2018 10:57:00 PM	Diesel Range Organics	n/a	=	1.3	mg/L	EPA 8015D	0.048	0.2	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/19/2018 10:57:00 PM	Oil Range Organics	n/a	=	1.8	mg/L	EPA 8015D	0.66	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	4/2/2018 9:13:00 PM	Aluminum	Dissolved	=	42	µg/L	EPA 200.8	1.3	5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	4/2/2018 9:17:00 PM	Aluminum	Total	=	2100	µg/L	EPA 200.8	1.3	5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/31/2018 12:22:00 AM	Antimony	Dissolved	=	1.4	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/31/2018 12:30:00 AM	Antimony	Total	=	2.1	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/31/2018 12:22:00 AM	Arsenic	Dissolved	=	1.1	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/31/2018 12:30:00 AM	Arsenic	Total	=	1.9	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/31/2018 12:30:00 AM	Barium	Total	=	40	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/31/2018 12:22:00 AM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/31/2018 12:30:00 AM	Beryllium	Total	DNQ	0.06	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/31/2018 12:22:00 AM	Cadmium	Dissolved	DNQ	0.08	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/31/2018 12:30:00 AM	Cadmium	Total	=	0.18	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/31/2018 12:22:00 AM	Chromium	Dissolved	=	1.1	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/31/2018 12:30:00 AM	Chromium	Total	=	5	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/15/2018 6:49:00 PM	Chromium VI	n/a	=	0.92	µg/L	EPA 218.6	0.024	0.1	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/31/2018 12:22:00 AM	Copper	Dissolved	=	13	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/31/2018 12:30:00 AM	Copper	Total	=	28	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/26/2018 6:42:00 PM	Iron	Dissolved	=	50	µg/L	EPA 200.7	1.1	10	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/26/2018 7:21:00 PM	Iron	Total	=	2900	µg/L	EPA 200.7	1.1	10	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/31/2018 12:22:00 AM	Lead	Dissolved	=	0.49	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/31/2018 12:30:00 AM	Lead	Total	=	7.5	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/23/2018 3:57:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/23/2018 3:59:00 PM	Mercury	Total	DNQ	17	ng/L	EPA 245.1	17	50	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/31/2018 12:22:00 AM	Nickel	Dissolved	=	2.7	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/31/2018 12:30:00 AM	Nickel	Total	=	6.1	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	4/2/2018 9:13:00 PM	Selenium	Dissolved	DNQ	0.3	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	4/2/2018 9:17:00 PM	Selenium	Total	=	0.49	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/31/2018 12:22:00 AM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/31/2018 12:30:00 AM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/31/2018 12:22:00 AM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/31/2018 12:30:00 AM	Thallium	Total	DNQ	0.03	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/31/2018 12:22:00 AM	Zinc	Dissolved	=	70	µg/L	EPA 200.8	0.94	5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/31/2018 12:30:00 AM	Zinc	Total	=	140	µg/L	EPA 200.8	0.94	5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/21/2018 8:47:00 PM	Ammonia as N	n/a	=	0.67	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/25/2018 10:18:00 AM	Nitrate + Nitrite as N	n/a	=	1.1	mg/L	EPA 353.2	0.083	0.2	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/27/2018 5:50:00 PM	Phosphorus as P	Dissolved	=	0.29	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 11:55:00 AM	Phosphorus as P	Total	=	0.54	mg/L	EPA 365.1	0.0056	0.04	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/23/2018 3:23:00 PM	TKN	n/a	=	2.2	mg/L	EPA 351.2	0.1	0.2	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 4:04:00 AM	1,2,4-Trichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 4:04:00 AM	1,2-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 4:04:00 AM	1,2-Diphenylhydrazine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 4:04:00 AM	1,3-Dichlorobenzene	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 4:04:00 AM	1,4-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/27/2018 5:17:00 PM	1-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/23/2018 6:22:00 AM	2,4,5-Trichlorophenol	n/a	<	2.9	µg/L	EPA 8270C	2.9	10	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/23/2018 6:22:00 AM	2,4,6-Trichlorophenol	n/a	<	3	µg/L	EPA 8270C	3	10	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 4:04:00 AM	2,4,6-Trichlorophenol	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 4:04:00 AM	2,4-Dichlorophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/23/2018 6:22:00 AM	2,4-Dichlorophenol	n/a	<	5.1	µg/L	EPA 8270C	5.1	10	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/23/2018 6:22:00 AM	2,4-Dimethylphenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 4:04:00 AM	2,4-Dimethylphenol	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	EST-LCSRPD
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/23/2018 6:22:00 AM	2,4-Dinitrophenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	EST-LCSRPD
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 4:04:00 AM	2,4-Dinitrophenol	n/a	<	7.9	µg/L	EPA 625	7.9	50	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 4:04:00 AM	2,4-Dinitrotoluene	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 4:04:00 AM	2,6-Dinitrotoluene	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 4:04:00 AM	2-Chloronaphthalene	n/a	<	2.2	µg/L	EPA 625	2.2	5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 4:04:00 AM	2-Chlorophenol	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/23/2018 6:22:00 AM	2-Chlorophenol	n/a	<	6.5	µg/L	EPA 8270C	6.5	10	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/27/2018 5:17:00 PM	2-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/23/2018 6:22:00 AM	2-Methylphenol	n/a	<	3.4	µg/L	EPA 8270C	3.4	10	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 4:04:00 AM	2-Nitrophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/23/2018 6:22:00 AM	2-Nitrophenol	n/a	<	7.1	µg/L	EPA 8270C	7.1	10	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 4:04:00 AM	3,3'-Dichlorobenzidine	n/a	<	6	µg/L	EPA 625	6	25	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/23/2018 6:22:00 AM	3-/4-Methylphenol	n/a	<	3	µg/L	EPA 8270C	3	10	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 4:04:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	8.6	µg/L	EPA 625	8.6	25	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/23/2018 6:22:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	10	WKL	EST-LCSRPD
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 4:04:00 AM	4-Bromophenyl phenyl ether	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/23/2018 6:22:00 AM	4-Chloro-3-methylphenol	n/a	<	3.7	µg/L	EPA 8270C	3.7	10	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 4:04:00 AM	4-Chloro-3-methylphenol	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 4:04:00 AM	4-Chlorophenyl phenyl ether	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/23/2018 6:22:00 AM	4-Nitrophenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	EST-LCSRPD
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 4:04:00 AM	4-Nitrophenol	n/a	<	2.2	µg/L	EPA 625	2.2	25	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 4:04:00 AM	Acenaphthene	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/27/2018 5:17:00 PM	Acenaphthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 4:04:00 AM	Acenaphthylene	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/27/2018 5:17:00 PM	Acenaphthylene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 4:04:00 AM	Anthracene	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/27/2018 5:17:00 PM	Anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/27/2018 5:17:00 PM	Benz(a)anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 4:04:00 AM	Benz(a)anthracene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 4:04:00 AM	Benzdine	n/a	<	18	µg/L	EPA 625	18	50	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 4:19:00 PM	Benzo(a)pyrene	n/a	<	0.35	µg/L	EPA 525.2	0.35	0.5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 4:04:00 AM	Benzo(a)pyrene	n/a	<	0.65	µg/L	EPA 625	0.65	5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/27/2018 5:17:00 PM	Benzo(a)pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/27/2018 5:17:00 PM	Benzo(b)fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 4:04:00 AM	Benzo(b)fluoranthene	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/27/2018 5:17:00 PM	Benzo(g,h,i)perylene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 4:04:00 AM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 625	0.5	10	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 4:04:00 AM	Benzo(k)fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/27/2018 5:17:00 PM	Benzo(k)fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 4:04:00 AM	Bis(2-chloroethoxy)methane	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 4:04:00 AM	Bis(2-chloroethyl)ether	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 4:04:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 4:19:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.52	µg/L	EPA 525.2	0.52	25	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 4:04:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	12	µg/L	EPA 625	12	25	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 4:19:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	5.3	µg/L	EPA 525.2	5.3	15	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 4:04:00 AM	Butyl benzyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 4:04:00 AM	Chrysene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/27/2018 5:17:00 PM	Chrysene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 4:04:00 AM	Dibenz(a,h)anthracene	n/a	<	0.4	µg/L	EPA 625	0.4	10	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/27/2018 5:17:00 PM	Dibenz(a,h)anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 4:04:00 AM	Diethyl phthalate	n/a	<	0.75	µg/L	EPA 625	0.75	5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 4:04:00 AM	Dimethyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 4:04:00 AM	Di-n-butylphthalate	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 4:04:00 AM	Di-n-octylphthalate	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 4:04:00 AM	Fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/27/2018 5:17:00 PM	Fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 4:04:00 AM	Fluorene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 4:04:00 AM	Hexachlorobenzene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 4:04:00 AM	Hexachlorobutadiene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 4:04:00 AM	Hexachlorocyclopentadiene	n/a	<	7.3	µg/L	EPA 625	7.3	25	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 4:04:00 AM	Hexachloroethane	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/27/2018 5:17:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 4:04:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.6	µg/L	EPA 625	0.6	10	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 4:04:00 AM	Isophorone	n/a	<	1	µg/L	EPA 625	1	5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/27/2018 5:17:00 PM	Naphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 4:04:00 AM	Naphthalene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 4:04:00 AM	Nitrobenzene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 4:04:00 AM	N-Nitrosodimethylamine	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 4:04:00 AM	N-Nitrosodi-N-propylamine	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 4:04:00 AM	N-Nitrosodiphenylamine	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/27/2018 5:17:00 PM	Phenanthrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 4:04:00 AM	Phenanthrene	n/a	<	1.6	µg/L	EPA 625	1.6	5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/23/2018 6:22:00 AM	Phenol	n/a	<	3.5	µg/L	EPA 8270C	3.5	10	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 4:04:00 AM	Phenol	n/a	<	0.8	µg/L	EPA 625	0.8	5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 4:04:00 AM	Pyrene	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/27/2018 5:17:00 PM	Pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/24/2018 9:23:00 PM	PCB Aroclor 1016	n/a	<	0.5	µg/L	EPA 608	0.5	5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/24/2018 9:23:00 PM	PCB Aroclor 1221	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/24/2018 9:23:00 PM	PCB Aroclor 1232	n/a	<	1.5	µg/L	EPA 608	1.5	5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/24/2018 9:23:00 PM	PCB Aroclor 1242	n/a	<	0.7	µg/L	EPA 608	0.7	5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/24/2018 9:23:00 PM	PCB Aroclor 1248	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/24/2018 9:23:00 PM	PCB Aroclor 1254	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/24/2018 9:23:00 PM	PCB Aroclor 1260	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/17/2018 5:02:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/17/2018 5:02:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/17/2018 5:02:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/17/2018 5:02:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/17/2018 5:02:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/24/2018 9:23:00 PM	4,4'-DDD	n/a	<	0.03	µg/L	EPA 608	0.03	0.5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/24/2018 9:23:00 PM	4,4'-DDE	n/a	<	0.025	µg/L	EPA 608	0.025	0.5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/24/2018 9:23:00 PM	4,4'-DDT	n/a	<	0.031	µg/L	EPA 608	0.031	0.1	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/17/2018 5:02:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 4:19:00 PM	Alachlor	n/a	<	0.11	µg/L	EPA 525.2	0.11	0.5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/24/2018 9:23:00 PM	Aldrin	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/24/2018 9:23:00 PM	alpha-BHC	n/a	<	0.018	µg/L	EPA 608	0.018	0.1	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/24/2018 9:23:00 PM	alpha-Chlordane	n/a	<	0.041	µg/L	EPA 608	0.041	0.1	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 4:19:00 PM	Atrazine	n/a	<	0.17	µg/L	EPA 525.2	0.17	0.5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/19/2018 4:09:00 PM	Azinphos methyl	n/a	<	0.028	µg/L	EPA 525.2m	0.028	0.05	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/17/2018 5:02:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/24/2018 9:23:00 PM	beta-BHC	n/a	<	0.031	µg/L	EPA 608	0.031	0.05	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/19/2018 4:09:00 PM	Bolstar	n/a	<	0.023	µg/L	EPA 525.2m	0.023	0.05	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 4:19:00 PM	Bromacil	n/a	<	0.19	µg/L	EPA 525.2	0.19	5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 4:19:00 PM	Butachlor	n/a	<	0.085	µg/L	EPA 525.2	0.085	1	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 4:19:00 PM	Captan	n/a	<	4.3	µg/L	EPA 525.2	4.3	5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/24/2018 9:23:00 PM	Chlordane (technical)	n/a	<	0.8	µg/L	EPA 608	0.8	1	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 4:19:00 PM	Chloropropham	n/a	<	0.05	µg/L	EPA 525.2	0.05	0.5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/19/2018 4:09:00 PM	Chlorpyrifos	n/a	<	0.034	µg/L	EPA 525.2m	0.034	0.05	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/19/2018 4:09:00 PM	Coumaphos	n/a	<	0.026	µg/L	EPA 525.2m	0.026	0.05	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 4:19:00 PM	Cyanazine	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/17/2018 5:02:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/17/2018 5:02:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/24/2018 9:23:00 PM	delta-BHC	n/a	<	0.025	µg/L	EPA 608	0.025	0.05	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/19/2018 4:09:00 PM	Demeton-O	n/a	<	0.05	µg/L	EPA 525.2m	0.05	0.05	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/19/2018 4:09:00 PM	Demeton-S	n/a	<	0.05	µg/L	EPA 525.2m	0.05	0.05	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 4:19:00 PM	Diazinon	n/a	<	0.48	µg/L	EPA 525.2	0.48	0.5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/19/2018 4:09:00 PM	Diazinon	n/a	=	0.13	µg/L	EPA 525.2m	0.026	0.05	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/17/2018 5:02:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/17/2018 5:02:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/19/2018 4:09:00 PM	Dichlorvos	n/a	DNQ	0.014	µg/L	EPA 525.2m	0.014	0.05	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/24/2018 9:23:00 PM	Dieldrin	n/a	<	0.021	µg/L	EPA 608	0.021	0.1	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 4:19:00 PM	Dimethoate	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/19/2018 4:09:00 PM	Dimethoate	n/a	<	0.031	µg/L	EPA 525.2m	0.031	0.05	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/17/2018 5:02:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 4:19:00 PM	Diphenamid	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/19/2018 4:09:00 PM	Disulfoton	n/a	<	0.05	µg/L	EPA 525.2m	0.05	0.05	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 4:19:00 PM	Disulfoton	n/a	<	0.16	µg/L	EPA 525.2	0.16	0.5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/24/2018 9:23:00 PM	Endosulfan I	n/a	<	0.017	µg/L	EPA 608	0.017	0.2	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/24/2018 9:23:00 PM	Endosulfan II	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/24/2018 9:23:00 PM	Endosulfan sulfate	n/a	<	0.08	µg/L	EPA 608	0.08	0.5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/24/2018 9:23:00 PM	Endrin	n/a	<	0.028	µg/L	EPA 608	0.028	0.1	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/24/2018 9:23:00 PM	Endrin aldehyde	n/a	<	0.03	µg/L	EPA 608	0.03	0.1	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 4:19:00 PM	EPTC	n/a	<	0.085	µg/L	EPA 525.2	0.085	5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/19/2018 4:09:00 PM	Ethoprop	n/a	<	0.034	µg/L	EPA 525.2m	0.034	0.05	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/19/2018 4:09:00 PM	Ethyl parathion	n/a	<	0.027	µg/L	EPA 525.2m	0.027	0.05	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/19/2018 4:09:00 PM	Fensulfothion	n/a	<	0.014	µg/L	EPA 525.2m	0.014	0.05	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/19/2018 4:09:00 PM	Fenthion	n/a	<	0.019	µg/L	EPA 525.2m	0.019	0.05	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/24/2018 9:23:00 PM	gamma-BHC (Lindane)	n/a	<	0.021	µg/L	EPA 608	0.021	0.2	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/24/2018 9:23:00 PM	gamma-Chlordane	n/a	<	0.044	µg/L	EPA 608	0.044	0.1	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 10:54:00 PM	Glyphosate	n/a	=	9.9	µg/L	EPA 547	1.8	5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/24/2018 9:23:00 PM	Heptachlor	n/a	<	0.017	µg/L	EPA 608	0.017	0.1	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/24/2018 9:23:00 PM	Heptachlor epoxide	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/19/2018 4:09:00 PM	Malathion	n/a	<	0.038	µg/L	EPA 525.2m	0.038	0.05	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/19/2018 4:09:00 PM	Merphos	n/a	<	0.029	µg/L	EPA 525.2m	0.029	0.05	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/24/2018 9:23:00 PM	Methoxychlor	n/a	<	0.054	µg/L	EPA 608	0.054	0.2	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/19/2018 4:09:00 PM	Methyl parathion	n/a	<	0.032	µg/L	EPA 525.2m	0.032	0.05	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 4:19:00 PM	Metolachlor	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 4:19:00 PM	Metribuzin	n/a	<	0.075	µg/L	EPA 525.2	0.075	0.5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/19/2018 4:09:00 PM	Mevinphos	n/a	<	0.021	µg/L	EPA 525.2m	0.021	0.05	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 4:19:00 PM	Molinate	n/a	<	0.2	µg/L	EPA 525.2	0.2	0.5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/19/2018 4:09:00 PM	Naled	n/a	<	0.038	µg/L	EPA 525.2m	0.038	0.05	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/23/2018 6:22:00 AM	Pentachlorophenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	10	WKL	EST-LCSRPD
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/17/2018 5:02:00 AM	Pentachlorophenol	n/a	DNQ	0.091	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 4:04:00 AM	Pentachlorophenol	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/19/2018 4:09:00 PM	Phorate	n/a	<	0.015	µg/L	EPA 525.2m	0.015	0.05	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/17/2018 5:02:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 4:19:00 PM	Prometon	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	EST-LCSRPD
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 4:19:00 PM	Prometryn	n/a	<	0.18	µg/L	EPA 525.2	0.18	0.5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/19/2018 4:09:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.02	µg/L	EPA 525.2m	0.02	0.05	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 4:19:00 PM	Simazine	n/a	<	0.075	µg/L	EPA 525.2	0.075	0.5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/19/2018 4:09:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.016	µg/L	EPA 525.2m	0.016	0.05	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 4:19:00 PM	Terbacil	n/a	<	2.8	µg/L	EPA 525.2	2.8	10	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 4:19:00 PM	Thiobencarb	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/19/2018 4:09:00 PM	Tokuthion	n/a	<	0.039	µg/L	EPA 525.2m	0.039	0.05	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/24/2018 9:23:00 PM	Toxaphene	n/a	<	1.2	µg/L	EPA 608	1.2	5	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/19/2018 4:09:00 PM	Trichloronate	n/a	<	0.034	µg/L	EPA 525.2m	0.034	0.05	WKL	
MO-VEN	2017/18-3	Wet	3/10/2018 7:07:00 PM	3/22/2018 4:19:00 PM	Trithion	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.5	WKL	
MO-VEN	2017/18-5	Dry	6/6/2018 9:15:00 AM	6/16/2018 7:30:00 AM	Chloride	n/a	=	130	mg/L	EPA 300.0	2.5	12	WKL	
MO-VEN	2017/18-5	Dry	6/6/2018 9:15:00 AM	6/16/2018 7:30:00 AM	Fluoride	n/a	=	0.47	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-VEN	2017/18-5	Dry	6/6/2018 9:15:00 AM	6/21/2018 4:06:00 PM	Perchlorate	n/a	<	4.8	µg/L	EPA 314.0	4.8	10	WKL	
MO-VEN	2017/18-5	Dry	6/6/2018 9:15:00 AM	6/16/2018 7:30:00 AM	Sulfate	Total	=	1100	mg/L	EPA 300.0	2.5	12	WKL	
MO-VEN	2017/18-5	Dry	6/6/2018 9:15:00 AM	6/15/2018 3:56:00 PM	Calcium	Total	=	216	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-VEN	2017/18-5	Dry	6/6/2018 9:15:00 AM	6/15/2018 3:56:00 PM	Magnesium	Total	=	114	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-VEN	2017/18-5	Dry	6/6/2018 9:15:00 AM	6/15/2018 3:56:00 PM	Potassium	Total	=	17	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-VEN	2017/18-5	Dry	6/6/2018 9:15:00 AM	6/15/2018 3:56:00 PM	Sodium	Total	=	360	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-VEN	2017/18-5	Dry	6/6/2018 9:15:00 AM	6/8/2018 2:41:00 PM	Alkalinity as CaCO3	n/a	=	310	mg/L	SM 2320 B	0.56	2	WKL	
MO-VEN	2017/18-5	Dry	6/6/2018 9:15:00 AM	6/12/2018 8:34:00 PM	BOD	n/a	=	8.7	mg/L	SM 5210 B	2	2	WKL	
MO-VEN	2017/18-5	Dry	6/6/2018 9:15:00 AM	6/12/2018 7:40:00 PM	COD	n/a	=	67	mg/L	EPA 410.4	0.73	5	WKL	
MO-VEN	2017/18-5	Dry	6/6/2018 9:15:00 AM	6/12/2018 11:30:00 AM	Dissolved Inorganic Carbon	Dissolved	=	72	mg/L	SM 5310 B	0.5	0.5	WKL	
MO-VEN	2017/18-5	Dry	6/6/2018 9:15:00 AM	6/19/2018 2:47:00 PM	Dissolved Organic Carbon	Dissolved	=	19	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-VEN	2017/18-5	Dry	6/6/2018 9:15:00 AM	6/15/2018 3:56:00 PM	Hardness as CaCO3	Total	=	1010	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-VEN	2017/18-5	Dry	6/6/2018 9:15:00 AM	6/7/2018 11:04:00 PM	MBAS	n/a	=	0.13	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-VEN	2017/18-5	Dry	6/6/2018 9:15:00 AM	6/18/2018 2:24:00 PM	Phenolics	n/a	=	0.048	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-VEN	2017/18-5	Dry	6/6/2018 9:15:00 AM	6/12/2018 1:08:00 PM	Specific Conductance	n/a	=	3500	µmhos/cm	SM 2510 B	0.7	6	WKL	
MO-VEN	2017/18-5	Dry	6/6/2018 9:15:00 AM	6/11/2018 5:30:00 PM	Total Dissolved Solids	n/a	=	2400	mg/L	SM 2540 C	4	10	WKL	
MO-VEN	2017/18-5	Dry	6/6/2018 9:15:00 AM	6/14/2018 2:30:00 PM	Total Organic Carbon	n/a	=	21	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-VEN	2017/18-5	Dry	6/6/2018 9:15:00 AM	6/11/2018 7:01:00 PM	Total Suspended Solids	n/a	=	20	mg/L	SM 2540 D	-88	5	WKL	
MO-VEN	2017/18-5	Dry	6/6/2018 9:15:00 AM	6/7/2018 10:03:00 PM	Turbidity	n/a	=	3.8	NTU	EPA 180.1	0.024	0.1	WKL	
MO-VEN	2017/18-5	Dry	6/6/2018 9:15:00 AM	6/11/2018 7:01:00 PM	Volatile Suspended Solids	n/a	=	9	mg/L	EPA 160.4	3.1	5	WKL	
MO-VEN	2017/18-5	Dry	6/6/2018 9:15:00 AM	6/18/2018 3:58:00 PM	Aluminum	Dissolved	=	36	µg/L	EPA 200.8	1.3	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2017/18-5	Dry	6/6/2018 9:15:00 AM	6/18/2018 4:01:00 PM	Aluminum	Total	=	120	µg/L	EPA 200.8	1.3	5	WKL	
MO-VEN	2017/18-5	Dry	6/6/2018 9:15:00 AM	6/16/2018 6:56:00 PM	Antimony	Dissolved	=	0.81	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-VEN	2017/18-5	Dry	6/6/2018 9:15:00 AM	6/16/2018 7:04:00 PM	Antimony	Total	=	0.92	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-VEN	2017/18-5	Dry	6/6/2018 9:15:00 AM	6/16/2018 6:56:00 PM	Arsenic	Dissolved	=	6.2	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-VEN	2017/18-5	Dry	6/6/2018 9:15:00 AM	6/16/2018 7:04:00 PM	Arsenic	Total	=	6.6	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-VEN	2017/18-5	Dry	6/6/2018 9:15:00 AM	6/16/2018 7:04:00 PM	Barium	Total	=	31	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-VEN	2017/18-5	Dry	6/6/2018 9:15:00 AM	6/16/2018 6:56:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-VEN	2017/18-5	Dry	6/6/2018 9:15:00 AM	6/16/2018 7:04:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-VEN	2017/18-5	Dry	6/6/2018 9:15:00 AM	6/16/2018 6:56:00 PM	Cadmium	Dissolved	DNQ	0.089	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-VEN	2017/18-5	Dry	6/6/2018 9:15:00 AM	6/16/2018 7:04:00 PM	Cadmium	Total	=	0.1	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-VEN	2017/18-5	Dry	6/6/2018 9:15:00 AM	6/18/2018 3:58:00 PM	Chromium	Dissolved	=	0.23	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-VEN	2017/18-5	Dry	6/6/2018 9:15:00 AM	6/18/2018 4:01:00 PM	Chromium	Total	=	0.6	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-VEN	2017/18-5	Dry	6/6/2018 9:15:00 AM	6/14/2018 2:34:00 PM	Chromium VI	n/a	=	0.021	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-VEN	2017/18-5	Dry	6/6/2018 9:15:00 AM	6/16/2018 6:56:00 PM	Copper	Dissolved	=	130	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-VEN	2017/18-5	Dry	6/6/2018 9:15:00 AM	6/16/2018 7:04:00 PM	Copper	Total	=	180	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-VEN	2017/18-5	Dry	6/6/2018 9:15:00 AM	6/15/2018 3:47:00 PM	Iron	Dissolved	=	62	µg/L	EPA 200.7	1.1	10	WKL	
MO-VEN	2017/18-5	Dry	6/6/2018 9:15:00 AM	6/15/2018 3:56:00 PM	Iron	Total	=	370	µg/L	EPA 200.7	1.1	10	WKL	
MO-VEN	2017/18-5	Dry	6/6/2018 9:15:00 AM	6/16/2018 6:56:00 PM	Lead	Dissolved	=	0.5	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-VEN	2017/18-5	Dry	6/6/2018 9:15:00 AM	6/16/2018 7:04:00 PM	Lead	Total	=	1	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-VEN	2017/18-5	Dry	6/6/2018 9:15:00 AM	6/14/2018 12:31:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-VEN	2017/18-5	Dry	6/6/2018 9:15:00 AM	6/14/2018 12:33:00 PM	Mercury	Total	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-VEN	2017/18-5	Dry	6/6/2018 9:15:00 AM	6/16/2018 6:56:00 PM	Nickel	Dissolved	=	7.2	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-VEN	2017/18-5	Dry	6/6/2018 9:15:00 AM	6/16/2018 7:04:00 PM	Nickel	Total	=	7.5	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-VEN	2017/18-5	Dry	6/6/2018 9:15:00 AM	6/16/2018 6:56:00 PM	Selenium	Dissolved	=	16	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-VEN	2017/18-5	Dry	6/6/2018 9:15:00 AM	6/16/2018 7:04:00 PM	Selenium	Total	=	15	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-VEN	2017/18-5	Dry	6/6/2018 9:15:00 AM	6/16/2018 6:56:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-VEN	2017/18-5	Dry	6/6/2018 9:15:00 AM	6/16/2018 7:04:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-VEN	2017/18-5	Dry	6/6/2018 9:15:00 AM	6/16/2018 6:56:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-VEN	2017/18-5	Dry	6/6/2018 9:15:00 AM	6/16/2018 7:04:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-VEN	2017/18-5	Dry	6/6/2018 9:15:00 AM	6/16/2018 6:56:00 PM	Zinc	Dissolved	=	12	µg/L	EPA 200.8	0.94	5	WKL	
MO-VEN	2017/18-5	Dry	6/6/2018 9:15:00 AM	6/16/2018 7:04:00 PM	Zinc	Total	=	23	µg/L	EPA 200.8	0.94	5	WKL	
MO-VEN	2017/18-5	Dry	6/6/2018 9:15:00 AM	6/12/2018 8:21:00 PM	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-VEN	2017/18-5	Dry	6/6/2018 9:15:00 AM	6/12/2018 12:30:00 PM	Nitrate + Nitrite as N	n/a	<	0.083	mg/L	EPA 353.2	0.083	0.2	WKL	
MO-VEN	2017/18-5	Dry	6/6/2018 9:15:00 AM	6/27/2018 12:11:00 PM	Phosphorus as P	Dissolved	=	0.038	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-VEN	2017/18-5	Dry	6/6/2018 9:15:00 AM	6/20/2018 4:33:00 PM	Phosphorus as P	Total	=	0.12	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-VEN	2017/18-5	Dry	6/6/2018 9:15:00 AM	6/14/2018 3:21:00 PM	TKN	n/a	=	1.9	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-VEN	2017/18-5	Dry	6/6/2018 9:15:00 AM	6/13/2018 5:57:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-VEN	2017/18-5	Dry	6/6/2018 9:15:00 AM	6/13/2018 5:57:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-VEN	2017/18-5	Dry	6/6/2018 9:15:00 AM	6/13/2018 5:57:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-VEN	2017/18-5	Dry	6/6/2018 9:15:00 AM	6/13/2018 5:57:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-VEN	2017/18-5	Dry	6/6/2018 9:15:00 AM	6/13/2018 5:57:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-VEN	2017/18-5	Dry	6/6/2018 9:15:00 AM	6/13/2018 5:57:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-VEN	2017/18-5	Dry	6/6/2018 9:15:00 AM	6/13/2018 5:57:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-VEN	2017/18-5	Dry	6/6/2018 9:15:00 AM	6/13/2018 5:57:00 AM	Dalapon	n/a	DNQ	0.21	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-VEN	2017/18-5	Dry	6/6/2018 9:15:00 AM	6/13/2018 5:57:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-VEN	2017/18-5	Dry	6/6/2018 9:15:00 AM	6/13/2018 5:57:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-VEN	2017/18-5	Dry	6/6/2018 9:15:00 AM	6/13/2018 5:57:00 AM	Dichloroprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-VEN	2017/18-5	Dry	6/6/2018 9:15:00 AM	6/13/2018 5:57:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2017/18-5	Dry	6/6/2018 9:15:00 AM	6/14/2018 6:59:00 PM	Glyphosate	n/a	=	6.2	µg/L	EPA 547	1.8	5	WKL	
MO-VEN	2017/18-5	Dry	6/6/2018 9:15:00 AM	6/13/2018 5:57:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-VEN	2017/18-5	Dry	6/6/2018 9:15:00 AM	6/13/2018 5:57:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-VEN	2017/18-5	Dry	6/6/2018 9:20:00 AM	6/7/2018 6:00:00 AM	E. Coli	n/a	=	313	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-VEN	2017/18-5	Dry	6/6/2018 9:20:00 AM	6/7/2018 6:00:00 AM	Total Coliform	n/a	=	2613	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-VEN	2017/18-5	Dry	6/6/2018 9:20:00 AM	6/6/2018 9:20:00 AM	Conductivity	n/a	=	2045	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-VEN	2017/18-5	Dry	6/6/2018 9:20:00 AM	6/7/2018 6:23:00 PM	Cyanide	Total	DNQ	0.0009	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-VEN	2017/18-5	Dry	6/6/2018 9:20:00 AM	6/6/2018 9:20:00 AM	DO	n/a	=	107.9	%	Field Meter	-88	0.1	Field Crew	
MO-VEN	2017/18-5	Dry	6/6/2018 9:20:00 AM	6/6/2018 9:20:00 AM	DO	n/a	=	9.86	mg/L	Field Meter	-88	0.3	Field Crew	
MO-VEN	2017/18-5	Dry	6/6/2018 9:20:00 AM	6/6/2018 9:20:00 AM	pH	n/a	=	8.53	pH Units	Field Meter	-88	0.01	Field Crew	
MO-VEN	2017/18-5	Dry	6/6/2018 9:20:00 AM	6/6/2018 9:20:00 AM	Salinity	n/a	=	1200	mg/L	Field Meter	-88	100	Field Crew	
MO-VEN	2017/18-5	Dry	6/6/2018 9:20:00 AM	6/6/2018 9:20:00 AM	Specific Conductance	n/a	=	2286	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-VEN	2017/18-5	Dry	6/6/2018 9:20:00 AM	6/6/2018 9:20:00 AM	Temperature	n/a	=	19.2	°C	Field Meter	-88	0.1	Field Crew	
MO-VEN	2017/18-5	Dry	6/6/2018 9:20:00 AM	6/11/2018 11:37:00 PM	Gasoline Range Organics	n/a	<	0.012	mg/L	LUFT GC/MS	0.012	0.1	WKL	
MO-VEN	2017/18-5	Dry	6/6/2018 9:20:00 AM	6/8/2018 3:47:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-VEN	2017/18-5	Dry	6/6/2018 9:20:00 AM	6/11/2018 4:42:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-VEN	2017/18-5	Dry	6/6/2018 9:20:00 AM	6/11/2018 4:42:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	

Appendix H. RWQCB Permission of Toxicity Species Substitution



California Regional Water Quality Control Board Los Angeles Region



Recipient of the 2001 *Environmental Leadership Award* from Keep California Beautiful

Linda S. Adams
Agency Secretary

320 W. 4th Street, Suite 200, Los Angeles, California 90013
Phone (213) 576-6600 FAX (213) 576-6640 - Internet Address: <http://www.waterboards.ca.gov/losangeles>

Arnold Schwarzenegger
Governor

October 28, 2009

Ms. Norma Camacho, Director
Ventura County Watershed Protection District
800 South Victoria Ave., L#1600
Ventura, CA 93009-1600

Certified Mail
Return Receipt Requested
Claim No. 7009 0820 0001 6811 7509

**SUBJECT: TOXICITY TEST SPECIES SUBSTITUTION, VENTURA COUNTY
MUNICIPAL SEPARATE STORM SEWER SYSTEM DISCHARGE (MS4)
PERMIT (BOARD ORDER No. 09-0057; NPDES No. CAS004002)**

Dear Ms. Camacho:

On October 14, 2009, the Regional Board staff received a request from the Ventura County Watershed Protection District (County) to substitute topsmelt, *Atherinops affinis*, with the inland silverside, *Menidia beryllina*, due to the unavailability of topsmelt from the supplier. After consultation with US EPA staff, Regional Board staff denied the request. On October 15, 2009, the Regional Board received an e-mail from the County, titled "Notification of toxicity exception - (species unavailable) Ventura County MS4 NPDES Permit Order No. 09-0057 (Monitoring Program)". The County's e-mail communication was submitted pursuant to requirements in subparts D.5 and D.8(b) of the Ventura County MS4 Permit's Monitoring Program (Monitoring Program), which requires an explanation of the circumstance with documentation when toxicity tests cannot be performed to comply with the requirements of this permit, and written authorization from the Regional Board Executive Officer to substitute test species.

In order to evaluate the appropriateness of substituting topsmelt, *Atherinops affinis*, with the inland silverside, *Menidia beryllina*, in toxicity testing at mass emissions stations in the future, the Regional Board requires the County to conduct comparative static renewal toxicity tests on both species as follows. During the next storm event of this permit year (2009-10) and the first storm event of next permit year (2010-11), the County shall conduct toxicity tests on both topsmelt, *Atherinops affinis*, and the inland silverside, *Menidia beryllina*, along with giant kelp, *Macrocystis pyrifera*, and the purple sea urchin, *Strongylocentrotus purpuratus*, pursuant to subpart D.8(a) of the Monitoring Program. The County shall submit the results of the comparative toxicity tests as part of its reporting requirements.

RECEIVED

NOV 5 2009

California Environmental Protection Agency

Ms. Norma Camacho, Director
Ventura County Watershed Protection District

- 2 of 2 -

October 28, 2009

In the event that topsmelt, *Atherinops affinis*, is unavailable for testing during future sampling events conducted under the Monitoring Program, the County shall follow the protocol set forth in subpart D.5 of the Monitoring Program. The County shall notify the Regional Board by phone and e-mail as soon as possible if a test species is unavailable. Notification shall be sent directly to me as well as Tracy Woods, Stormwater Permitting Unit, with a copy to Renee Purdy, Chief, Regional Programs Section. The County shall submit to the Regional Board documentation of species unavailability from both the County's contract lab and the contract lab's supplier at least 48 hours prior to the planned sampling event to provide adequate time for my staff to evaluate any request for species substitution. Any approval or denial of a request for species substitution must be authorized pursuant to subpart D.8(b) of the Monitoring Program.

If you have any questions, please contact me at (213) 576-6605, or Renee Purdy at (213) 576-6783.

Sincerely,



Tracy J. Egoscue,
Executive Officer

cc: Mr. Bruce Fujimoto, Division of Water Quality, State Water Resources Control Board
Mr. Gerhardt Hubner, Ventura County Watershed Protection District
Mr. Arne Anselm, Ventura County Watershed Protection District

Appendix I. Aquatic Toxicity Testing Lab Results

Kelly Hahs
Ventura County Watershed Protection District
800 South Victoria Ave., L#1610
Ventura, CA 93009

February 5, 2018

Kelly:

I have enclosed our report "Evaluation of the Toxicity of Ventura County Watershed Protection District Stormwater Samples" for the samples that were collected January 8-9, 2018. The results of this testing are summarized below.

Toxicity summary for VCWPD mass emission station stormwater samples.			
Sample Station	Toxicity Present Relative to the Lab Control treatment?		
	<i>Atherinops affinis</i>		Purple Urchin
	Survival	Growth	Fertilization
ME-CC	no	no	
ME-SCR			no ^a
ME-VR2	YES	YES	

a - The fertilization response in the Salt Control treatment was significantly less than in the Lab Water Control, indicating that the use of artificial sea salt may have impaired fertilization. Accordingly, the test data were analyzed comparing the site water treatment to the Salt Control.

Toxicity summary for VCWPD major outfall station stormwater samples.					
Sample Station	Toxicity Present Relative to the Lab Control treatment?				
	<i>Selenastrum capricornutum</i>	<i>Ceriodaphnia dubia</i>		Fathead Minnow	
	Growth	Survival	Reproduction	Survival	Growth
MO-CAM				no	YES
MO-OJA				YES^b	YES^b
MO-MEI				YES^b	YES^b
MO-VEN		no	YES		
MO-OXN				YES^b	YES^b
MO-HUE		no	YES		
MO-THO		no	no/ Yes^a		
MO-MPK	no				
MO-SIM		no	no		
MO-FIL		no	no		
MO-SPA				no	YES

* As per EPA guidance, samples with a significant reduction in survival are not evaluated for growth toxicity.

a - There was an outlier replicate in the Lab Control treatment. Per EPA instructions, the results are presented including and excluding the outlier.

b - Pathogen-related mortality (PRM) was observed in this treatment.

Chronic Toxicity of VCWPD Stormwater to Purple Urchin Fertilization

There was no significant reduction in purple urchin fertilization in the ME-SCR stormwater sample.

It is important to note that the fertilization response in the Salt Control treatment was significantly less than in the Lab Water Control, indicating that the use of artificial sea salt may have impaired fertilization. Accordingly, the test data were analyzed comparing the site water treatment to the Salt Control. For future testing events, a new box of artificial sea salt will be used to adjust the salinity of the site water.

Chronic Toxicity of VCWPD Stormwater to *Atherinops affinis* (Topsmelt)

There was no significant reduction in topsmelt survival or growth in the ME-CC stormwater sample. There was a significant reduction in topsmelt survival and growth in the ME-VR2 stormwater sample.

It is important to note that low dissolved oxygen (D.O.) measurements were observed in the ME-VR2 sample, and aeration of the test could not maintain the D.O. ≥ 4 mg/L, potentially causing the reduction in survival and growth in this treatment rather than a contaminant. As large amounts of solids in the sample may have caused the low D.O. values, we recommend sample filtration (using a sterile 0.45- μ m filter) be considered prior to testing future samples collected from this location, as well as aerating this sample at test initiation.

Chronic Toxicity of VCWPD Stormwater to *Selenastrum capricornutum*

There was no significant reduction in *S. capricornutum* growth in the MO-MPK stormwater sample.

Chronic Toxicity of VCWPD Stormwater to *Ceriodaphnia dubia*

There was no significant reduction in *C. dubia* survival in any of the stormwater samples. There was no significant reduction in *C. dubia* reproduction in the MO-SIM, MO-THO, and MO-FIL stormwater samples when an outlier replicate in the Lab Control treatment was excluded from the analyses; there was a significant reduction in the MO-THO stormwater sample when the Lab Control outlier replicate was included in the analyses. There was a significant reduction in reproduction in the MO-HUE and MO-VEN stormwater samples (both including and excluding the outlier replicate in the Lab Control).

Chronic Toxicity of VCWPD Stormwater to Fathead Minnows

There was no significant reduction in fathead minnow survival in the MO-CAM and MO-SPA stormwater samples; there was a significant reduction in survival in the MO-OJA, MO-MEI, and MO-OXN stormwater samples. There was a significant reduction in fathead minnow growth in all stormwater samples tested.



It is important to note that low dissolved oxygen (D.O.) was observed in the MO-MEI sample, and aeration of the test could not maintain the D.O. ≥ 4 mg/L, potentially causing the reduction in survival and growth in this treatment rather than a contaminant. As large amounts of solids in the sample may have caused the low D.O. values, we recommend sample filtration (using a sterile 0.45- μ m filter) be considered prior to testing future samples collected from this location, as well as aerating this sample at test initiation.

Please also note, pathogen related mortalities (PRM) were observed in the MO-OJA, MO-OXN, and MO-MEI samples. PRM is considered an artifact of the test methodology. PRM is well documented in the EPA guidelines (EPA-821-R-02-013) as caused by microorganisms, and it is acknowledged that PRM interferes with the toxicity evaluation. PRM was not observed in the Lab Control treatment, indicating that the source of pathogens was the ambient water sample. To resolve the observation of PRM in the affected samples, future testing could be performed following the protocol using 20 test replicates noted in the EPA testing manual.

If you have any questions regarding the performance and interpretation of these tests, feel free to contact me or my colleague Stephen Clark at (707) 207-7760.

Sincerely,

Stevi Vasquez
Project Manager



Pacific EcoRisk is accredited in accordance with NELAP (ORELAP ID 4043). Pacific EcoRisk certifies that the test results reported herein conform to the most current NELAP requirements for parameters for which accreditation is required and available. Any exceptions to NELAP requirements are noted, where applicable, in the body of the report. This report shall not be reproduced, except in full, without the written consent of Pacific EcoRisk. This testing was performed under Lab Order 27911.

Evaluation of the Toxicity of Ventura County Watershed Protection District Stormwater Samples

Samples collected January 8-9, 2018

Prepared For:

Ventura County Watershed Protection District
800 South Victoria Ave., L#1610
Ventura, CA 93009

Prepared By:

Pacific EcoRisk
2250 Cordelia Road
Fairfield, CA 94534

February 2018



PACIFIC ECORISK
ENVIRONMENTAL CONSULTING & TESTING

Evaluation of the Toxicity of Ventura County Watershed Protection District Stormwater Samples

Samples collected January 8-9, 2018

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1. INTRODUCTION

Under contract to Ventura County Watershed Protection District, Pacific EcoRisk (PER) has been contracted to evaluate the toxicity of stormwater samples collected for the Ventura County Watershed Protection District (VCWPD). This evaluation consists of performing the following US EPA short-term chronic toxicity tests:

- echinoderm sperm fertilization test with the purple urchin, *Strongylocentrotus purpuratus*;
- 7-day survival and growth test with the topsmelt, *Atherinops affinis*;
- 96-hour algal growth test with the green alga, *Selenastrum capricornutum*;
- 3-brood survival and reproduction test with the crustacean, *Ceriodaphnia dubia*; and
- 7-day survival and growth test with larval fathead minnows (*Pimephales promelas*).

These toxicity tests were conducted on stormwater samples collected on January 8-9, 2018. This report describes the performance and results of these tests.

2. CHRONIC TOXICITY TEST PROCEDURES

The methods used in conducting the chronic toxicity tests followed the guidance established by the following EPA manuals:

- “Short-term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to West Coast Marine and Estuarine Organisms” (EPA/600/R-95/136); and
- “Short-term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms, Fourth Edition” (EPA-821-R-02-013).

2.1 Sample Receipt and Handling

On January 8-9, VCWPD staff collected stormwater samples from 14 stations into appropriately-cleaned containers. These samples were transported on ice and under chain-of-custody to the PER laboratory in Fairfield, CA. Upon receipt at the laboratory, aliquots of the water samples were collected for analysis of initial water quality characteristics (Tables 1a and 1b). The samples were then stored at 0-6°C except when being used to prepare test solutions. The chain-of-custody records for the collection and delivery of these samples are presented in Appendix A.

Table 1a. Initial water quality characteristics of the VCWPD mass emission station stormwater samples.						
Date Sample Received	Sample ID	Temp. (°C)	pH	D.O. (mg/L)	Conductivity (µS/cm)	Total Ammonia (mg/L N)
1/10/18	ME-CC	0.0	7.58	8.5	1032	<1.0
1/10/18	ME-SCR	0.0	7.96	10.7	3216	<1.0
1/10/18	ME-VR2	0.0	7.76	8.1	1654	2.4

Table 1b. Initial water quality characteristics of the VCWPD major outfall station stormwater samples.								
Date Sample Received	Sample ID	Temp. (°C)	pH	D.O. (mg/L)	Alkalinity (mg/L)	Hardness (mg/L)	Conductivity (μS/cm)	Total Ammonia (mg/L N)
1/10/18	MO-CAM	0.0	7.80	8.4	494	120	524	<1.0
1/10/18	MO-OJA	0.0	7.65	8.0	855	120	322	1.6
1/10/18	MO-MEI	0.0	7.47	8.2	840	194	631	3.1
1/10/18	MO-VEN	0.0	7.56	8.6	320	76	253	<1.0
1/10/18	MO-OXN	0.0	7.39	8.4	268	76	249	<1.0
1/10/18	MO-HUE	0.0	7.50	8.1	1225	505	3017	<1.0
1/10/18	MO-THO	0.0	7.66	8.6	712	226	678	<1.0
1/10/18	MO-MPK	0.0	7.62	8.8	472	112	428	<1.0
1/10/18	MO-SIM	0.0	7.77	9.1	720	250	764	1.0
1/10/18	MO-FIL	0.0	7.65	9.1	298	66	180	<1.0
1/10/18	MO-SPA	0.0	7.48	8.7	306	66	197	1.2

2.2 Echinoderm Fertilization Toxicity Testing with *Strongylocentrotus purpuratus*

The echinoderm sperm cell fertilization test consists of exposing purple sea urchin or sand dollar sperm to the stormwater, after which the effects on successful fertilization of the eggs are determined. The specific procedures used in this testing are described below.

Sperm and eggs were generated from gravid adult purple urchins, *S. purpuratus*. The gravid adult urchins were obtained from a commercial supplier (Alexi Gabriel, San Diego, CA). Upon receipt at the lab, the urchins were held at 12°C. Spawning of the urchins was induced by injection with 0.5 M KCl, followed by vigorous shaking of the animals to stimulate gamete release, as per EPA guidelines. The gametes from each spawning individual were collected and examined microscopically; the gametes exhibiting the best quality (as determined from morphology and trial fertilization) were pooled to provide a composite of high quality sperm and a composite of high quality eggs.

The Lab Water Control medium for this test consisted of 1-μm filtered seawater (collected from the UC Granite Canyon Marine Lab). The stormwater sample was adjusted to the test salinity of approximately 33 ppt using an artificial sea salt (Tropic Marin®). As an additional QA measure, and in order to assess any potential artefactual toxicity that might have been caused by the addition of the sea salt to the sample, a Salt Control consisting of Type 1 lab water (reverse-osmosis, de-ionized water) adjusted to a salinity of 33 ppt using the same artificial sea salt was prepared and tested. Routine water quality characteristics (pH, D.O., and salinity) were measured for each test solution prior to use in this test.

There were four replicates at each test treatment. Each test replicate consisted of a 30-mL glass vial to which five mL of appropriate test solution was added. The test was initiated with the inoculation of an appropriate quantity of sperm into each replicate vial to achieve a final sperm-to-egg ratio of 2000:1. After a 20-min exposure period, approximately 1000 eggs were inoculated into each vial. After an additional 20-min exposure, the test was terminated with all of the test embryos being fixed by the addition of 0.5 mL of 1% glutaraldehyde.

The contents of each preserved test vial were subsequently examined microscopically to determine the percentage of embryos exhibiting successful fertilization. The resulting percentage fertilization data were analyzed to determine any impairment(s) caused by the stormwater; all statistical analyses were performed using the CETIS statistical software.

2.3 Survival and Growth Toxicity Testing with Topsmelt (*Atherinops affinis*)

The chronic toxicity test with topsmelt consists of exposing larval fish to the stormwater samples for seven days, after which effects on survival and growth are evaluated. The specific procedures used in this testing are described below.

The larval topsmelt used in these tests were obtained from a commercial supplier (Aquatic Biosystems, Fort Collins, CO). Upon receipt at the testing lab, the larval fish were maintained in aerated Lab Water Control medium, and were fed brine shrimp nauplii *ad libitum* during the pre-test holding period.

The Lab Water Control medium for these tests consisted of 1- μ m filtered U.C. Granite Canyon Marine Laboratory seawater. The stormwater samples were adjusted to a salinity of approximately 33 ppt via addition of an artificial sea salt (Crystal Seas[®]-bioassay grade). The samples were tested at the 100% concentration only. Routine water quality characteristics (pH, D.O., and salinity) were measured for each test solution prior to use in these tests.

There were five replicates for each test treatment, each replicate consisting of 400 mL of test solution in a 600-mL glass beaker. The tests were initiated by randomly allocating five 15-day old topsmelt into each replicate beaker. The beakers were randomly positioned in a temperature-controlled room at 20°C (with temperature being monitored daily), under a 16L:8D photoperiod. These test fish were fed brine shrimp nauplii twice daily.

Each day of the tests, fresh test solutions were prepared as before. The test replicate beakers were examined, with any dead animals, uneaten food, wastes, and other detritus being removed. The number of live fish in each replicate was determined and then approximately 80% of the test solution in each beaker was carefully poured out and replaced with fresh test solution. “Old” water quality characteristics (pH and D.O.) were measured on the old test water collected from one randomly selected replicate at each treatment. The test beakers were then placed back into the temperature-controlled room.

After seven days exposure, the tests were terminated and the number of live fish in each replicate beaker was recorded. The fish from each replicate were then carefully euthanized in methanol, rinsed in de-ionized water, and transferred to a pre-tared weighing pan. The fish were then dried at 100°C for >24 hrs and re-weighed to determine the total weight of fish in each replicate; the total weight was then divided by the initial number of fish per replicate to determine the “biomass value”. The resulting survival and growth (biomass value) data were analyzed to determine any impairment(s) caused by the stormwater samples; all statistical analyses were performed using the CETIS® statistical software (TidePool Scientific, McKinleyville, CA).

2.4 Algal Growth Toxicity Testing with *Selenastrum capricornutum*

The short-term chronic toxicity algal test consists exposing *Selenastrum capricornutum* to the stormwater for 96 hrs, after which the effects on cell growth are evaluated. The specific procedures used in this testing are described below.

The Lab Water Control medium for this test consisted of Type 1 lab water (reverse-osmosis, de-ionized water). The stormwater sample was tested at the 100% concentration only. The Lab Water Control medium and the stormwater sample were filtered through sterile 0.45 µm filters and then spiked with nutrients, as per EPA guidelines. “New” water quality characteristics (pH, D.O., and conductivity) were measured on the resulting test solutions prior to use in the test.

There were 4 replicates at each test treatment, each replicate consisting of a 250-mL glass Erlenmeyer flask containing 100 mL of test solution; an additional replicate was established at each test treatment for the measurement of test solution water quality characteristics during the test and at test termination. Each flask was inoculated to an initial algal cell density of 10,000 cells/mL from a laboratory culture of *Selenastrum* that is maintained in log growth phase.

These flasks were loosely capped and randomly positioned within a temperature-controlled room at 25°C, under continuous cool-white fluorescent illumination. Each replicate flask was shaken a minimum of three times daily. The temperature and pH were determined daily for the designated “water quality” replicate at each treatment.

After 96 (±2) hrs exposure, the algal cell density in each replicate flask was determined by spectrophotometric analysis. The resulting cell density data were analyzed to determine any growth impairment, or toxicity, caused by the stormwater; all statistical analyses were performed using the CETIS statistical software.

2.5 Survival and Reproduction Toxicity Testing with *Ceriodaphnia dubia*

The short-term chronic *Ceriodaphnia* test consists of exposing individual females to the stormwater samples for the length of time it takes for the Lab Control treatment females to

produce three broods (typically 6-8 days), after which effects on survival and reproduction are evaluated. The specific procedures used in this testing are described below.

The Lab Water Control medium for this test consisted of modified US EPA synthetic moderately hard water, prepared by addition of reagent grade chemicals to Type 1 lab water. The stormwater samples were tested at the 100% concentration only. Each treatment consisted of a 200 mL aliquot of test solution to which the alga *S. capricornutum* and Yeast-Cerophyll®-Trout food (YCT) had been added to provide food for the test organisms. “New” water quality characteristics (pH, D.O., and conductivity) were measured on these food-amended test solutions prior to use in these tests.

There were 10 replicates for each test treatment, each replicate consisting of 15 mL of test solution in a 30-mL plastic cup. The tests were initiated by allocating one neonate (<24 hours old and within 8 hours of age) *C. dubia*, obtained from in-house laboratory cultures, into each replicate cup. The replicate cups were placed in a temperature-controlled room at 25°C, under cool white fluorescent lighting on a 16L:8D photoperiod.

Each day of the test, fresh test solutions were prepared and characterized as before, and a new set of replicate cups was prepared. The original test replicate cups were examined, with surviving original individual organisms being transferred to the corresponding new cup. The contents of each of the remaining old replicate cups was carefully examined and the number of neonate offspring produced by each original organism was determined, after which the “old” water quality characteristics (pH, D.O., and conductivity) were measured for the old test solution from randomly-selected replicate(s) at each treatment.

After it was determined that ≥60% of the *Ceriodaphnia* in the Lab Control treatments had produced their third brood of offspring, the tests were terminated. The resulting survival and reproduction data were analyzed to determine any impairments caused by the stormwater samples. All statistical analyses were performed using the CETIS statistical software.

2.6 Survival and Growth Toxicity Testing with Larval Fathead Minnows

The short-term chronic fathead minnow test consists of exposing larval fish to the stormwater for 7 days, after which effects on survival and growth are evaluated. The specific procedures used in this testing are described below.

The larval fathead minnows used in these tests were obtained from a commercial supplier (Aquatox, Hot Springs, AR). Upon receipt at the lab, the larval fish were maintained in aerated tanks of EPA moderately-hard water at 25°C, and were fed brine shrimp nauplii *ad libitum*.

The Lab Water Control medium for this test consisted of EPA synthetic moderately-hard water. The stormwater samples were tested at the 100% concentration only. “New” water quality

characteristics (pH, D.O., and conductivity) were measured on these test solutions prior to use in the tests.

There were 4 replicates for each test treatment, each replicate consisting of 200 mL of test solution in a 600-mL glass beaker. The test was initiated by randomly allocating 10 larval fathead minnows (<48 hours old) into each replicate. The replicate beakers were placed in a temperature-controlled room at 25°C, under cool-white fluorescent lighting on a 16L:8D photoperiod. The test fish were fed brine shrimp nauplii twice daily.

Each day of the test, fresh test solutions were prepared for each treatment, and water quality characteristics were determined as before. The replicate beakers were examined, with any dead animals, uneaten food, wastes, and other detritus being removed. The number of live fish in each replicate was determined and then approximately 80% of the old test media in each beaker was carefully poured out and replaced with fresh test solution. “Old” water quality characteristics (pH, D.O., and conductivity) were measured on the old test water that had been discarded from one randomly selected replicate at each treatment.

After 7 days exposure, the test was terminated and the number of live fish in each replicate beaker was recorded. The fish from each replicate were then carefully euthanized in methanol, rinsed in de-ionized water, and transferred to a pre-tared weighing pan. These fish were then dried at 100°C for >24 hours and re-weighed to determine the total weight of fish in each replicate. The total weight was then divided by the initial number of fish per replicate to determine the “biomass value.” The resulting survival and biomass data were analyzed to determine any impairment caused by the stormwater samples. All statistical analyses were performed using the CETIS statistical software.

3. RESULTS

3.1 Effects of VCWPD Emission Station Stormwater on Purple Urchin Fertilization

The results of this test are summarized in Table 2. There was no significant reduction in fertilization in the ME-SCR stormwater sample. The test data and summary of statistical analyses for this test are presented in Appendix B.

Table 2. Effects of VCWPD emission station stormwater on purple urchin fertilization.		
Test Initiation Date (Time)	Treatment/Sample ID	Mean % Fertilization
1/10/18 (1107)	Lab Control	99.0
	Salt Control	31.5 ^a
	ME-SCR	72.0

a - The fertilization response in the Salt Control treatment was significantly less than in the Lab Water Control, indicating that the use of artificial sea salt may have impaired fertilization. Accordingly, the test data were analyzed comparing the stormwater sample to the Salt Control.

3.2 Effects of VCWPD Emission Station Stormwater on *Atherinops affinis*

The results for these tests are summarized in Table 3. There was no significant reduction in survival or growth in the ME-CC stormwater sample. There was a significant reduction in both survival and growth in the ME-VR2 stormwater sample. The test data and summary of statistical analyses for these tests are presented in Appendix C.

Table 3. Effects of VCWPD emission station stormwater on <i>Atherinops affinis</i> .			
Test Initiation Date (Time)	Treatment/Sample ID	Mean % Survival	Mean Biomass Value (mg)
1/10/18 (1710)	Lab Control	92.0	1.54
	ME-CC	100	1.88
	ME-VR2	16.0^{*a}	0.27^{*b}

* The response at this test treatment was significantly less than the Lab Control treatment response ($p < 0.05$).

a - Low dissolved oxygen (D.O.) values were observed in this test treatment, and aeration of the test could not maintain the D.O. >4 mg/L, potentially causing the reduced survival and growth in this treatment rather than a contaminant.

b - The EPA manual indicates that "concentrations that had a significant toxic effect on one of the observed responses would not be subsequently tested for an effect on some other response as only applying to dilution series testing." The Surface Water Ambient Monitoring Program (SWAMP) Roundtable has ruled that this does not apply to testing of 100% solution testing, and that hypothesis test results for both the survival and sub-lethal endpoints must be reported for SWAMP compliant programs. We have complied with this requirement by indicating that this treatment is toxic to survival and reproduction.

3.3 Effects of VCWPD Major Outfall Station Stormwater on *Selenastrum capricornutum*

The results for this test are summarized in Table 4. There was no significant reduction in algal growth in the MO-MPK stormwater sample. The test data and summary of statistical analyses for this test are presented in Appendix D

Table 4. Effects of VCWPD major outfall station stormwater on <i>Selenastrum capricornutum</i> .		
Test Initiation Date (Time)	Treatment/Sample ID	Mean Algal Cell Density (cells/mL x 10 ⁶)
1/10/18 (1709)	Lab Control	2.58
	MO-MPK	4.44

3.4 Effects of VCWPD Major Outfall Station Stormwater on *Ceriodaphnia dubia*

The results for this test are summarized in Table 5. There was no significant reduction in *C. dubia* survival in any of the stormwater samples tested. There was no significant reduction in *C. dubia* reproduction in the MO-SIM, MO-THO, and MO-FIL stormwater samples when an outlier replicate in the Lab Control treatment was excluded from the analyses; there was a significant reduction in the MO-THO stormwater sample when the Lab Control outlier replicate was included in the analyses. There was a significant reduction in reproduction in the MO-HUE and MO-VEN stormwater samples (both including and excluding the outlier replicate in the Lab Control). The test data and summary of statistical analyses excluding outliers are presented in Appendix E; the summary of statistical analyses including outliers is presented in Appendix F.

Table 5. Effects of VCWPD major outfall station stormwater on <i>Ceriodaphnia dubia</i> .			
Test Initiation Date (Time)	Treatment/Sample ID	Mean % Survival	Mean Reproduction (# neonates/female)
1/10/18 (1900)	Lab Control	100	34.3/36.0 ^a
	MO-SIM	100	38.1/36.1 ^a
	MO-THO	100	29.2*
	MO-HUE	70	9.3*
	MO-VEN	90	17.0*
	MO-FIL	100	33.2/31.5 ^a

* The response at this test treatment was significantly less than the Lab Control treatment response ($p < 0.05$).

a - Analysis of the data indicated the presence of an outlier in this treatment, and the results reported above are for the analyses of the test data excluding the outlier. As per EPA guidelines, the test data were analyzed both with and without the outlier, and the results of both sets of analyses are reported in the appendices.

3.5 Effects of VCWPD Major Outfall Station Stormwater on Fathead Minnows

The results for this test are summarized in Table 6. There was no significant reduction in fathead minnow survival in the MO-CAM and MO-SPA stormwater samples; there was a significant reduction in survival in the MO-OJA, MO-MEI, and MO-OXN stormwater samples. There was a significant reduction in fathead minnow growth in all stormwater samples tested. The test data and summary of statistical analyses for this test are presented in Appendix G.

Table 6. Effects of VCWPD major outfall station stormwater on fathead minnows.			
Test Initiation Date (Time)	Treatment/Sample ID	Mean % Survival	Mean Biomass Value (mg)
1/10/18 (1854)	Lab Control	100	1.01
	MO-CAM	100	0.87*
	MO-OJA	65.0*	0.32*^{a,c}
	MO-MEI	36.7*	0.13*^{a,b,c}
	MO-OXN	87.5*	0.60*^{a,c}
	MO-SPA	87.5	0.44*

* The response at this test treatment was significantly less than the Lab Control treatment response ($p < 0.05$).

- a - Pathogen related mortalities (PRM) were observed in this treatment. PRM is considered an artifact of the test methodology. PRM is well documented in the EPA guidelines (EPA-821-R-02-013) as caused by microorganisms, and it is acknowledged that PRM interferes with the toxicity evaluation. PRM was not observed in the Lab Control treatment, indicating that the source of pathogens was the stormwater sample.
- b - Low dissolved oxygen (D.O.) values were observed in this test treatment, potentially causing the reduced survival and growth rather than a contaminant. Sample filtration and aeration should be considered prior to conducting future testing on this site water.
- c - The EPA manual indicates that "concentrations that had a significant toxic effect on one of the observed responses would not be subsequently tested for an effect on some other response as only applying to dilution series testing." The Surface Water Ambient Monitoring Program (SWAMP) Roundtable has ruled that this does not apply to testing of 100% solution testing, and that hypothesis test results for both the survival and sub-lethal endpoints must be reported for SWAMP compliant programs. We have complied with this requirement by indicating that this treatment is toxic to survival and reproduction.

4. AQUATIC TOXICITY DATA QUALITY CONTROL

Two QC measures were assessed during the toxicity testing:

- Maintenance of acceptable test conditions; and
- Negative Control testing;

4.1 Maintenance of Acceptable Test Conditions

Due to the timing of the storm and concern for VCWPD staff safety, the samples were collected over two days and transported to PER the following morning. Tests using samples that were collected on January 8 were initiated outside the 36 hr hold time, but within 72 hrs as allowed in the VCWPD MRP. During the routine D.O. check of the *A. affinis* test on Day 1, a low D.O. of <1.0 mg/L was measured in the ME-VR2 sample, resulting in aeration for the remainder of testing. Despite aeration, the sample continued to exhibit low D.O. values (possibly due to the amount of solids present), potentially causing the observed reduction in survival and growth. During the routine D.O. check of the fathead minnow test on Day 0, a low D.O. of 3.1 mg/L and <1.0 mg/L was measured in the MO-OJA and MO-MEI samples, respectively, resulting in aeration for the remainder of testing; the MO-SPA sample was aerated on Day 1 due to a low D.O. of 4.1 mg/L, and the MO-CAM sample was aerated on Day 5 due to a low D.O. of 4.8 mg/L. Despite aeration of the MO-MEI sample, the sample continued to exhibit low D.O. values (possibly due to the amount of solids present), potentially causing the observed reduction in survival and growth.

Pathogen related mortalities (PRM) were observed in the fathead minnow test in sites MO-OJA, MO-OXN, and MO-MEI. PRM is considered an artifact of the test methodology. PRM is well documented in the EPA guidelines (EPA-821-R-02-013) as caused by microorganisms, and it is acknowledged that PRM interferes with the toxicity evaluation. PRM was not observed in the Lab Control treatment, indicating that the source of pathogens was the ambient water sample.

The Salt Control treatment in the purple urchin fertilization test was significantly less than in the Lab Water Control, indicating that the use of artificial sea salt may have impaired fertilization.

Otherwise, all other test conditions (pH, D.O., temperature, etc.) were within acceptable limits. All analyses were performed according to laboratory Standard Operating Procedures.

4.2 Negative Control Testing

The responses at the Lab Control treatments were acceptable.

5. SUMMARY AND CONCLUSIONS

An evaluation of the toxicity of VCWPD stormwater samples was conducted utilizing samples collected on January 8-9, 2018. A summary of test results is provided below.

Chronic Toxicity of VCWPD Stormwater to Purple Urchin Fertilization

There was no significant reduction in purple urchin fertilization in the ME-SCR stormwater sample.

Chronic Toxicity of VCWPD Stormwater to *Atherinops affinis* (Topsmelt)

There was no significant reduction in topsmelt survival or growth in the ME-CC stormwater sample. There was a significant reduction in topsmelt survival and growth in the ME-VR2 stormwater sample.

Chronic Toxicity of VCWPD Stormwater to *Selenastrum capricornutum*

There was no significant reduction in *S. capricornutum* growth in the MO-MPK stormwater sample.

Chronic Toxicity of VCWPD Stormwater to *Ceriodaphnia dubia*

There was no significant reduction in *C. dubia* survival in any of the stormwater samples. There was no significant reduction in *C. dubia* reproduction in the MO-SIM, MO-THO, and MO-FIL stormwater samples when an outlier replicate in the Lab Control treatment was excluded from the analyses; there was a significant reduction in the MO-THO stormwater sample when the Lab Control outlier replicate was included in the analyses. There was a significant reduction in reproduction in the MO-HUE and MO-VEN stormwater samples (both including and excluding the outlier replicate in the Lab Control).

Chronic Toxicity of VCWPD Stormwater to Fathead Minnows

There was no significant reduction in fathead minnow survival in the MO-CAM and MO-SPA stormwater samples; there was a significant reduction in survival in the MO-OJA, MO-MEI, and MO-OXN stormwater samples. There was a significant reduction in fathead minnow growth in all stormwater samples tested.

Appendix A

Chain-of-Custody Records for the Collection and Delivery of the VCWPD Samples

(707) 207-7760 FAX (707) 207-7916

Results To:						Ventura County Watershed Protection District																																									
Address:						800 South Victoria Ave., L#1610 Ventura, CA 93009-1610																																									
Phone:						(805) 658-4375																																									
Attn:						Kelly Hahs																																									
E-mail:						Kelly.Hahs@ventura.org																																									
Project Name:						NPDES Stormwater Monitoring Program - 2017/18-1 (Wet)																																									
P.O.#/Ref:						Contract No. AE18-015																																									
Client Sample ID						Sample Date		Sample Time		Sample Matrix*		Grab/ Comp		Container <div>NumberType</div>		REQUESTED ANALYSIS																															
ME-CC						1/9/18		0940		FW		Grab		2		2.5-gal jerrican		X	Topsmelt (<i>Atherinops affinis</i>) Survival and Growth, EPA	Purple Urchin (<i>S. purpuratus</i>) Sperm Fertilization, EPA 1008.0	<i>Selenastrum Capricornutum</i> Algal Growth, EPA 1003.0	Ceriodaphnia dubia Survival and Reproduction, EPA 1002.0	Fathead Minnow (<i>P. promelas</i>) Survival and Growth, EPA 1000.0									JM															
ME-SCR								1245		FW		Grab		2		2.5-gal jerrican				X														JM, TS													
ME-VR2								1110		FW		Grab		2		2.5-gal jerrican		X																JM, TS													
MO-CAM						1/8/18		2100		FW		Grab		2		2.5-gal jerrican							X										JM, DL														
MO-OJA								1315		FW		Grab		2		2.5-gal jerrican							X											WBC, TS													
MO-MEI								1415		FW		Grab		2		2.5-gal jerrican							X											WBC, TS													
MO-VEN								1707		FW		Grab		2		2.5-gal jerrican						X												JM, DL													
Samples collected by:																																															
Comments/Special Instruction: All sites/species: 100% concentration only Perform TIE if >50% effect; notify client immediately if toxicity is observed						RELINQUISHED BY: KELLY HAHS														RECEIVED BY:																											
						Signature: Kelly Haas														Signature: [signature]																											
						Print: KELLY HAAS														Print: Vannie Chaban																											
						Organization: VCWPD														Organization: FedEx CC																											
						Date: 1/9/18 Time: 1512														Date: 1/9/18 Time: 1512																											
						RELINQUISHED BY:														RECEIVED BY:																											
						Signature:														Signature: Samantha Cowdin																											
						Print:														Print: Samantha Cowdin																											
						Organization: PER														Organization: PER																											
						Date:														Time:														Date: 1/10/18 Time: 0745													

*Example Matrix Codes: (EFF - Effluent) (FW = Freshwater); (SW = Saltwater); (WW = Wastewater); (STRMW = Stormwater); (SED = Sediment); or other



Pacific EcoRisk

2250 Cordelia Rd., Fairfield, CA 94534

(707) 207-7760 FAX (707) 207-7916

CHAIN-OF-CUSTODY RECORD

Results To: Ventura County Watershed Protection District		Invoice To: Ventura County Public Works Agency		REQUESTED ANALYSIS														
Address: 800 South Victoria Ave., L#1610 Ventura, CA 93009-1610		Address: Engineering Services Division 800 South Victoria Ave., L#1670 Ventura CA 93009-1670		Topsmelt (Atherinops affinis) Survival and Growth, EPA	Purple Urchin (S. purpuratus) Sperm Fertilization, EPA 1008.0	Selenastrum Capricornutum Algal Growth, EPA 1003.0	Ceriodaphnia dubia Survival and Reproduction, EPA 1002.0	Fathead Minnow (P. promelas) Survival and Growth, EPA 1000.0										
Phone: (805) 658-4375		Phone:																
Attn: Kelly Hahs		Attn: Victoria Escoto																
E-mail: Kelly.Hahs@ventura.org		E-mail:																
Project Name: NPDES Stormwater Monitoring Program - 2017/18-1 (Wet)		P.O.#/Ref: Contract No. AE18-015																
Client Sample ID	Sample Date	Sample Time	Sample Matrix*	Grab/Comp	Container													
					Number	Type												
1 MO-OXN	1/8/18	1835	FW	Grab	2	2.5-gal jerrican							X					
2 MO-HUE		1955	FW	Grab	2	2.5-gal jerrican						X						
3 MO-THO		2010	FW	Grab	2	2.5-gal jerrican						X						
4 MO-MPK		1740	FW	Grab	2	2.5-gal jerrican				X								
5 MO-SIM		1910	FW	Grab	2	2.5-gal jerrican						X						
6 MO-FIL		1645	FW	Grab	2	2.5-gal jerrican						X						
7 MO-SPA	✓	1600	FW	Grab	2	2.5-gal jerrican							X					
8																		
9																		
10																		
Samples collected by:																		
Comments/Special Instruction:				RELINQUISHED BY:										RECEIVED BY:				
All sites/species: 100% concentration only Perform TIE if >50% effect; notify client immediately if toxicity is observed MO-HUE: If salinity >2ppt, perform additional topsmelt test for comparison				Signature: Kelly Hahs										Signature: Benoit				
				Print: KELLY HAHS										Print: Vendo Choban				
				Organization: VCWPD										Organization: Fed Ex CC				
				Date: 1/9/18 Time: 1512										Date: 1/9/18 Time: 1512				
				RELINQUISHED BY:										RECEIVED BY:				
				Signature:										Signature: Samantha Cowden				
				Print:										Print: Samantha Cowden				
				Organization:										Organization: DER				
				Date:										Date: 1/10/18				
				Time:										Time: 0745				

*Example Matrix Codes: (EFF - Effluent) (FW = Freshwater); (SW = Saltwater); (WW = Wastewater); (STRMW = Stormwater); (SED = Sediment); or other

Appendix B

Test Data and Summary of Statistics for the Evaluation of the Chronic Toxicity of the VCWPD Stormwater to Purple Urchin Fertilization

CETIS Summary Report

Report Date: 23 Jan-18 13:28 (p 1 of 1)
Test Code: VCWPD_0110_SP | 12-2854-8445

Echinoid Fertilization Test						Pacific EcoRisk					
Batch ID:	00-1165-2942	Test Type:	Fertilization	Analyst:	Stevi Vasquez						
Start Date:	10 Jan-18 11:07	Protocol:	EPA/600/R-95/136 (1995)	Diluent:	Not Applicable						
Ending Date:	10 Jan-18 11:47	Species:	Strongylocentrotus purpuratus	Brine:	Tropic Marin						
Duration:	40m	Source:	Alexi Gabriel	Age:	N/A						
Comments: Statistics comparing site water to salt control due to salt interference											
Sample Code	Sample ID	Sample Date	Receipt Date	Sample Age	Client Name	Project					
VCWPD_0110_SP	05-6408-6491	10 Jan-18 11:07	10 Jan-18 11:07	n/a (11.9 °C)	Ventura County Watersh	27911					
VCWPD_SP_SALT	02-8057-2399	10 Jan-18 11:07	10 Jan-18 11:07	n/a (11.9 °C)							
ME-SCR	04-8509-6239	09 Jan-18 12:45	10 Jan-18 07:45	22h (0 °C)							
Sample Code	Material Type	Sample Source	Station Location	Lat/Long							
VCWPD_0110_SP	Lab Water	Ventura County Watershed Prote	LABQA								
VCWPD_SP_SALT	Salt Control	Ventura County Watershed Prote	Salt Control								
ME-SCR	Ambient Water	Ventura County Watershed Prote	ME-SCR								
Single Comparison Summary											
Analysis ID	Endpoint	Comparison Method	P-Value	Comparison Result							
04-6358-0783	Fertilization Rate	Equal Variance t Two-Sample Test	1.2E-04	VCWPD_SP_SALT failed fertilization rate							
18-5155-7018	Fertilization Rate	Equal Variance t Two-Sample Test	0.9949	ME-SCR passed fertilization rate							
Fertilization Rate Summary											
Sample	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
VCWPD_0110_SP	LW	4	0.990	0.972	1.000	0.980	1.000	0.006	0.012	1.17%	0.00%
VCWPD_SP_SALT	SA	4	0.315	0.000	0.646	0.150	0.610	0.104	0.208	66.06%	68.18%
ME-SCR		4	0.720	0.625	0.815	0.650	0.790	0.030	0.059	8.26%	27.27%
Fertilization Rate Detail											
Sample	Code	Rep 1	Rep 2	Rep 3	Rep 4						
VCWPD_0110_SP	LW	1.000	0.980	1.000	0.980						
VCWPD_SP_SALT	SA	0.310	0.150	0.610	0.190						
ME-SCR		0.740	0.700	0.650	0.790						
Fertilization Rate Binomials											
Sample	Code	Rep 1	Rep 2	Rep 3	Rep 4						
VCWPD_0110_SP	LW	100/100	98/100	100/100	98/100						
VCWPD_SP_SALT	SA	31/100	15/100	61/100	19/100						
ME-SCR		74/100	70/100	65/100	79/100						

CETIS Analytical Report

Report Date: 23 Jan-18 10:53 (p 2 of 2)

Test Code: VCWPD_0110_SP | 12-2854-8445

Echinoid Fertilization Test				Pacific EcoRisk	
Analysis ID:	04-6358-0783	Endpoint:	Fertilization Rate	CETIS Version:	CETISv1.9.2
Analyzed:	23 Jan-18 10:53	Analysis:	Parametric-Two Sample	Official Results:	Yes
Data Transform	Alt Hyp	Comparison Result			PMSD
Angular (Corrected)	C > T	VCWPD_SP_SALT failed fertilization rate			8.94%

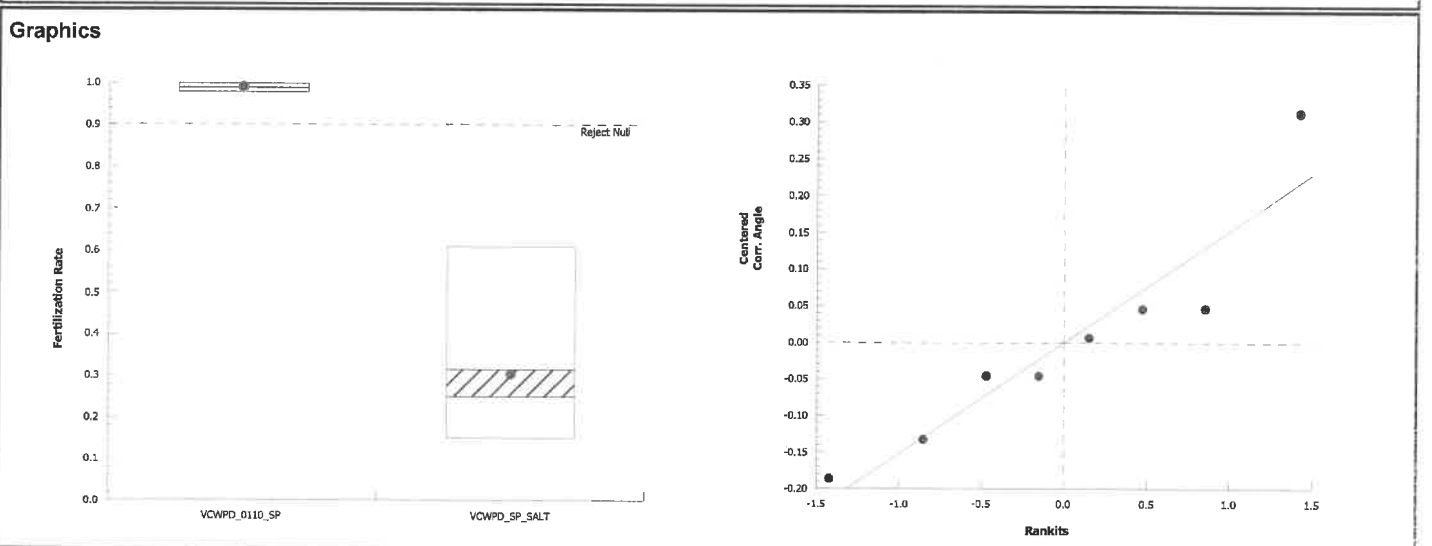
Equal Variance t Two-Sample Test									
Sample I	vs	Sample II	Test Stat	Critical	MSD	DF	P-Type	P-Value	Decision(α:5%)
Lab Water Control		Salt Control*	7.75	1.94	0.223	6	CDF	1.2E-04	Significant Effect

ANOVA Table						
Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	1.5876	1.5876	1	60.1	2.4E-04	Significant Effect
Error	0.158408	0.0264013	6			
Total	1.74601		7			

Distributional Tests						
Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)	
Variances	Variance Ratio F Test	17.8	47.5	0.0411	Equal Variances	
Distribution	Shapiro-Wilk W Normality Test	0.899	0.645	0.2810	Normal Distribution	

Fertilization Rate Summary											
Sample	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
VCWPD_0110_SP	LW	4	0.990	0.972	1.000	0.990	0.980	1.000	0.006	1.17%	0.00%
VCWPD_SP_SALT	SA	4	0.315	0.000	0.646	0.250	0.150	0.610	0.104	66.06%	68.18%

Angular (Corrected) Transformed Summary											
Sample	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
VCWPD_0110_SP	LW	4	1.47	1.39	1.56	1.47	1.43	1.52	0.0265	3.60%	0.00%
VCWPD_SP_SALT	SA	4	0.584	0.228	0.94	0.521	0.398	0.896	0.112	38.29%	60.41%



Echinoderm Fertilization Toxicity Test Data Sheet

Client: Ventura County Water Protection DistrictTest Material: Salt ControlTest Species: *S. purpuratus*Test ID #: 76374Project #: 27911Test Start Date: 1/10/18Test End Date: 1/10/18Enumeration Date: 1/12/18Investigator: COSample Salinity adjusted with : Tropic Marin

Concentration		Number of Fertilized Eggs	Number of Unfertilized Eggs	Total Number of Eggs	Percent Fertilization
Replicate					
Control	A	100	0	100	100
	B	98	2	100	98
	C	100	0	100	100
	D	98	2	100	98
Salt Control	A	31	69	100	31
	B	15	85	100	15
	C	61	39	100	61
	D	19	81	100	19

Echinoderm Fertilization Toxicity Test Water Chemistry Data

Client: Ventura County Water Protection District
 Test Material: Salt Control
 Test Species: *S. purpuratus*
 Test ID#: 76374 Project #: 27911
 Sample Salinity adjusted with : Tropic Marin

Organism Log#: 10721 Age: N/A
 Organism Supplier: Alexi
 Control/Diluent: FSW
 Test Date: 1/10/18 Randomization: -

Treatment	Temperature (°C)	pH	D.O. (mg/L)	Salinity (ppt)	Signoff
Lab Control	11.9	7.77	9.4	33.8	Date: 1/10/18
Salt Control	11.9	8.37	8.6	33.4	Sample ID: -
					Test Solution Prep: <i>Le</i>
					New WQ: <i>TA</i>
					Innoculation Time: 1107
					Innoculation Signoff: <i>CD</i>
Meter ID	35A	PH19	RD09	EC08	

CETIS Analytical Report

Report Date: 23 Jan-18 10:53 (p 1 of 2)
Test Code: VCWPD_0110_SP | 12-2854-8445

Echinoid Fertilization Test				Pacific EcoRisk	
Analysis ID: 18-5155-7018	Endpoint: Fertilization Rate	CETIS Version: CETISv1.9.2			
Analyzed: 23 Jan-18 10:53	Analysis: Parametric-Two Sample	Official Results: Yes			
Data Transform	Alt Hyp	Comparison Result		PMSD	
Angular (Corrected)	C > T	ME-SCR passed fertilization rate		61.19%	

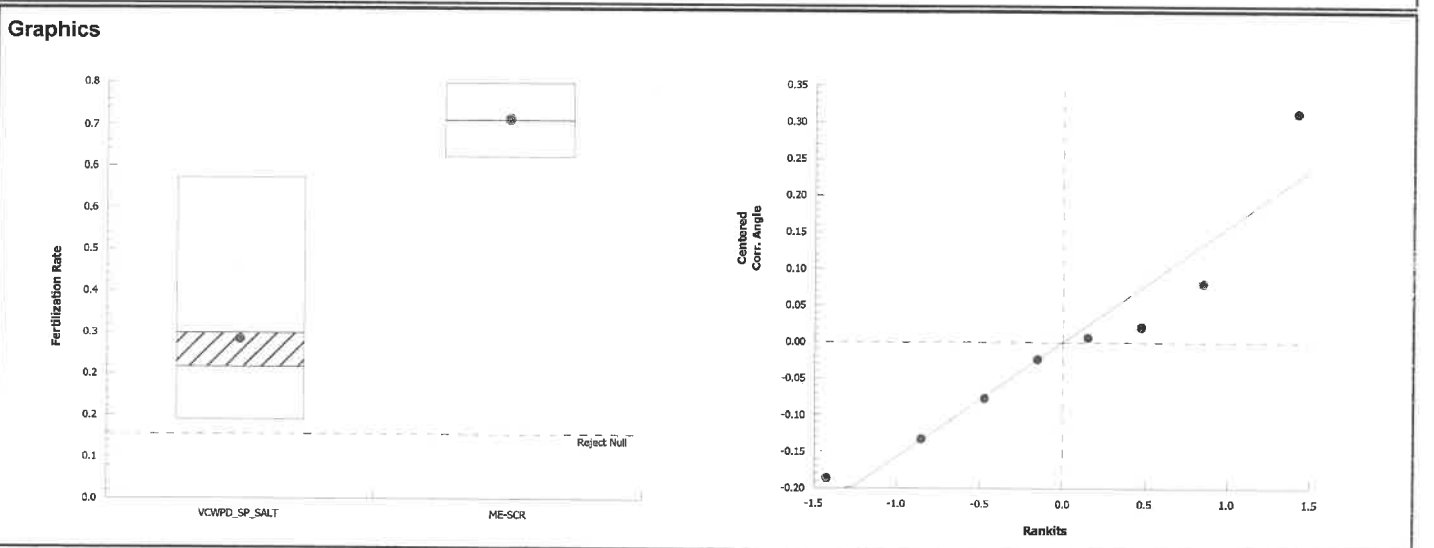
Equal Variance t Two-Sample Test									
Sample I	vs	Sample II	Test Stat	Critical	MSD	DF	P-Type	P-Value	Decision(α:5%)
Salt Control		ME-SCR	-3.69	1.94	0.227	6	CDF	0.9949	Non-Significant Effect

ANOVA Table						
Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.371461	0.371461	1	13.6	0.0102	Significant Effect
Error	0.163295	0.0272158	6			
Total	0.534756		7			

Distributional Tests						
Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)	
Variances	Variance Ratio F Test	11.3	47.5	0.0772	Equal Variances	
Distribution	Shapiro-Wilk W Normality Test	0.921	0.645	0.4399	Normal Distribution	

Fertilization Rate Summary											
Sample	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
VCWPD_SP_SALT	SA	4	0.315	0.000	0.646	0.250	0.150	0.610	0.104	66.06%	0.00%
ME-SCR		4	0.720	0.625	0.815	0.720	0.650	0.790	0.030	8.26%	-128.57%

Angular (Corrected) Transformed Summary											
Sample	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
VCWPD_SP_SALT	SA	4	0.584	0.228	0.94	0.521	0.398	0.896	0.112	38.29%	0.00%
ME-SCR		4	1.01	0.909	1.12	1.01	0.938	1.09	0.0333	6.57%	-73.81%



Echinoderm Fertilization Toxicity Test Data Sheet

Client: **Ventura County Water Protection District**
 Test Material: ME-SCR
 Test Species: *S. purpuratus*
 Test ID #: 76374
 Project #: 27911
 Sample Salinity adjusted with : Tropic Marin

Test Start Date: 1/10/18
 Test End Date: 1/10/18
 Enumeration Date: 1/12/18
 Investigator: CO

Concentration		Number of Fertilized Eggs	Number of Unfertilized Eggs	Total Number of Eggs	Percent Fertilization
Replicate					
Lab Water Control	A	100	0	100	100
	B	98	2	100	98
	C	100	0	100	100
	D	98	2	100	98
100%	A	74	26	100	74
	B	70	30	100	70
	C	65	35	100	65
	D	79	21	100	79

Echinoderm Fertilization Toxicity Test Water Chemistry Data

Client: Ventura County Water Protection District
 Test Material: ME-SCR
 Test Species: *S. purpuratus*
 Test ID#: 76374 Project #: 27911
 Sample Salinity adjusted with : Tropic Marin

Organism Log#: 10721 Age: N/A
 Organism Supplier: Alexi
 Control/Diluent: FSW
 Test Date: 1/10/18 Randomization: -

Treatment	Temperature (°C)	pH	D.O. (mg/L)	Salinity (ppt)	Signoff
Lab Water Control	11.9	7.77	9.4	33.8	Date: 1/10/18
100%	11.9	7.98	8.5	33.8	Sample ID: 48473
Meter ID	35A	PH19	RD09	EC08	Test Solution Prep: Re
					New WQ: TA
					Innoculation Time: 1107
					Innoculation Signoff: CI

Appendix C

Test Data and Summary of Statistics for the Evaluation of the Chronic Toxicity of the VCWPD Stormwater to *Atherinops affinis*

CETIS Summary Report

Report Date: 23 Jan-18 13:26 (p 1 of 1)
 Test Code: VCWPD_0110_AA | 18-4812-9300

Chronic Larval Fish Survival and Growth Test							Pacific EcoRisk				
Batch ID:	21-3784-5775	Test Type:	Growth-Survival (7d)			Analyst:	Stevi Vasquez				
Start Date:	10 Jan-18 17:10	Protocol:	EPA/600/R-95/136 (1995)			Diluent:	Not Applicable				
Ending Date:	17 Jan-18 08:19	Species:	Atherinops affinis			Brine:	Crystal Sea				
Duration:	6d 15h	Source:	Aquatic Biosystems, CO			Age:	15				
Sample Code	Sample ID	Sample Date	Receipt Date	Sample Age	Client Name	Project					
VCWPD_0110_AA	13-7829-4867	10 Jan-18 17:10	10 Jan-18 17:10	n/a (19.4 °C)	Ventura County Watersh	27911					
ME-CC	16-7887-2972	09 Jan-18 09:40	10 Jan-18 07:45	32h (0 °C)							
ME-VR2	15-2479-1239	09 Jan-18 11:10	10 Jan-18 07:45	30h (0 °C)							
Sample Code	Material Type	Sample Source		Station Location		Lat/Long					
VCWPD_0110_AA	Lab Water	Ventura County Watershed Prote		LABQA							
ME-CC	Ambient Water	Ventura County Watershed Prote		ME-CC							
ME-VR2	Ambient Water	Ventura County Watershed Prote		ME-VR2							
Single Comparison Summary											
Analysis ID	Endpoint	Comparison Method			P-Value	Comparison Result					
06-5541-8475	7d Survival Rate	Wilcoxon Rank Sum Two-Sample Test			1.0000	ME-CC passed 7d survival rate					
20-2662-0289	7d Survival Rate	Wilcoxon Rank Sum Two-Sample Test			0.0040	ME-VR2 failed 7d survival rate					
18-3002-9316	Mean Dry Biomass-mg	Equal Variance t Two-Sample Test			0.9740	ME-CC passed mean dry biomass-mg					
15-0896-2589	Mean Dry Biomass-mg	Equal Variance t Two-Sample Test			1.4E-05	ME-VR2 failed mean dry biomass-mg					
7d Survival Rate Summary											
Sample	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
VCWPD_0110_AA	LW	5	0.920	0.698	1.000	0.600	1.000	0.080	0.179	19.44%	0.00%
ME-CC		5	1.000	1.000	1.000	1.000	1.000	0.000	0.000	0.00%	-8.70%
ME-VR2		5	0.160	0.049	0.271	0.000	0.200	0.040	0.089	55.90%	82.61%
Mean Dry Biomass-mg Summary											
Sample	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
VCWPD_0110_AA	LW	5	1.54	1.18	1.9	1.11	1.93	0.131	0.292	19.01%	0.00%
ME-CC		5	1.88	1.67	2.09	1.73	2.17	0.0752	0.168	8.94%	-22.36%
ME-VR2		5	0.268	0.0639	0.472	0	0.42	0.0735	0.164	61.33%	82.58%
7d Survival Rate Detail											
Sample	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5					
VCWPD_0110_AA	LW	1.000	0.600	1.000	1.000	1.000					
ME-CC		1.000	1.000	1.000	1.000	1.000					
ME-VR2		0.200	0.200	0.200	0.200	0.000					
Mean Dry Biomass-mg Detail											
Sample	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5					
VCWPD_0110_AA	LW	1.62	1.11	1.49	1.93	1.54					
ME-CC		1.81	1.86	2.17	1.85	1.73					
ME-VR2		0.42	0.362	0.324	0.234	0					
7d Survival Rate Binomials											
Sample	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5					
VCWPD_0110_AA	LW	5/5	3/5	5/5	5/5	5/5					
ME-CC		5/5	5/5	5/5	5/5	5/5					
ME-VR2		1/5	1/5	1/5	1/5	0/5					

CETIS Analytical Report

Report Date: 23 Jan-18 13:26 (p 1 of 4)
Test Code: VCWPD_0110_AA | 18-4812-9300

Chronic Larval Fish Survival and Growth Test						Pacific EcoRisk
Analysis ID: 06-5541-8475	Endpoint: 7d Survival Rate	CETIS Version: CETISv1.9.2				
Analyzed: 23 Jan-18 13:25	Analysis: Nonparametric-Two Sample	Official Results: Yes				
Data Transform	Alt Hyp	Comparison Result				PMSD
Angular (Corrected)	C > T	ME-CC passed 7d survival rate				15.21%

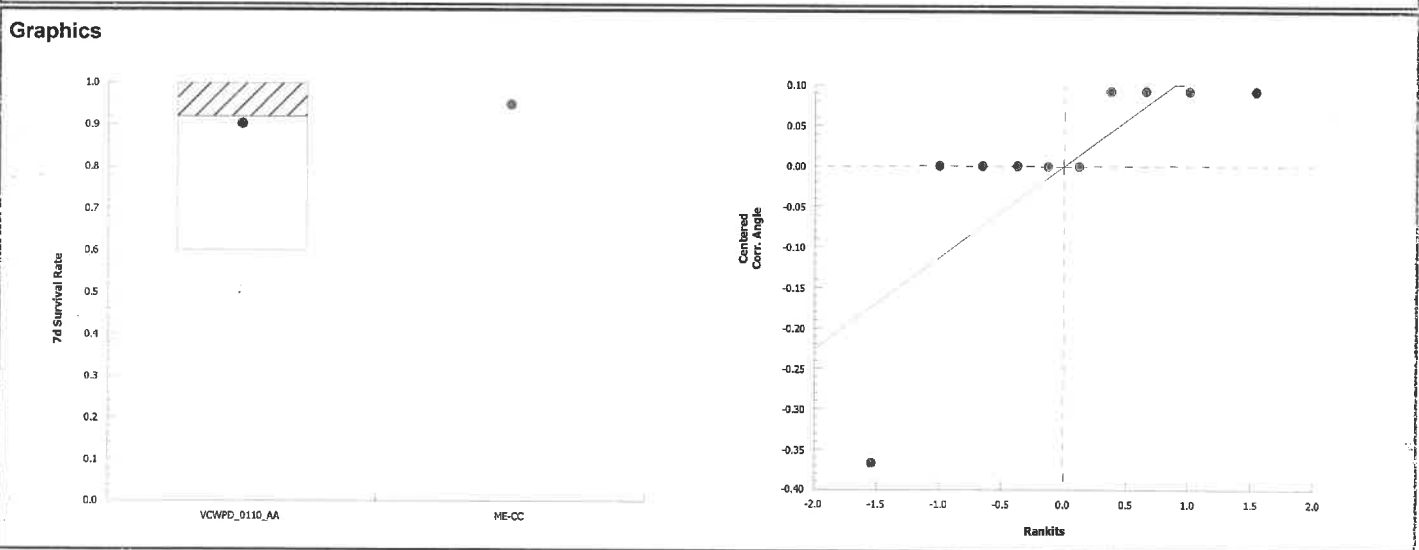
Wilcoxon Rank Sum Two-Sample Test									
Sample I	vs	Sample II	Test Stat	Critical	Ties	DF	P-Type	P-Value	Decision(α:5%)
Lab Water Control		ME-CC	30	n/a	1	8	Exact	1.0000	Non-Significant Effect

ANOVA Table						
Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.021087	0.021087	1	1	0.3466	Non-Significant Effect
Error	0.168696	0.021087	8			
Total	0.189783		9			

Distributional Tests						
Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)	
Variances	Levene Equality of Variance Test	7.11	11.3	0.0285	Equal Variances	
Variances	Mod Levene Equality of Variance Test	1	13.7	0.3559	Equal Variances	
Distribution	Shapiro-Wilk W Normality Test	0.625	0.741	1.1E-04	Non-Normal Distribution	

7d Survival Rate Summary											
Sample	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
VCWPD_0110_AA	LW	5	0.920	0.698	1.000	1.000	0.600	1.000	0.080	19.44%	0.00%
ME-CC		5	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.00%	-8.70%

Angular (Corrected) Transformed Summary											
Sample	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
VCWPD_0110_AA	LW	5	1.25	0.998	1.51	1.35	0.886	1.35	0.0918	16.38%	0.00%
ME-CC		5	1.35	1.35	1.35	1.35	1.35	1.35	0	0.00%	-7.33%



CETIS Analytical Report

Report Date: 23 Jan-18 13:26 (p 3 of 4)
Test Code: VCWPD_0110_AA | 18-4812-9300

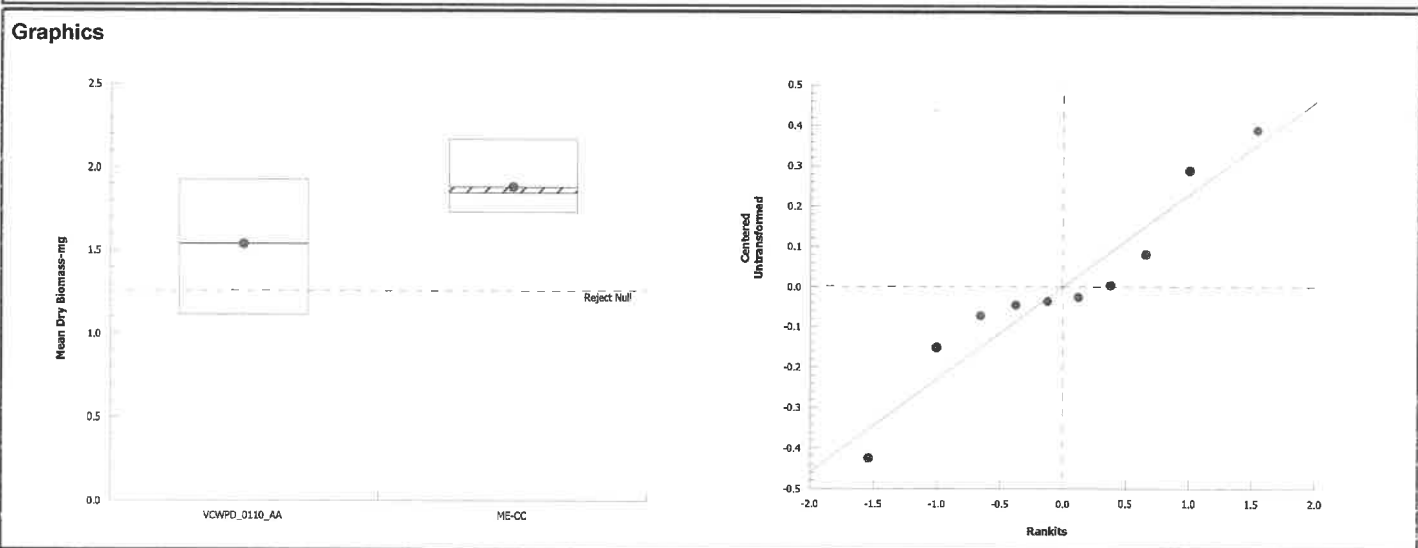
Chronic Larval Fish Survival and Growth Test				Pacific EcoRisk
Analysis ID: 18-3002-9316	Endpoint: Mean Dry Biomass-mg	CETIS Version: CETISv1.9.2		
Analyzed: 23 Jan-18 13:25	Analysis: Parametric-Two Sample	Official Results: Yes		
Data Transform	Alt Hyp	Comparison Result	PMSD	
Untransformed	C > T	ME-CC passed mean dry biomass-mg	18.24%	

Equal Variance t Two-Sample Test									
Sample I	vs	Sample II	Test Stat	Critical	MSD	DF	P-Type	P-Value	Decision(α:5%)
Lab Water Control		ME-CC	-2.28	1.86	0.281	8	CDF	0.9740	Non-Significant Effect

ANOVA Table						
Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.295838	0.295838	1	5.2	0.0521	Non-Significant Effect
Error	0.455313	0.0569142	8			
Total	0.751152		9			

Distributional Tests						
Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)	
Variances	Variance Ratio F Test	3.02	23.2	0.3094	Equal Variances	
Distribution	Shapiro-Wilk W Normality Test	0.934	0.741	0.4854	Normal Distribution	

Mean Dry Biomass-mg Summary											
Sample	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
VCWPD_0110_AA	LW	5	1.54	1.18	1.9	1.54	1.11	1.93	0.131	19.01%	0.00%
ME-CC		5	1.88	1.67	2.09	1.85	1.73	2.17	0.0752	8.94%	-22.36%



7 Day Chronic Topsmelt (*A. affinis*) Toxicity Test Data

Client: Ventura County Water Protection District
 Test Material: ~~Salix~~ ME-CC
 Test ID#: 76371 Project #: 27911
 Test Date: 1/10/18 Randomization: 5.3.4

Organism Log#: 10725 Age: 15 days
 Organism Supplier: ABS
 Control Water: FSW
 Control Water Batch: -

Test Treatment	Temp (°C)	pH		D.O. (mg/L)		Salinity (ppt)	# Live Organisms					SIGN-OFF
		new	old	new	old		A	B	C	D	E	
Lab Water Control	19.4	7.56		7.4		34.1	5	5	5	5	5	Date: 1/10/18 Test Solution Prep: SF
100%	20.0	7.88		8.8		33.7	5	5	5	5	5	Initiation Time: 12:17:10 Initiation Signoff: RB
Meter ID	58A	PH11		RD2		EC11	New WQ: TA					Sample ID: 48472
Lab Water Control	20.1	7.13	7.55	5.4	7.2	34.2	5	5	5	5	5	Date: 1/11/18 Test Solution Prep: MS
100%	20.1	7.78	7.79	8.3	5.3	33.3	5	5	5	5	5	Renewal Time: 16:40 Renewal Signoff: EP
Meter ID	81A	PH19	PH21	RD10	RD11	EC11	New WQ: TF		Old WQ: LZ			Sample ID: 48472
Lab Water Control	20.2	7.88	7.83	8.6	7.4	34.2	5	5	5	5	5	Date: 1/12/18 Test Solution Prep: SD
100%	20.1	7.90	8.08	6.9	6.5	34.3	5	5	5	5	5	Renewal Time: 14:40 Renewal Signoff: CD
Meter ID	40A	PH15	PH23	RD11	RD09	EC11	New WQ: TA		Old WQ: TA			Sample ID: 48472
Lab Water Control	20.0	7.70	7.55	9.1	7.3	34.3	5	5	5	5	5	Date: 1/13/18 Test Solution Prep: EP
100%	20.0	7.67	7.85	7.4	6.5	33.7	5	5	5	5	5	Renewal Time: 13:35 Renewal Signoff: SMC
Meter ID	40A	PH19	PH19	RD10	RD10	EC12	New WQ: LZ		Old WQ: TA			Sample ID: 48472
Lab Water Control	20.1	7.79	7.54	10.1	8.4	33.8	5	5	5	5	5	Date: 1/14/18 Test Solution Prep: SD
100%	20.5	7.71	7.84	7.6	7.5	33.6	5	5	5	5	5	Renewal Time: 16:25 Renewal Signoff: CD
Meter ID	58A	PH19	PH19	RD10	RD10	EC108	New WQ: LZ		Old WQ: LZ			Sample ID: 48472
Lab Water Control	20.1	7.69	7.65	8.6	7.2	34.1	5	4	5	5	5	Date: 1/15/18 Test Solution Prep: TR
100%	20.2	7.74	7.85	8.0	6.3	33.5	5	5	5	5	5	Renewal Time: 14:40 Renewal Signoff: MY
Meter ID	92A	PH21	PH23	RD12	RD12	EC10	New WQ: TA		Old WQ: ZAP			Sample ID: 48472
Lab Water Control	20.0	7.75	7.57	9.2	6.9	34.2	5	4	5	5	5	Date: 1/16/18 Test Solution Prep: ZV
100%	20.6	7.72	7.90	8.2	6.8	33.6	5	5	5	5	5	Renewal Time: 14:53 Renewal Signoff: RB
Meter ID	101A	PH23	PH23	RD12	RD12	EC11	New WQ: TA		Old WQ: TA			Sample ID: 48472
Lab Water Control	19.6		7.58		6.8	35.7	5	3	5	5	5	Date: 1/17/18 Termination Time: 08:19
100%	20.4		7.88		6.6	34.0	5	5	5	5	5	Termination Signoff: RB
Meter ID	99A		PH19		RD10	EC12			Old WQ: TA			

Chronic Topsmelt Dry Weight and Biomass Data

Client: Ventura County Water Protection District Test ID #: 76371 Project #: 27911
 Sample: ME-CCC Tare Weight Date: 1/13/18 Sign-off: RAP
 Test Date: 1/10/18 Final Weight Date: 1/19/18 Sign-off: RAP

Pan ID	Concentration	Replicate	Initial Pan Weight (mg)	Final Pan Weight (mg)	Initial # of Organisms	Biomass Value (mg)
1	Lab Water	A	412.06	420.15	5	1.62
2	Control	B	407.22	412.78	5	1.11
3		C	411.80	419.26	5	1.49
4		D	414.56	424.20	5	1.93
5		E	412.03	419.74	5	1.54
6	100%	A	410.12	419.17	5	1.810 ^{hrs} 1/21/18
7		B	398.90	405.18	5	1.86
8		C	411.44	422.29	5	2.17
9		D	400.73	409.96	5	1.85
10		E	413.19	421.54	5	1.73
QA 1			402.34	402.36		

CETIS Analytical Report

Report Date: 23 Jan-18 13:26 (p 2 of 4)
Test Code: VCWPD_0110_AA | 18-4812-9300

Chronic Larval Fish Survival and Growth Test Pacific EcoRisk

Analysis ID: 20-2662-0289	Endpoint: 7d Survival Rate	CETIS Version: CETISv1.9.2
Analyzed: 23 Jan-18 13:25	Analysis: Nonparametric-Two Sample	Official Results: Yes

Data Transform	Alt Hyp	Comparison Result	PMSD
Angular (Corrected)	C > T	ME-VR2 failed 7d survival rate	17.18%

Wilcoxon Rank Sum Two-Sample Test

Sample I	vs	Sample II	Test Stat	Critical	Ties	DF	P-Type	P-Value	Decision(α:5%)
Lab Water Control	vs	ME-VR2*	15	n/a	0	8	Exact	0.0040	Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	1.75318	1.75318	1	65.5	4.0E-05	Significant Effect
Error	0.214062	0.0267578	8			
Total	1.96725		9			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Variance Ratio F Test	3.72	23.2	0.2314	Equal Variances
Distribution	Shapiro-Wilk W Normality Test	0.644	0.741	1.9E-04	Non-Normal Distribution

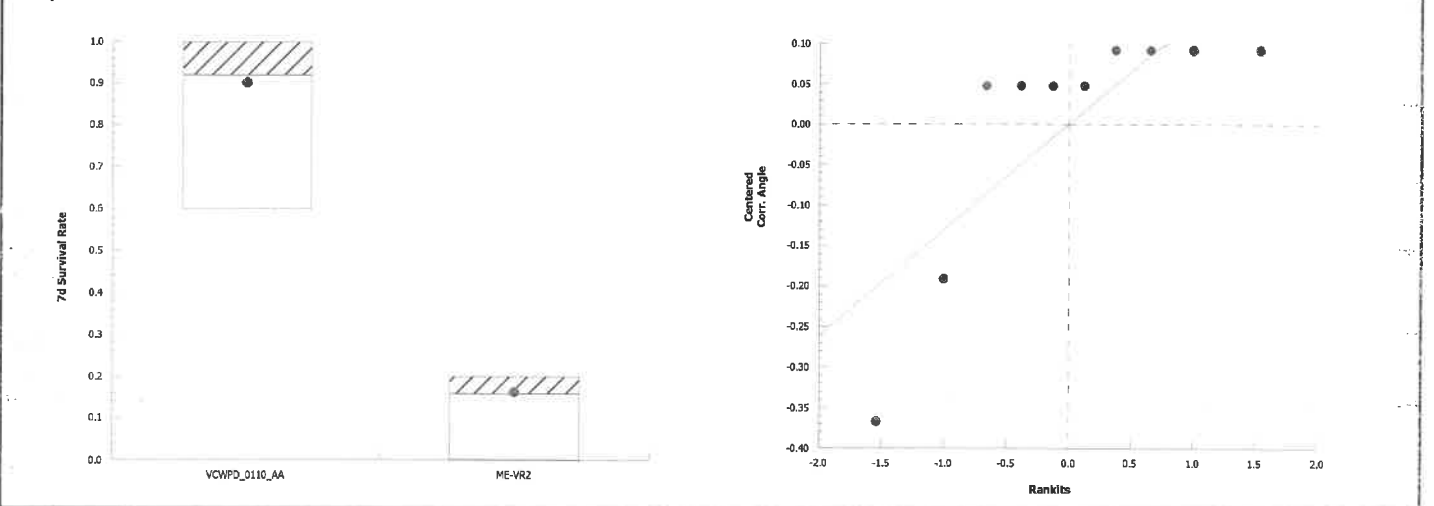
7d Survival Rate Summary

Sample	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
VCWPD_0110_AA	LW	5	0.920	0.698	1.000	1.000	0.600	1.000	0.080	19.44%	0.00%
ME-VR2		5	0.160	0.049	0.271	0.200	0.000	0.200	0.040	55.90%	82.61%

Angular (Corrected) Transformed Summary

Sample	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
VCWPD_0110_AA	LW	5	1.25	0.998	1.51	1.35	0.886	1.35	0.0918	16.38%	0.00%
ME-VR2		5	0.416	0.284	0.548	0.464	0.226	0.464	0.0476	25.60%	66.81%

Graphics



CETIS Analytical Report

Report Date: 23 Jan-18 13:26 (p 4 of 4)

Test Code: VCWPD_0110_AA | 18-4812-9300

Chronic Larval Fish Survival and Growth Test Pacific EcoRisk

Analysis ID: 15-0896-2589	Endpoint: Mean Dry Biomass-mg	CETIS Version: CETISv1.9.2
Analyzed: 23 Jan-18 13:25	Analysis: Parametric-Two Sample	Official Results: Yes

Data Transform	Alt Hyp	Comparison Result	PMSD
Untransformed	C > T	ME-VR2 failed mean dry biomass-mg	18.13%

Equal Variance t Two-Sample Test

Sample I	vs	Sample II	Test Stat	Critical	MSD	DF	P-Type	P-Value	Decision(α:5%)
Lab Water Control		ME-VR2*	8.47	1.86	0.279	8	CDF	1.4E-05	Significant Effect

ANOVA Table

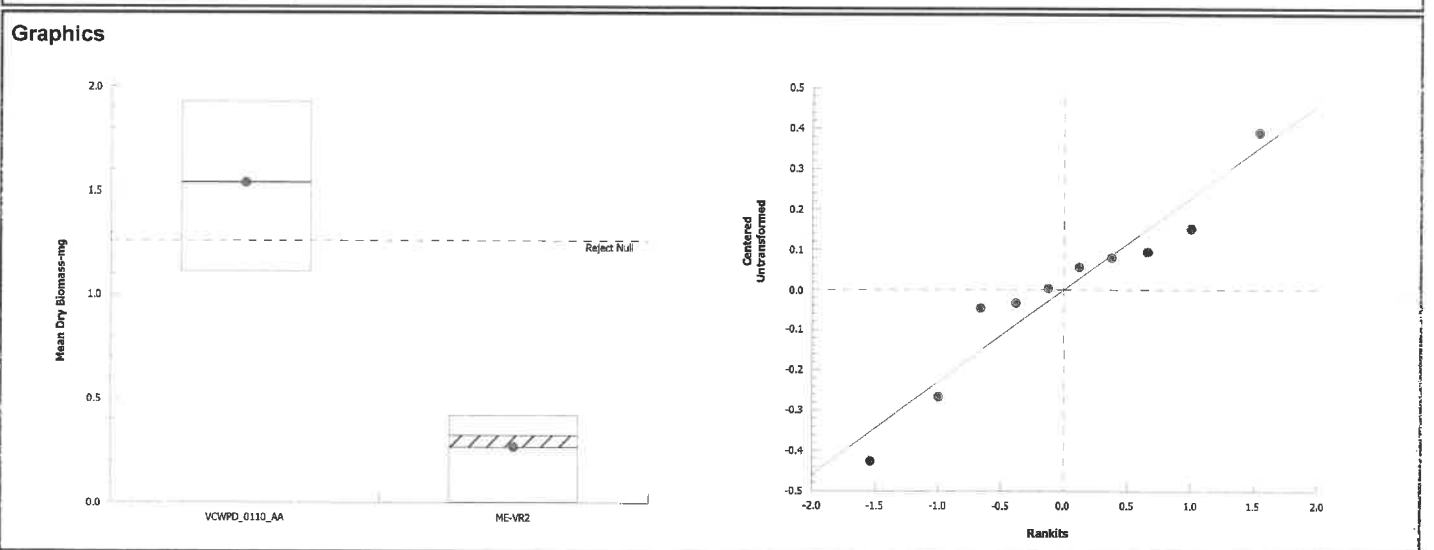
Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	4.0348	4.0348	1	71.7	2.9E-05	Significant Effect
Error	0.450166	0.0562707	8			
Total	4.48497		9			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Variance Ratio F Test	3.17	23.2	0.2904	Equal Variances
Distribution	Shapiro-Wilk W Normality Test	0.946	0.741	0.6177	Normal Distribution

Mean Dry Biomass-mg Summary

Sample	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
VCWPD_0110_AA	LW	5	1.54	1.18	1.9	1.54	1.11	1.93	0.131	19.01%	0.00%
ME-VR2		5	0.268	0.0639	0.472	0.324	0	0.42	0.0735	61.33%	82.58%



7 Day Chronic Topsmelt (*A. affinis*) Toxicity Test Data

Client: Ventura County Water Protection District
 Test Material: 50 (1/1/18) MO-VR2 ME-VR2
 Test ID#: 76372 Project #: 27911
 Test Date: 1/10/18 Randomization: 5.3.4

Organism Log#: 10725 Age: 15 days
 Organism Supplier: ABS
 Control Water: FSW
 Control Water Batch: —

Test Treatment	Temp (°C)	pH		D.O. (mg/L)		Salinity (ppt)	# Live Organisms					SIGN OFF
		new	old	new	old		A	B	C	D	E	
Lab Water Control	19.4	7.56		7.4		34.1	5	5	5	5	5	Date: 1/10/18 Test Solution Prep: SF
100%	20.8	7.35		7.3		33.7	5	5	5	5	5	Initiation Time: 1710 Initiation Signoff: RB
Meter ID	58A	PH21		RD12		EC11	New WQ: 1A					Sample ID: 48474
Lab Water Control	20.1	7.13	7.55	5.4	7.2	34.2	5	5	5	5	5	Date: 1/11/18 Test Solution Prep: MS
100%	20.2	7.14	7.47	5.7	4.9	33.5	5	5	5	5	5	Renewal Time: 1640 Renewal Signoff: EP
Meter ID	81A	PH19	PH21	RD10	RD11	EC11	New WQ: TF	Old WQ: 1B				Sample ID: 48474
Lab Water Control	20.2	7.88	7.83	8.6	7.4	34.2	5	5	5	5	5	Date: 1/12/18 Test Solution Prep: SD
100%	20.2	7.55	7.97	4.0	6.7	33.5	5	5	5	5	5	Renewal Time: 1440 Renewal Signoff: CD
Meter ID	40A	PH15	PH23	RD11	RD09	EC11	New WQ: TA	Old WQ: TA				Sample ID: 48474
Lab Water Control	20.0	7.70	7.55	9.1	7.3	34.3	5	5	5	5	5	Date: 1/13/18 Test Solution Prep: EP
100%	20.0	6.95	7.69	4.4	6.5	32.9	5	5	5	5	4	Renewal Time: 1335 Renewal Signoff: SMC
Meter ID	40A	PH19	PH19	RD10	RD10	EC12	New WQ: 1B	Old WQ: TA				Sample ID: 48474
Lab Water Control	20.1	7.79	7.54	10.1	8.4	33.8	5	5	5	5	5	Date: 1/14/18 Test Solution Prep: SD
100%	20.0	7.08	7.83	5.7	6.5	33.7	5	5	4	4	4	Renewal Time: 1625 Renewal Signoff: CD
Meter ID	58A	PH19	PH19	RD10	RD10	EC18	New WQ: 1B	Old WQ: 1B				Sample ID: 48474
Lab Water Control	20.1	7.69	7.65	8.6	7.2	34.1	5	4	5	5	5	Date: 1/15/18 Test Solution Prep: TK
100%	20.1	7.09	7.41	6.1	1.8	33.7	5	4	4	4	2	Renewal Time: 1440 Renewal Signoff: m
Meter ID	92A	PH21	PH23	RD12	RD12	EC10	New WQ: TA	Old WQ: RAP				Sample ID: 48474
Lab Water Control	20.0	7.75	7.57	9.2	6.9	34.2	5	4	5	5	5	Date: 1/16/18 Test Solution Prep: 2
100%	20.1	7.04	7.87	6.2	5.0	32.4	1	1	1	2	0	Renewal Time: 1453 Renewal Signoff: RB
Meter ID	101A	PH23	PH23	RD12	RD12	EC11	New WQ: 1A	Old WQ: 1A				Sample ID: 48474
Lab Water Control	19.6		7.58		6.8	35.7	5	4 ³	5	5	5	Date: 1/17/18 Termination Time: 0819
100%	19.9		7.68		1.8	39.8	1	1	1	1	—	Termination Signoff: RB
Meter ID	99A		PH19		RD10	EC12						

Chronic Topsmelt Dry Weight and Biomass Data

Client: Ventura County Water Protection District Test ID #: 76372 Project #: 27911
 Sample: ME-VR2 Tare Weight Date: 1/13/18 Sign-off: RAP
 Test Date: 1/10/18 Final Weight Date: 1/18/18 Sign-off: RAP

Pan ID	Concentration	Replicate	Initial Pan Weight (mg)	Final Pan Weight (mg)	Initial # of Organisms	Biomass Value (mg)
1	Lab Water	A	412.06	420.15	5	1.62
2	Control	B	407.22	412.78	5	1.11
3		C	411.80	419.26	5	1.49
4		D	414.56	424.20	5	1.93
5		E	412.03	419.74	5	1.54
11	100%	A	403.31	405.41	5	0.420
12		B	408.43	410.24	5	0.362
13		C	419.03	420.65	5	0.324
14		D	410.13	411.30	5	0.234
15		E	412.913	—	5	—
QA 1			402.34	411.31 402.36 SW 1/23/18		

Appendix D

Test Data and Summary of Statistics for the Evaluation of the Chronic Toxicity of the VCWPD Stormwater to *Selenastrum capricornutum*

CETIS Summary Report

Report Date: 23 Jan-18 10:10 (p 1 of 1)

Test Code: VCWPD_0110_SC | 08-8674-4232

Algal Growth Test						Pacific EcoRisk					
Batch ID:	13-9292-7768		Test Type: Cell Growth			Analyst:	Stevi Vasquez				
Start Date:	10 Jan-18 17:09		Protocol: EPA-821-R-02-013 (2002)			Diluent:	Not Applicable				
Ending Date:	14 Jan-18 15:42		Species: Selenastrum capricornutum			Brine:	Not Applicable				
Duration:	95h		Source: In-House Culture			Age:	7				
Sample Code	Sample ID	Sample Date	Receipt Date	Sample Age	Client Name	Project					
VCWPD_0110_SC	17-0818-5856	10 Jan-18 17:09	10 Jan-18 17:09	n/a (24.7 °C)	Ventura County Watersh	27911					
MO-MPK	16-7264-4240	08 Jan-18 17:40	10 Jan-18 07:45	47h (0 °C)							
Sample Code	Material Type		Sample Source		Station Location		Lat/Long				
VCWPD_0110_SC	Lab Water		Ventura County Watershed Prote		LABQA						
MO-MPK	Ambient Water		Ventura County Watershed Prote		MO-MPK						
Single Comparison Summary											
Analysis ID	Endpoint		Comparison Method			P-Value	Comparison Result				
03-3077-5433	96h Cell Density-without ED		Equal Variance t Two-Sample Test			1.0000	MO-MPK passed 96h cell density-without ed				
96h Cell Density-without EDTA Summary											
Sample	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
VCWPD_0110_SC	LW	4	2.58E+6	2.28E+6	2.88E+6	2.38E+6	2.83E+6	9.42E+4	1.88E+5	7.29%	0.00%
MO-MPK		4	4.44E+6	3.97E+6	4.91E+6	4.15E+6	4.72E+6	1.47E+5	2.94E+5	6.62%	-71.83%
96h Cell Density-without EDTA Detail											
Sample	Code	Rep 1	Rep 2	Rep 3	Rep 4						
VCWPD_0110_SC	LW	2.60E+6	2.52E+6	2.83E+6	2.38E+6						
MO-MPK		4.22E+6	4.15E+6	4.72E+6	4.66E+6						

CETIS Analytical Report

Report Date: 23 Jan-18 10:10 (p 1 of 1)

Test Code: VCWPD_0110_SC | 08-8674-4232

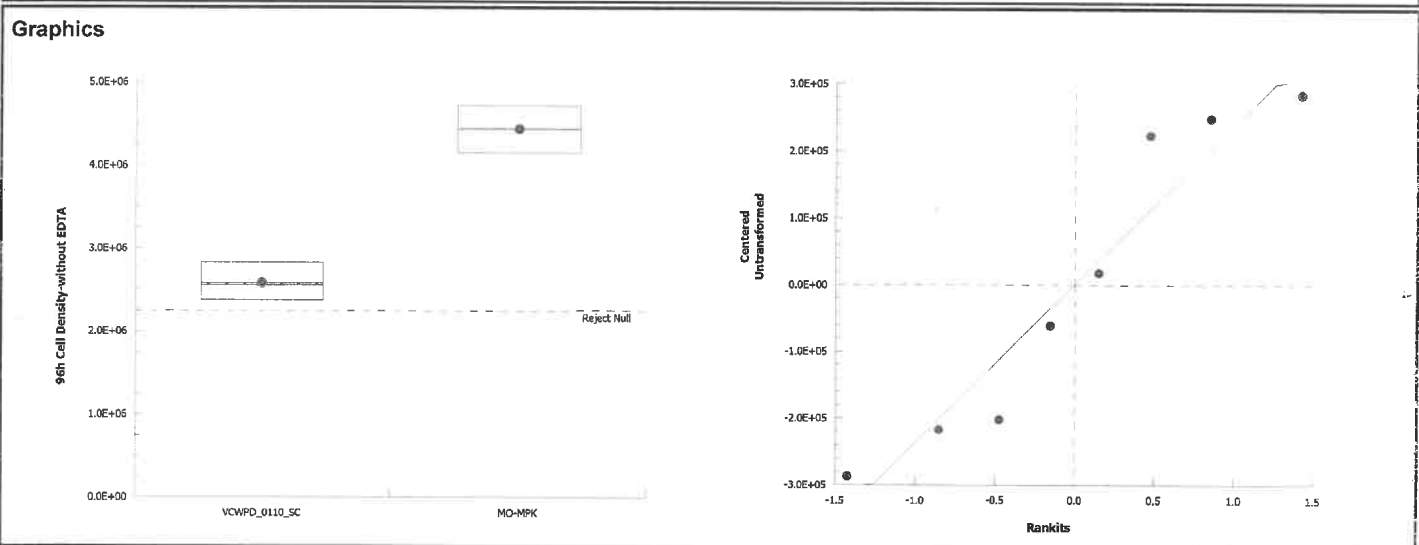
Algal Growth Test			Pacific EcoRisk		
Analysis ID:	03-3077-5433	Endpoint:	96h Cell Density-without EDTA	CETIS Version:	CETISv1.9.2
Analyzed:	23 Jan-18 10:10	Analysis:	Parametric-Two Sample	Official Results:	Yes
Data Transform	Alt Hyp	Comparison Result			PMSD
Untransformed	C > T	MO-MPK passed 96h cell density-without edta			13.14%

Equal Variance t Two-Sample Test									
Sample I	vs	Sample II	Test Stat	Critical	MSD	DF	P-Type	P-Value	Decision(α:5%)
Lab Water Control		MO-MPK	-10.6	1.94	3E+05	6	CDF	1.0000	Non-Significant Effect

ANOVA Table						
Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	6.882E+12	6.882E+12	1	113	4.1E-05	Significant Effect
Error	3.658E+11	6.096E+10	6			
Total	7.248E+12		7			

Distributional Tests						
Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)	
Variances	Variance Ratio F Test	2.44	47.5	0.4840	Equal Variances	
Distribution	Shapiro-Wilk W Normality Test	0.891	0.645	0.2398	Normal Distribution	

96h Cell Density-without EDTA Summary											
Sample	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
VCWPD_0110_SC	LW	4	2.58E+6	2.28E+6	2.88E+6	2.56E+6	2.38E+6	2.83E+6	9.42E+4	7.29%	0.00%
MO-MPK		4	4.44E+6	3.97E+6	4.91E+6	4.44E+6	4.15E+6	4.72E+6	1.47E+5	6.62%	-71.83%



***Selenastrum capricornutum* Algal Toxicity Test Data Sheet**

Client: Ventura County Water Protection District Test Material: MO-MPK
 Test Start Date: 11/10/18 Test ID #: 76385 Project #: 27911
 Test End Date: 11/14/18 Control/Diluent: Type I NO EDTA Shelf #: TCR6/126/51

Treatment	Cell Density (cells/mL x 10 ⁶)				Mean Cell Density (cells/mL x 10 ⁶)
	Rep A	Rep B	Rep C	Rep D	
Lab Water Control	2.60	2.52	2.83	2.38	2.58
100%	4.22	4.15	4.72	4.66	4.44
This datasheet has been reviewed for completeness and consistency with Test Acceptability Criteria and/or other issues of concern.					
		Control Mean Density (cells/mL x 10 ⁶)	% CV	Date:	Time:
		2.58	7.29	11/14/18	1750
		Signoff: <u>ARF</u>			

Initial Count: 10,000 cells/mLTermination Time: 1542Enumerating
Scientist: ARF

Test Treatment	Temp (°C)	pH	D.O. (mg/L)	Conductivity (µS/cm)	Sign-Off
Lab Water Control	24.7	7.50	9.2	88	Date: <u>11/10/18</u>
100%	24.7	7.69	9.6	488	Sample ID: <u>48482</u>
					Test Solution Prep: <u>NL</u>
					New WQ: <u>STB</u>
					Innoculation Time: <u>1709</u>
					Innoculation Signoff: <u>NL</u>
Meter ID	<u>86A</u>	<u>PH19</u>	<u>RD09</u>	<u>EC08</u>	
Lab Water Control	24.5	7.59			Date: <u>11/11/18</u>
100%	24.5	7.66			WQ Time: <u>0800</u>
Meter ID	<u>86A</u>	<u>PH23</u>			WQ Signoff: <u>KL</u>
Lab Water Control	24.5	8.58			Date: <u>1-12-18</u>
100%	24.5	8.09			WQ Time: <u>0745</u>
Meter ID	<u>86A</u>	<u>PH19</u>			WQ Signoff: <u>KL</u>
Lab Water Control	24.5	9.72			Date: <u>1-13-18</u>
100%	24.5	9.02			WQ Time: <u>0800</u>
Meter ID	<u>86A</u>	<u>PH19</u>			WQ Signoff: <u>KL</u>
Lab Water Control	24.1	10.14	15.3	112	Date: <u>1-14-18</u>
100%	24.1	10.10	17.8	484	WQ Time: <u>0730</u>
Meter ID	<u>86A</u>	<u>PH19</u>	<u>RD10</u>	<u>EC08</u>	WQ Signoff: <u>KL</u>

Initial Test Conditions	Alkalinity	Hardness	Light Intensity (ftc)
	<u>✓ 58</u>	<u>✓ 128</u>	<u>385</u>

Appendix E

Test Data and Summary of Statistics for the Evaluation of the Chronic Toxicity of the VCWPD Stormwater to *Ceriodaphnia dubia*: Analysis Excluding Statistical Outliers

CETIS Summary Report

Report Date: 23 Jan-18 10:40 (p 1 of 2)

Test Code: VCWPD_0110_CD | 07-4553-5197

Ceriodaphnia Survival and Reproduction Test						Pacific EcoRisk					
Batch ID:	10-5499-9558	Test Type:	Reproduction-Survival (7d)			Analyst:	Stevi Vasquez				
Start Date:	10 Jan-18 19:00	Protocol:	EPA-821-R-02-013 (2002)			Diluent:	Not Applicable				
Ending Date:	16 Jan-18 15:57	Species:	Ceriodaphnia dubia			Brine:	Not Applicable				
Duration:	5d 21h	Source:	In-House Culture			Age:	1				
Comments:											
Statistics excluding outliers Ctl rep F, MO-SIM rep J, MO-FIL rep J											
Sample Code	Sample ID	Sample Date	Receipt Date	Sample Age	Client Name	Project					
VCWPD_0110_CD	00-9939-2463	10 Jan-18 19:00	10 Jan-18 19:00	n/a (24.8 °C)	Ventura County Watersh	27911					
MO-SIM	04-5362-3980	08 Jan-18 19:10	10 Jan-18 07:45	48h (0 °C)							
MO-THO	13-4720-4584	08 Jan-18 20:10	10 Jan-18 07:45	47h (0 °C)							
MO-HUE	06-2500-0619	08 Jan-18 19:55	10 Jan-18 07:45	47h (0 °C)							
MO-VEN	20-7418-3199	08 Jan-18 17:07	10 Jan-18 07:45	50h (0 °C)							
MO-FIL	16-0520-2198	08 Jan-18 16:45	10 Jan-18 07:45	50h (0 °C)							
Sample Code	Material Type	Sample Source		Station Location		Lat/Long					
VCWPD_0110_CD	Lab Water	Ventura County Watershed Prote		LABQA							
MO-SIM	Ambient Water	Ventura County Watershed Prote		MO-SIM							
MO-THO	Ambient Water	Ventura County Watershed Prote		MO-THO							
MO-HUE	Ambient Water	Ventura County Watershed Prote		MO-HUE							
MO-VEN	Ambient Water	Ventura County Watershed Prote		MO-VEN							
MO-FIL	Ambient Water	Ventura County Watershed Prote		MO-FIL							
Single Comparison Summary											
Analysis ID	Endpoint	Comparison Method			P-Value	Comparison Result					
01-3332-1705	Reproduction	Equal Variance t Two-Sample Test			0.9858	MO-SIM passed reproduction					
05-0177-0688	Reproduction	Unequal Variance t Two-Sample Test			0.0813	MO-THO passed reproduction					
08-8099-4214	Reproduction	Equal Variance t Two-Sample Test			<1.0E-37	MO-HUE failed reproduction					
07-1555-1656	Reproduction	Equal Variance t Two-Sample Test			6.1E-05	MO-VEN failed reproduction					
03-6879-7596	Reproduction	Equal Variance t Two-Sample Test			0.2397	MO-FIL passed reproduction					
20-4436-3365	Survival	Fisher Exact Test			1.0000	MO-SIM passed survival					
19-1279-2050	Survival	Fisher Exact Test			1.0000	MO-THO passed survival					
13-0342-1024	Survival	Fisher Exact Test			0.1053	MO-HUE passed survival					
14-1753-0262	Survival	Fisher Exact Test			0.5000	MO-VEN passed survival					
10-3675-5835	Survival	Fisher Exact Test			1.0000	MO-FIL passed survival					
Reproduction Summary											
Sample	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
VCWPD_0110_CD	LW	9	34.3	31.5	37.2	28	38	1.24	3.71	10.80%	0.00%
MO-SIM		9	38.1	35.9	40.3	34	42	0.964	2.89	7.59%	-11.00%
MO-THO		10	29.2	22	36.4	10	41	3.2	10.1	34.66%	14.95%
MO-HUE		10	9.3	3.41	15.2	0	23	2.6	8.23	88.53%	72.91%
MO-VEN		10	17	9.93	24.1	0	32	3.12	9.88	58.10%	50.49%
MO-FIL		9	33.2	31.1	35.3	27	37	0.909	2.73	8.21%	3.24%
Survival Summary											
Sample	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
VCWPD_0110_CD	LW	10	1.000	1.000	1.000	1.000	1.000	0.000	0.000	0.00%	0.00%
MO-SIM		10	1.000	1.000	1.000	1.000	1.000	0.000	0.000	0.00%	0.00%
MO-THO		10	1.000	1.000	1.000	1.000	1.000	0.000	0.000	0.00%	0.00%
MO-HUE		10	0.700	0.354	1.000	0.000	1.000	0.153	0.483	69.01%	30.00%
MO-VEN		10	0.900	0.674	1.000	0.000	1.000	0.100	0.316	35.14%	10.00%
MO-FIL		10	1.000	1.000	1.000	1.000	1.000	0.000	0.000	0.00%	0.00%

CETIS Summary Report

Report Date: 23 Jan-18 10:40 (p 2 of 2)
 Test Code: VCWPD_0110_CD | 07-4553-5197

Ceriodaphnia Survival and Reproduction Test											Pacific EcoRisk
Reproduction Detail											
Sample	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
VCWPD_0110_CD	LW	28	38	33	38	37		34	38	30	33
MO-SIM		36	39	42	38	40	34	41	39	34	
MO-THO		36	19	32	10	36	34	39	23	22	41
MO-HUE		7	23	11	12	20	0	14	0	6	0
MO-VEN		32	24	8	29	23	0	13	12	14	15
MO-FIL		33	37	35	33	35	27	33	33	33	
Survival Detail											
Sample	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
VCWPD_0110_CD	LW	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
MO-SIM		1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
MO-THO		1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
MO-HUE		1.000	1.000	1.000	1.000	1.000	0.000	1.000	0.000	1.000	0.000
MO-VEN		1.000	1.000	1.000	1.000	1.000	0.000	1.000	1.000	1.000	1.000
MO-FIL		1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Survival Binomials											
Sample	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
VCWPD_0110_CD	LW	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
MO-SIM		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
MO-THO		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
MO-HUE		1/1	1/1	1/1	1/1	1/1	0/1	1/1	0/1	1/1	0/1
MO-VEN		1/1	1/1	1/1	1/1	1/1	0/1	1/1	1/1	1/1	1/1
MO-FIL		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1

CETIS Analytical Report

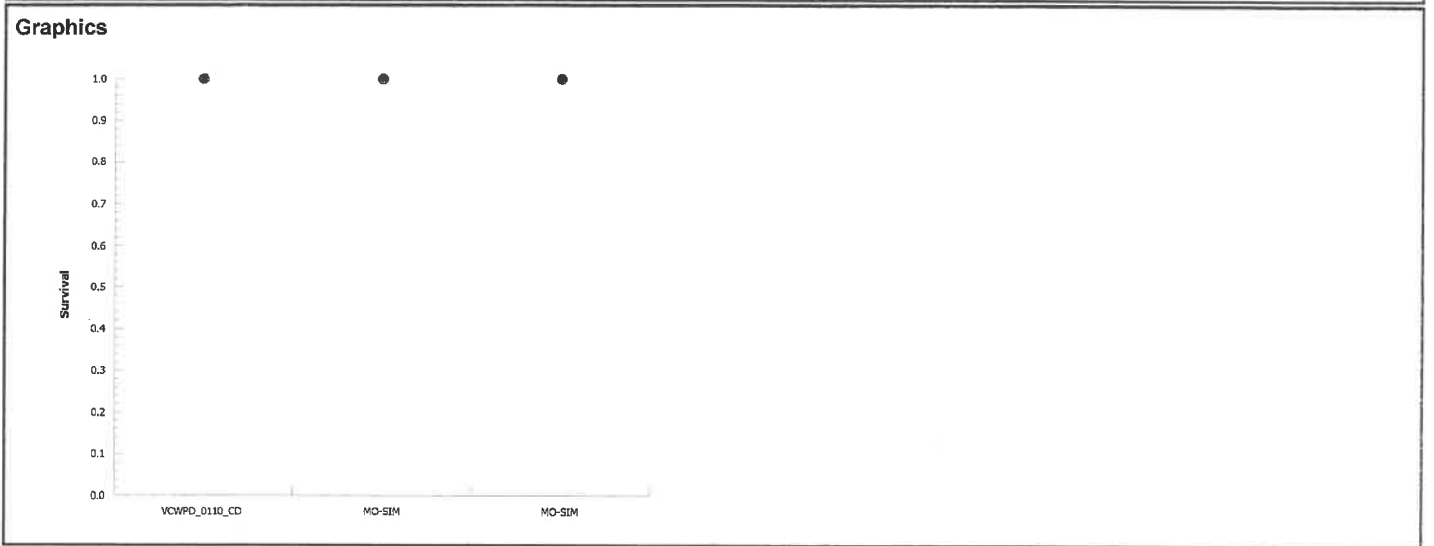
Report Date: 23 Jan-18 10:40 (p 1 of 5)
 Test Code: VCWPD_0110_CD | 07-4553-5197

Ceriodaphnia Survival and Reproduction Test Pacific EcoRisk

Analysis ID: 20-4436-3365	Endpoint: Survival	CETIS Version: CETISv1.9.2
Analyzed: 23 Jan-18 10:32	Analysis: Single 2x2 Contingency Table	Official Results: Yes

Fisher Exact Test					
Sample I	vs	Sample II	Test Stat	P-Type	P-Value
Lab Water Control		MO-SIM	1.000	Exact	1.0000
			Decision(α :5%)		
			Non-Significant Effect		

Data Summary							
Sample	Code	NR	R	NR + R	Prop NR	Prop R	%Effect
VCWPD_0110_CD	LW	10	0	10	1	0	0.0%
MO-SIM		10	0	10	1	0	0.0%



CETIS Analytical Report

Report Date: 23 Jan-18 10:40 (p 1 of 5)

Test Code: VCWPD_0110_CD | 07-4553-5197

Ceriodaphnia Survival and Reproduction Test Pacific EcoRisk

Analysis ID: 01-3332-1705	Endpoint: Reproduction	CETIS Version: CETISv1.9.2
Analyzed: 23 Jan-18 10:39	Analysis: Parametric-Two Sample	Official Results: Yes

Data Transform	Alt Hyp	Comparison Result	PMSD
Untransformed	C > T	MO-SIM passed reproduction	7.97%

Equal Variance t Two-Sample Test

Sample I	vs	Sample II	Test Stat	Critical	MSD	DF	P-Type	P-Value	Decision(α:5%)
Lab Water Control		MO-SIM	-2.41	1.75	2.74	16	CDF	0.9858	Non-Significant Effect

ANOVA Table

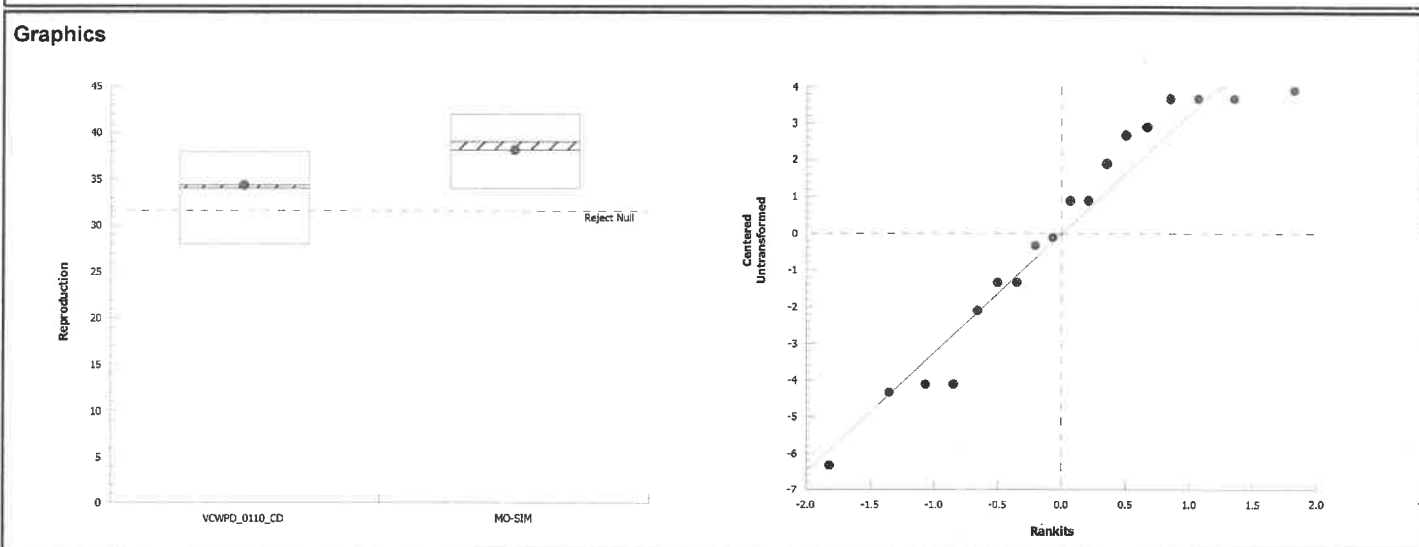
Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	64.2222	64.2222	1	5.81	0.0283	Significant Effect
Error	176.889	11.0556	16			
Total	241.111		17			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Variance Ratio F Test	1.64	7.5	0.4974	Equal Variances
Distribution	Shapiro-Wilk W Normality Test	0.923	0.855	0.1452	Normal Distribution

Reproduction Summary

Sample	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
VCWPD_0110_CD	LW	9	34.3	31.5	37.2	34	28	38	1.24	10.80%	0.00%
MO-SIM		9	38.1	35.9	40.3	39	34	42	0.964	7.59%	-11.00%



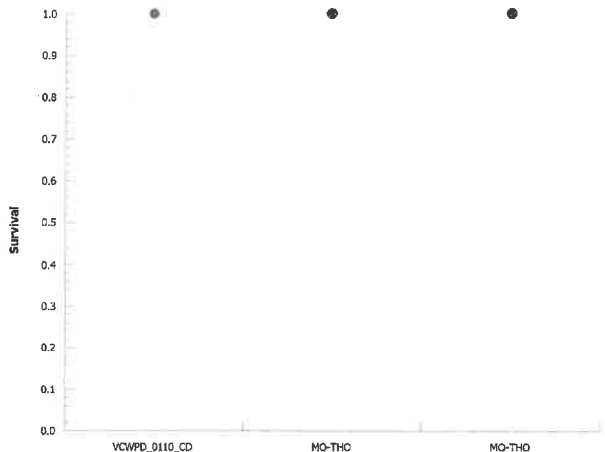
Short-Term Chronic 3-Brood *Ceriodaphnia dubia* Survival & Reproduction Test Data

Client: **Ventura County Water Protection District** Material: **MO-SIM** Test Date: **1/10/18**
 Project #: **27911** Test ID: **76383** Randomization: **10.7.3** Control Water: **Modified EPAMH**

	Day	pH		D.O.		Cond. (µS/cm)	Temp (°C)	Survival / Reproduction										SIGN-OFF		
		New	Old	New	Old			A	B	C	D	E	F	G	H	I	J	Date:	New WQ:	Test Init:
Lab Water Control	0	7.60		7.7		334	24.8	0	0	0	0	0	0	0	0	0	0	Date: 1/10/18	New WQ: <i>SD</i>	Test Init: <i>TK</i>
	1	7.93	7.72	9.2	8.3	337	25.6	0	0	0	0	0	0	0	0	0	0	Date: 1/11/18	New WQ: <i>TF</i>	Counts: <i>PMC</i>
	2	7.77	8.14	8.5	7.3	325	25.3	0	0	0	0	0	0	0	0	0	0	Date: 1/12/18	New WQ: <i>CA</i>	Counts: <i>JAC</i>
	3	7.72	7.73	10.0	8.7	329	25.4	0	0	0	0	6	0	0	0	0	0	Date: 1/13/18	New WQ: <i>LE</i>	Counts: <i>CD</i>
	4	7.64	7.68	9.6	7.8	330	25.4	6	7	6	7	0	12	6	7	6	7	Date: 1/14/18	New WQ: <i>FT</i>	Counts: <i>LE</i>
	5	7.79	7.78	8.3	7.4	332	25.0	10	13	11	12	12	19	11	14	9	10	Date: 1/15/18	New WQ: <i>TD</i>	Counts: <i>MS</i>
	6	7.78	7.83	8.4	7.6	343	25.1	12	18	16	19	19	20	17	17	15	16	Date: 1/16/18	New WQ: <i>ST</i>	Counts: <i>CD</i>
	7																	Date:	New WQ:	Counts:
	8																	Date:	Old WQ:	Time:
Total=								28	38	33	38	37	51	34	38	30	33	Mean Neonates/Female = 36.0		
	Day	pH		D.O.		Cond. (µS/cm)		Survival / Reproduction										SAMPLE ID		
		New	Old	New	Old			A	B	C	D	E	F	G	H	I	J			
100%	0	7.55		9.9		739		0	0	0	0	0	0	0	0	0	0	48483		
	1	7.50	7.71	9.7	8.2	744		0	0	0	0	0	0	0	0	0	0	48483		
	2	7.39	8.04	8.1	8.2	704		0	0	0	0	0	0	0	0	0	0	48483		
	3	7.10	7.70	7.2	8.6	715		0	0	0	0	0	0	0	0	0	0	48483		
	4	7.10	7.62	7.5	7.5	703		6	6	7	5	7	5	7	7	5	6	48483		
	5	7.96	7.83	6.2	7.9	715		10	12	14	12	14	12	12	12	10	12	48483		
	6	6.89	7.80	6.2	7.9	708		20	21	21	21	19	17	22	20	19	0	48483		
	7																			
	8																			
Total=								36	39	42	38	40	34	41	39	34	18	Mean Neonates/Female = 36.1		

CETIS Analytical Report

Report Date: 23 Jan-18 10:40 (p 2 of 5)
 Test Code: VCWPD_0110_CD | 07-4553-5197

Ceriodaphnia Survival and Reproduction Test						Pacific EcoRisk	
Analysis ID: 19-1279-2050		Endpoint: Survival		CETIS Version: CETISv1.9.2			
Analyzed: 23 Jan-18 10:32		Analysis: Single 2x2 Contingency Table		Official Results: Yes			
Fisher Exact Test							
Sample I	vs	Sample II	Test Stat	P-Type	P-Value	Decision(α:5%)	
Lab Water Control		MO-THO	1.000	Exact	1.0000	Non-Significant Effect	
Data Summary							
Sample	Code	NR	R	NR + R	Prop NR	Prop R	%Effect
VCWPD_0110_CD	LW	10	0	10	1	0	0.0%
MO-THO		10	0	10	1	0	0.0%
Graphics							
							

CETIS Analytical Report

Report Date: 23 Jan-18 10:40 (p 2 of 5)
 Test Code: VCWPD_0110_CD | 07-4553-5197

Ceriodaphnia Survival and Reproduction Test Pacific EcoRisk

Analysis ID: 05-0177-0688	Endpoint: Reproduction	CETIS Version: CETISv1.9.2
Analyzed: 23 Jan-18 10:39	Analysis: Parametric-Two Sample	Official Results: Yes

Data Transform	Alt Hyp	Comparison Result	PMSD
Untransformed	C > T	MO-THO passed reproduction	17.94%

Unequal Variance t Two-Sample Test

Sample I	vs	Sample II	Test Stat	Critical	MSD	DF	P-Type	P-Value	Decision(α:5%)
Lab Water Control		MO-THO	1.5	1.8	6.16	11	CDF	0.0813	Non-Significant Effect

ANOVA Table

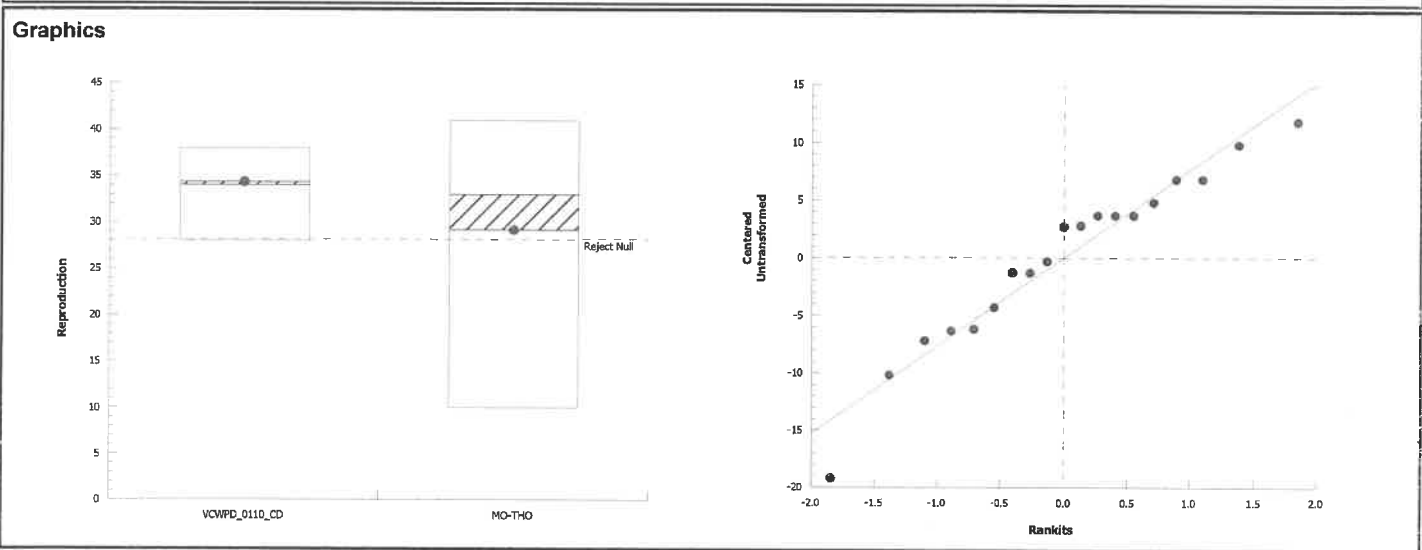
Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	124.821	124.821	1	2.06	0.1697	Non-Significant Effect
Error	1031.6	60.6824	17			
Total	1156.42		18			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Variance Ratio F Test	7.45	7.34	0.0095	Unequal Variances
Distribution	Shapiro-Wilk W Normality Test	0.953	0.861	0.4365	Normal Distribution

Reproduction Summary

Sample	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
VCWPD_0110_CD	LW	9	34.3	31.5	37.2	34	28	38	1.24	10.80%	0.00%
MO-THO		10	29.2	22	36.4	33	10	41	3.2	34.66%	14.95%



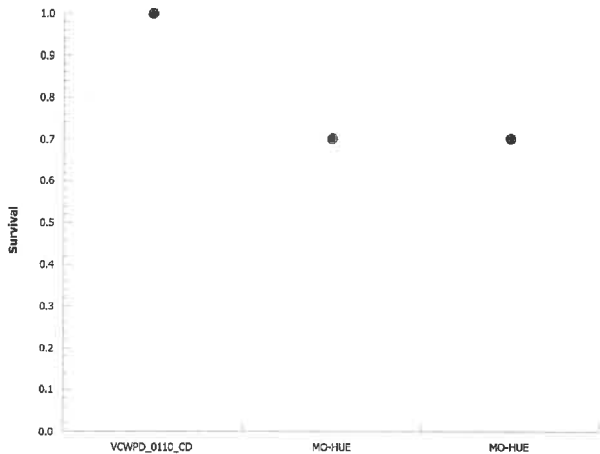
Short-Term Chronic 3-Brood *Ceriodaphnia dubia* Survival & Reproduction Test Data

Client: **Ventura County Water Protection District** Material: **MO-THO** Test Date: **1/10/18**
 Project #: **27911** Test ID: **76382** Randomization: **10.7.3** Control Water: **Modified EPAMH**

	Day	pH		D.O.		Cond. (µS/cm)	Temp (°C)	Survival / Reproduction										SIGN-OFF		
		New	Old	New	Old			A	B	C	D	E	F	G	H	I	J	Date:	New WQ:	Test Init.:
Lab Water Control	0	7.60		7.7		334	24.8	0	0	0	0	0	0	0	0	0	0	Date: 1/10/18	New WQ:	Test Init.: TK
	1	7.93	7.72	9.2	8.3	337	25.6	0	0	0	0	0	0	0	0	0	0	Date: 1/11/18	New WQ: TF	Counts: SMC
	2	7.77	8.10	8.5	7.3	325	25.3	0	0	0	0	0	0	0	0	0	0	Date: 1/12/18	New WQ: UA	Counts: FPL
	3	7.72	7.73	10.0	8.7	329	25.4	0	0	0	0	6	0	0	0	0	0	Date: 1/13/18	New WQ: EP	Counts: UD
	4	7.64	7.68	9.6	7.8	330	25.4	6	7	6	7	0	12	6	7	6	7	Date: 1/14/18	New WQ: FT	Counts: R
	5	7.79	7.78	8.3	7.4	332	25.0	10	13	11	12	12	19	11	14	9	10	Date: 1/15/18	New WQ: TD	Counts: MS
	6	7.78	7.85	8.4	7.6	343	25.1	12	18	16	19	19	20	17	17	15	16	Date: 1/16/18	New WQ: R	Counts: CD
	7																	Date:	New WQ:	Counts:
	8																	Date:	Old WQ:	Time:
Total=								28	38	33	38	37	51	34	38	30	33	Mean Neonates/Female = 36.0		
	Day	pH		D.O.		Cond. (µS/cm)		Survival / Reproduction										SAMPLE ID		
		New	Old	New	Old			A	B	C	D	E	F	G	H	I	J			
100%	0	7.59		9.6		658		0	0	0	0	0	0	0	0	0	0	48481		
	1	7.53	7.77	9.4	7.8	667		0	0	0	0	0	0	0	0	0	0	48481		
	2	7.38	8.12	8.0	7.9	650		0	0	0	0	0	0	0	0	0	0	48481		
	3	7.12	7.81	7.6	8.5	666		0	0	0	0	0	0	0	0	0	0	48481		
	4	7.10	7.71	6.9	7.3	660		6	7	6	4	6	7	7	8	6	7	48481		
	5	7.03	7.88	6.2	7.4	671		8	12	8	6	8	10	12	14	0	12	48481		
	6	7.02	7.76	7.1	6.9	664		22	0	18	0	22	17	20	1	16	22	48481		
	7																			
	8																			
Total=								36	19	32	10	36	34	39	23	22	41	Mean Neonates/Female = 29.2		

CETIS Analytical Report

Report Date: 23 Jan-18 10:40 (p 3 of 5)
 Test Code: VCWPD_0110_CD | 07-4553-5197

Ceriodaphnia Survival and Reproduction Test						Pacific EcoRisk	
Analysis ID: 13-0342-1024		Endpoint: Survival		CETIS Version: CETISv1.9.2			
Analyzed: 23 Jan-18 10:32		Analysis: Single 2x2 Contingency Table		Official Results: Yes			
Fisher Exact Test							
Sample I	vs	Sample II	Test Stat	P-Type	P-Value	Decision(α:5%)	
Lab Water Control		MO-HUE	0.105	Exact	0.1053	Non-Significant Effect	
Data Summary							
Sample	Code	NR	R	NR + R	Prop NR	Prop R	%Effect
VCWPD_0110_CD	LW	10	0	10	1	0	0.0%
MO-HUE		7	3	10	0.7	0.3	30.0%
Graphics							
							

CETIS Analytical Report

Report Date: 23 Jan-18 10:40 (p 3 of 5)

Test Code: VCWPD_0110_CD | 07-4553-5197

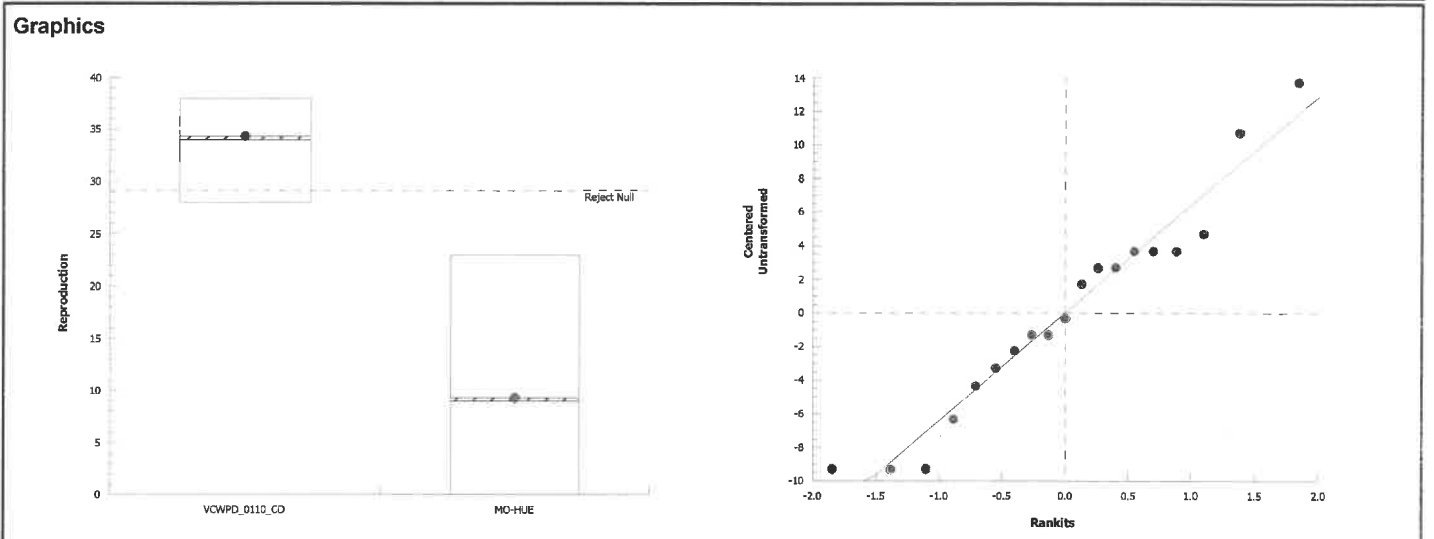
Ceriodaphnia Survival and Reproduction Test				Pacific EcoRisk
Analysis ID: 08-8099-4214	Endpoint: Reproduction	CETIS Version: CETISv1.9.2		
Analyzed: 23 Jan-18 10:39	Analysis: Parametric-Two Sample	Official Results: Yes		
Data Transform	Alt Hyp	Comparison Result	PMSD	
Untransformed	C > T	MO-HUE failed reproduction	15.15%	

Equal Variance t Two-Sample Test									
Sample I	vs	Sample II	Test Stat	Critical	MSD	DF	P-Type	P-Value	Decision(α:5%)
Lab Water Control		MO-HUE*	8.37	1.74	5.2	17	CDF	<1.0E-37	Significant Effect

ANOVA Table						
Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	2968.43	2968.43	1	70.1	2.0E-07	Significant Effect
Error	720.1	42.3588	17			
Total	3688.53		18			

Distributional Tests						
Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)	
Variances	Variance Ratio F Test	4.93	7.34	0.0348	Equal Variances	
Distribution	Shapiro-Wilk W Normality Test	0.951	0.861	0.4105	Normal Distribution	

Reproduction Summary											
Sample	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
VCWPD_0110_CD	LW	9	34.3	31.5	37.2	34	28	38	1.24	10.80%	0.00%
MO-HUE		10	9.3	3.41	15.2	9	0	23	2.6	88.53%	72.91%



Short-Term Chronic 3-Brood *Ceriodaphnia dubia* Survival & Reproduction Test Data

Client: **Ventura County Water Protection District**
 Project #: **27911** Test ID: **76381**

Material: **MO-HUE**
 Randomization: **10.7.3**

Test Date: **1/10/18**
 Control Water: **Modified EPAMH**

	Day	pH		D.O.		Cond. (µS/cm)	Temp (°C)	Survival / Reproduction										SIGN-OFF		
		New	Old	New	Old			A	B	C	D	E	F	G	H	I	J	Date:	New WQ:	Test Init.
Lab Water Control	0	7.60		7.7		334	24.8	0	0	0	0	0	0	0	0	0	0	Date: 1/10/18	New WQ: STB	Test Init. TK
	1	7.93	7.72	9.2	8.3	337	25.6	0	0	0	0	0	0	0	0	0	0	Date: 1/11/18	New WQ: TF	Counts: SMC
	2	7.77	8.10	8.5	7.3	325	25.3	0	0	0	0	0	0	0	0	0	0	Date: 1/12/18	New WQ: CT	Counts: JFC
	3	7.72	7.73	10.0	8.7	329	25.4	0	0	0	0	6	0	0	0	0	0	Date: 1/13/18	New WQ: LG	Counts: CD
	4	7.64	7.68	9.6	7.8	330	25.4	6	7	6	7	0	12	6	7	6	7	Date: 1/14/18	New WQ: FT	Counts: 2
	5	7.97	7.70	8.3	7.4	332	25.0	10	13	11	12	12	19	11	14	9	10	Date: 1/15/18	New WQ: TB	Counts: MB
	6	7.78	7.83	8.4	7.6	343	25.1	12	18	16	19	19	20	17	17	15	16	Date: 1/16/18	New WQ: JF	Counts: CD
	7																	Date:	New WQ:	Counts:
	8																	Date:	Old WQ:	Time:
Total=								28	32	33	38	37	51	34	32	30	33	Mean Neonates/Female = 36.0		
	Day	pH		D.O.		Cond. (µS/cm)		Survival / Reproduction										SAMPLE ID		
		New	Old	New	Old			A	B	C	D	E	F	G	H	I	J			
100%	0	7.37		8.5		2968		0	0	0	0	0	0	0	0	0	0	48480		
	1	7.42	7.92	8.6	8.1	2953		0	0	0	0	0	0	0	0	0	0	48480		
	2	7.35	8.18	7.5	8.0	2868		0	0	0	0	0	0	0	X/0	0	0	48480		
	3	7.20	7.91	7.4	8.3	2977		0	0	0	0	0	X/0	0	-	0	X/0	48480		
	4	7.20	7.85	7.0	7.4	2927		3	7	5	0	3	-	1	-	0	-	48480		
	5	7.12	7.99	7.4	7.5	2943		4	8	0	6	8	-	5	✓	6	-	48480		
	6	7.06	7.95	8.1	7.2	2928		0	8	0	6	9	-	8	-	0	-	48480		
	7												-		-		-			
	8														✓					
Total=								7	23	11	12	20	X/0	14	X/6	6	X/6	Mean Neonates/Female = 9.3		

CETIS Analytical Report

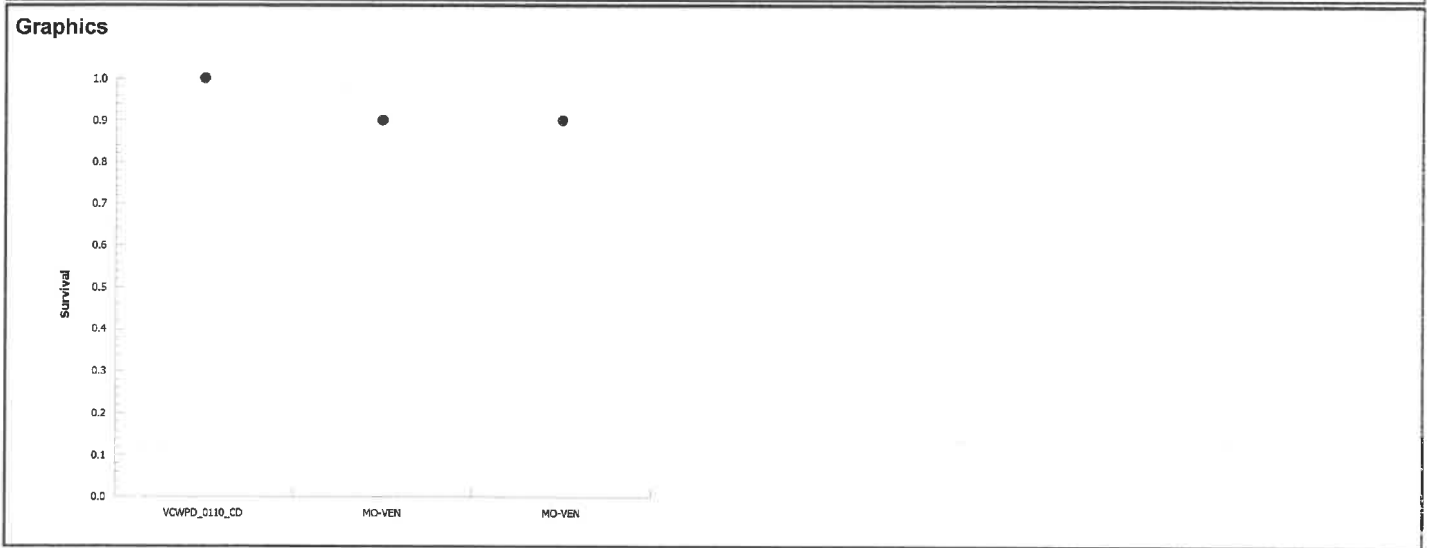
Report Date: 23 Jan-18 10:40 (p 4 of 5)
 Test Code: VCWPD_0110_CD | 07-4553-5197

Ceriodaphnia Survival and Reproduction Test Pacific EcoRisk

Analysis ID: 14-1753-0262	Endpoint: Survival	CETIS Version: CETISv1.9.2
Analyzed: 23 Jan-18 10:32	Analysis: Single 2x2 Contingency Table	Official Results: Yes

Fisher Exact Test					
Sample I	vs	Sample II	Test Stat	P-Type	P-Value
Lab Water Control		MO-VEN	0.500	Exact	0.5000
			Decision(α :5%)		
			Non-Significant Effect		

Data Summary							
Sample	Code	NR	R	NR + R	Prop NR	Prop R	%Effect
VCWPD_0110_CD	LW	10	0	10	1	0	0.0%
MO-VEN		9	1	10	0.9	0.1	10.0%



CETIS Analytical Report

Report Date: 23 Jan-18 10:40 (p 4 of 5)
 Test Code: VCWPD_0110_CD | 07-4553-5197

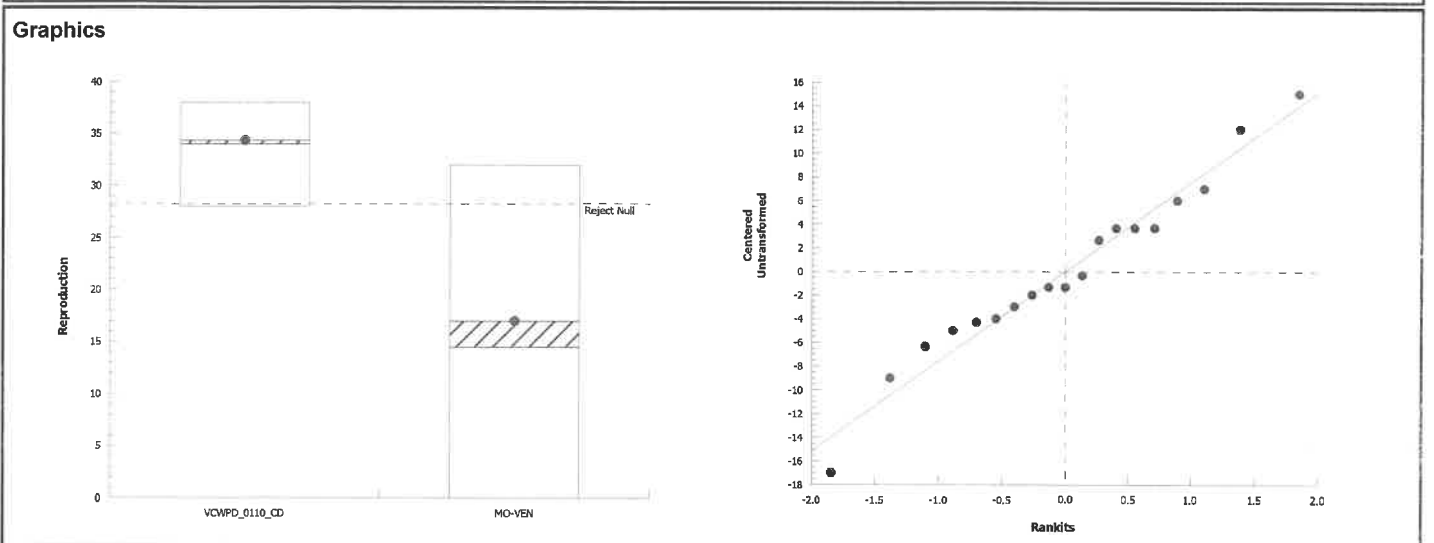
Ceriodaphnia Survival and Reproduction Test				Pacific EcoRisk
Analysis ID: 07-1555-1656	Endpoint: Reproduction	CETIS Version: CETISv1.9.2		
Analyzed: 23 Jan-18 10:39	Analysis: Parametric-Two Sample	Official Results: Yes		
Data Transform	Alt Hyp	Comparison Result	PMSD	
Untransformed	C > T	MO-VEN failed reproduction	17.75%	

Equal Variance t Two-Sample Test									
Sample I	vs	Sample II	Test Stat	Critical	MSD	DF	P-Type	P-Value	Decision(α:5%)
Lab Water Control		MO-VEN*	4.95	1.74	6.09	17	CDF	6.1E-05	Significant Effect

ANOVA Table						
Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	1423.16	1423.16	1	24.5	1.2E-04	Significant Effect
Error	988	58.1176	17			
Total	2411.16		18			

Distributional Tests						
Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)	
Variances	Variance Ratio F Test	7.09	7.34	0.0112	Equal Variances	
Distribution	Shapiro-Wilk W Normality Test	0.978	0.861	0.9110	Normal Distribution	

Reproduction Summary											
Sample	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
VCWPD_0110_CD	LW	9	34.3	31.5	37.2	34	28	38	1.24	10.80%	0.00%
MO-VEN		10	17	9.93	24.1	14.5	0	32	3.12	58.10%	50.49%



Short-Term Chronic 3-Brood *Ceriodaphnia dubia* Survival & Reproduction Test Data

Client: Ventura County Water Protection District Material: MO-VEN Test Date: 1/10/18
 Project #: 27911 Test ID: 76380 Randomization: 10.7.3 Control Water: Modified EPAMH

	Day	pH		D.O.		Cond. (µS/cm)	Temp (°C)	Survival / Reproduction										SIGN-OFF		
		New	Old	New	Old			A	B	C	D	E	F	G	H	I	J	Date:	New WQ:	Test Init:
Lab Water Control	0	7.60		7.7		334	24.8	0	0	0	0	0	0	0	0	0	0	Date: 1/10/18	New WQ: <u>SD</u>	Test Init: <u>TK</u>
	1	7.93	7.72	9.2	8.3	337	25.6	0	0	0	0	0	0	0	0	0	0	Date: 1/11/18	New WQ: <u>TF</u>	Counts: <u>SMO</u>
	2	7.77	8.16	8.5	7.3	325	25.3	0	0	0	0	0	0	0	0	0	0	Date: 1/12/18	New WQ: <u>TA</u>	Counts: <u>APR</u>
	3	7.72	7.73	10.0	8.7	329	25.4	0	0	0	0	6	0	0	0	0	0	Date: 1/13/18	New WQ: <u>IZ</u>	Counts: <u>TA</u>
	4	7.64	7.68	9.6	7.8	330	25.4	6	7	6	7	0	12	6	7	6	7	Date: 1/14/18	New WQ: <u>FL</u>	Counts: <u>2</u>
	5	7.97	7.78	8.3	7.4	332	25.0	10	13	11	12	12	19	11	14	9	10	Date: 1/15/18	New WQ: <u>TA</u>	Counts: <u>23</u>
	6	7.78	7.83	8.4	7.6	343	25.1	12	18	16	19	19	20	17	17	15	16	Date: 1/16/18	New WQ: <u>TA</u>	Counts: <u>60</u>
	7																	Date:	New WQ:	Counts:
	8																	Date:	Old WQ:	Time:
Total=								28	38	33	38	37	51	34	38	30	33	Mean Neonates/Female = <u>36.0</u>		
	Day	pH		D.O.		Cond. (µS/cm)		Survival / Reproduction										SAMPLE ID		
		New	Old	New	Old			A	B	C	D	E	F	G	H	I	J			
100%	0	7.29		9.5		251		0	0	0	0	0	0	0	0	0	0	48478		
	1	7.30	4.74	8.9	8.0	253		0	0	0	0	0	0	0	0	0	0	48478		
	2	7.07	7.79	6.8	7.4	240		0	0	0	0	0	10	0	0	0	0	48478		
	3	6.74	7.43	6.6	8.3	246		0	0	0	0	0	-	0	0	0	0	48478		
	4	6.71	7.39	6.8	7.3	251		5	6	4	4	6	-	5	4	4	4	48478		
	5	6.73	7.47	6.1	7.7	252		4	6	4	7	7	-	8	6	0	0	48478		
	6	6.59	7.37	6.9	4.6	247		19	12	0	18	10	-	0	2	10	11	48478		
	7												-							
	8												-							
Total=								32	24	8	29	23	16	13	12	14	15	Mean Neonates/Female = <u>17.0</u>		

CETIS Analytical Report

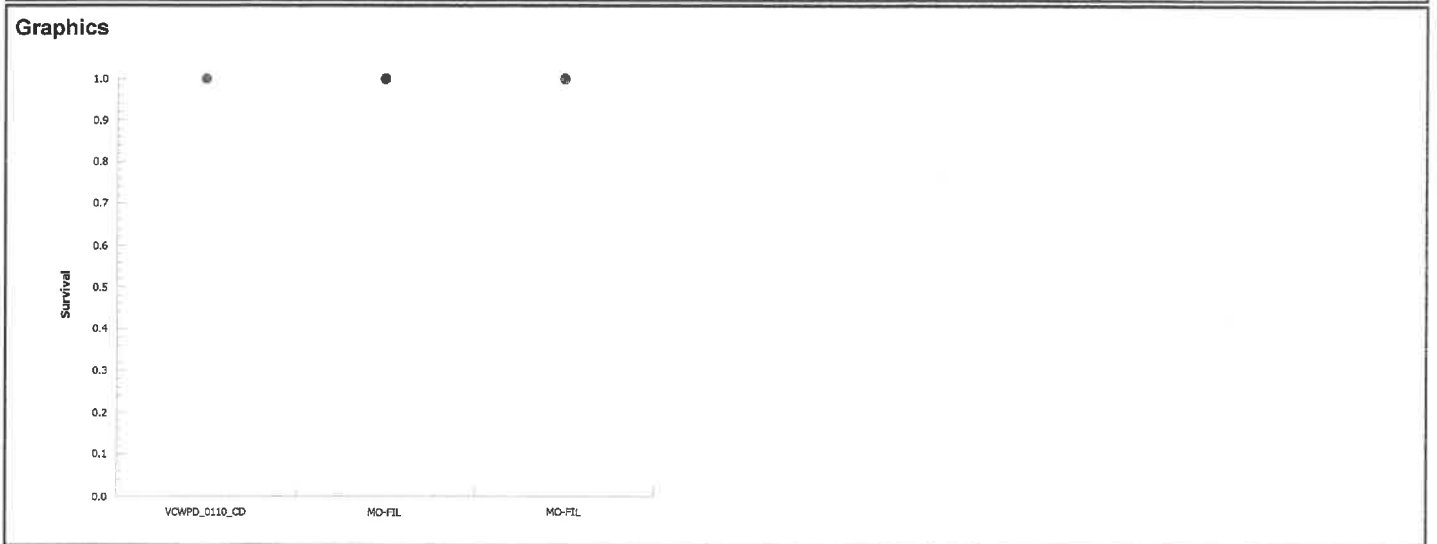
Report Date: 23 Jan-18 10:40 (p 5 of 5)
 Test Code: VCWPD_0110_CD | 07-4553-5197

Ceriodaphnia Survival and Reproduction Test Pacific EcoRisk

Analysis ID: 10-3675-5835	Endpoint: Survival	CETIS Version: CETISv1.9.2
Analyzed: 23 Jan-18 10:32	Analysis: Single 2x2 Contingency Table	Official Results: Yes

Fisher Exact Test						
Sample I	vs	Sample II	Test Stat	P-Type	P-Value	Decision(α :5%)
Lab Water Control		MO-FIL	1.000	Exact	1.0000	Non-Significant Effect

Data Summary							
Sample	Code	NR	R	NR + R	Prop NR	Prop R	%Effect
VCWPD_0110_CD	LW	10	0	10	1	0	0.0%
MO-FIL		10	0	10	1	0	0.0%



CETIS Analytical Report

Report Date: 23 Jan-18 10:40 (p 5 of 5)
Test Code: VCWPD_0110_CD | 07-4553-5197

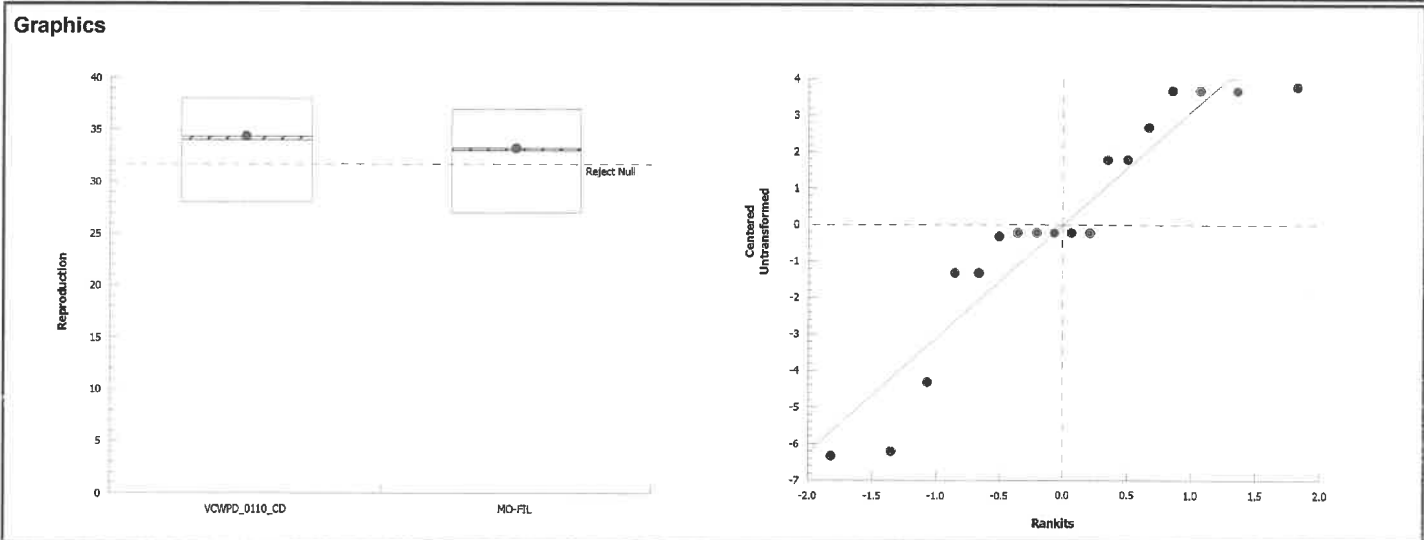
Ceriodaphnia Survival and Reproduction Test				Pacific EcoRisk
Analysis ID: 03-6879-7596	Endpoint: Reproduction	CETIS Version: CETISv1.9.2		
Analyzed: 23 Jan-18 10:39	Analysis: Parametric-Two Sample	Official Results: Yes		
Data Transform	Alt Hyp	Comparison Result	PMSD	
Untransformed	C > T	MO-FIL passed reproduction	7.80%	

Equal Variance t Two-Sample Test									
Sample I	vs	Sample II	Test Stat	Critical	MSD	DF	P-Type	P-Value	Decision(α:5%)
Lab Water Control		MO-FIL	0.724	1.75	2.68	16	CDF	0.2397	Non-Significant Effect

ANOVA Table						
Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	5.55556	5.55556	1	0.524	0.4795	Non-Significant Effect
Error	169.556	10.5972	16			
Total	175.111		17			

Distributional Tests					
Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Variance Ratio F Test	1.85	7.5	0.4038	Equal Variances
Distribution	Shapiro-Wilk W Normality Test	0.887	0.855	0.0349	Normal Distribution

Reproduction Summary											
Sample	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
VCWPD_0110_CD	LW	9	34.3	31.5	37.2	34	28	38	1.24	10.80%	0.00%
MO-FIL		9	33.2	31.1	35.3	33	27	37	0.909	8.21%	3.24%



SALV
APR

Short-Term Chronic 3-Brood *Ceriodaphnia dubia* Survival & Reproduction Test Data

Client: **Ventura County Water Protection District** Material: **MO-FIL** Test Date: **1/10/18**
 Project #: **27911** Test ID: **76384** Randomization: **10.7.3** Control Water: **Modified EPAMH**

	Day	pH		D.O.		Cond. (μ S/cm)	Temp (°C)	Survival / Reproduction										SIGN-OFF		
		New	Old	New	Old			A	B	C	D	E	F	G	H	I	J	Date:	New WQ:	Test Init.:
Lab Water Control	0	7.60		7.7		334	24.8	0	0	0	0	0	0	0	0	0	0	Date: 1/10/18	New WQ: <i>STB</i>	Test Init.: <i>TK</i>
	1	7.93	7.72	9.2	8.3	337	25.6	0	0	0	0	0	0	0	0	0	0	Sol'n Prep: <i>SC</i>	Old WQ: <i>TF</i>	Counts: <i>SMC</i>
	2	7.77	8.10	8.5	7.3	325	25.3	0	0	0	0	0	0	0	0	0	0	Date: 1/11/18	New WQ: <i>MB</i>	Counts: <i>400</i>
	3	7.72	7.73	10.0	8.7	329	25.4	0	0	0	0	6	0	0	0	0	0	Sol'n Prep: <i>SD</i>	Old WQ: <i>MB</i>	Time: <i>1900</i>
	4	7.64	7.68	9.6	7.8	330	25.4	6	7	6	7	0	12	6	7	6	7	Date: 1/12/18	New WQ: <i>CA</i>	Counts: <i>400</i>
	5	7.97	7.70	8.3	7.4	332	25.0	10	13	11	12	12	19	11	14	9	10	Sol'n Prep: <i>EP</i>	Old WQ: <i>MB</i>	Time: <i>1835</i>
	6	7.78	7.83	8.4	7.6	343	25.1	12	18	16	19	19	20	17	17	15	16	Date: 1/13/18	New WQ: <i>MB</i>	Counts: <i>400</i>
	7																	Sol'n Prep: <i>SD</i>	Old WQ: <i>KL</i>	Time: <i>1500</i>
	8																	Date: 1/15/18	New WQ: <i>TA</i>	Counts: <i>128</i>
Total=								28	38	33	38	37	51	34	38	30	33	Mean Neonates/Female = <i>36.0</i>		
	Day	pH		D.O.		Cond. (μ S/cm)		Survival / Reproduction										SAMPLE ID		
		New	Old	New	Old			A	B	C	D	E	F	G	H	I	J			
100%	0	7.63		10.1		177		0	0	0	0	0	0	0	0	0	0	48484		
	1	7.60	7.73	10.0	8.4	185		0	0	0	0	0	0	0	0	0	0	48484		
	2	7.43	7.77	9.4	8.2	172		0	0	0	0	0	0	0	0	0	0	48484		
	3	7.08	7.54	8.9	8.6	179		0	0	0	0	0	0	0	0	0	0	48484		
	4	7.07	7.46	8.0	7.8	182		5	5	5	6	6	4	4	5	6	8	48484		
	5	7.01	7.50	8.0	7.9	186		8	10	10	8	8	7	8	9	8	8	48484		
	6	6.94	7.31	8.4	5.3	186		20	22	20	19	21	14	21	20	19	0	48484		
	7																			
	8																			
Total=								33	37	35	33	35	27	33	33	33	16	Mean Neonates/Female = <i>31.5</i>		

Appendix F

Summary of Statistics for the Evaluation of the Chronic Toxicity of the VCWPD Stormwater to *Ceriodaphnia dubia*: Analysis Including Statistical Outliers

CETIS Summary Report

Report Date: 23 Jan-18 10:33 (p 1 of 2)
Test Code: VCWPD_0110_CD | 07-4553-5197

Ceriodaphnia Survival and Reproduction Test						Pacific EcoRisk					
Batch ID:	10-5499-9558	Test Type:	Reproduction-Survival (7d)			Analyst:	Stevi Vasquez				
Start Date:	10 Jan-18 19:00	Protocol:	EPA-821-R-02-013 (2002)			Diluent:	Not Applicable				
Ending Date:	16 Jan-18 15:57	Species:	Ceriodaphnia dubia			Brine:	Not Applicable				
Duration:	5d 21h	Source:	In-House Culture			Age:	1				
Comments:											
Statistics including outliers Ctl rep F, MO-SIM rep J, MO-FIL rep J											
Sample Code	Sample ID	Sample Date	Receipt Date	Sample Age	Client Name	Project					
VCWPD_0110_CD	00-9939-2463	10 Jan-18 19:00	10 Jan-18 19:00	n/a (24.8 °C)	Ventura County Watersh	27911					
MO-SIM	04-5362-3980	08 Jan-18 19:10	10 Jan-18 07:45	48h (0 °C)							
MO-THO	13-4720-4584	08 Jan-18 20:10	10 Jan-18 07:45	47h (0 °C)							
MO-HUE	06-2500-0619	08 Jan-18 19:55	10 Jan-18 07:45	47h (0 °C)							
MO-VEN	20-7418-3199	08 Jan-18 17:07	10 Jan-18 07:45	50h (0 °C)							
MO-FIL	16-0520-2198	08 Jan-18 16:45	10 Jan-18 07:45	50h (0 °C)							
Sample Code	Material Type	Sample Source		Station Location		Lat/Long					
VCWPD_0110_CD	Lab Water	Ventura County Watershed Prote		LABQA							
MO-SIM	Ambient Water	Ventura County Watershed Prote		MO-SIM							
MO-THO	Ambient Water	Ventura County Watershed Prote		MO-THO							
MO-HUE	Ambient Water	Ventura County Watershed Prote		MO-HUE							
MO-VEN	Ambient Water	Ventura County Watershed Prote		MO-VEN							
MO-FIL	Ambient Water	Ventura County Watershed Prote		MO-FIL							
Single Comparison Summary											
Analysis ID	Endpoint	Comparison Method			P-Value	Comparison Result					
03-3713-5778	Reproduction	Equal Variance t Two-Sample Test			0.5133	MO-SIM passed reproduction					
01-7621-4106	Reproduction	Equal Variance t Two-Sample Test			0.0442	MO-THO failed reproduction					
17-5059-3054	Reproduction	Equal Variance t Two-Sample Test			<1.0E-37	MO-HUE failed reproduction					
20-0218-1483	Reproduction	Equal Variance t Two-Sample Test			3.6E-05	MO-VEN failed reproduction					
00-9603-5900	Reproduction	Equal Variance t Two-Sample Test			0.0603	MO-FIL passed reproduction					
20-4436-3365	Survival	Fisher Exact Test			1.0000	MO-SIM passed survival					
19-1279-2050	Survival	Fisher Exact Test			1.0000	MO-THO passed survival					
13-0342-1024	Survival	Fisher Exact Test			0.1053	MO-HUE passed survival					
14-1753-0262	Survival	Fisher Exact Test			0.5000	MO-VEN passed survival					
10-3675-5835	Survival	Fisher Exact Test			1.0000	MO-FIL passed survival					
Reproduction Summary											
Sample	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
VCWPD_0110_CD	LW	10	36	31.5	40.5	28	51	2	6.32	17.57%	0.00%
MO-SIM		10	36.1	31.2	41	18	42	2.19	6.92	19.17%	-0.28%
MO-THO		10	29.2	22	36.4	10	41	3.2	10.1	34.66%	18.89%
MO-HUE		10	9.3	3.41	15.2	0	23	2.6	8.23	88.53%	74.17%
MO-VEN		10	17	9.93	24.1	0	32	3.12	9.88	58.10%	52.78%
MO-FIL		10	31.5	27.2	35.8	16	37	1.9	6.02	19.12%	12.50%
Survival Summary											
Sample	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
VCWPD_0110_CD	LW	10	1.000	1.000	1.000	1.000	1.000	0.000	0.000	0.00%	0.00%
MO-SIM		10	1.000	1.000	1.000	1.000	1.000	0.000	0.000	0.00%	0.00%
MO-THO		10	1.000	1.000	1.000	1.000	1.000	0.000	0.000	0.00%	0.00%
MO-HUE		10	0.700	0.354	1.000	0.000	1.000	0.153	0.483	69.01%	30.00%
MO-VEN		10	0.900	0.674	1.000	0.000	1.000	0.100	0.316	35.14%	10.00%
MO-FIL		10	1.000	1.000	1.000	1.000	1.000	0.000	0.000	0.00%	0.00%

CETIS Summary Report

Report Date: 23 Jan-18 10:33 (p 2 of 2)
 Test Code: VCWPD_0110_CD | 07-4553-5197

Ceriodaphnia Survival and Reproduction Test											Pacific EcoRisk
Reproduction Detail											
Sample	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
VCWPD_0110_CD	LW	28	38	33	38	37	51	34	38	30	33
MO-SIM		36	39	42	38	40	34	41	39	34	18
MO-THO		36	19	32	10	36	34	39	23	22	41
MO-HUE		7	23	11	12	20	0	14	0	6	0
MO-VEN		32	24	8	29	23	0	13	12	14	15
MO-FIL		33	37	35	33	35	27	33	33	33	16
Survival Detail											
Sample	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
VCWPD_0110_CD	LW	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
MO-SIM		1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
MO-THO		1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
MO-HUE		1.000	1.000	1.000	1.000	1.000	0.000	1.000	0.000	1.000	0.000
MO-VEN		1.000	1.000	1.000	1.000	1.000	0.000	1.000	1.000	1.000	1.000
MO-FIL		1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Survival Binomials											
Sample	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
VCWPD_0110_CD	LW	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
MO-SIM		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
MO-THO		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
MO-HUE		1/1	1/1	1/1	1/1	1/1	0/1	1/1	0/1	1/1	0/1
MO-VEN		1/1	1/1	1/1	1/1	1/1	0/1	1/1	1/1	1/1	1/1
MO-FIL		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1

CETIS Analytical Report

Report Date: 23 Jan-18 10:33 (p 1 of 5)

Test Code: VCWPD_0110_CD | 07-4553-5197

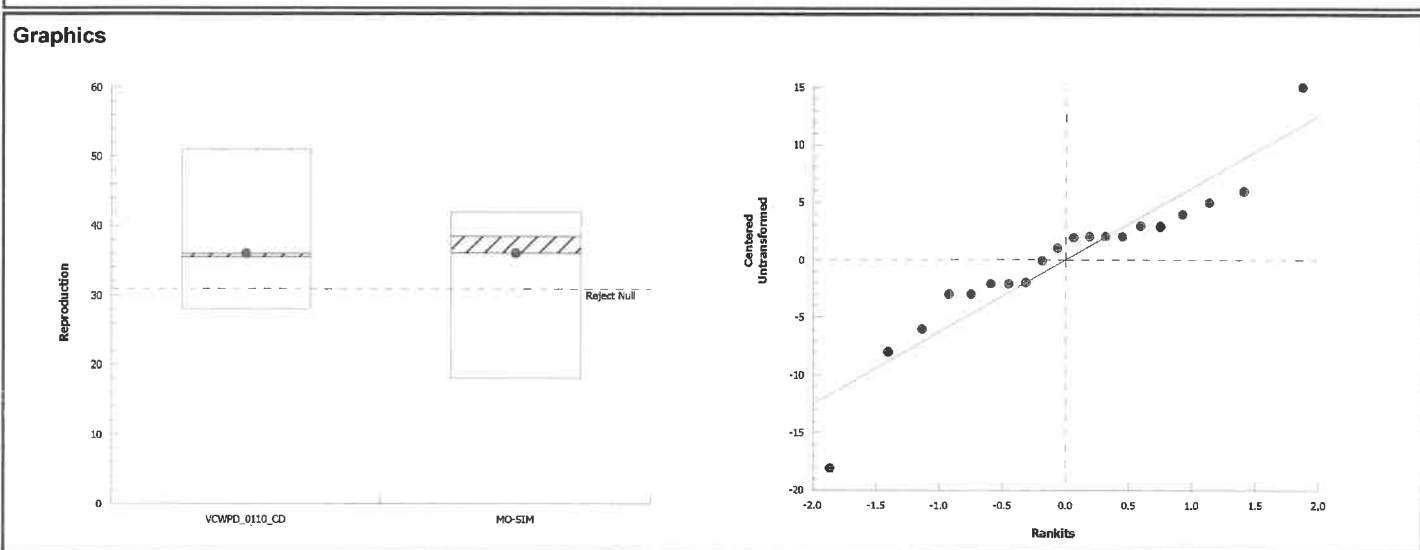
Ceriodaphnia Survival and Reproduction Test				Pacific EcoRisk
Analysis ID: 03-3713-5778	Endpoint: Reproduction	CETIS Version: CETISv1.9.2		
Analyzed: 23 Jan-18 10:32	Analysis: Parametric-Two Sample	Official Results: Yes		
Data Transform	Alt Hyp	Comparison Result	PMSD	
Untransformed	C > T	MO-SIM passed reproduction	14.28%	

Equal Variance t Two-Sample Test									
Sample I	vs	Sample II	Test Stat	Critical	MSD	DF	P-Type	P-Value	Decision(α:5%)
Lab Water Control		MO-SIM	-0.0337	1.73	5.14	18	CDF	0.5133	Non-Significant Effect

ANOVA Table						
Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.05	0.05	1	0.00114	0.9735	Non-Significant Effect
Error	790.9	43.9389	18			
Total	790.95		19			

Distributional Tests						
Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)	
Variances	Variance Ratio F Test	1.2	6.54	0.7932	Equal Variances	
Distribution	Shapiro-Wilk W Normality Test	0.91	0.866	0.0643	Normal Distribution	

Reproduction Summary											
Sample	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
VCWPD_0110_CD	LW	10	36	31.5	40.5	35.5	28	51	2	17.57%	0.00%
MO-SIM		10	36.1	31.2	41	38.5	18	42	2.19	19.17%	-0.28%



CETIS Analytical Report

Report Date: 23 Jan-18 10:33 (p 2 of 5)
 Test Code: VCWPD_0110_CD | 07-4553-5197

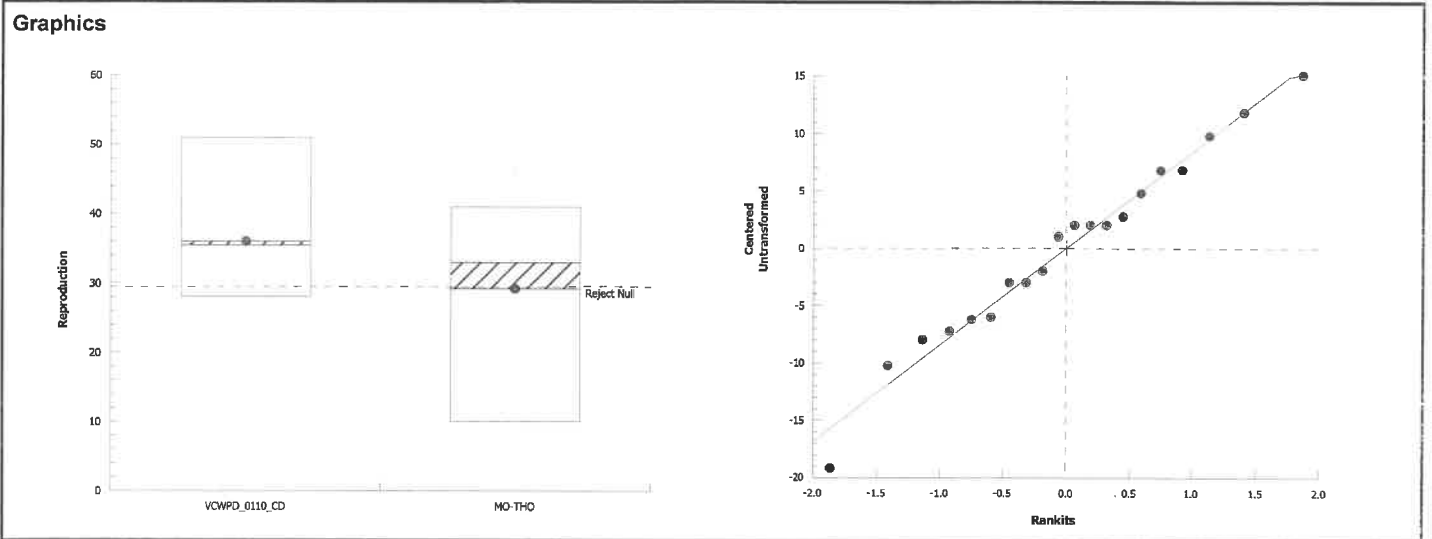
Ceriodaphnia Survival and Reproduction Test				Pacific EcoRisk
Analysis ID: 01-7621-4106	Endpoint: Reproduction	CETIS Version: CETISv1.9.2		
Analyzed: 23 Jan-18 10:33	Analysis: Parametric-Two Sample	Official Results: Yes		
Data Transform	Alt Hyp	Comparison Result	PMSD	
Untransformed	C > T	MO-THO failed reproduction	18.18%	

Equal Variance t Two-Sample Test									
Sample I	vs	Sample II	Test Stat	Critical	MSD	DF	P-Type	P-Value	Decision(α:5%)
Lab Water Control		MO-THO*	1.8	1.73	6.54	18	CDF	0.0442	Significant Effect

ANOVA Table						
Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	231.2	231.2	1	3.25	0.0883	Non-Significant Effect
Error	1281.6	71.2	18			
Total	1512.8		19			

Distributional Tests						
Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)	
Variances	Variance Ratio F Test	2.56	6.54	0.1776	Equal Variances	
Distribution	Shapiro-Wilk W Normality Test	0.983	0.866	0.9687	Normal Distribution	

Reproduction Summary											
Sample	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
VCWPD_0110_CD	LW	10	36	31.5	40.5	35.5	28	51	2	17.57%	0.00%
MO-THO		10	29.2	22	36.4	33	10	41	3.2	34.66%	18.89%



CETIS Analytical Report

Report Date: 23 Jan-18 10:34 (p 3 of 5)

Test Code: VCWPD_0110_CD | 07-4553-5197

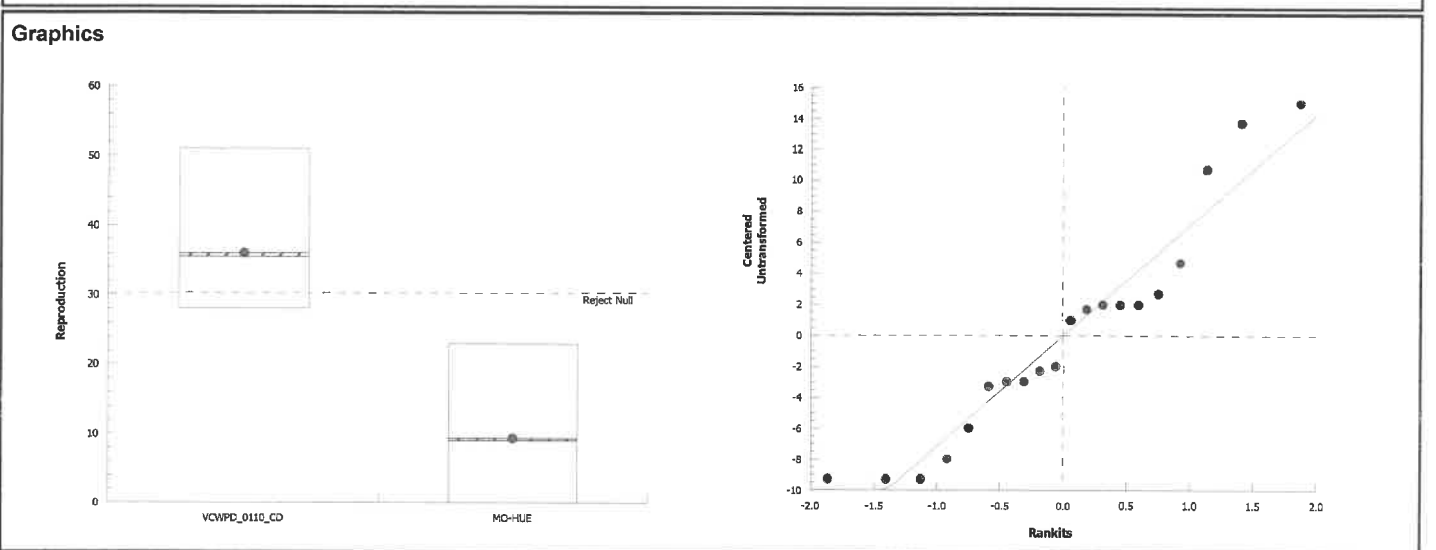
Ceriodaphnia Survival and Reproduction Test				Pacific EcoRisk
Analysis ID: 17-5059-3054	Endpoint: Reproduction	CETIS Version: CETISv1.9.2		
Analyzed: 23 Jan-18 10:33	Analysis: Parametric-Two Sample	Official Results: Yes		
Data Transform	Alt Hyp	Comparison Result	PMSD	
Untransformed	C > T	MO-HUE failed reproduction	15.81%	

Equal Variance t Two-Sample Test									
Sample I	vs	Sample II	Test Stat	Critical	MSD	DF	P-Type	P-Value	Decision(α:5%)
Lab Water Control		MO-HUE*	8.13	1.73	5.69	18	CDF	<1.0E-37	Significant Effect

ANOVA Table						
Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	3564.45	3564.45	1	66.1	1.9E-07	Significant Effect
Error	970.1	53.8944	18			
Total	4534.55		19			

Distributional Tests						
Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)	
Variances	Variance Ratio F Test	1.69	6.54	0.4440	Equal Variances	
Distribution	Shapiro-Wilk W Normality Test	0.922	0.866	0.1097	Normal Distribution	

Reproduction Summary											
Sample	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
VCWPD_0110_CD	LW	10	36	31.5	40.5	35.5	28	51	2	17.57%	0.00%
MO-HUE		10	9.3	3.41	15.2	9	0	23	2.6	88.53%	74.17%



CETIS Analytical Report

Report Date: 23 Jan-18 10:34 (p 4 of 5)
Test Code: VCWPD_0110_CD | 07-4553-5197

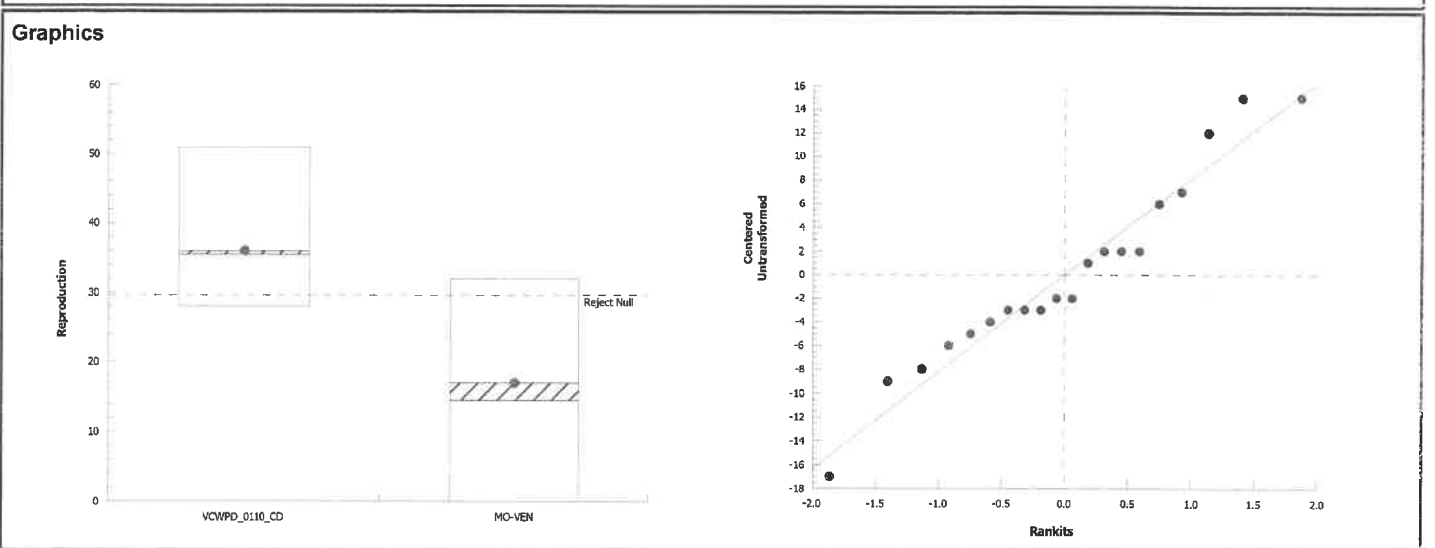
Ceriodaphnia Survival and Reproduction Test				Pacific EcoRisk
Analysis ID: 20-0218-1483	Endpoint: Reproduction	CETIS Version: CETISv1.9.2		
Analyzed: 23 Jan-18 10:33	Analysis: Parametric-Two Sample	Official Results: Yes		
Data Transform	Alt Hyp	Comparison Result	PMSD	
Untransformed	C > T	MO-VEN failed reproduction	17.86%	

Equal Variance t Two-Sample Test									
Sample I	vs	Sample II	Test Stat	Critical	MSD	DF	P-Type	P-Value	Decision(α:5%)
Lab Water Control		MO-VEN*	5.12	1.73	6.43	18	CDF	3.6E-05	Significant Effect

ANOVA Table						
Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	1805	1805	1	26.2	7.1E-05	Significant Effect
Error	1238	68.7778	18			
Total	3043		19			

Distributional Tests						
Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)	
Variances	Variance Ratio F Test	2.44	6.54	0.2003	Equal Variances	
Distribution	Shapiro-Wilk W Normality Test	0.955	0.866	0.4454	Normal Distribution	

Reproduction Summary											
Sample	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
VCWPD_0110_CD	LW	10	36	31.5	40.5	35.5	28	51	2	17.57%	0.00%
MO-VEN		10	17	9.93	24.1	14.5	0	32	3.12	58.10%	52.78%



CETIS Analytical Report

Report Date: 23 Jan-18 10:34 (p 5 of 5)

Test Code: VCWPD_0110_CD | 07-4553-5197

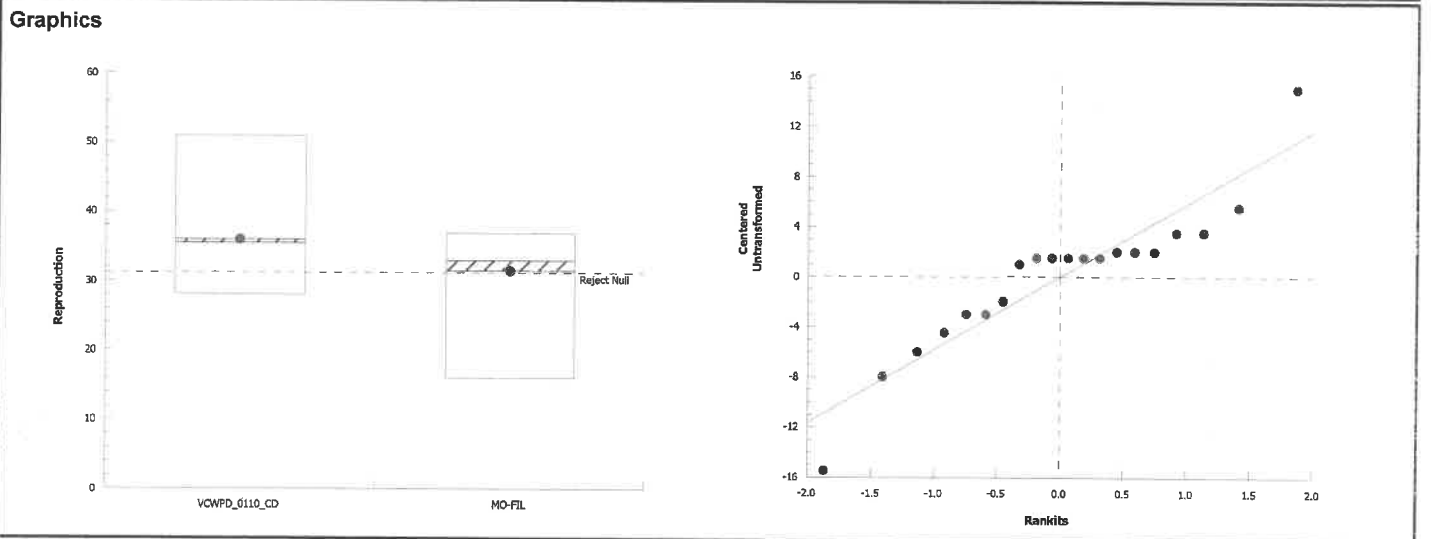
Ceriodaphnia Survival and Reproduction Test				Pacific EcoRisk
Analysis ID: 00-9603-5900	Endpoint: Reproduction	CETIS Version: CETISv1.9.2		
Analyzed: 23 Jan-18 10:33	Analysis: Parametric-Two Sample	Official Results: Yes		
Data Transform	Alt Hyp	Comparison Result	PMSD	
Untransformed	C > T	MO-FIL passed reproduction	13.30%	

Equal Variance t Two-Sample Test									
Sample I	vs	Sample II	Test Stat	Critical	MSD	DF	P-Type	P-Value	Decision(α:5%)
Lab Water Control		MO-FIL	1.63	1.73	4.79	18	CDF	0.0603	Non-Significant Effect

ANOVA Table						
Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	101.25	101.25	1	2.65	0.1206	Non-Significant Effect
Error	686.5	38.1389	18			
Total	787.75		19			

Distributional Tests						
Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)	
Variances	Variance Ratio F Test	1.1	6.54	0.8867	Equal Variances	
Distribution	Shapiro-Wilk W Normality Test	0.898	0.866	0.0379	Normal Distribution	

Reproduction Summary											
Sample	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
VCWPD_0110_CD	LW	10	36	31.5	40.5	35.5	28	51	2	17.57%	0.00%
MO-FIL		10	31.5	27.2	35.8	33	16	37	1.9	19.12%	12.50%



Appendix G

Test Data and Summary of Statistics for the Evaluation of the Chronic Toxicity of the VCWPD Stormwater to Fathead Minnows

CETIS Summary Report

Report Date: 23 Jan-18 13:47 (p 1 of 2)
Test Code: VCWPD_0110_PP | 18-4191-6338

Chronic Larval Fish Survival and Growth Test						Pacific EcoRisk					
Batch ID:	21-0074-7853	Test Type: Growth-Survival (7d)			Analyst:	Stevi Vasquez					
Start Date:	10 Jan-18 18:54	Protocol: EPA-821-R-02-013 (2002)			Diluent:	Not Applicable					
Ending Date:	17 Jan-18 10:12	Species: Pimephales promelas			Brine:	Not Applicable					
Duration:	6d 15h	Source: Aquatox, AR			Age:	1					
Sample Code	Sample ID	Sample Date	Receipt Date	Sample Age	Client Name	Project					
VCWPD_0110_PP	02-9133-6553	10 Jan-18 18:54	10 Jan-18 18:54	n/a (25 °C)	Ventura County Watersh	27911					
MO-CAM	09-3592-8642	08 Jan-18 21:00	10 Jan-18 07:45	46h (0 °C)							
MO-OJA	10-0779-6329	08 Jan-18 13:15	10 Jan-18 07:45	54h (0 °C)							
MO-MEI	04-3325-6801	08 Jan-18 14:15	10 Jan-18 07:45	53h (0 °C)							
MO-OXN	01-3928-4384	08 Jan-18 18:35	10 Jan-18 07:45	48h (0 °C)							
MO-SPA	04-4468-3543	08 Jan-18 16:00	10 Jan-18 07:45	51h (0 °C)							
Sample Code	Material Type	Sample Source	Station Location	Lat/Long							
VCWPD_0110_PP	Lab Water	Ventura County Watershed Prote	LABQA								
MO-CAM	Ambient Water	Ventura County Watershed Prote	MO-CAM								
MO-OJA	Ambient Water	Ventura County Watershed Prote	MO-OJA								
MO-MEI	Ambient Water	Ventura County Watershed Prote	MO-MEI								
MO-OXN	Ambient Water	Ventura County Watershed Prote	MO-OXN								
MO-SPA	Ambient Water	Ventura County Watershed Prote	MO-SPA								
Single Comparison Summary											
Analysis ID	Endpoint	Comparison Method	P-Value	Comparison	Result						
19-4487-5780	7d Survival Rate	Wilcoxon Rank Sum Two-Sample Test	1.0000	MO-CAM	passed 7d survival rate						
12-1690-2831	7d Survival Rate	Equal Variance t Two-Sample Test	0.0010	MO-OJA	failed 7d survival rate						
01-9296-1538	7d Survival Rate	Unequal Variance t Two-Sample Test	0.0406	MO-MEI	failed 7d survival rate						
13-4595-3620	7d Survival Rate	Wilcoxon Rank Sum Two-Sample Test	0.0143	MO-OXN	failed 7d survival rate						
19-5274-5468	7d Survival Rate	Unequal Variance t Two-Sample Test	0.0949	MO-SPA	passed 7d survival rate						
18-0874-4515	Mean Dry Biomass-mg	Equal Variance t Two-Sample Test	0.0011	MO-CAM	failed mean dry biomass-mg						
16-4488-8619	Mean Dry Biomass-mg	Equal Variance t Two-Sample Test	5.8E-05	MO-OJA	failed mean dry biomass-mg						
12-7660-8970	Mean Dry Biomass-mg	Equal Variance t Two-Sample Test	1.7E-05	MO-MEI	failed mean dry biomass-mg						
14-1753-9085	Mean Dry Biomass-mg	Equal Variance t Two-Sample Test	4.7E-05	MO-OXN	failed mean dry biomass-mg						
13-2261-9250	Mean Dry Biomass-mg	Equal Variance t Two-Sample Test	5.8E-05	MO-SPA	failed mean dry biomass-mg						
7d Survival Rate Summary											
Sample	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
VCWPD_0110_PP	LW	4	1.000	1.000	1.000	1.000	1.000	0.000	0.000	0.00%	0.00%
MO-CAM		4	1.000	1.000	1.000	1.000	1.000	0.000	0.000	0.00%	0.00%
MO-OJA		4	0.650	0.374	0.926	0.400	0.800	0.087	0.173	26.65%	35.00%
MO-MEI		3	0.367	0.000	1.000	0.000	0.700	0.203	0.351	95.78%	63.33%
MO-OXN		4	0.875	0.795	0.955	0.800	0.900	0.025	0.050	5.71%	12.50%
MO-SPA		4	0.875	0.636	1.000	0.700	1.000	0.075	0.150	17.14%	12.50%
Mean Dry Biomass-mg Summary											
Sample	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
VCWPD_0110_PP	LW	4	1.01	0.963	1.06	0.978	1.05	0.0155	0.031	3.06%	0.00%
MO-CAM		4	0.868	0.793	0.944	0.812	0.927	0.0237	0.0473	5.45%	14.25%
MO-OJA		4	0.321	0.0769	0.564	0.129	0.488	0.0766	0.153	47.77%	68.35%
MO-MEI		3	0.132	-0.18	0.444	0	0.25	0.0725	0.126	94.94%	86.93%
MO-OXN		4	0.602	0.468	0.735	0.49	0.691	0.0419	0.0838	13.92%	40.57%
MO-SPA		4	0.442	0.243	0.641	0.305	0.591	0.0626	0.125	28.29%	56.32%

CETIS Summary Report

Report Date: 23 Jan-18 13:47 (p 2 of 2)

Test Code: VCWPD_0110_PP | 18-4191-6338

Chronic Larval Fish Survival and Growth Test						Pacific EcoRisk
7d Survival Rate Detail						
Sample	Code	Rep 1	Rep 2	Rep 3	Rep 4	
VCWPD_0110_PP	LW	1.000	1.000	1.000	1.000	
MO-CAM		1.000	1.000	1.000	1.000	
MO-OJA		0.800	0.400	0.700	0.700	
MO-MEI		0.700	0.400	0.000		
MO-OXN		0.900	0.800	0.900	0.900	
MO-SPA		1.000	1.000	0.800	0.700	
Mean Dry Biomass-mg Detail						
Sample	Code	Rep 1	Rep 2	Rep 3	Rep 4	
VCWPD_0110_PP	LW	0.978	1.05	0.998	1.02	
MO-CAM		0.86	0.874	0.927	0.812	
MO-OJA		0.488	0.129	0.384	0.281	
MO-MEI		0.25	0.147	0		
MO-OXN		0.626	0.49	0.691	0.6	
MO-SPA		0.591	0.491	0.305	0.382	
7d Survival Rate Binomials						
Sample	Code	Rep 1	Rep 2	Rep 3	Rep 4	
VCWPD_0110_PP	LW	10/10	10/10	10/10	10/10	
MO-CAM		10/10	10/10	10/10	10/10	
MO-OJA		8/10	4/10	7/10	7/10	
MO-MEI		7/10	4/10	0/10		
MO-OXN		9/10	8/10	9/10	9/10	
MO-SPA		10/10	10/10	8/10	7/10	

SVX *ARF*

CETIS Analytical Report

Report Date: 23 Jan-18 13:42 (p 1 of 10)
 Test Code: VCWPD_0110_PP | 18-4191-6338

Chronic Larval Fish Survival and Growth Test Pacific EcoRisk

Analysis ID: 19-4487-5780	Endpoint: 7d Survival Rate	CETIS Version: CETISv1.9.2
Analyzed: 23 Jan-18 13:40	Analysis: Nonparametric-Two Sample	Official Results: Yes

Wilcoxon Rank Sum Two-Sample Test

Sample I	vs	Sample II	Test Stat	Critical	Ties	DF	P-Type	P-Value	Decision(α:5%)
Lab Water Control		MO-CAM	18	n/a	1	6	Exact	1.0000	Non-Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0	0	1	65500	<1.0E-37	Significant Effect
Error	0	0	6			
Total	0		7			

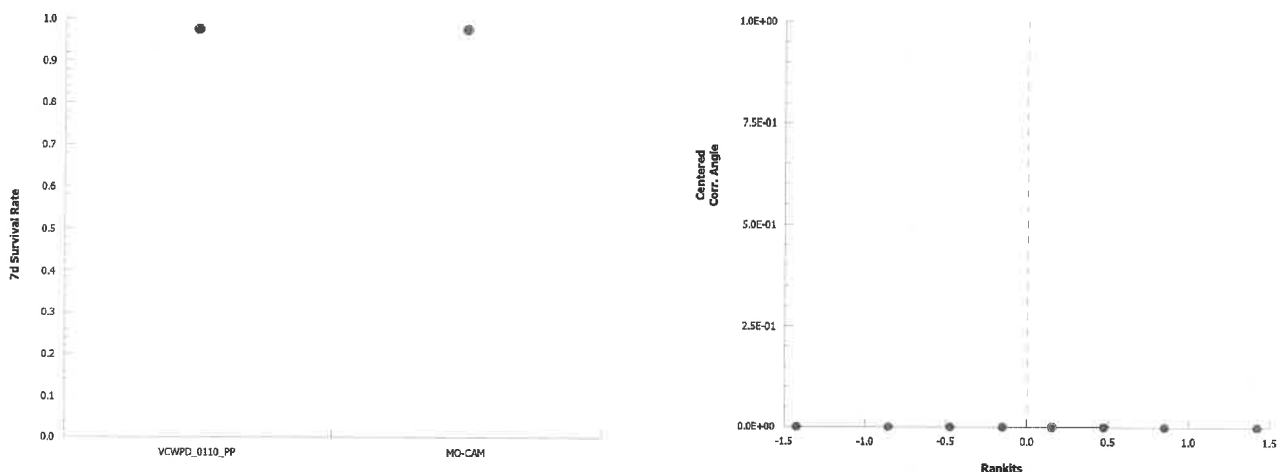
7d Survival Rate Summary

Sample	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
VCWPD_0110_PP	LW	4	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.00%	0.00%
MO-CAM		4	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.00%	0.00%

Angular (Corrected) Transformed Summary

Sample	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
VCWPD_0110_PP	LW	4	1.41	1.41	1.41	1.41	1.41	1.41	0	0.00%	0.00%
MO-CAM		4	1.41	1.41	1.41	1.41	1.41	1.41	0	0.00%	0.00%

Graphics



CETIS Analytical Report

Report Date: 23 Jan-18 13:42 (p 6 of 10)
Test Code: VCWPD_0110_PP | 18-4191-6338

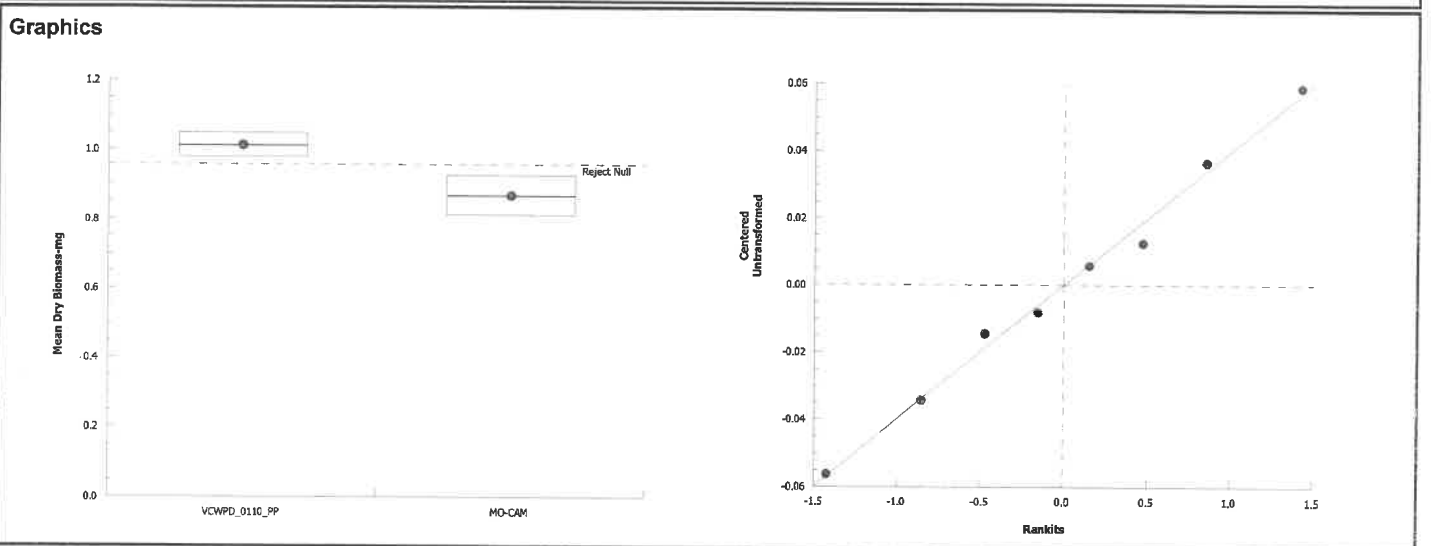
Chronic Larval Fish Survival and Growth Test				Pacific EcoRisk
Analysis ID: 18-0874-4515	Endpoint: Mean Dry Biomass-mg	CETIS Version: CETISv1.9.2		
Analyzed: 23 Jan-18 13:41	Analysis: Parametric-Two Sample	Official Results: Yes		
Data Transform	Alt Hyp	Comparison Result	PMSD	
Untransformed	C > T	MO-CAM failed mean dry biomass-mg	5.43%	

Equal Variance t Two-Sample Test									
Sample I	vs	Sample II	Test Stat	Critical	MSD	DF	P-Type	P-Value	Decision(α:5%)
Lab Water Control		MO-CAM*	5.1	1.94	0.055	6	CDF	0.0011	Significant Effect

ANOVA Table						
Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.0416168	0.0416168	1	26	0.0022	Significant Effect
Error	0.0096057	0.0016009	6			
Total	0.0512225		7			

Distributional Tests						
Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)	
Variances	Variance Ratio F Test	2.32	47.5	0.5064	Equal Variances	
Distribution	Shapiro-Wilk W Normality Test	0.991	0.645	0.9962	Normal Distribution	

Mean Dry Biomass-mg Summary											
Sample	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
VCWPD_0110_PP	LW	4	1.01	0.963	1.06	1.01	0.978	1.05	0.0155	3.06%	0.00%
MO-CAM		4	0.868	0.793	0.944	0.867	0.812	0.927	0.0237	5.45%	14.25%



7 Day Chronic Fathead Minnow Toxicity Test Data

Client: Ventura County Water Protection District
 Test Material: MO-CAM
 Test ID#: 76375 Project #: 27911
 Test Date: 1/10/18 Randomization: 4.6.6

Organism Log#: 10722 Age: 248hr
 Organism Supplier: 2013 Aggator
 Control: EPAMH
 Control Water Batch: 2043

Test Treatment	Temp (°C)	pH		D.O. (mg/L)		Conductivity (µS/cm)	# Live Organisms				SIGN-OFF
		new	old	new	old		A	B	C	D	
Lab Water Control	25.0	7.95		8.4		283	10	10	10	10	Date: <u>1/10/18</u> Test Solution Prep: <u>SC</u>
100%	25.2	7.63		9.1		513	10	10	10	10	Sample ID: <u>48475</u> Initiation Time: <u>1854</u>
Meter ID	58A	PH19		RD09		EC08	New WQ: <u>TA</u>				Initiation Signoff: <u>RB</u>
Lab Water Control	25.1	7.83	7.53	9.0	5.9	315	10	10	10	10	Date: <u>1/11/18</u> Test Solution Prep: <u>SC</u>
100%	25.2	7.41	7.33	10.3	6.6	511	10	10	10	10	Sample ID: <u>48475</u> Renewal Time: <u>1630</u>
Meter ID	98A	PH19	PH23	RD10	RD09	EC11	New WQ: <u>TF</u>	Old WQ: <u>TA</u>			Renewal Signoff: <u>TK</u>
Lab Water Control	24.6	8.10	8.06	8.7	8.1	284	10	10	10	10	Date: <u>1/12/18</u> Test Solution Prep: <u>SD</u>
100%	25.2	7.52	7.59	9.2	7.6	503	10	10	10	10	Sample ID: <u>48475</u> Renewal Time: <u>1430</u>
Meter ID	98A	PH19	PH19	RD12	RD11	EC12	New WQ: <u>LA</u>	Old WQ: <u>LA</u>			Renewal Signoff: <u>SD 1/12/18 48475 EP</u>
Lab Water Control	24.9	7.93	7.73	9.3	8.4	287	10	10	10	10	Date: <u>1/13/18</u> Test Solution Prep: <u>EP</u>
100%	25.1	7.20	7.52	9.0	8.2	478	10	10	10	10	Sample ID: <u>48475</u> Renewal Time: <u>1130</u>
Meter ID	81A	PH19	PH21	RD10	RD12	EC12	New WQ: <u>LT</u>	Old WQ: <u>LT</u>			Renewal Signoff: <u>TK</u>
Lab Water Control	24.1	8.10	7.72	8.4	8.1	299	10	10	10	10	Date: <u>1/14/18</u> Test Solution Prep: <u>SD</u>
100%	24.6	7.35	7.33	7.9	6.3	484	10	10	10	10	Sample ID: <u>48475</u> Renewal Time: <u>1515</u>
Meter ID	40A	PH23	PH17	RD11	RD10	EC10	New WQ: <u>FT</u>	Old WQ: <u>LT</u>			Renewal Signoff: <u>48475 CO</u>
Lab Water Control	24.0	8.16	7.84	8.4	7.9	287	10	10	10	10	Date: <u>1/15/18</u> Test Solution Prep: <u>SD</u>
100%	24.1	7.29	7.45	9.0	6.9	519	10	10	10	10	Sample ID: <u>48475</u> Renewal Time: <u>1300</u>
Meter ID	58A	PH21	PH23	RD11	RD12	EC11	New WQ: <u>RAF</u>	Old WQ: <u>RAF</u>			Renewal Signoff: <u>SD</u>
Lab Water Control	24.1	8.03	7.77	7.2	7.4	285	10	10	10	10	Date: <u>1/16/18</u> Test Solution Prep: <u>2</u>
100%	24.6	7.15	7.59	9.3	6.8	509	10	10	10	10	Sample ID: <u>48475</u> Renewal Time: <u>1435</u>
Meter ID	98A	PH21	PH21	RD11	RD11	EC10	New WQ: <u>K6</u>	Old WQ: <u>RAF</u>			Renewal Signoff: <u>WC</u>
Lab Water Control	24.3		7.70		7.6	318	10	10	10	10	Date: <u>1/17/18</u> Termination Time: <u>1012</u>
100%	24.3		7.57		7.2	583	10	10	10	10	Termination Signoff: <u>RB</u>
Meter ID	99A	PH19		RD10	EC12						Old WQ: <u>KL</u>

Fathead Minnow Dry Weight Data Sheet

Client: Ventura County Water Protection District Test ID #: 76375 Project #: 27911
 Test Material: MO-CAM Tare Weight Date: 1/13/18 Sign-off: SDB
 Test Date: 1/10/18 Final Weight Date: 1/18/18 Sign-off: RAP

Pan ID	Treatment	Replicate	Initial Pan Weight (mg)	Final Pan Weight (mg)	Initial # of Organisms	Biomass Value (mg)
1	Lab Water	A	412.86	422.64	10	0.978
2	Control	B	409.52	420.01	10	1.05
3		C	410.70	420.68	10	0.998
4		D	408.96	419.21	10	1.03
5	100%	A	405.83	414.43	10	0.860
6		B	407.50	416.24	10	0.874
7		C	408.47	417.74	10	0.927
8		D	410.53	418.65	10	0.812
QA1			416.56	416.57		
Balance ID:			Bal04	Bal04		

CETIS Analytical Report

Report Date: 23 Jan-18 13:42 (p 2 of 10)
 Test Code: VCWPD_0110_PP | 18-4191-6338

Chronic Larval Fish Survival and Growth Test				Pacific EcoRisk
Analysis ID: 12-1690-2831	Endpoint: 7d Survival Rate	CETIS Version: CETISv1.9.2		
Analyzed: 23 Jan-18 13:40	Analysis: Parametric-Two Sample	Official Results: Yes		
Data Transform	Alt Hyp	Comparison Result	PMSD	
Angular (Corrected)	C > T	MO-OJA failed 7d survival rate	10.79%	

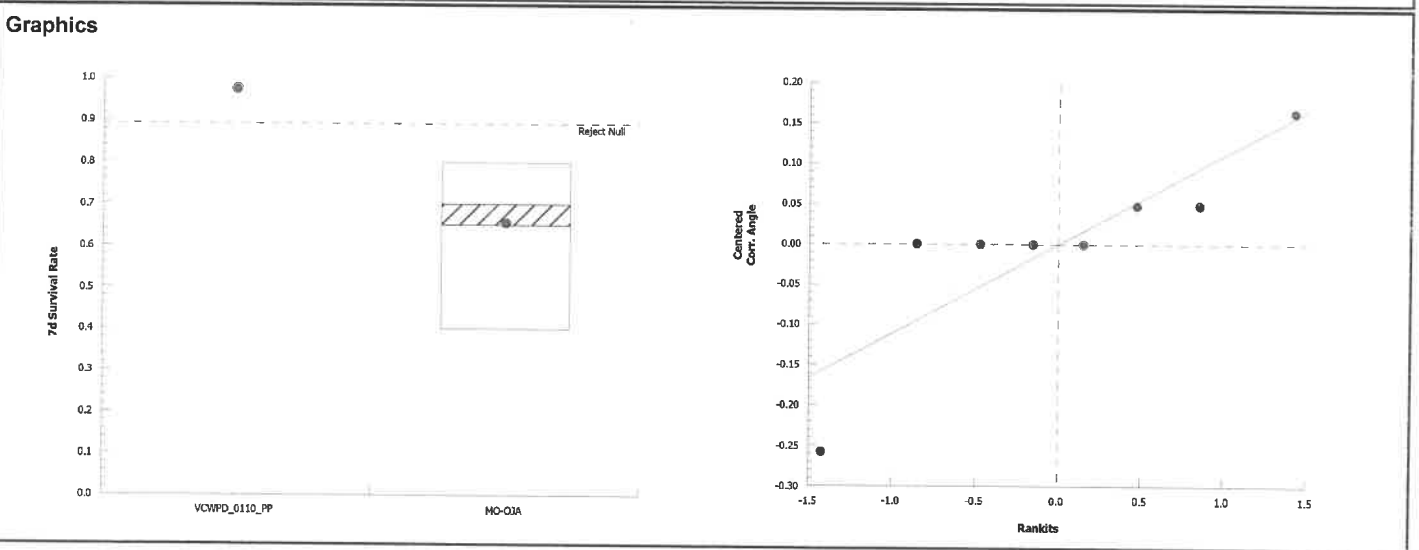
Equal Variance t Two-Sample Test									
Sample I	vs	Sample II	Test Stat	Critical	MSD	DF	P-Type	P-Value	Decision(α:5%)
Lab Water Control		MO-OJA*	5.18	1.94	0.176	6	CDF	0.0010	Significant Effect

ANOVA Table						
Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.43893	0.43893	1	26.8	0.0021	Significant Effect
Error	0.0982907	0.0163818	6			
Total	0.537221		7			

Distributional Tests						
Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)	
Variances	Levene Equality of Variance Test	6.42	13.7	0.0444	Equal Variances	
Variances	Mod Levene Equality of Variance Test	2.13	13.7	0.1945	Equal Variances	
Distribution	Shapiro-Wilk W Normality Test	0.792	0.645	0.0234	Normal Distribution	

7d Survival Rate Summary											
Sample	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
VCWPD_0110_PP	LW	4	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.00%	0.00%
MO-OJA		4	0.650	0.374	0.926	0.700	0.400	0.800	0.087	26.65%	35.00%

Angular (Corrected) Transformed Summary											
Sample	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
VCWPD_0110_PP	LW	4	1.41	1.41	1.41	1.41	1.41	1.41	0	0.00%	0.00%
MO-OJA		4	0.944	0.656	1.23	0.991	0.685	1.11	0.0905	19.18%	33.18%



CETIS Analytical Report

Report Date: 23 Jan-18 13:48 (p 1 of 2)

Test Code: VCWPD_0110_PP | 18-4191-6338

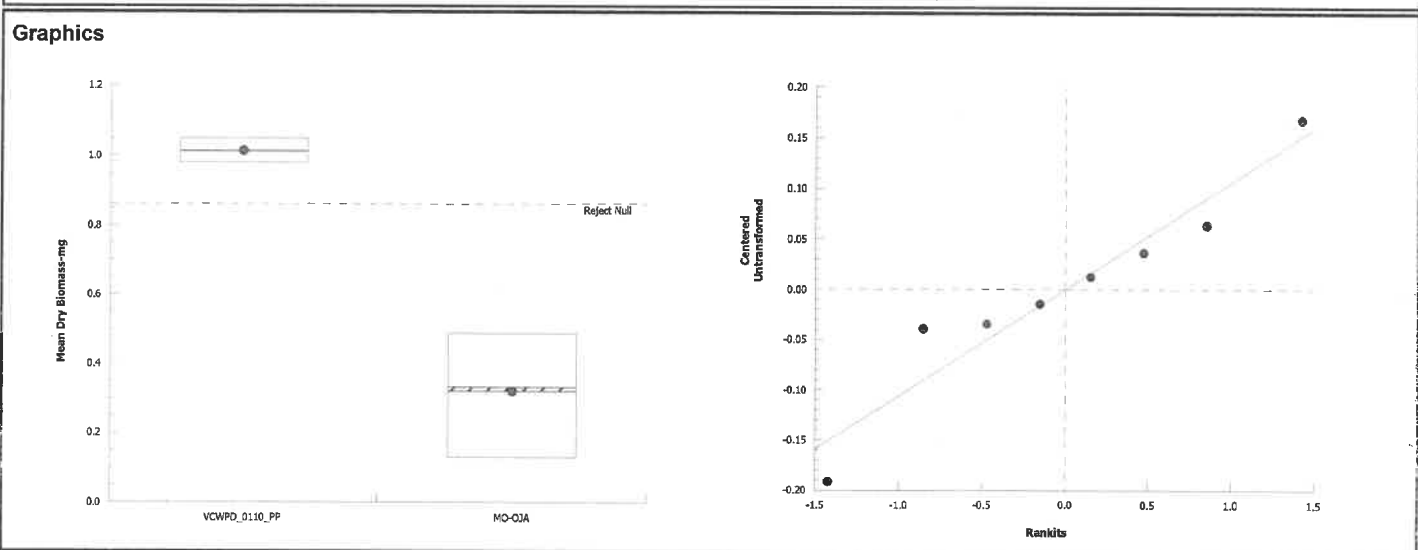
Chronic Larval Fish Survival and Growth Test				Pacific EcoRisk
Analysis ID: 16-4488-8619	Endpoint: Mean Dry Biomass-mg	CETIS Version: CETISv1.9.2		
Analyzed: 23 Jan-18 13:47	Analysis: Parametric-Two Sample	Official Results: Yes		
Data Transform	Alt Hyp	Comparison Result	PMSD	
Untransformed	C > T	MO-OJA failed mean dry biomass-mg	14.99%	

Equal Variance t Two-Sample Test									
Sample I	vs	Sample II	Test Stat	Critical	MSD	DF	P-Type	P-Value	Decision(α:5%)
Lab Water Control		MO-OJA*	8.86	1.94	0.152	6	CDF	5.8E-05	Significant Effect

ANOVA Table						
Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.95773	0.95773	1	78.5	1.2E-04	Significant Effect
Error	0.0732098	0.0122016	6			
Total	1.03094		7			

Distributional Tests						
Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)	
Variances	Variance Ratio F Test	24.3	47.5	0.0263	Equal Variances	
Distribution	Shapiro-Wilk W Normality Test	0.95	0.645	0.7135	Normal Distribution	

Mean Dry Biomass-mg Summary											
Sample	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
VCWPD_0110_PP	LW	4	1.01	0.963	1.06	1.01	0.978	1.05	0.0155	3.06%	0.00%
MO-OJA		4	0.321	0.0769	0.564	0.332	0.129	0.488	0.0766	47.77%	68.35%



7 Day Chronic Fathead Minnow Toxicity Test Data

Client: Ventura County Water Protection District Organism Log#: 10722 Age: < 48hr
 Test Material: MO-OJA Organism Supplier: AguaBox
 Test ID#: 76376 Project #: 27911 Control: EPAMH
 Test Date: 1/10/18 Randomization: 4.6.6 Control Water Batch: 2043

Test Treatment	Temp (°C)	pH		D.O. (mg/L)		Conductivity (µS/cm)	# Live Organisms				SIGN-OFF
		new	old	new	old		A	B	C	D	
Lab Water Control	25.0	7.95		8.4		283	10	10	10	10	Date: 1/10/18 Test Solution Prep: SF
100%	24.7	7.65		7.9		322	10	10	10	10	Sample ID: 48476 Initiation Time: 1854
Meter ID	58A	PH19		RD09		EC08	New WQ: TA				Initiation Signoff: RC6
Lab Water Control	25.1	7.83	7.53	9.0	5.9	315	10	10	10	10	Date: 1/11/18 Test Solution Prep: SF
100%	25.0	7.49	7.63	8.6	6.7	334	10	10	10	10	Sample ID: 48476 Renewal Time: 1630
Meter ID	98A	PH19	PH23	RD10	RD09	EC11	New WQ: TF	Old WQ: TA			Renewal Signoff: TK
Lab Water Control	24.6	8.10	8.06	8.7	8.1	284	10	10	10	10	Date: 1/12/18 Test Solution Prep: SD
100%	24.7	7.40	7.97	5.0	6.8	336	9	10	10	10	Sample ID: 48476 Renewal Time: 1430
Meter ID	98A	PH19	PH19	RD12	RD11	EC12	New WQ: TA	Old WQ: TA			Renewal Signoff: 48476 EP
Lab Water Control	24.9	7.93	7.73	9.3	8.4	287	10	10	10	10	Date: 1/13/18 Test Solution Prep: EP
100%	24.8	7.13	7.80	4.3	7.8	342	9	4	10	10	Sample ID: 48476 Renewal Time: 1130
Meter ID	81A	PH19	PH21	RD10	RD12	EC12	New WQ: LZ	Old WQ: LZ			Renewal Signoff: TK
Lab Water Control	24.1	8.10	7.72	8.4	8.1	299	10	10	10	10	Date: 1/14/18 Test Solution Prep: SD
100%	23.7	7.16	7.73	4.5	6.6	361	9	4	10	10	Sample ID: 48476 Renewal Time: 1515
Meter ID	40A	PH23	PH19	RD11	RD10	EC16	New WQ: FT	Old WQ: LZ			Renewal Signoff: CD
Lab Water Control	24.0	8.16	7.84	8.6	7.9	287	10	10	10	10	Date: 1/15/18 Test Solution Prep: SD
100%	23.4	7.03	7.66	7.4	6.0	368	8	4	7	10	Sample ID: 48476 Renewal Time: 1300
Meter ID	58A	PH21	PH23	RD11	RD12	EC11	New WQ: RAP	Old WQ: RAP			Renewal Signoff: JL
Lab Water Control	24.1	8.03	7.77	7.2	7.4	285	10	10	10	10	Date: 1/16/18 Test Solution Prep: N
100%	24.0	7.01	7.58	5.3	6.3	370	8	4	7	8	Sample ID: 48476 Renewal Time: 1435
Meter ID	98A	PH21	PH21	RD11	RD11	EC10	New WQ: KB	Old WQ: RAP			Renewal Signoff: WC
Lab Water Control	24.3		7.70		7.6	318	10	10	10	10	Date: 1/17/18 Termination Time: 1012
100%	24.3		7.78		6.8	423	8	4	7	7	Termination Signoff: RB6
Meter ID	99A		PH19		RD10	ECR					

Fathead Minnow Dry Weight Data Sheet

Client: Ventura County Water Protection District Test ID #: 76376 Project #: 27911
 Test Material: MO-OJA Tare Weight Date: 1/13/18 Sign-off: SSB
 Test Date: 1/10/18 Final Weight Date: 1/15/18 Sign-off: RAIP

Pan ID	Treatment Replicate	Initial Pan Weight (mg)	Final Pan Weight (mg)	Initial # of Organisms	Biomass Value (mg)
1	Lab Water A	412.86	422.64	10	0.978
2	Control B	409.52	420.01	10	1.05
3	C	410.70	420.68	10	0.990
4	D	408.96	419.21	10	1.03
9	100% A	404.68	409.56	10	0.488
10	B	407.77	409.06	10	0.129
11	C	415.66	419.50	10	0.384
12	D	403.79	406.60	10	0.281
QA1		416.56	416.57		
Balance ID:		B ₁₀₄	Bal04		

CETIS Analytical Report

Report Date: 23 Jan-18 13:42 (p 3 of 10)

Test Code: VCWPD_0110_PP | 18-4191-6338

Chronic Larval Fish Survival and Growth Test				Pacific EcoRisk
Analysis ID: 01-9296-1538	Endpoint: 7d Survival Rate	CETIS Version: CETISv1.9.2		
Analyzed: 23 Jan-18 13:41	Analysis: Parametric-Two Sample	Official Results: Yes		
Data Transform	Alt Hyp	Comparison Result	PMSD	
Angular (Corrected)	C > T	MO-MEI failed 7d survival rate	58.27%	

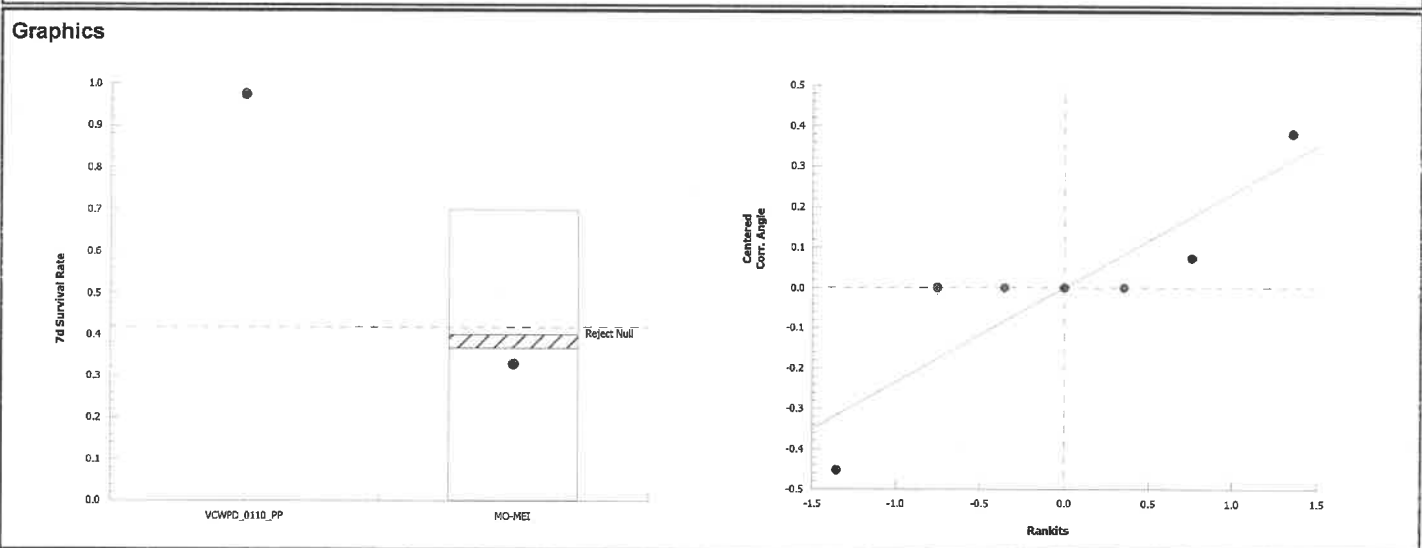
Unequal Variance t Two-Sample Test									
Sample I	vs	Sample II	Test Stat	Critical	MSD	DF	P-Type	P-Value	Decision(α:5%)
Lab Water Control		MO-MEI*	3.29	2.92	0.71	2	CDF	0.0406	Significant Effect

ANOVA Table						
Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	1.09842	1.09842	1	15.5	0.0110	Significant Effect
Error	0.354455	0.0708911	5			
Total	1.45287		6			

Distributional Tests						
Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)	
Variances	Levene Equality of Variance Test	9.63	16.3	0.0268	Equal Variances	
Variances	Mod Levene Equality of Variance Test	38.3	21.2	0.0035	Unequal Variances	
Distribution	Shapiro-Wilk W Normality Test	0.825	0.563	0.0720	Normal Distribution	

7d Survival Rate Summary											
Sample	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
VCWPD_0110_PP	LW	4	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.00%	0.00%
MO-MEI		3	0.367	0.000	1.000	0.400	0.000	0.700	0.203	95.78%	63.33%

Angular (Corrected) Transformed Summary											
Sample	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
VCWPD_0110_PP	LW	4	1.41	1.41	1.41	1.41	1.41	1.41	0	0.00%	0.00%
MO-MEI		3	0.612	-0.434	1.66	0.685	0.159	0.991	0.243	68.84%	56.69%



CETIS Analytical Report

Report Date: 23 Jan-18 13:42 (p 8 of 10)

Test Code: VCWPD_0110_PP | 18-4191-6338

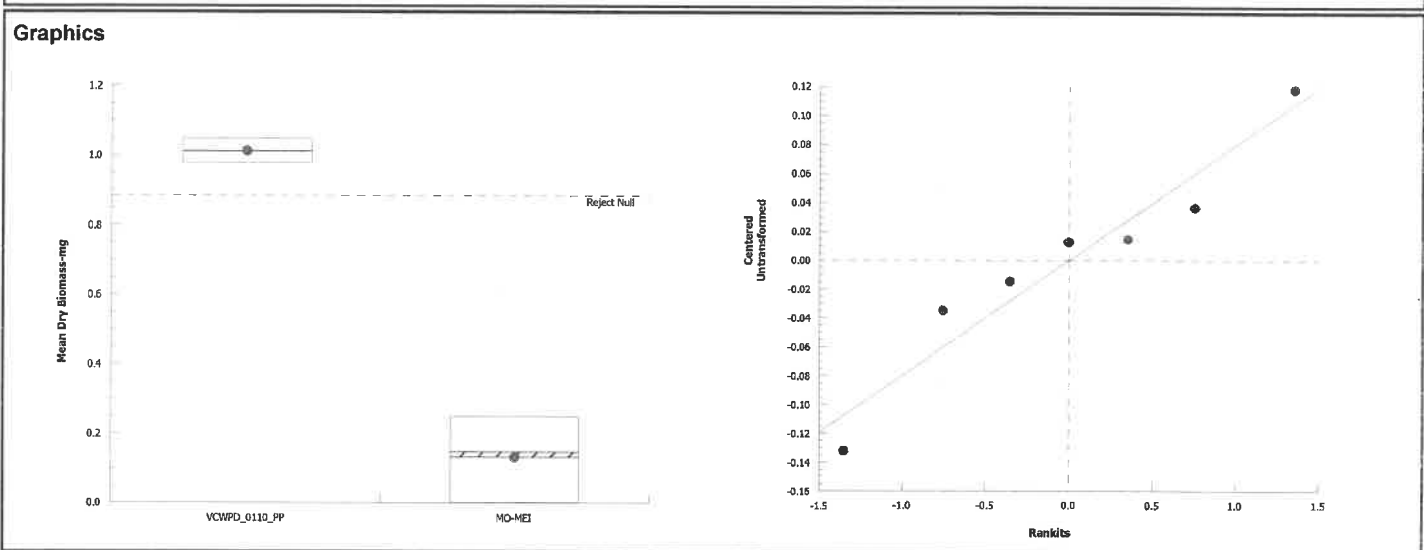
Chronic Larval Fish Survival and Growth Test				Pacific EcoRisk
Analysis ID: 12-7660-8970	Endpoint: Mean Dry Biomass-mg	CETIS Version: CETISv1.9.2		
Analyzed: 23 Jan-18 13:41	Analysis: Parametric-Two Sample	Official Results: Yes		
Data Transform	Alt Hyp	Comparison Result	PMSD	
Untransformed	C > T	MO-MEI failed mean dry biomass-mg	12.62%	

Equal Variance t Two-Sample Test									
Sample I	vs	Sample II	Test Stat	Critical	MSD	DF	P-Type	P-Value	Decision(α:5%)
Lab Water Control		MO-MEI*	13.9	2.02	0.128	5	CDF	1.7E-05	Significant Effect

ANOVA Table						
Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	1.32805	1.32805	1	193	3.5E-05	Significant Effect
Error	0.0344617	0.0068923	5			
Total	1.36251		6			

Distributional Tests						
Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)	
Variances	Variance Ratio F Test	16.4	49.8	0.0485	Equal Variances	
Distribution	Shapiro-Wilk W Normality Test	0.955	0.563	0.7743	Normal Distribution	

Mean Dry Biomass-mg Summary											
Sample	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
VCWPD_0110_PP	LW	4	1.01	0.963	1.06	1.01	0.978	1.05	0.0155	3.06%	0.00%
MO-MEI		3	0.132	-0.18	0.444	0.147	0	0.25	0.0725	94.94%	86.93%



7 Day Chronic Fathead Minnow Toxicity Test Data

Client: Ventura County Water Protection District
 Test Material: MO-MEI
 Test ID#: 76377 Project #: 27911
 Test Date: 1/10/18 Randomization: 4.66

Organism Log#: 10722 Age: <48hr
 Organism Supplier: Aquatox
 Control: EPAMH
 Control Water Batch: 2043

Test Treatment	Temp (°C)	pH		D.O. (mg/L)		Conductivity (µS/cm)	# Live Organisms				SIGN-OFF
		new	old	new	old		A	B	C	D	
Lab Water Control	25.0	7.95		8.4		283	10	10	10	10	Date: 1/10/18 Test Solution Prep: <u>SR</u>
100%	25.0	7.45		7.6		592	10	10	10	10	Sample ID: 48477 Initiation Time: 1854
Meter ID	38A	PH19		RD01		EC08	New WQ: TA				Initiation Signoff: <u>76</u>
Lab Water Control	25.1	7.83	7.53	9.0	5.9	315	10	10	10	10	Date: 1/11/18 Test Solution Prep: <u>SR</u>
100%	25.1	7.22	7.56	6.5	6.4	601	10	10	10	9	Sample ID: 48477 Renewal Time: 1630
Meter ID	98A	PH19	PH23	RD10	RD09	EC11	New WQ: TF	Old WQ: <u>78</u>			Renewal Signoff: <u>TK</u>
Lab Water Control	24.6	8.10	8.06	8.7	8.1	284	10	10	10	10	Date: 1/12/18 Test Solution Prep: <u>SD</u>
100%	24.8	7.22	7.09	4.8	5.0	617	10	10	10	9	Sample ID: 48477 Renewal Time: 1430
Meter ID	98A	PH19	PH19	RD12	RD11	EC12	New WQ: <u>UA</u>	Old WQ: <u>UA</u>			Renewal Signoff: <u>48477 EP</u>
Lab Water Control	24.9	7.93	7.73	9.3	8.4	287	10	10	10	10	Date: 1/13/18 Test Solution Prep: <u>EP</u>
100%	24.8	6.89	7.71	5.1	5.9	641	-	9	9	8	Sample ID: 48477 Renewal Time: 1130
Meter ID	81A	PH19	PH21	RD10	RD12	EC12	New WQ: <u>LZ</u>	Old WQ: <u>LZ</u>			Renewal Signoff: <u>TK</u>
Lab Water Control	24.1	8.10	7.72	8.4	8.1	299	10	10	10	10	Date: 1/14/18 Test Solution Prep: <u>SD</u>
100%	23.6	6.84	7.56	7.0	3.8	646	-	8	6	5	Sample ID: 48477 Renewal Time: 1515
Meter ID	40A	PH23	PH19	RD11	RD10	EC10	New WQ: <u>FT</u>	Old WQ: <u>LZ</u>			Renewal Signoff: <u>CD</u>
Lab Water Control	24.0	8.16	7.84	8.6	7.9	287	10	10	10	10	Date: 1/15/18 Test Solution Prep: <u>SD</u>
100%	23.6	6.74	7.43	4.9	2.8	649	-	8	6	3	Sample ID: 48477 Renewal Time: 1300
Meter ID	58A	PH21	PH23	RD11	RD12	EC11	New WQ: <u>RAP</u>	Old WQ: <u>RAP</u>			Renewal Signoff: <u>JL</u>
Lab Water Control	24.1	8.03	7.77	7.2	7.4	285	10	10	10	10	Date: 1/16/18 Test Solution Prep: <u>W</u>
100%	24.0	6.46	7.85	4.7	5.7	638	-	7	4	1	Sample ID: 48477 Renewal Time: 1435
Meter ID	98A	PH21	PH21	RD11	RD11	EC10	New WQ: <u>K6</u>	Old WQ: <u>RAP</u>			Renewal Signoff: <u>WL</u>
Lab Water Control	24.3		7.70		7.6	318	10	10	10	10	Date: 1/17/18 Termination Time: 1012
100%	24.4		7.66		4.3	702	-	7	4	0	Termination Signoff: <u>R6</u>
Meter ID	99A	PH19		RD10		EC12					

* replicate spilled, exclude from data
 Ventura Countywide Stormwater Quality Management Program 2017/18 Annual Report

Fathead Minnow Dry Weight Data Sheet

Client: Ventura County Water Protection District Test ID #: 76377 Project #: 27911
 Test Material: MO-MEI Tare Weight Date: 1/13/18 Sign-off: STB
 Test Date: 1/10/18 Final Weight Date: 1/18/18 Sign-off: RAP

Pan ID	Treatment	Replicate	Initial Pan Weight (mg)	Final Pan Weight (mg)	Initial # of Organisms	Biomass Value (mg)
1	Lab Water	A	412.86	422.64	10	0.978
2	Control	B	409.52	420.01	10	1.05
3		C	410.70	420.68	10	0.998
4		D	408.96	419.21	10	1.03
13	100%	A	407.52	—	—	—
14		B	418.07	420.57	10	0.250
15		C	410.65	412.12	10	0.147
16		D	417.30	—	10	—
QA2			411.92	411.89		
Balance ID:			B8104	Ba104		

CETIS Analytical Report

Report Date: 23 Jan-18 13:42 (p 4 of 10)

Test Code: VCWPD_0110_PP | 18-4191-6338

Chronic Larval Fish Survival and Growth Test				Pacific EcoRisk
Analysis ID: 13-4595-3620	Endpoint: 7d Survival Rate	CETIS Version: CETISv1.9.2		
Analyzed: 23 Jan-18 13:41	Analysis: Nonparametric-Two Sample	Official Results: Yes		
Data Transform	Alt Hyp	Comparison Result	PMSD	
Angular (Corrected)	C > T	MO-OXN failed 7d survival rate	5.10%	

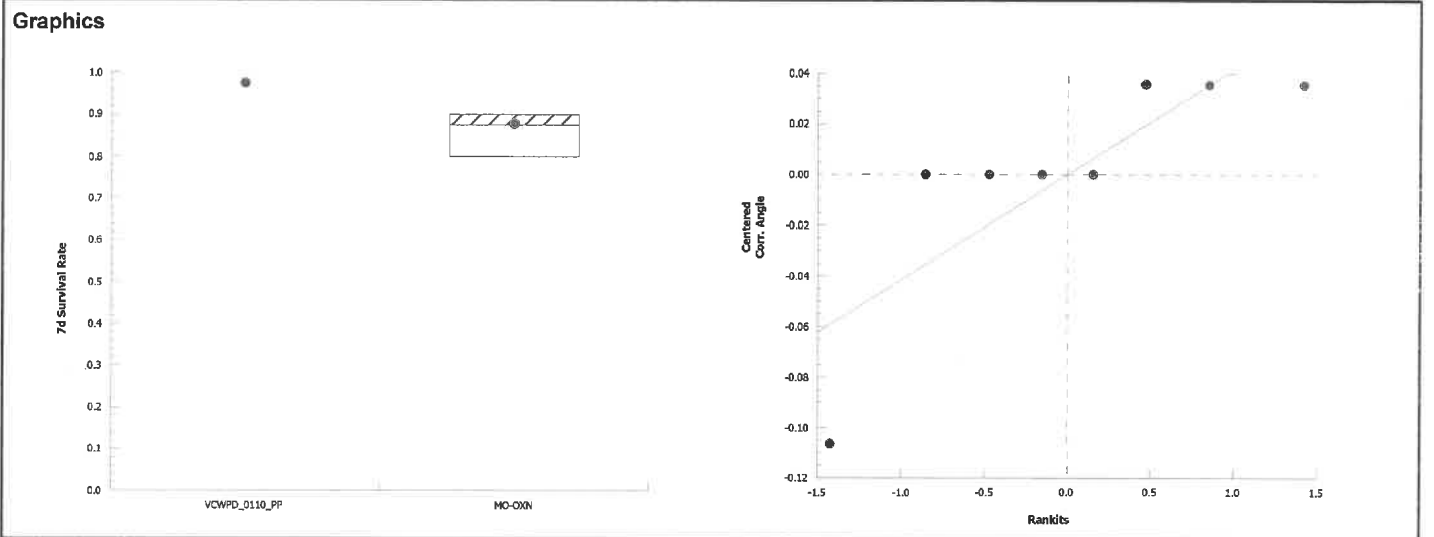
Wilcoxon Rank Sum Two-Sample Test									
Sample I	vs	Sample II	Test Stat	Critical	Ties	DF	P-Type	P-Value	Decision(α:5%)
Lab Water Control		MO-OXN*	10	n/a	0	6	Exact	0.0143	Significant Effect

ANOVA Table						
Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.0787605	0.0787605	1	31.3	0.0014	Significant Effect
Error	0.0151011	0.0025169	6			
Total	0.0938616		7			

Distributional Tests						
Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)	
Variances	Levene Equality of Variance Test	9	13.7	0.0240	Equal Variances	
Variances	Mod Levene Equality of Variance Test	1	13.7	0.3559	Equal Variances	
Distribution	Shapiro-Wilk W Normality Test	0.706	0.645	0.0027	Non-Normal Distribution	

7d Survival Rate Summary											
Sample	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
VCWPD_0110_PP	LW	4	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.00%	0.00%
MO-OXN		4	0.875	0.795	0.955	0.900	0.800	0.900	0.025	5.71%	12.50%

Angular (Corrected) Transformed Summary											
Sample	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
VCWPD_0110_PP	LW	4	1.41	1.41	1.41	1.41	1.41	1.41	0	0.00%	0.00%
MO-OXN		4	1.21	1.1	1.33	1.25	1.11	1.25	0.0355	5.85%	14.05%



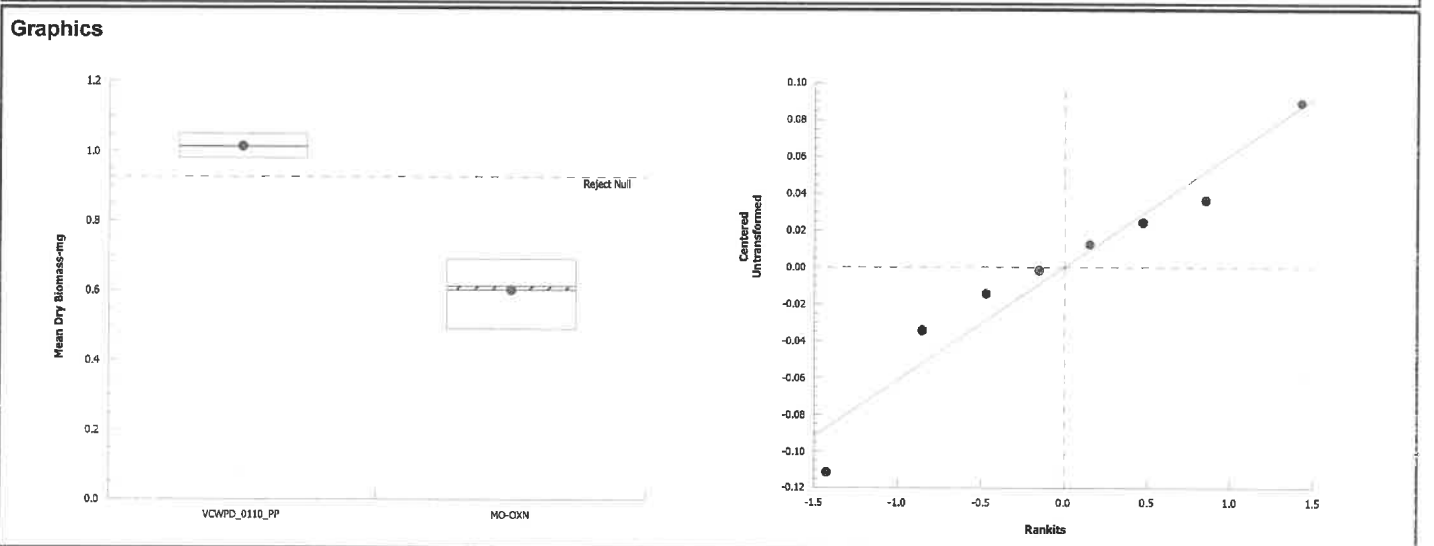
Chronic Larval Fish Survival and Growth Test				Pacific EcoRisk
Analysis ID: 14-1753-9085	Endpoint: Mean Dry Biomass-mg	CETIS Version: CETISv1.9.2		
Analyzed: 23 Jan-18 13:41	Analysis: Parametric-Two Sample	Official Results: Yes		
Data Transform	Alt Hyp	Comparison Result	PMSD	
Untransformed	C > T	MO-OXN failed mean dry biomass-mg	8.57%	

Equal Variance t Two-Sample Test									
Sample I	vs	Sample II	Test Stat	Critical	MSD	DF	P-Type	P-Value	Decision(α:5%)
Lab Water Control		MO-OXN*	9.2	1.94	0.087	6	CDF	4.7E-05	Significant Effect

ANOVA Table						
Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.337433	0.337433	1	84.6	9.3E-05	Significant Effect
Error	0.0239339	0.003989	6			
Total	0.361367		7			

Distributional Tests						
Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)	
Variances	Variance Ratio F Test	7.28	47.5	0.1371	Equal Variances	
Distribution	Shapiro-Wilk W Normality Test	0.961	0.645	0.8204	Normal Distribution	

Mean Dry Biomass-mg Summary											
Sample	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
VCWPD_0110_PP	LW	4	1.01	0.963	1.06	1.01	0.978	1.05	0.0155	3.06%	0.00%
MO-OXN		4	0.602	0.468	0.735	0.613	0.49	0.691	0.0419	13.92%	40.57%



7 Day Chronic Fathead Minnow Toxicity Test Data

Client: Ventura County Water Protection District Organism Log#: 10722 Age: 248 hr
 Test Material: MO-OXN Organism Supplier: A9 latex
 Test ID#: 76378 Project #: 27911 Control: EPAMH
 Test Date: 1/14/18 Randomization: 4.6.10 Control Water Batch: 2093

Test Treatment	Temp (°C)	pH		D.O. (mg/L)		Conductivity (µS/cm)	# Live Organisms				SIGN-OFF
		new	old	new	old		A	B	C	D	
Lab Water Control	25.0	7.95		8.4		283	10	10	10	10	Date: 1/10/18 Test Solution Prep: SF
100%	24.6	7.38		8.8		242	10	10	10	10	Sample ID: 48479 Initiation Time: 1854
Meter ID	58A	PH19		RD09		EC08	New WQ: TA				Initiation Signoff: RL
Lab Water Control	25.1	7.83	7.53	9.0	5.9	315	10	10	10	10	Date: 1/14/18 Test Solution Prep: SF
100%	24.9	7.20	7.22	10.1	6.5	242	10	10	9	10	Sample ID: 48479 Renewal Time: 1630
Meter ID	98A	PH19	PH23	RD10	RD09	EC11	New WQ: TF		Old WQ: 74		Renewal Signoff: TK
Lab Water Control	24.6	8.10	8.06	8.7	8.1	284	10	10	10	10	Date: 1/12/18 Test Solution Prep: SD
100%	24.9	7.02	7.34	8.9	6.3	237	10	10	9	10	Sample ID: 48479 Renewal Time: 1430
Meter ID	98A	PH19	PH19	RD12	RD11	EC12	New WQ: 1A		Old WQ: 1A		Renewal Signoff: EP
Lab Water Control	24.9	7.93	7.73	9.3	8.4	287	10	10	10	10	Date: 1/13/18 Test Solution Prep: EP
100%	24.8	6.75	7.33	7.7	7.9	242	10	9	9	10	Sample ID: 48479 Renewal Time: 1130
Meter ID	81A	PH19	PH21	RD10	RD12	EC12	New WQ: LZ		Old WQ: LZ		Renewal Signoff: TK
Lab Water Control	24.1	8.10	7.72	8.4	8.1	299	10	10	10	10	Date: 1/14/18 Test Solution Prep: SD
100%	24.0	6.93	7.25	6.9	6.2	242	10	8	9	10	Sample ID: 48479 Renewal Time: 1515
Meter ID	40A	PH23	PH19	RD11	RD10	EC10	New WQ: FT		Old WQ: LZ		Renewal Signoff: CO
Lab Water Control	24.0	8.16	7.84	8.6	7.9	287	10	10	10	10	Date: 1/15/18 Test Solution Prep: JO
100%	24.0	7.29	7.38	7.7	7.5	247	10	8	9	9	Sample ID: 48479 Renewal Time: 1300
Meter ID	58A	CH21	CH23	RD11	RD12	EC11	New WQ: RAP		Old WQ: RAP		Renewal Signoff: JL
Lab Water Control	24.1	8.03	7.77	7.2	7.4	285	10	10	10	10	Date: 1/16/18 Test Solution Prep: 2/
100%	23.4	6.72	7.41	8.0	5.8	245	10	8	9	9	Sample ID: 48479 Renewal Time: 1435
Meter ID	98A	PH21	PH21	RD11	RD11	EC10	New WQ: KL		Old WQ: RAP		Renewal Signoff: WL
Lab Water Control	24.3		7.70		7.6	318	10	10	10	10	Date: 1/17/18 Termination Time: 1012
100%	24.2		7.37		6.0	281	9	8	9	9	Termination Signoff: RL
Meter ID	99A		PH19		RD10	EC12			Old WQ: KL		

Fathead Minnow Dry Weight Data Sheet

Client: Ventura County Water Protection District Test ID #: 76378 Project #: 27911
 Test Material: MO-OXN Tare Weight Date: 1/13/18 Sign-off: SDM
 Test Date: 1/10/18 Final Weight Date: 1/18/18 Sign-off: RAP

Pan ID	Treatment	Replicate	Initial Pan Weight (mg)	Final Pan Weight (mg)	Initial # of Organisms	Biomass Value (mg)
1	Lab Water	A	412.86	422.64	10	0.978
2	Control	B	409.52	420.01	10	1.05
3		C	410.70	420.68	10	0.998
4		D	408.96	419.21	10	1.03
17	100%	A	411.57	417.83	10	0.624
18		B	408.89	413.79	10	0.490
19		C	404.21	411.12	10	0.691
20		D	417.11	423.11	10	0.600
QA2			411.92	411.89		
Balance ID:			Bal04	Bal04		

CETIS Analytical Report

Report Date: 23 Jan-18 13:42 (p 5 of 10)

Test Code: VCWPD_0110_PP | 18-4191-6338

Chronic Larval Fish Survival and Growth Test						Pacific EcoRisk	
Analysis ID:	19-5274-5468	Endpoint:	7d Survival Rate	CETIS Version:	CETISv1.9.2		
Analyzed:	23 Jan-18 13:41	Analysis:	Parametric-Two Sample	Official Results:	Yes		
Data Transform	Alt Hyp	Comparison Result				PMSD	
Angular (Corrected)	C > T	MO-SPA passed 7d survival rate				16.00%	

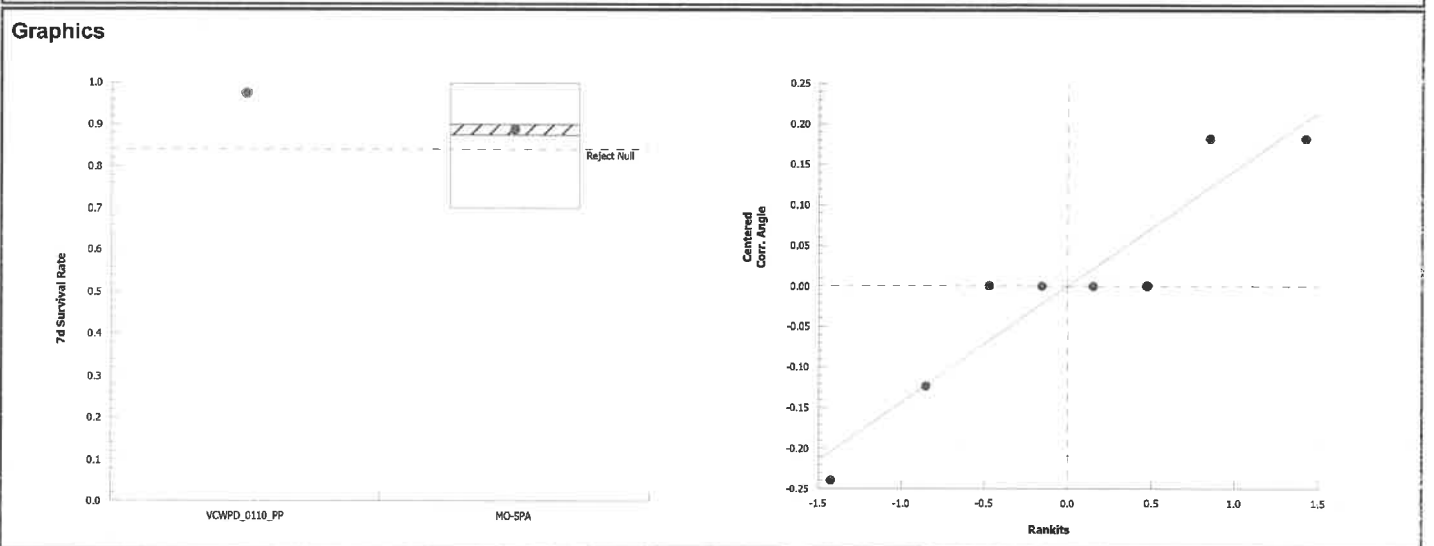
Unequal Variance t Two-Sample Test									
Sample I	vs	Sample II	Test Stat	Critical	MSD	DF	P-Type	P-Value	Decision(α:5%)
Lab Water Control		MO-SPA	1.69	2.35	0.253	3	CDF	0.0949	Non-Significant Effect

ANOVA Table						
Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.0658349	0.0658349	1	2.85	0.1421	Non-Significant Effect
Error	0.138397	0.0230662	6			
Total	0.204232		7			

Distributional Tests						
Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)	
Variances	Levene Equality of Variance Test	58.7	13.7	2.6E-04	Unequal Variances	
Variances	Mod Levene Equality of Variance Test	39.1	13.7	7.7E-04	Unequal Variances	
Distribution	Shapiro-Wilk W Normality Test	0.891	0.645	0.2370	Normal Distribution	

7d Survival Rate Summary											
Sample	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
VCWPD_0110_PP	LW	4	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.00%	0.00%
MO-SPA		4	0.875	0.636	1.000	0.900	0.700	1.000	0.075	17.14%	12.50%

Angular (Corrected) Transformed Summary											
Sample	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
VCWPD_0110_PP	LW	4	1.41	1.41	1.41	1.41	1.41	1.41	0	0.00%	0.00%
MO-SPA		4	1.23	0.889	1.57	1.26	0.991	1.41	0.107	17.45%	12.85%



CETIS Analytical Report

Report Date: 23 Jan-18 13:48 (p 2 of 2)

Test Code: VCWPD_0110_PP | 18-4191-6338

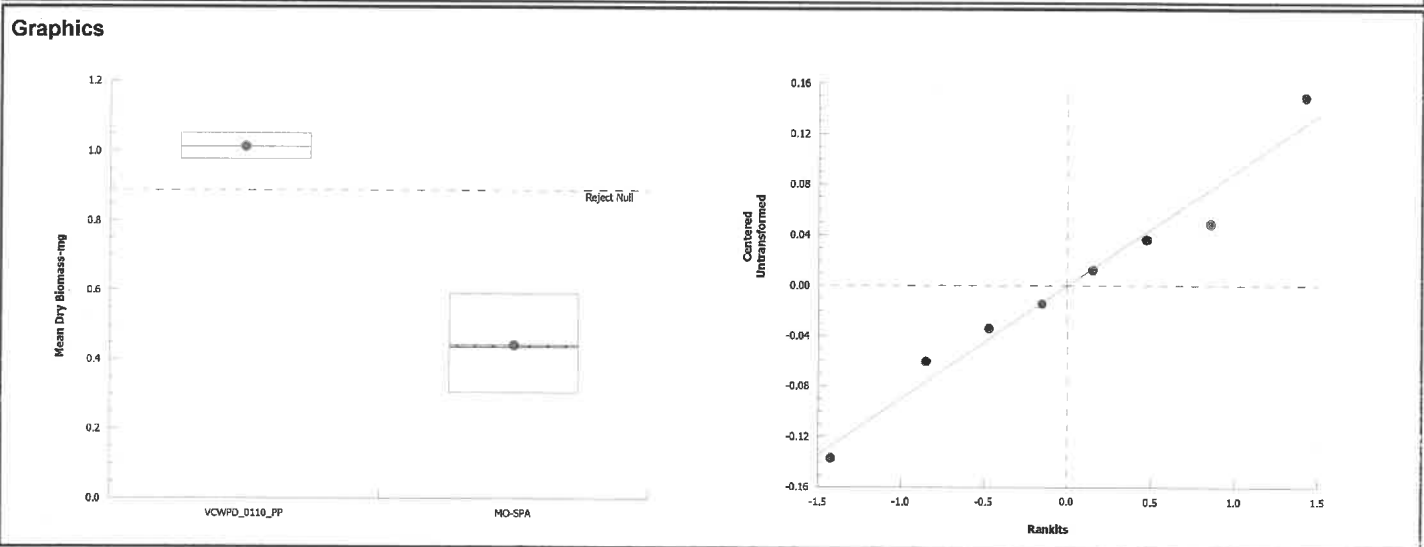
Chronic Larval Fish Survival and Growth Test				Pacific EcoRisk
Analysis ID: 13-2261-9250	Endpoint: Mean Dry Biomass-mg	CETIS Version: CETISv1.9.2		
Analyzed: 23 Jan-18 13:47	Analysis: Parametric-Two Sample	Official Results: Yes		
Data Transform	Alt Hyp	Comparison Result	PMSD	
Untransformed	C > T	MO-SPA failed mean dry biomass-mg	12.37%	

Equal Variance t Two-Sample Test									
Sample I	vs	Sample II	Test Stat	Critical	MSD	DF	P-Type	P-Value	Decision(α:5%)
Lab Water Control		MO-SPA*	8.85	1.94	0.125	6	CDF	5.8E-05	Significant Effect

ANOVA Table						
Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.65037	0.65037	1	78.3	1.2E-04	Significant Effect
Error	0.0498593	0.0083099	6			
Total	0.700229		7			

Distributional Tests					
Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Variance Ratio F Test	16.3	47.5	0.0465	Equal Variances
Distribution	Shapiro-Wilk W Normality Test	0.984	0.645	0.9794	Normal Distribution

Mean Dry Biomass-mg Summary											
Sample	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
VCWPD_0110_PP	LW	4	1.01	0.963	1.06	1.01	0.978	1.05	0.0155	3.06%	0.00%
MO-SPA		4	0.442	0.243	0.641	0.437	0.305	0.591	0.0626	28.29%	56.32%



7 Day Chronic Fathead Minnow Toxicity Test Data

Client: Ventura County Water Protection District
 Test Material: MO-SPA
 Test ID#: 76379 Project #: 27911
 Test Date: 1/10/18 Randomization: 466

Organism Log#: 10722 Age: C 48hr
 Organism Supplier: NY Catfish
 Control: EPAMH
 Control Water Batch: 2043

Test Treatment	Temp (°C)	pH		D.O. (mg/L)		Conductivity (µS/cm)	# Live Organisms				SIGN-OFF
		new	old	new	old		A	B	C	D	
Lab Water Control	25.0	7.95		8.4		283	10	10	10	10	Date: 1/10/18 Test Solution Prep: SF
100%	25.1	7.39		9.2		193	10	10	10	10	Sample ID: 48485 Initiation Time: 1854
Meter ID	58A	PH19		RD09		EC08	New WQ: TA				Initiation Signoff: RC
Lab Water Control	25.1	7.83	7.53	9.0	5.9	315	10	10	10	10	Date: 1/11/18 Test Solution Prep: SF
100%	25.1	7.27	7.21	10.4	6.3	195	10	10	9	10	Sample ID: 48485 Renewal Time: 1630
Meter ID	98A	PH19	PH23	RD10	RD09	EC11	New WQ: TF		Old WQ: TF	1/11/18	Renewal Signoff: TK
Lab Water Control	24.6	8.10	8.06	8.7	8.1	284	10	10	10	10	Date: 1/12/18 Test Solution Prep: SD
100%	24.8	7.14	7.59	8.7	7.1	190	10	10	9	10	Sample ID: 48485 Renewal Time: 1430
Meter ID	98A	PH19	PH19	RD12	RD11	EC12	New WQ: CA		Old WQ: CA		Renewal Signoff: EP
Lab Water Control	24.9	7.93	7.73	9.3	8.4	287	10	10	10	10	Date: 1/13/18 Test Solution Prep: EP
100%	24.7	6.72	7.35	6.2	7.7	194	10	10	8	10	Sample ID: 48485 Renewal Time: 1130
Meter ID	81A	PH19	PH21	RD10	RD12	EC12	New WQ: LT		Old WQ: LT		Renewal Signoff: TK
Lab Water Control	24.1	8.10	7.72	8.4	8.1	299	10	10	10	10	Date: 1/14/18 Test Solution Prep: SD
100%	23.6	6.81	7.34	6.9	6.4	194	10	10	8	9	Sample ID: 48485 Renewal Time: 1515
Meter ID	40A	PH23	PH19	RD11	RD10	EC10	New WQ: FT		Old WQ: LT		Renewal Signoff: CO
Lab Water Control	24.0	8.16	7.84	8.6	7.9	287	10	10	10	10	Date: 1/15/18 Test Solution Prep: JP
100%	24.0	6.89	7.40	7.8	7.5	199	10	10	8	7	Sample ID: 48485 Renewal Time: 1300
Meter ID	58A	PH21	PH23	RD11	RD12	EC11	New WQ: RAP		Old WQ: RAP		Renewal Signoff: JL
Lab Water Control	24.1	8.05	7.77	7.2	7.4	285	10	10	10	10	Date: 1/16/18 Test Solution Prep: Z
100%	23.4	6.70	7.53	8.0	6.3	197	10	10	8	7	Sample ID: 48485 Renewal Time: 1435
Meter ID	98A	PH21	PH21	RD11	RD11	EC10	New WQ: KB		Old WQ: RAP		Renewal Signoff: WC
Lab Water Control	24.3		7.70		7.6	318	10	10	10	10	Date: 1/17/18 Termination Time: 1012
100%	24.0		7.40		7.0	223	10	10	8	7	Termination Signoff: RB
Meter ID	99A		PH19		RD16	EC12			Old WQ: KL		

Fathead Minnow Dry Weight Data Sheet

Client: Ventura County Water Protection District Test ID #: 76379 Project #: 27911
 Test Material: MO-SPA Tare Weight Date: 11/3/18 Sign-off: SDTB
 Test Date: 11/10/18 Final Weight Date: 11/8/18 Sign-off: RAF

Pan ID	Treatment Replicate	Initial Pan Weight (mg)	Final Pan Weight (mg)	Initial # of Organisms	Biomass Value (mg)
1	Lab Water A	412.86	422.64	10	0.978
2	Control B	409.52	420.01	10	1.05
3	C	410.70	420.68	10	0.998
4	D	408.96	419.21	10	1.03
21	100% A	413.15	419.06	10	0.591
22	B	399.50	404.41	10	0.491
23	C	399.77	402.82	10	0.305
24	D	414.53	418.35	10	0.382
QA2		411.92	411.89		
Balance ID:		Be104	Be104		

Appendix J. Dry-Weather Analytical Monitoring Results

	Site ID	Port Hueneme-3	Unincorporated-4	Camarillo-1	Fillmore-1
		DRY-HUE3	DRY-UNI4	MO-CAM	MO-FIL
	At Major Outfall?	No	No	Yes	Yes
	Location	Bubbling Springs @ RR xing	Arroyo Santa Rosa at Box Canyon confluence	Camarillo Hills Drain	North Fillmore Drain
	Date	08/20/18	08/21/18	08/21/18	08/20/18
	Time	14:30	10:10	7:40	11:20
Site Description	Conveyence Type	Natural channel	Box culvert	Box culvert	Box culvert
	Dimensions	N/A	N/A	8' x 24'	N/A
	Dominant Land Use	Commercial & residential	Residential & rural	Commercial & residential	Residential
	Site Elevation	0	250	100	430
Weather	Weather	Partly cloudy	Partly Cloudy	Overcast	Clear
	Wind Condtion	Calm	Calm	Calm	Calm
	Air Temp. (°C)	28	24	22	32
Trash	Trash (general area)	Light	None	Light	None
	Trash (stream banks)	Light	Light	Light	Light
Observations	Water Clarity	Clear	Clear	Clear	Clear
	Water Color	Gray	Clear	Yellow	Clear
	Odors	None	None	None	None
	Floatables	Oily sheen	None	Other	None
	Foam	None	None	None	None
	Stains/ deposits	None	None	None	None
	Structural condition	Natural channel	Concrete channel	Concrete channel	Rip rap with concrete bottom to natural bottom
	Vegetation Condition	Maintained grass/park	Grasses in soft bottom section	Small herbaceous growth in expansion joints	Grasses, macrophytes
	Biology	>100 ducks in area plus Canadian Geese and other birds	None	Aquatic snails	Aquatic snails
	Algae (suspended)	None	Green 5%	Green 1%	Green 80%
	Algae (substrate)	None	Green 50%	Green 50%	Green 50%
Water Chemistry (Field)	Dissolved Oxygen (%)	2.3	166.3	109.0	197.0
	Dissolved Oxygen (mg/L)	0.15	13.39	9.26	15.52
	Conductivity (µS)	11040	1479	2654	1615
	Specific Conductance (µS)	10180	1478	2743	1517
	Salinity (ppt)	5.6	0.7	1.4	0.8
	Water Temp. (°C)	28.3	25.7	23.4	28.4
	Water Temp. (°F)	82.9	78.3	74.1	83.1
	pH	7.39	9.53	8.32	8.5
Water Chemistry (Lab)	Turbidity (NTU)	40.23	4.84	52.47	2.67
	Total Organic Carbon (mg/L)	7.5	16	55	4.7
	Total Hardness as CaCO ₃ (mg/L)	1,940	502	851	619
	Total Calcium (mg/L)	360	81.4	225	162
	Total Magnesium (mg/L)	252	72.5	70.4	52.0
	Dissolved Copper (µg/L)	<0.13	6.6	14	5.3
	Dissolved Lead (µg/L)	<0.031	<0.031	0.24	0.035 (DNQ)
	Dissolved Zinc (µg/L)	1.3 (DNQ)	2.9 (DNQ)	9.3	2.5 (DNQ)
	Total Coliform (MPN/100 mL)	155,310	>2,419,600	816,400	2,098
	<i>E. coli</i> (MPN/100 mL)	30,760	4,352	19,863	218
Estimated Flow	Flow Status	Ponded	Flowing	Flowing	Flowing
	Water Width (ft.)	~25	1.5	4.0	5.0
	Water Depth (ft.)	~1-2	0.01	0.01	0.20
	Flow Velocity (ft/s)	~0	1.50	~0.1	<0.1
	Flow Rate (ft ³ /s)	~ 0	~0.02	~0.05	~0.05
	Comments	Flow is very low and surface flow seemed to be changing direction. Floatables garbage and oily sheen.	pH #1 9.52, #2 9.53	Floatables thin scum layer at choke point of channel	

	Site ID	Moorpark-1	Ojai-6	Oxnard-2	Santa Paula-4
		MO-MPK	DRY-OJA6	DRY-OXN2	DRY-SPA4
	At Major Outfall?	Yes	No	No	No
	Location	Walnut Canyon	Tributary to Fox Barranca	Stroube Drain	Richmond Rd Drain
	Date	08/21/18	08/20/18	08/20/18	08/20/18
	Time	8:40	12:25	8:40	10:40
Site Description	Conveyence Type	Box culvert	Natural channel	Natural channel	Epoxy coated metal pipe
	Dimensions	5' x 12'	N/A	N/A	1'6"
	Dominant Land Use	Commercial & residential	Residential	Commercial & residential	Residential
	Site Elevation	460	720	70	343
Weather	Weather	Overcast	Clear	Partly cloudy	Clear
	Wind Condition	Calm	Calm	Calm	Calm
	Air Temp. (°C)	23	31	24.5	30
Trash	Trash (general area)	Light	None	Moderate	None
	Trash (stream banks)	None	Moderate	Moderate	None
Observations	Water Clarity	Clear	Clear	Clear	Clear
	Water Color	Clear	Clear	Clear	Clear
	Odors	None	None	None	None
	Floatables	None	Other	None	None
	Foam	None	None	None	None
	Stains/ deposits	None	None	None	None
	Structural condition	Concrete channel	Natural channel	Concrete channel to rip rap	Pipe to concreted rip rap
	Vegetation Condition	None	Some vines including blackberry, poison oak	Duckweed	Mulefat, mint, grasses below pipe
	Biology	Aquatic snails	None	None	None
	Algae (suspended)	None	Green 5%	Green 30%	None
	Algae (substrate)	None	None	Green 40%	Green 10%
Water Chemistry (Field)	Dissolved Oxygen (%)	116.1	88.5	95.9	98.2
	Dissolved Oxygen (mg/L)	9.91	7.66	8.42	8.66
	Conductivity (µS)	1368	1313	1402	1289
	Specific Conductance (µS)	1421	1387	1475	1390
	Salinity (ppt)	0.7	0.7	0.7	0.7
	Water Temp. (°C)	23.0	22.3	22.3	21.2
	Water Temp. (°F)	73.4	72.1	72.1	70.2
	pH	8.79	8.05	8.51	7.74
	Turbidity (NTU)	5.63	12.83	2.04	0.23
Water Chemistry (Lab)	Total Organic Carbon (mg/L)	24	2.0	10	0.64
	Total Hardness as CaCO ₃ (mg/L)	253	709	573	571
	Total Calcium (mg/L)	55.0	210	150	157
	Total Magnesium (mg/L)	28.1	45.0	47.9	43.6
	Dissolved Copper (µg/L)	4.0	0.20 (DNQ)	4.0	0.20 (DNQ)
	Dissolved Lead (µg/L)	0.15 (DNQ)	<0.031	<0.031	<0.031
	Dissolved Zinc (µg/L)	3.6 (DNQ)	1.0 (DNQ)	5.3	1.1 (DNQ)
	Total Coliform (MPN/100 mL)	410,600	4,352	86,640	323
	<i>E. coli</i> (MPN/100 mL)	3,448	630	426	<10
Estimated Flow	Flow Status	Flowing	Flowing	Flowing	Flowing
	Water Width (ft.)	2.0	5.0	8.0	1.0
	Water Depth (ft.)	0.01	0.20	0.30	0.20
	Flow Velocity (ft/s)	1.00	<0.1	0.25	1.50
	Flow Rate (ft ³ /s)	~0.05	~0.1	0.60	0.30
	Comments		Floatables looks like pollen		

	Site ID	Simi Valley-1	Thousand Oaks-1	Ventura-5
		MO-SIM	MO-THO	DRY-VEN5
	At Major Outfall?	Yes	Yes	No
	Location	Bus Canyon Drain	North Fork Arroyo Conejo at Hill Canyon WWTP	Dent Drain
	Date	08/21/18	08/21/18	08/20/18
	Time	9:25	11:00	13:20
Site Description	Conveyence Type	Box culvert	Natural channel	Natural channel
	Dimensions	7' x 16'	N/A	7.5' x 20'(toe) x 35'(top)
	Dominant Land Use	Commercial & residential	Commercial, residential & rural	Residential & rural
	Site Elevation	760	280	77
Weather	Weather	Overcast	Clear	Partly cloudy
	Wind Condtion	Calm	Calm	Slight breeze
	Air Temp. (°C)	23	28	34
Trash	Trash (general area)	Light	None	Light
	Trash (stream banks)	Moderate	None	Light
Observations	Water Clarity	Clear	Clear	Clear
	Water Color	Clear	Clear	Clear
	Odors	Other	None	None
	Floatables	None	Other	None
	Foam	None	None	None
	Stains/ deposits	None	None	None
	Structural condition	Concrete channel	Rip-rap with natural bottom	Flap gate RCP to natural channel
	Vegetation Condition	None	Reeds, grasses, trees on banks	Abundant river primrose
	Biology	None	1 carp ~1.5'	None
	Algae (suspended)	Green 5%	Yellow-green 5%	None
	Algae (substrate)	Green 60% Brown 20%	Yellow-green 90%	None
Water Chemistry (Field)	Dissolved Oxygen (%)	138.5	68.3	83.3
	Dissolved Oxygen (mg/L)	11.97	6.57	6.76
	Conductivity (µS)	2641	1381	1642
	Specific Conductance (µS)	2783	1372	1614
	Salinity (ppt)	1.4	0.6	0.8
	Water Temp. (°C)	22.2	25.2	26.0
	Water Temp. (°F)	72.0	77.4	78.8
	pH	8.26	7.69	7.28
	Turbidity (NTU)	1.93	0.86	8.75
Water Chemistry (Lab)	Total Organic Carbon (mg/L)	2.7	6.7	11
	Total Hardness as CaCO ₃ (mg/L)	1,210	173	577
	Total Calcium (mg/L)	314	35.7	158
	Total Magnesium (mg/L)	103	20.5	44.4
	Dissolved Copper (µg/L)	0.51	2.2	0.46 (DNQ)
	Dissolved Lead (µg/L)	0.055 (DNQ)	0.047 (DNQ)	0.032(DNQ)
	Dissolved Zinc (µg/L)	<0.94	34	4.3 (DNQ)
	Total Coliform (MPN/100 mL)	24,196	8,664	72,700
	<i>E. coli</i> (MPN/100 mL)	228	20	1,012
Estimated Flow	Flow Status	Flowing	Flowing	Flowing
	Water Width (ft.)	4.0	12.0	12.0
	Water Depth (ft.)	0.10	1.20	~2
	Flow Velocity (ft/s)	~1.5	<0.01	<0.1
	Flow Rate (ft ³ /s)	~0.75	~0.1	~0.1
	Comments	Urine odor.	Floatables leaves.	

Appendix K. Formulas for WQO determination

BASIN PLAN and CALIFORNIA TOXICS RULE OBJECTIVES: FORMULAS

AMMONIA (BASIN PLAN)

Basin Plan Ammonia Objective formula selection is based on wet or dry event, COLD/MIGR designation status, early life stages (ELS) status, and salinity.

See the flow charts below to determine which formula to use:

Basin Plan NH3-N Objectives for Wet Weather

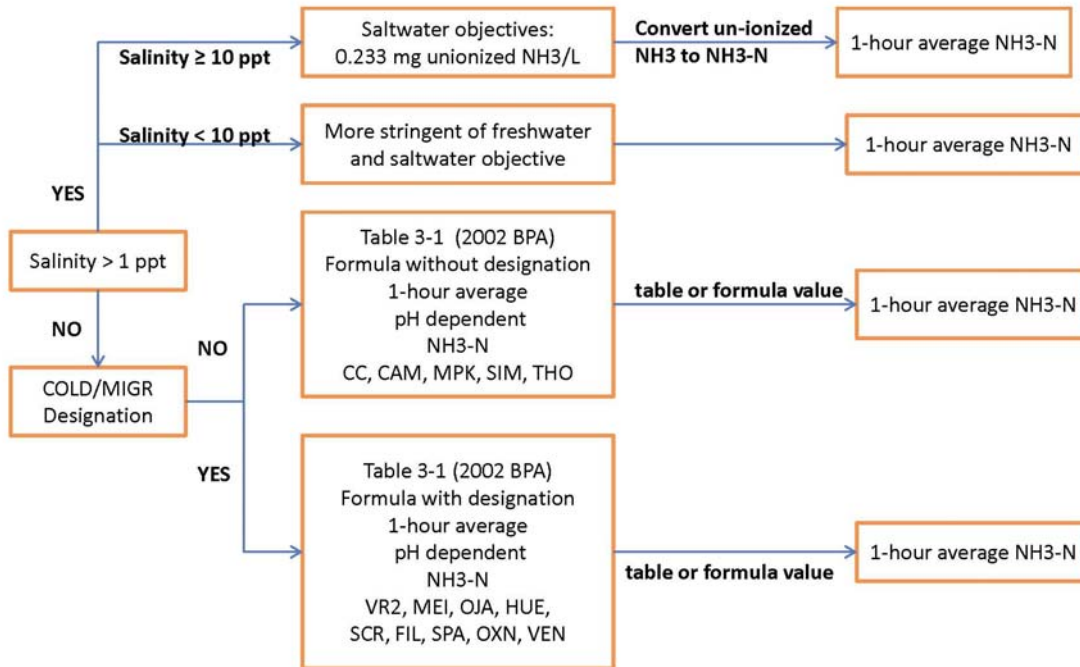


Table 3-1: One hour Average Objective for Ammonia-N for Freshwaters (mg N/L)

COLD and/or MIGR:

$$= \frac{0.275}{1 + 10^{7.204 - pH}} + \frac{39.0}{1 + 10^{pH - 7.204}}$$

NOT COLD and/or MIGR:

$$= \frac{0.411}{1 + 10^{7.204 - pH}} + \frac{58.4}{1 + 10^{pH - 7.204}}$$

Saltwater 1-hour objective for Ammonia-N

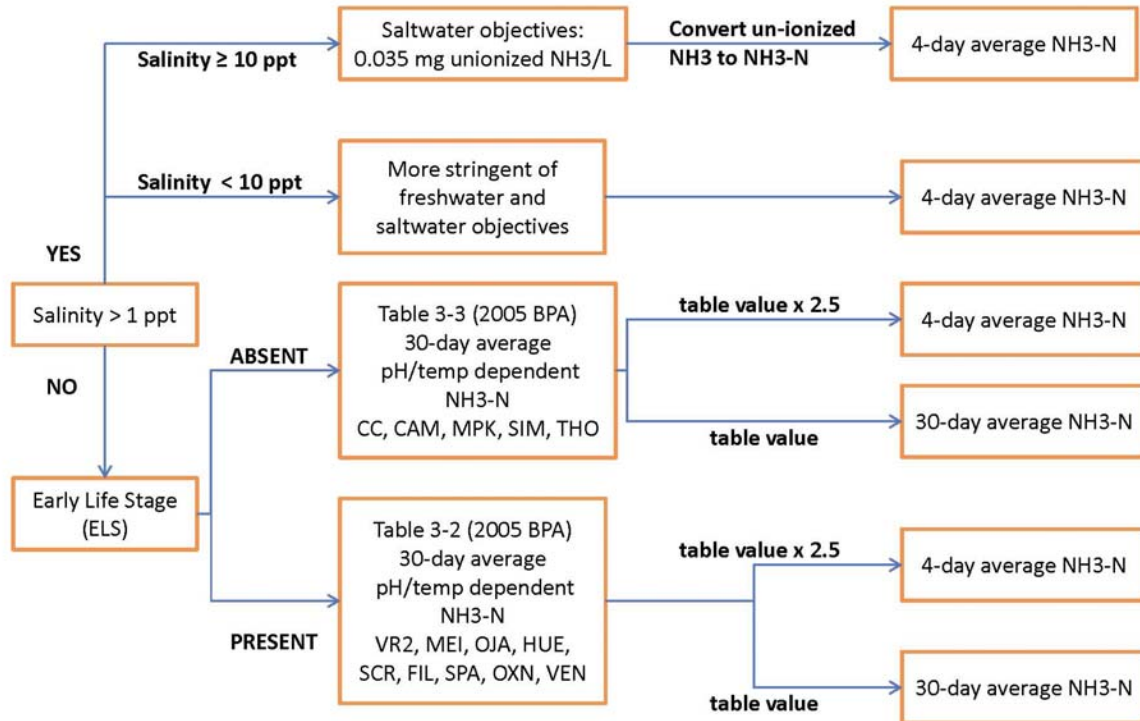
$$= 0.233 * \left(1 + 10^{\left[\left(9.245 + 0.116 * \frac{19.9273 * S}{1000 - 1.005109 * S}\right) + 0.0324(298 - T) + \frac{(0.0415)P}{T} - pH\right]}\right)$$

Where T= temperature expressed in °K (Note: Kelvin = Celsius + 273)

S = salinity (ppt)

P = pressure (assumed to be 1 atm)

Basin Plan NH3-N Objectives for Dry Weather



BPA 2005 p15-11 "Implementation actions to achieve applicable ammonia objectives must implement downstream objectives."
 NH3-N = NH3 x 0.822 4 day average objective = 2.5 x 30-day average objective

Table 3-2: 30-Day Average Objective for Ammonia-N for Freshwaters Applicable to Waters Subject to the “Early Life Stage Present” Condition (mg N/L)

$$= \left(\frac{0.0577}{1 + 10^{7.688 - pH}} + \frac{2.487}{1 + 10^{pH - 7.688}} \right) * \text{MIN}(2.85, 1.45 * 10^{0.028 * (25 - T)})$$

Where T= temperature expressed in °C.

Highest four-day average within the 30-day period shall not exceed 2.5 times the 30-day average objective as calculated above.

Table 3-3: 30-Day Average Objective for Ammonia-N for Freshwaters Applicable to Waters Subject to the “Early Life Stage Absent” Condition (mg N/L)

$$= \left(\frac{0.0577}{1 + 10^{7.688 - pH}} + \frac{2.487}{1 + 10^{pH - 7.688}} \right) * 1.45 * 10^{0.028 * (25 - \text{MAX}(T, 7))}$$

Where T= temperature expressed in °C.

Highest four-day average within the 30-day period shall not exceed 2.5 times the 30-day average objective as calculated above.

Saltwater 4-day objective for Ammonia-N

$$= 0.035 * (1 + 10^{\left[\left(9.245 + 0.116 * \frac{19.9273 * S}{1000 - 1.005109 * S} \right) + 0.0324(298 - T) + \frac{(0.0415)P}{T} - pH \right]})$$

Where T= temperature expressed in °K (Note: Kelvin = Celsius + 273)

S = salinity (ppt)

P = pressure (assumed to be 1 atm)

PENTACHLOROPHENOL (CTR)

$$CMC = \exp(1.005(pH) - 4.869)$$

$$CCC = \exp(1.005(pH) - 5.134)$$

METALS (CTR)

[cadmium, chromium, copper, lead, nickel, silver, zinc]

$$CMC = WER * (Acute\ Conversion\ Factor) * (\exp\{m_A[1n(hardness)] + b_A\})$$

$$CCC = WER * (Chronic\ Conversion\ Factor) * (\exp\{m_C[1n(hardness)] + b_C\})$$

Note1: CCC formula contains error in CTR (says “Acute” not “Chronic” for Conversion Factor).

Note2: see note to Table 2 of Paragraph (b)(2) in the CTR, “The term conversion factor represents the recommended conversion factor for converting a metal criterion expressed as the total recoverable fraction in the water column to a criterion expressed as the dissolved fraction in the water column.”

Note3: Conversion factors (CF) are provided as values in a table for chromium, copper, nickel, silver, and zinc. CF for cadmium and lead are calculated based on hardness, i.e.

$$Cadmium\ Acute\ CF = 1.136672 - [(\ln\{hardness\}) (0.041838)]$$

$$Cadmium\ Chronic\ CF = 1.101672 - [(\ln\{hardness\}) (0.041838)]$$

$$Lead\ Acute\ and\ Chronic\ CF = 1.46203 - [(\ln\{hardness\}) (0.145712)]$$

Note4: Only two WER in Ventura County and no stations discharge within the applicable reaches - Lower Calleguas Creek (Reach 2 which is Portrero Rd south to Mugu Lagoon) has a WER for copper of 3.69 and Mugu Lagoon copper WER is 1.51.

Appendix L" Pyrethroid Insecticides Study 2012-2018 Final Report



Ventura Countywide Stormwater Quality Management Program

PYRETHROID INSECTICIDES STUDY

2012 - 2018 FINAL REPORT

PREPARED BY THE:

VENTURA COUNTY WATERSHED PROTECTION DISTRICT

SUBMITTED ON BEHALF OF:

VENTURA COUNTY WATERSHED PROTECTION DISTRICT

COUNTY OF VENTURA

CITY OF CAMARILLO

CITY OF FILLMORE

CITY OF MOORPARK

CITY OF OJAI

CITY OF OXNARD

CITY OF PORT HUENEME

CITY OF SANTA PAULA

CITY OF SIMI VALLEY

CITY OF THOUSAND OAKS

CITY OF VENTURA

December 15, 2018

EXECUTIVE SUMMARY

Monitoring of sediment for pyrethroids, total organic carbon, and toxicity to *Hyalella azteca* was conducted at two sites in the Calleguas Creek, Ventura River, and Santa Clara River watersheds in 2012, 2015, and 2018, as required by Monitoring Program No. CI 7388, as part of the Ventura County Municipal Separate Storm Sewer System National Pollutant Discharge Elimination System Permit, Order No. R4-2010-0108 (Permit).

The most commonly detected pyrethroids were bifenthrin and permethrin. The hypothetical contribution to toxicity was calculated for these pyrethroids based on their concentration, the amount of total organic carbon present in the sample, and a reference concentration known to cause significant toxicity to *Hyalella azteca* in sediment samples. For most samples, the hypothetical and observed toxicity agreed that the concentrations should not result in significant toxicity. However, in one sample, WOOD 2012, there was significant hypothetical and observed toxicity, indicating that bifenthrin was the likely cause of the observed toxicity. This site is in a predominantly agricultural area. In two samples, SCR Up 2015 and VR Down 2015, significant toxicity was observed but hypothetical toxicity was low, indicating that the cause of the toxicity was a pollutant that was not part of this study. Both of these sites are associated with multiple land uses, including urban and agriculture. A field duplicate was collected at CC Down in 2015, and while the sample and its duplicate did not show significant observed toxicity, the duplicate had high hypothetical toxicity, while the original sample did not. The lack of observed toxicity suggests that the high concentration in the duplicate may have been the result of an error or subsampling difference at the chemistry laboratory. This site is located in an agricultural area with upstream urban influences.

Two non-pyrethroid pesticides (pendimethalin and dichloran) were also frequently detected. The reference documents do not include reference concentrations for calculating hypothetical toxicity, but the lack of observed toxicity at sites with higher concentrations of these pesticides indicate that these are not likely a cause for toxicity.

Bifenthrin and permethrin are both used in significant quantities for regulated applications for structural and agricultural pest control in Ventura County but are also known to have unregulated applications for residential and industrial uses, which are not tracked. Due to the presence of significant toxicity in some of the samples that may or may not be attributable to urban contributions of pyrethroids, the recommendation to mitigate urban contributions of pyrethroids in the three sampled watersheds is to continue to target pesticide use in the Ventura Countywide Stormwater Management Program's (Program) education and outreach campaigns. The agricultural contributions are not under the jurisdiction of the Program and would need to be addressed through other avenues.

No trends are apparent over the Permit term, however the impact of the Thomas Fire (over 281,000 acres burnt in December 2017 and January 2018, including much of the Ventura and Santa Clara River watersheds) and the heavy rains and sediment loads following the fire may have affected the composition of the samples in 2018.

INTRODUCTION

Pyrethroid insecticide monitoring of sediments is required by Monitoring Program No. CI 7388, as part of the Ventura County Municipal Separate Storm Sewer System National Pollutant Discharge Elimination System Permit, Order No. R4-2010-0108 (Permit). The Permit specifies that the Principal Permittee (Ventura County Watershed Protection District (District)) shall perform a Pyrethroid Insecticides Study (Study) to accomplish the following objectives:

- i. Establish baseline data for major watersheds;
- ii. Evaluate whether pyrethroid insecticide concentrations are at or approaching levels known to be toxic to sediment-dwelling aquatic organisms;
- iii. Determine if pyrethroids discovered are from urban sources; and
- iv. Assess any trends over the permit term.

The first round of sediment monitoring for the Study was conducted in April 2012 by the District at two locations in both the Ventura River and Santa Clara River watersheds. Data from the Calleguas Creek Watershed (CCW) Toxicity Total Maximum Daily Load (TMDL) monitoring program was used to meet the requirements for that watershed, as allowed by the Permit. However, the 2012 TMDL data were unavailable in time for the 2012 report, so 2008-2010 data were included in that report and the 2011 and 2012 data were included in the 2015 report. Two sites in the Calleguas Creek Watershed were added to the District monitoring in 2015 to increase comparability and avoid issues with different detection levels, sampling strategies, and reporting cycles between the TMDL and this Study. Therefore, only TMDL data from 2012 is included in these reports. The second and third rounds of the Study were conducted in April 2015 and May 2018, respectively, by the District at two sites each in the Ventura River, Santa Clara River, and Calleguas Creek watersheds.

The samples were analyzed for total organic carbon (TOC) and eight specific pyrethroid pesticides required by the Permit (bifenthrin, cyfluthrin, cypermethrin, deltamethrin (co-elutes with tralomethrin, which is listed in the Permit if the laboratory is capable of analyzing for it), esfenvalerate (co-elutes with the non-required fenvalerate), lambda-cyhalothrin, and permethrin, as well as several pyrethroid and non-pyrethroid pesticides that are not required by the permit but are standard outputs of the analytical method. All sediment samples were tested for toxicity through a 10-day survival bioassay using 7–10-day old *Hyaella azteca*.

Hypothetical toxicity units (TU_H) were calculated to compare the expected relative toxicity of different samples and pyrethroids. TU_H are calculated by normalizing the sediment pyrethroid concentrations to TOC concentration (to account for hydrophobicity) and then dividing by the *Hyaella azteca* 10-day median lethal concentration (LC50¹) for each detected pyrethroid, if available. TU_H cannot be calculated for detected analytes without LC50s in the reference documents (e.g. non-pyrethroids such as pendimethalin and dichloran) or for analytes that may be present at levels below the method detection limit (i.e. non-

¹ LC50 is the lethal concentration required to kill 50% of the population.

detects), so their hypothetical contributions to toxicity are unknown. Pollutants other than those analyzed may also be contributing to toxicity, however this study was focused on pyrethroid pollutants.

In 2012, two pyrethroids were detected in the Study samples: bifenthrin (three sites) and permethrin (one site); and one pyrethroid (bifenthrin) was detected in the TMDL samples (two sites). All TU_H were less than one indicating the samples were non-toxic. This was supported by the lack of toxicity seen in the analysis of the sediment samples, except for the two TMDL sites, which had significant toxicity. Two non-pyrethroid pesticides were also detected in the Study samples: pendimethalin (two sites) and dichloran (one site) but were not tested in the TMDL.

In 2015, two of the eight Permit-required pyrethroid pesticides were detected: bifenthrin (three sites) and permethrin (one site). One non-required pyrethroid (fenpropathrin at one site) and two non-pyrethroid pesticides (dichloran at one site and pendimethalin at three sites) were also detected. All TU_H were less than one except for bifenthrin in the CC Down duplicate, however there was not significant toxicity in the measured sample. Some toxicity was observed in 2015 at SCR Up and VR Down. None of the Permit required pyrethroids were detected at SCR up. Bifenthrin was detected in VR Down, however other sites with higher concentrations exhibited no toxicity, and the calculated hypothetical toxicity for VR Down based on the bifenthrin concentration was not toxic.

In 2018, the third round of the study was conducted and pyrethroids were not detected in any of the Study samples. One non-pyrethroid pesticide (Dichloran) was detected at one site. Significant toxicity was not observed in any of the 2018 samples.

Ventura County has been subjected to increased environmental stresses in recent years. In addition to the ongoing severe drought, the Ventura River and Santa Clara River watersheds were heavily impacted by the Thomas Fire, which started on December 4, 2017 and continued through January 9, 2018, burning over 281,000 acres to become the largest fire recorded in California history at that time. The fire burned most of the open space and forest lands in the Ventura River Watershed and a significant amount of open space in the Santa Clara River Watershed, as well as orchards, homes, and other structures from Fillmore to Santa Barbara. Areas that did not burn (especially within the Ojai Valley) were still subject to heavy ash deposition.

The first storm of the 2017/18 wet season occurred in January 2018 and the heavy rain on the burned area resulted in higher than typical runoff and sediment loads, which took many weeks to settle out. Most of the rain for the 2017/18 wet season fell during March, when a series of large storms moved through the area, again increasing runoff and sediment loads. Samples for the 2018 Study were collected in May.

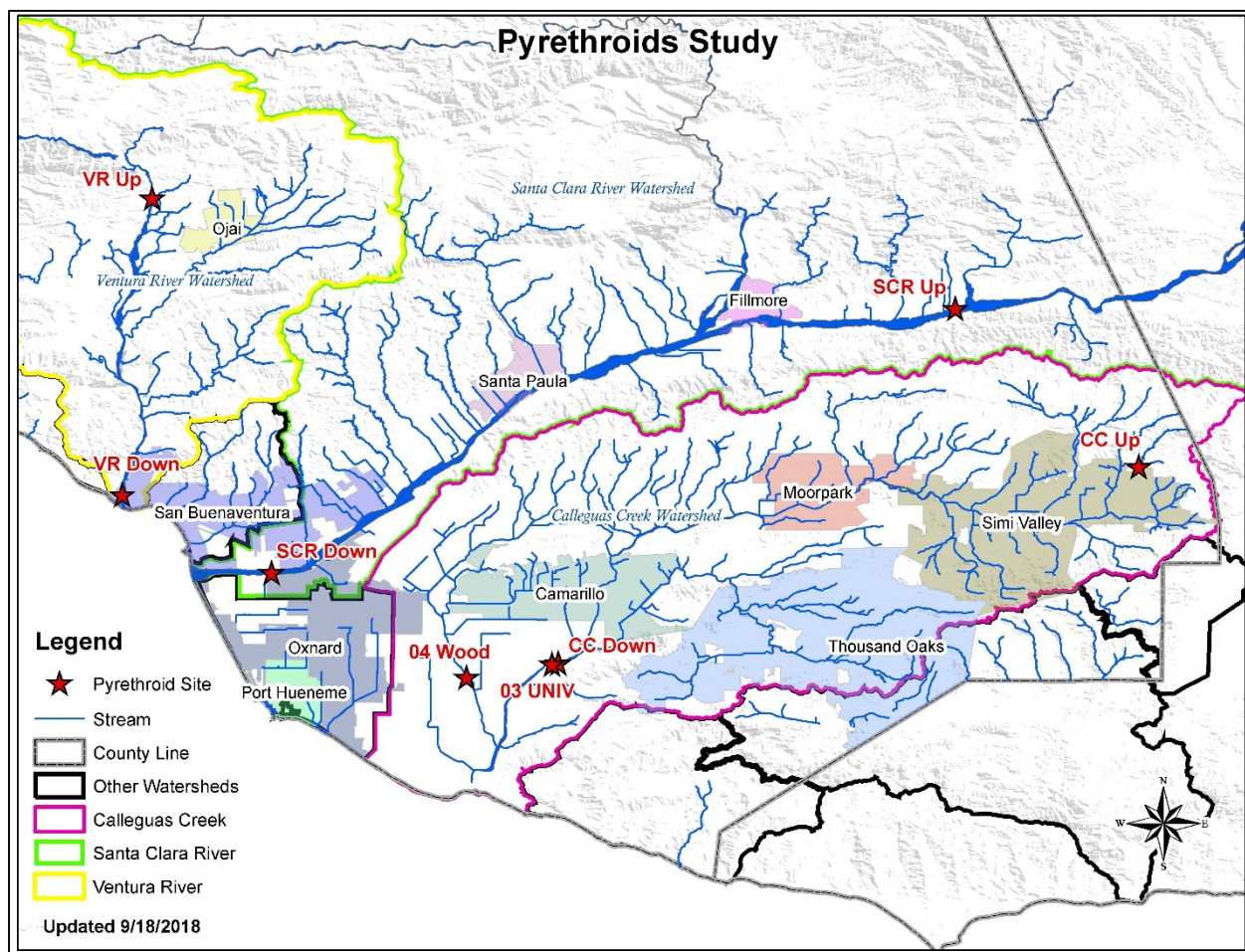
METHOD

The Permit specifies that monitoring is to be conducted every three years for the duration of the Permit (i.e. 2012, 2015, 2018, etc.), after sediment has settled within the water body and safe access can be assured. In-stream sediment samples for chemical analysis and toxicity testing were collected using stainless steel scoops according to methods developed by the USGS and outlined in *Guidelines for Collecting and Processing Samples of Stream Bed Sediment for Analysis of Trace Elements and Organic Contaminants for the National Water Quality Assessment Program (1994)*. When possible, sediment sampling stations encompassed a section of the reach approximately 100 meters in length upstream from water-column sampling stations, but this varied depending on site conditions. Five to ten wadeable depositional zones (low energy areas where fine-grained particles can accumulate) within the reach were targeted (when possible) to obtain a sample representative of the site.

Two sites, an upstream site and a downstream site, were selected on the main stem in the Ventura River, Santa Clara River, and Calleguas Creek watersheds (Figure 1). The upstream site was located higher in the watershed to reduce the influence of urban sources and the downstream site was located low in the watershed to include urban contributions. It was not possible in all cases to exclude upstream sources of agriculture and/or urban runoff, including some sources outside of Ventura County. For the Ventura River watershed, the upstream site (VR Up) is on the Ventura River above the Casitas Municipal Water District's diversion structure near the north end of Rice Road in Meiners Oaks. The downstream site (VR Down) is on the Ventura River near the Main Street Bridge in Ventura. For the Santa Clara River watershed, the upstream site (SCR Up) is on the Santa Clara River east of Torrey Road near the Los Angeles/Ventura County Line and the downstream site (SCR Down) is on the Santa Clara River near the Victoria Avenue Bridge in Ventura. For the Calleguas Creek watershed, the upstream site (CC Up) is in Las Lajas Canyon above Las Lajas Dam, north of Simi Valley, and the downstream site (CC Down) is on Calleguas Creek at the Camarillo Street (formerly University Drive) Bridge. Factors such as safety, ease of entry, upstream land use, hydrology, and long-term accessibility (including landowner permission) were considered in site selection.

For the first round of the Study (2012), two sites from the Calleguas Creek Watershed (CCW) Toxicity Total Maximum Daily Load (TMDL) monitoring program were used to meet the requirements for that watershed, as allowed by the Permit. The TMDL sites were 03_UNIV (UNIV) – co-located with CC Down, and 04_WOOD (WOOD) – Revolon Slough at Wood Road. To increase comparability between samples, watersheds, and years, and eliminate differences between the Study and the TMDL (e.g. detection levels, sampling strategies, collection methods, reporting cycles, etc.), the TMDL sites were replaced with CC Up and CC Down beginning in 2015.

Figure 1. Pyrethroid Sampling Locations



As described in the Ventura County MS4 Pyrethroid Insecticides Monitoring Quality Assurance Project Plan (QAPP), the top layer (~1 cm) of the most recently deposited sediment was collected with a pre-cleaned stainless-steel scoop as specified in the Permit. The quantity of sediment required for the tests precluded sampling directly into glass jars, so the sediment was deposited in a 24" by 36" 2mm polyethylene bag per site. The bag was closed and the sediment was manually homogenized onsite by squeezing and rotating the bag. Homogenized sediment was placed in two 8 oz wide-mouth glass jars and placed on ice for TOC and pyrethroid analysis. The jars were placed in the freezer at the end of the sampling day for pickup by the chemistry lab courier the following day. The remaining sediment (~ 3 liters) was double-bagged and kept on ice until delivered to the toxicity laboratory.

All sediment samples were analyzed for total organic carbon (TOC) by EPA 9060, pyrethroids by GC/MS NCI-SIM, and toxicity to 7—10-day old *Hyaella azteca*, as described in *Aquatic Toxicity Due to Residential use of Pyrethroid Insecticides*². Water quality field measurements were taken with hand-held probes.

² *Aquatic Toxicity Due to Residential Use of Pyrethroid Insecticides*; Weston, D., Holmes, R., You, J., Lydy, M.J (2005). Environ. Sci. Technol.; (Article); 2005; 39(24); 9780 pp.

The stainless-steel trowels used for the Study were cleaned prior to sample collection with Alconox laboratory detergent and tap water, rinsed with distilled water, and air dried. They were then sealed in Ziploc bags until arrival at the site. An equipment blank was collected by the laboratory from one clean, unused stainless-steel trowel by rinsing it with one liter of laboratory grade de-ionized water and analyzing the rinsate for TOC by SM 5310C and pyrethroids by GC/MS NCI-SIM.

RESULTS

Study Equipment Blanks

The 2018 equipment blank analysis detected a small amount of TOC and a detected not quantifiable (DNQ) amount of the pyrethroids bifenthrin and cypermethrin (Table 1). These amounts are similar to those seen in equipment blank samples in previous years of the Study (Table 2) and are insignificant in relation to expected environmental concentrations so a second equipment blank was not submitted for 2018. Several non-pyrethroid constituents were also analyzed by this method but were not detected.

Table 1. Equipment Blank Results 2018

Analyte	2018 Trowel Blank ($\mu\text{g/L}$, MDL varies)
Allethrin	ND (<0.00085)
Bifenthrin	0.00085 (DNQ)
Cyfluthrin	ND (<0.00083)
Cypermethrin	0.00087 (DNQ)
Deltamethrin/Tralomethrin	ND (<0.0019)
Dichloran	ND (<0.00080)
Esfenvalerate	ND (<0.00098)
Fenpropathrin (Danitol)	ND (<0.0020)
Fenvalerate	ND (<0.00098)
L-Cyhalothrin	ND (<0.0012)
Pendimethalin	ND (<0.00050)
Permethrin	ND (<0.0050)
Prallethrin	ND (<0.00092)
Sumithrin	ND (<0.0024)
Tefluthrin	ND (<0.00093)
TOC	0.23 mg/L

Analyte listed in Permit
Detections
ND = Not Detected
DNQ = Detected Not Quantified

Table 2. Equipment Blank Results 2012 - 2015

Analyte	2015 Initial Trowel Blank (µg/L, MDL varies)	2015 2 nd Trowel Blank (µg/L, MDL varies)	2012 Initial Trowel Blank (µg/L, MDL varies)	2012 2 nd Trowel Blank (µg/L, MDL varies)
Allethrin	ND (<0.00085)	ND (<0.00085)	ND (<0.00085)	ND (<0.00085)
Bifenthrin	0.0026	0.00091 (DNQ)	0.0041	ND (<0.00079)
Cyfluthrin	ND (<0.00083)	ND (<0.00083)	ND (<0.00083)	ND (<0.00083)
Cypermethrin	ND (<0.00066)	ND (<0.00066)	0.0026	ND (<0.00066)
Deltamethrin/Tralomethrin	ND (<0.0019)	ND (<0.0019)	ND (<0.0019)	ND (<0.0019)
Dichloran	ND (<0.00080)	ND (<0.00080)	ND (<0.00080)	ND (<0.00080)
Esfenvalerate	ND (<0.00098)	ND (<0.00098)	ND (<0.00098)	ND (<0.00098)
Fenpropathrin (Danitol)	ND (<0.0020)	ND (<0.0020)		
Fenvalerate	ND (<0.00098)	ND (<0.00098)	ND (<0.00098)	ND (<0.00098)
L-Cyhalothrin	ND (<0.0012)	ND (<0.0012)	ND (<0.0012)	ND (<0.0012)
Pendimethalin	ND (<0.00050)	ND (<0.00050)	0.0025	ND (<0.00050)
Permethrin	ND (<0.0050)	ND (<0.0050)	ND (<0.0050)	ND (<0.0050)
Prallethrin	ND (<0.00092)	ND (<0.00092)	ND (<0.00092)	ND (<0.00092)
Sumithrin	ND (<0.0024)	ND (<0.0024)	ND (<0.0024)	ND (<0.0024)
Tefluthrin	ND (<0.00093)	ND (<0.00093)	ND (<0.00093)	ND (<0.00093)
TOC	0.18 mg/L (DNQ)	0.23 mg (DNQ)	0.17 mg/L (DNQ)	N/A

Analyte listed in Permit
Detections
ND = Not Detected
DNQ = Detected Not Quantified

2018 Study

The 2017/18 water year started out very dry, with the first storm of the season occurring in January 2018, followed by a series of storms in March 2018 that dropped 4 – 8 inches of rain across the county. Sampling was conducted on May 8 and 9, 2018, approximately 6 weeks after the March storms. VR Up (Figure 2), VR Down (Figure 3), SCR Up (Figure 4), and CC Down (Figure 7) were flowing, however SCR Down (Figure 5) was damp with small remnant ponds and CC Up (Figure 6) was dry (although there were some sediment deposits from earlier flows).

Figure 2. VR Up



Figure 3. VR Down



Figure 4. SCR Up



Figure 5. SCR Down



Figure 6. CC Up



Figure 7. CC Down



No pyrethroids were detected in the 2018 sediment samples, including the eight pyrethroids specified by the Permit for analysis (bifenthrin, cyfluthrin, cypermethrin, deltamethrin, esfenvalerate, I-cyhalothrin,

permethrin, and tralomethrin). Dichloran, a non-pyrethroid pesticide, was detected at one site (SCR Down). A field duplicate sample was collected at VR Down and the results agreed with the original sample, with no pyrethroid detections and TOC within allowed limits for relative percent difference.

All samples were subjected to a 10-day survival and growth sediment bioassay using *Hyalella azteca*. The laboratory inadvertently discarded the organisms before collecting the growth data at the end of the initial test period, so the samples were set up and run a second time within hold time for both growth and survival. All samples were non-toxic for both tests, and all samples outperformed the control in measurements of growth.

TOC amounts ranged from 1.43 g/kg in the upstream Calleguas Creek sample (CC Up 2018) to 31.4 g/kg in the downstream Ventura River field duplicate (VR Down 2018 Dup) and this range is similar to previous years, although it varies between sites.

2012-2018 Combined Results

Data from the Calleguas Creek Watershed (CCW) Toxicity Total Maximum Daily Load (TMDL) monitoring program was used to meet the requirements for that watershed in 2012, as allowed by the Permit. However, TMDL site 04_WOOD (WOOD) is not co-located with CC Up, and although TMDL site 03_UNIV (UNIV) is co-located with CC Down, the sample collection methods and protocols for the TMDL are different to this Study. To increase comparability between samples and watersheds, two sites in the Calleguas Creek Watershed were added in 2015 to avoid issues with different detection levels, sampling strategies, and reporting cycles. TMDL data (except for 2012) is not included in this report.

The 2012-2018 laboratory results are grouped by watershed in Table 3, Table 4, and Table 5. Pyrethroids that were detected during the three Study periods (2012, 2015, and 2018) are also grouped by watershed and shown in Figure 8, Figure 9, and Figure 10. Similarly, detected non-pyrethroids for the same period are shown in Figure 11 and Figure 12 (non-pyrethroid pesticides were not detected in any of the Study samples from the Ventura River Watershed, therefore a chart for this data is not included in this report.)

Three pyrethroids were detected during the Study, bifenthrin and permethrin, which were required analytes in the Permit, and fenpropathrin (danitol) which was not required by the Permit but was included in the analytical method. Two non-pyrethroid pesticides, dichloran and pendimethalin, were also detected but were not required by the Permit. These non-pyrethroid analytes were not part of the TMDL analytical method so data is not available for the 2012 TMDL sites.

Table 3. Laboratory Results 2012-2018 – Calleguas Creek Watershed

Analyte	WOOD	CC Up		UNIV (co-located with CC Down)		CC Down			Units
	2012	2015	2018	2012	2012 Dup	2015	2015 Dup	2018	
Allethrin	<0.5	<0.93	<0.85	<0.5	<0.5	<0.93	<0.92	<0.93	ng/g
Bifenthrin	2.7	<0.93	<0.85	1^	0.9^	3.3	5.9	<0.93	ng/g
Cyfluthrin	<0.5	<0.93	<0.85	<0.5	<0.5	<0.93	<0.92	<0.93	ng/g
Cypermethrin	<0.5	<0.93	<0.85	<0.5	<0.5	<0.93	<0.92	<0.93	ng/g
Deltamethrin	<0.5	<0.93	<0.85	<0.5	<0.5	<0.93	<0.92	<0.93	ng/g
Dichloran	NS	<0.93	<0.85	NS	NS	<0.93	<0.92	<0.93	ng/g
Esfenvalerate	<0.5	<0.93	<0.85	<0.5	<0.5	<0.93	<0.92	<0.93	ng/g
Fenpropathrin (Danitol)	<0.5	<0.93	<0.85	<0.5	<0.5	<0.93	<0.92	<0.93	ng/g
Fenvalerate	<0.5	<0.93	<0.85	<0.5	<0.5	<0.93	<0.92	<0.93	ng/g
L-Cyhalothrin	<0.5	<0.93	<0.85	<0.5	<0.5	<0.93	<0.92	<0.93	ng/g
Pendimethalin	NS	<0.93	<0.85	NS	NS	3.8	2.5	<0.93	ng/g
Permethrin	<5	<0.93	<0.85	<5	<5	3.3	5.4	<0.93	ng/g
Prallethrin	<0.5	<0.93	<0.85	<0.5	<0.5	<0.93	<0.92	<0.93	ng/g
Sumithrin	NS	<0.93	<0.85	NS	NS	<0.93	<0.92	<0.93	ng/g
Tefluthrin	NS	<0.93	<0.85	NS	NS	<0.93	<0.92	<0.93	ng/g
Tralomethrin	NS	<0.93	<0.85	NS	NS	<0.93	<0.92	<0.93	ng/g
TOC	5.6	12.2	1.43	4.4	3.3	12.3	8.27	7.01	g/kg
Toxicity to <i>H. azteca</i>, Survival	66.3 SG	95.0	100 100*	75.0 SG	NS	82.5	87.5	95 100*	% Survival
Toxicity to <i>H. azteca</i>, Mortality	33.7 SG	5.0	0 0*	25.0 SG	NS	17.5	12.5	5.0 0*	% Mortality
Toxicity to <i>H. azteca</i> , Growth	69.4 SG	-565	-304	-7.71	NS	-216	-161	-189	% Effect

TMDL = Samples collected at TMDL sites using TMDL methods. Only applicable to 2012 results.

Analyte listed in Permit

Detected

< Not detected at method detection limit

Dup = Duplicate

^ Detected not quantified

NS = Not sampled

* Samples re-run to include growth

SG = Significant effect compared to control

- Sample performed better than control

Table 4. Laboratory Results 2012-2018 – Santa Clara River Watershed

Analyte	SCR Up			SCR Down			Units
	2012	2015	2018	2012	2015	2018	
Allethrin	<0.5	<0.92	<0.88	<0.5	<0.94	<0.93	ng/g
Bifenthrin	0.78	<0.92	<0.88	0.74	2.6	<0.93	ng/g
Cyfluthrin	<0.5	<0.92	<0.88	<0.5	<0.94	<0.93	ng/g
Cypermethrin	<0.5	<0.92	<0.88	<0.5	<0.94	<0.93	ng/g
Deltamethrin	<0.5	<0.92	<0.88	<0.5	<0.94	<0.93	ng/g
Dichloran	<0.5	<0.92	<0.88	0.54	1.1	2.1	ng/g
Esfenvalerate	<0.5	<0.92	<0.88	<0.5	<0.94	<0.93	ng/g
Fenpropathrin (Danitol)	<0.5	<0.92	<0.88	<0.5	<0.94	<0.93	ng/g
Fenvalerate	<0.5	<0.92	<0.88	<0.5	<0.94	<0.93	ng/g
L-Cyhalothrin	<0.5	<0.92	<0.88	<0.5	<0.94	<0.93	ng/g
Pendimethalin	0.69	1.4	<0.88	5.4	8.8	<0.93	ng/g
Permethrin	<0.5	<0.92	<0.88	<0.5	<0.94	<0.93	ng/g
Prallethrin	<0.5	<0.92	<0.88	<0.5	<0.94	<0.93	ng/g
Sumithrin	<0.5	<0.92	<0.88	<0.5	<0.94	<0.93	ng/g
Tefluthrin	<0.5	<0.92	<0.88	<0.5	<0.94	<0.93	ng/g
Tralomethrin	<0.5	<0.92	<0.88	<0.5	<0.94	<0.93	ng/g
TOC	5.4	17	13.3	11	11.4	14.6	g/kg
Toxicity to H. azteca, Survival	98.75	55.0 SG	95.0 100*	96.25	90.0	100 97.5*	% Survival
Toxicity to H. azteca, Mortality	1.25	45.0 SG	5.0 0*	3.75	10.0	0 2.50*	% Mortality
Toxicity to <i>H. azteca</i> , Growth	NS	58.06	-226.35	NS	-387.10	-292.00	% Effect

Analyte listed in Permit

Detected

< Not detected at method detection limit

NS = Not sampled

* Samples re-run to include growth

SG = Significant effect compared to control

- Sample performed better than control

Table 5. Laboratory Results 2012-2018 – Ventura River Watershed

Analyte	VR Up			VR Down				Units
	2012	2015	2018	2012	2015	2018	2018 Dup	
Allethrin	<0.5	<0.83	<0.90	<0.5	<0.82	<0.99	<0.93	ng/g
Bifenthrin	<0.5	<0.83	<0.90	1.2	2.8	<0.99	<0.93	ng/g
Cyfluthrin	<0.5	<0.83	<0.90	<0.5	<0.82	<0.99	<0.93	ng/g
Cypermethrin	<0.5	<0.83	<0.90	<0.5	<0.82	<0.99	<0.93	ng/g
Deltamethrin	<0.5	<0.83	<0.90	<0.5	<0.82	<0.99	<0.93	ng/g
Dichloran	<0.5	<0.83	<0.90	<0.5	<0.82	<0.99	<0.93	ng/g
Esfenvalerate	<0.5	<0.83	<0.90	<0.5	<0.82	<0.99	<0.93	ng/g
Fenpropathrin (Danitol)	<0.5	<0.83	<0.90	<0.5	1.4	<0.99	<0.93	ng/g
Fenvalerate	<0.5	<0.83	<0.90	<0.5	<0.82	<0.99	<0.93	ng/g
L-Cyhalothrin	<0.5	<0.83	<0.90	<0.5	<0.82	<0.99	<0.93	ng/g
Pendimethalin	<0.5	<0.83	<0.90	<0.5	<0.82	<0.99	<0.93	ng/g
Permethrin	5.3	<0.83	<0.90	<0.5	<0.82	<0.99	<0.93	ng/g
Prallethrin	<0.5	<0.83	<0.90	<0.5	<0.82	<0.99	<0.93	ng/g
Sumithrin	<0.5	<0.83	<0.90	<0.5	<0.82	<0.99	<0.93	ng/g
Tefluthrin	<0.5	<0.83	<0.90	<0.5	<0.82	<0.99	<0.93	ng/g
Tralomethrin	<0.5	<0.83	<0.90	<0.5	<0.82	<0.99	<0.93	ng/g
TOC	22	33.8	13	26	18.8	27.1	31.4	g/kg
Toxicity to <i>H. azteca</i>, Survival	83.75	95.0	100 100*	88.75	20.0 SG	97.5 97.5*	NS	% Survival
Toxicity to <i>H. azteca</i>, Mortality	16.25	5.0	0 0*	11.25	80.0 SG	2.5 2.5*	NS	% Mortality
Toxicity to <i>H. azteca</i> , Growth	NS	5.00	-147.58	NS	54.84	-162.08	NS	% Effect

Analyte listed in Permit

Detected

< Not detected at method detection limit

Dup = Duplicate

* Samples re-run to include growth

NS = Not sampled

- Sample performed better than control

SG = Significant effect compared to control

Figure 8. 2012-2018 Detected Pyrethroids - Calleguas Creek Watershed

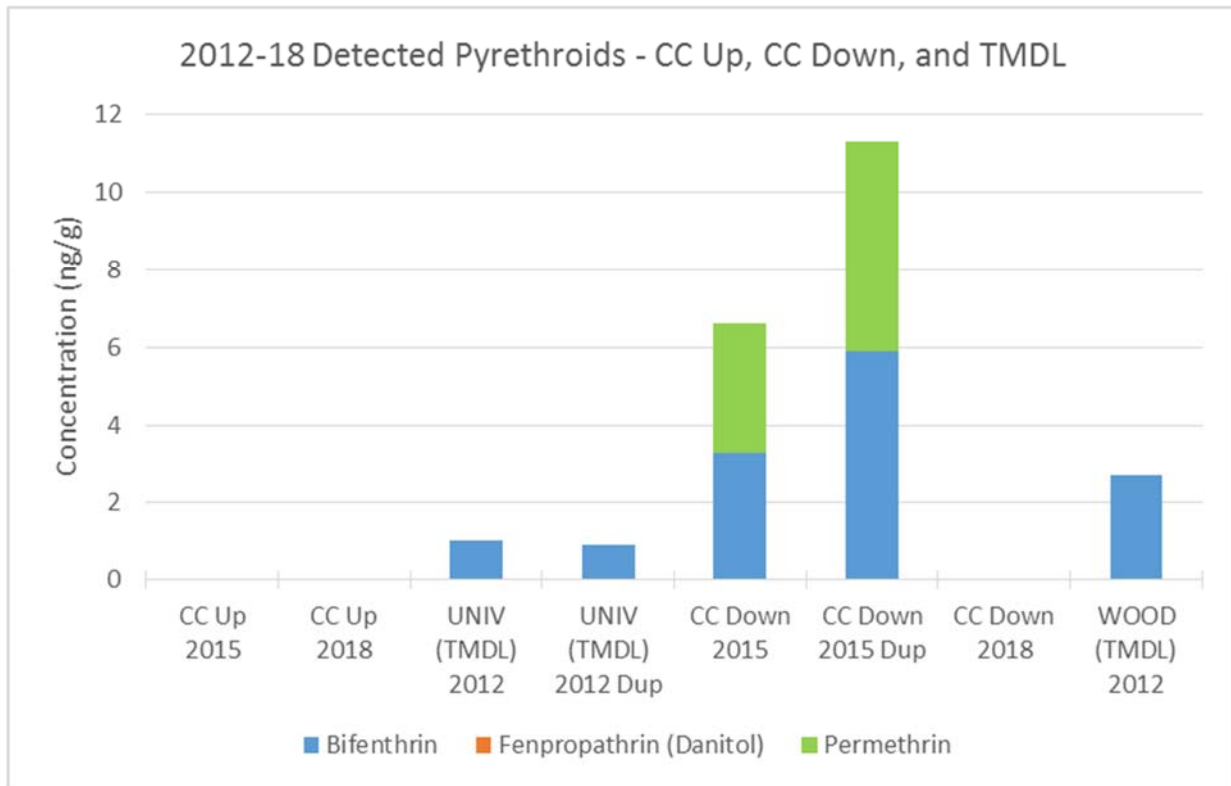


Figure 9. 2012-2018 Detected Pyrethroids - Santa Clara River Watershed

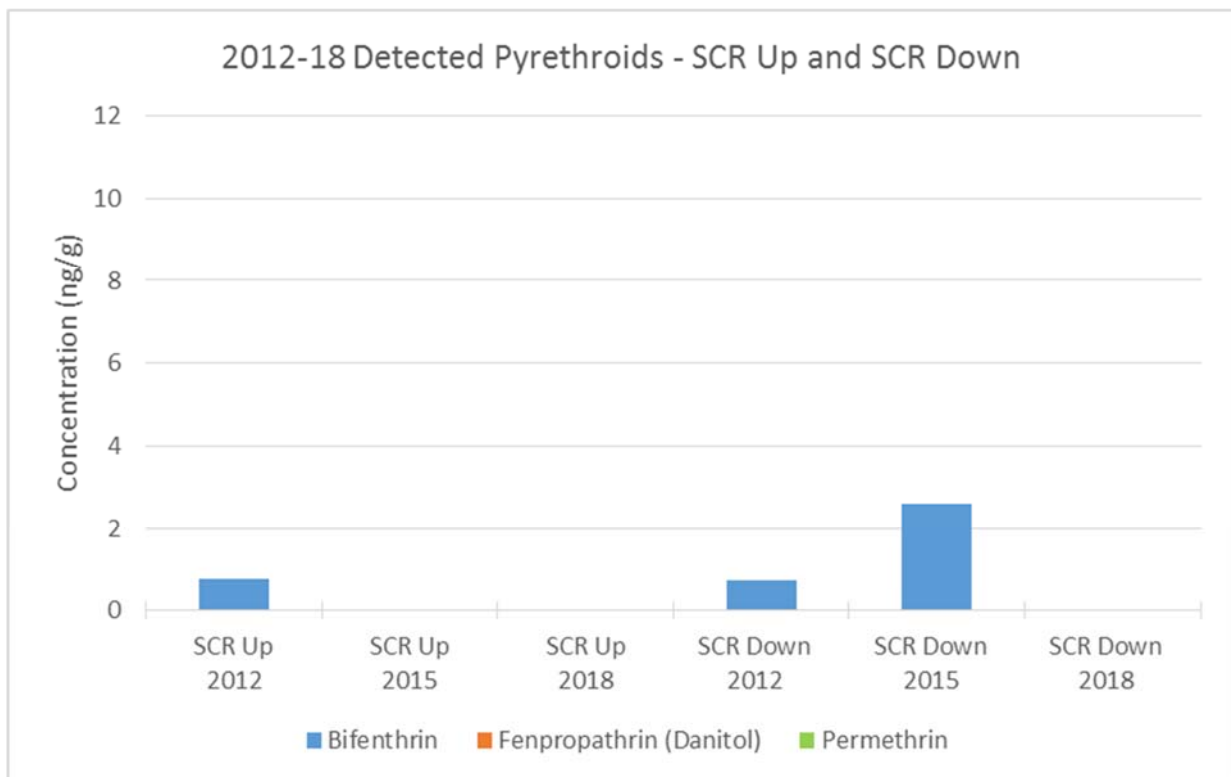


Figure 10. 2012-2018 Detected Pyrethroids - Ventura River Watershed

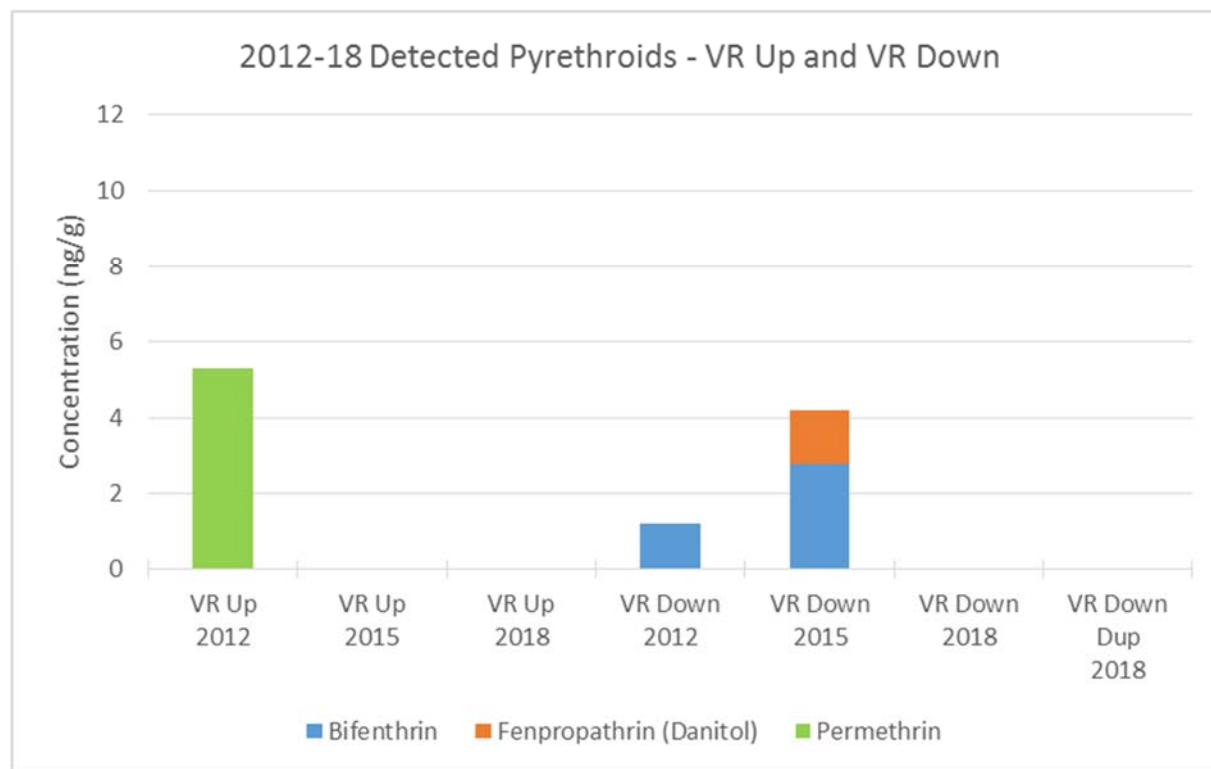


Figure 11. 2012-2018 Detected Non-Pyrethroid Pesticides - Calleguas Creek Watershed

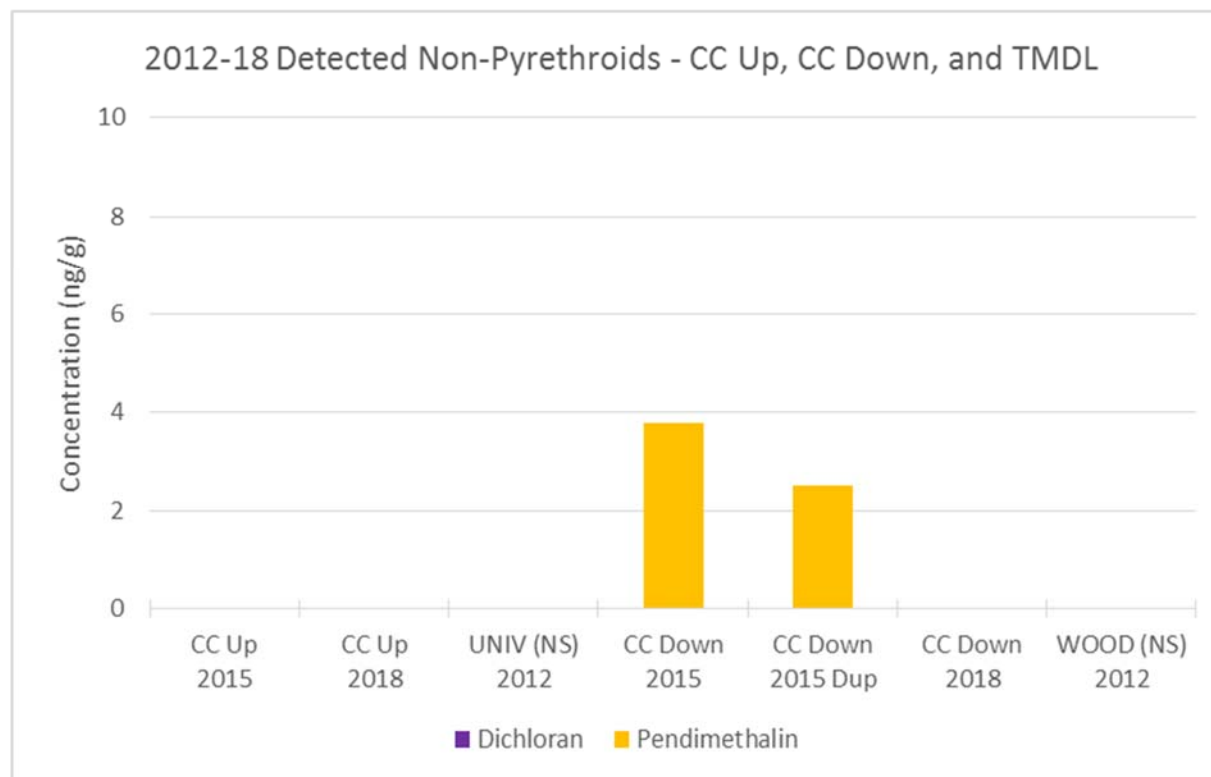
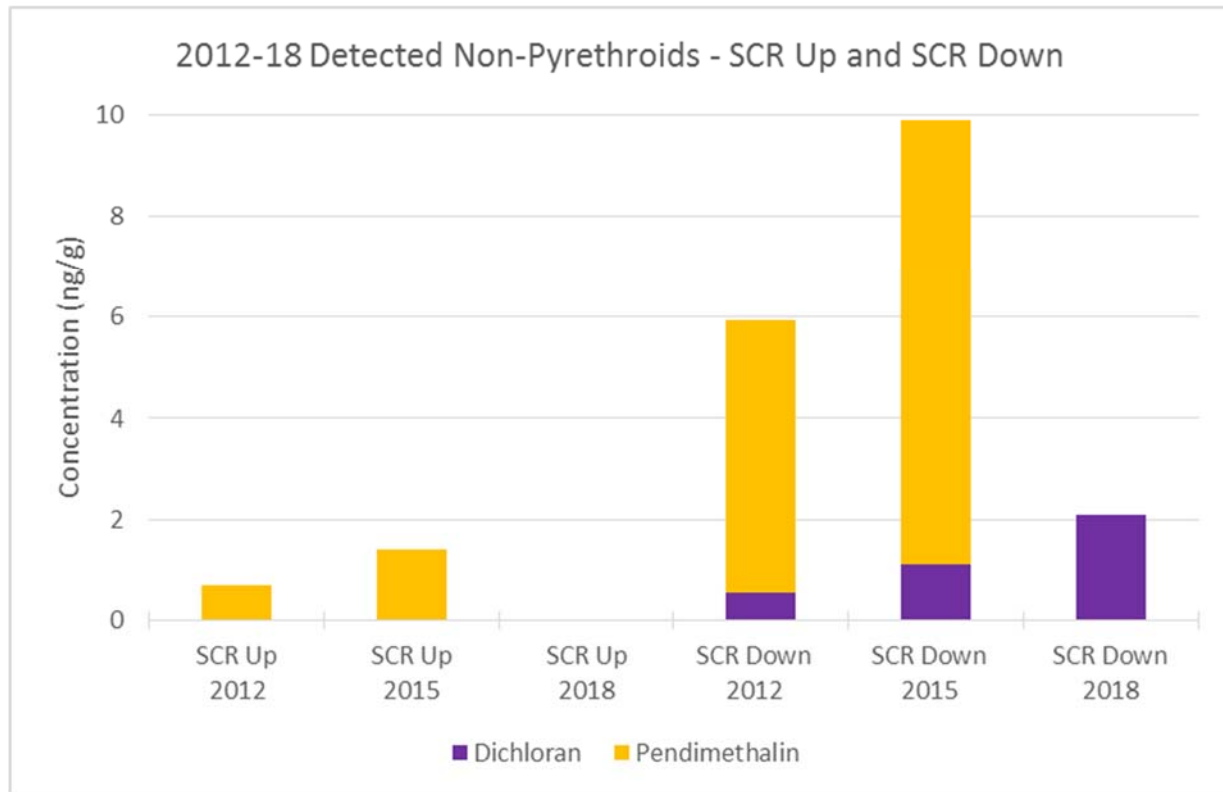


Figure 12. 2012-2018 Detected Non-Pyrethroid Pesticides - Santa Clara River Watershed



Non-pyrethroids were not detected at VR Up or VR Down.

DISCUSSION OF RESULTS

The 2017/18 water year started out very dry, with the first storm of the season occurring in January 2018, followed by a series of storms in March 2018 that dropped 4 – 8 inches of rain across the county. Sampling was conducted on May 8 and 9, 2018, approximately 6 weeks after the March storms. VR Up, VR Down, SCR Up, and CC Down were flowing, however SCR Down was damp with small remnant ponds and CC Up was dry (although there were some sediment deposits from earlier flows)

Equipment Blank

The source of the detected but not quantified (DNQ) amounts of bifenthrin and cypermethrin in the Study's 2018 equipment blank is unknown, but the amounts are similar to those seen in equipment blank samples in previous years of the study, including 2012 when the trowels were new. The laboratory QC was within limits for the equipment blank batches, i.e. bifenthrin and cypermethrin were not detected above the reporting limit of 0.0020 µg/L in the laboratory method blank, and the laboratory control samples and duplicates were all within acceptance limits. The trowels were washed twice since they were last used, once with Citranox after the 2015 sampling, and once with Alconox prior to the 2018 sampling. The source of the contamination is unknown but potential sources could be from air drying, during rinsate collection and/or during analysis at the laboratory. Alconox appears to have worked as well or better than Citranox for bifenthrin removal, and similarly or better than Citranox for cypermethrin removal. The equipment blank is collected by rinsing the trowel with one liter of laboratory grade deionized water and collecting the rinsate for analysis. One liter is used as it is the volume required for the analytical method and collecting extra for a potential re-analysis may dilute the sample, so a replicate is not feasible. The trowels did not contaminate the environmental samples as pyrethroids were not detected at all 2018 sites.

A detectable amount of TOC was measured in the equipment blank at 0.23 mg/L, which is above the reporting limit of 0.10 mg/L. A small DNQ amount of TOC was seen in the method blank (0.0182 mg/L) but these amounts are significantly less than seen in the environmental samples (≥ 1.43 g/kg, equal to 1430 mg/kg) so is not considered to be enough to significantly impact the sediment results (i.e. TOC measured in the equipment blank was at least four orders of magnitude below the environmental samples).

Toxicity

Toxicity levels vary between pyrethroids. Hypothetical toxicity units (TU_H) can be calculated to compare the expected relative toxicity of different samples and pyrethroids. This is done by normalizing the sediment pyrethroid concentrations to TOC concentration to account for hydrophobicity (Table 6 and Figure 13) and then dividing by the *Hyalella azteca* ten day median lethal concentration ($LC50^3$) for each detected pyrethroid, if available (Table 7). $LC50$ s for the detected analytes bifenthrin and permethrin were obtained from the study referenced in the Permit, "Aquatic Toxicity Due to Residential Use of Pyrethroid Insecticides (2005) by Weston *et al.* The Study did not include an $LC50$ for the pyrethroid fenpropathrin

³ $LC50$ is the lethal concentration required to kill 50% of the population.

or the non-pyrethroids dichloran and pendimethalin. To complete this Pyrethroid Study, an LC50 for fenpropathrin was obtained from the Los Angeles Regional Water Quality Control Boards study, "Occurrence and Toxicity of Three Classes of Insecticides in Water and Sediment in Two Southern California Coastal Watersheds (2011) by Delgado-Moreno et al. The overall hypothetical pyrethroid toxicity of a sample can be calculated by summing all the pyrethroid TU_H for that sample. TU_H greater than one indicates significant hypothetical toxicity. The non-pyrethroids were also normalized to TOC (Table 6 and Figure 13) but TU_H were not calculated since they are not pyrethroids and do not have LC50s in the Permit-referenced study.

Table 6. Detected Analytes Normalized to TOC – By Watershed

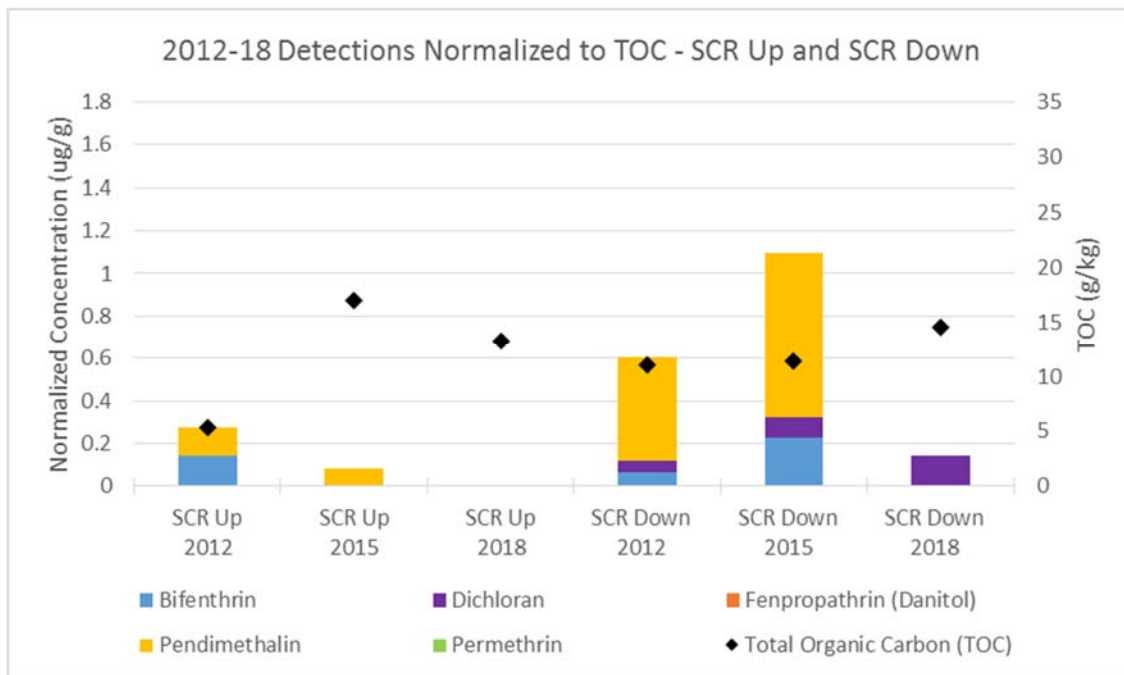
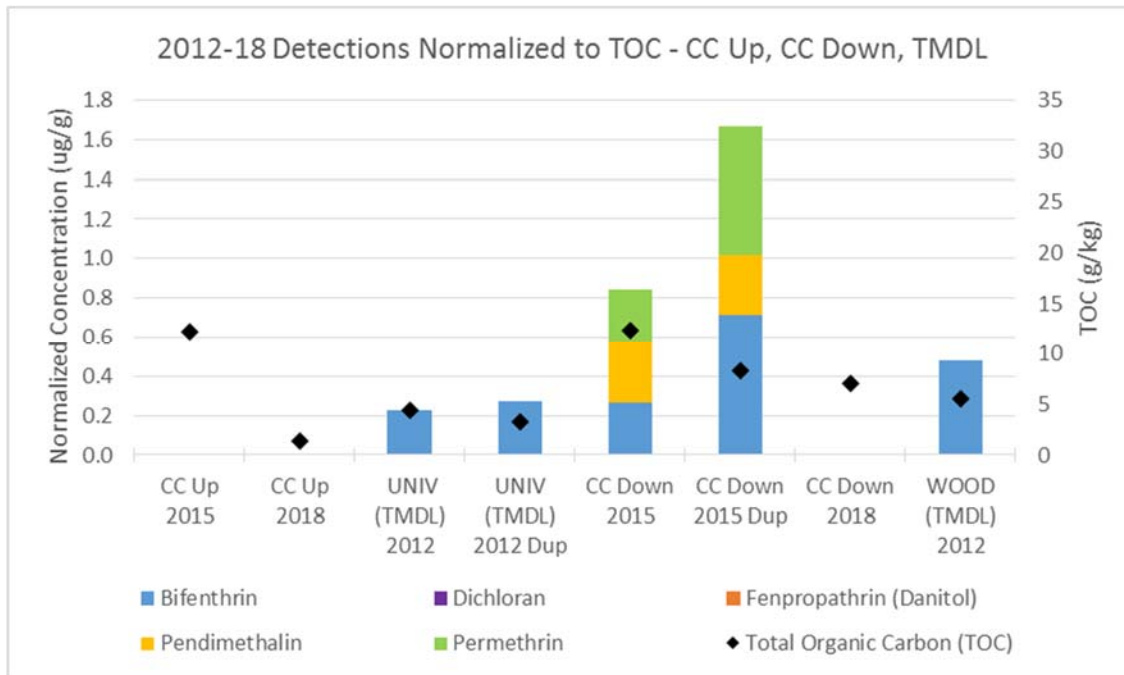
Calleguas Creek Watershed									
Analyte	WOOD	CC Up		UNIV (co-located with CC Down)		CC Down			Units
	2012	2015	2018	2012	2012 Dup	2015	2015 Dup	2018	
Bifenthrin	0.48			0.23^	0.27^	0.27	0.71		ng/g
Pendimethalin	NS			NS	NS	0.31	0.30		ng/g
Permethrin						0.27	0.65		ng/g
TOC	5.6	12.2	1.43	4.4	3.3	12.3	8.27	7.01	g/kg

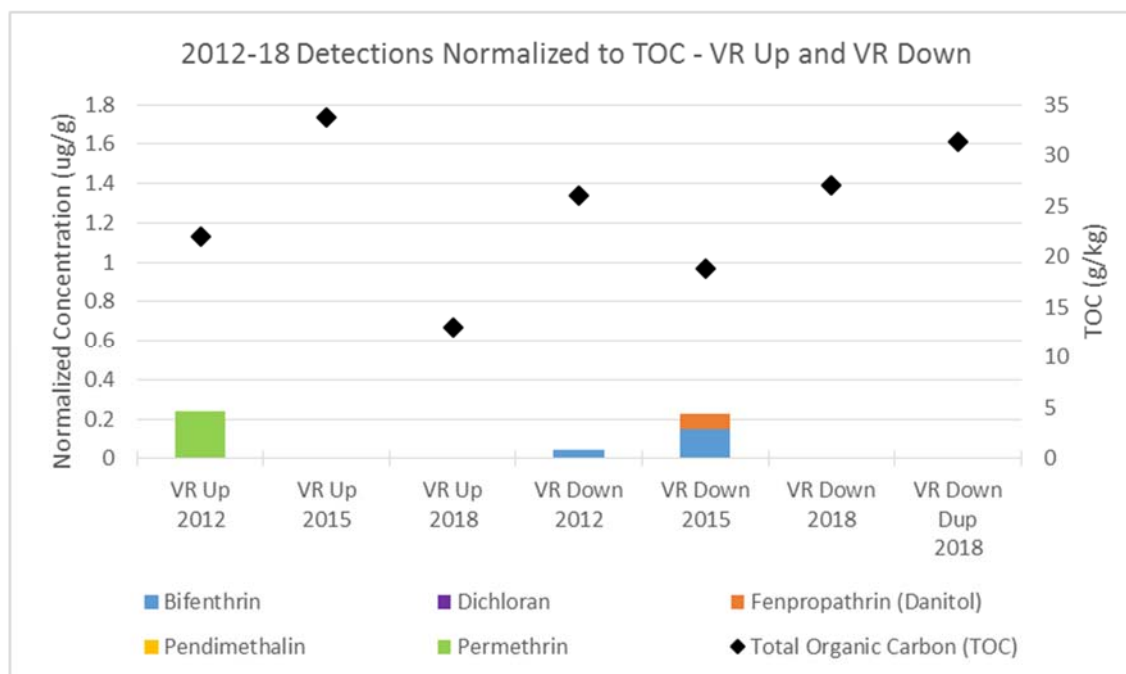
^ DNQ

Santa Clara River Watershed							
Analyte	SCR Up			SCR Down			Units
	2012	2015	2018	2012	2015	2018	
Bifenthrin	0.14			0.07	0.23		ng/g
Dichloran				0.05	0.10	0.14	ng/g
Pendimethalin	0.13	0.08		0.49	0.77		ng/g
TOC	5.4	17	13.3	11	11.4	14.6	g/kg

Ventura River Watershed								
Analyte	VR Up			VR Down				Units
	2012	2015	2018	2012	2015	2018	2018 Dup	
Bifenthrin				0.05	0.15			ng/g
Fenpropathrin (Danitol)					0.07			ng/g
Permethrin	0.24							ng/g
TOC	22	33.8	13	26	18.8	27.1	31.4	g/kg

Figure 13. Detected Analytes Normalized to TOC – By Watershed





Dichloran, fenpropathrin, and pendimethalin not required by Permit. Dichloran and pendimethalin not analyzed for TMDL samples.

Table 7. Hypothetical Toxicity Units Vs. Observed Toxicity – By Watershed

Calleguas Creek Watershed									
Analyte	LC50 (ug/g TOC)	Units	WOOD	CC Up		UNIV	CC Down		
			2012	2015	2018	2012	2015	2015 Dup	2018
Bifenthrin	0.52	TU _H	0.927			0.437 [^]	0.516	1.372	
Fenpropathrin (Danitol)	1.1	TU _H							
Permethrin	10.83	TU _H					0.025	0.060	
Summed Hypothetical TU _H		TU _H	0.927			0.437 [^]	0.541	1.432	
Significant Observed Toxicity			Yes	No	No	Yes	No	No	No

[^] DNQ

Santa Clara River Watershed								
Analyte	LC50 (ug/g TOC)	Units	SCR Up			SCR Down		
			2012	2015	2018	2012	2015	2018
Bifenthrin	0.52	TU _H	0.278			0.129	0.439	
Fenpropathrin (Danitol)	1.1	TU _H						
Permethrin	10.83	TU _H						
Summed Hypothetical TU _H		TU _H	0.278			0.129	0.439	
Significant Observed Toxicity			No	Yes	No	No	No	No

Ventura River Watershed								
Analyte	LC50 (ug/g TOC)	Units	VR Up			VR Down		
			2012	2015	2018	2012	2015	2018
Bifenthrin	0.52	TU _H				0.089	0.286	
Fenpropathrin (Danitol)	1.1	TU _H					0.068	
Permethrin	10.83	TU _H	0.022					
Summed Hypothetical TU _H		TU _H	0.022			0.089	0.354	
Significant Observed Toxicity			No	No	No	No	Yes	No

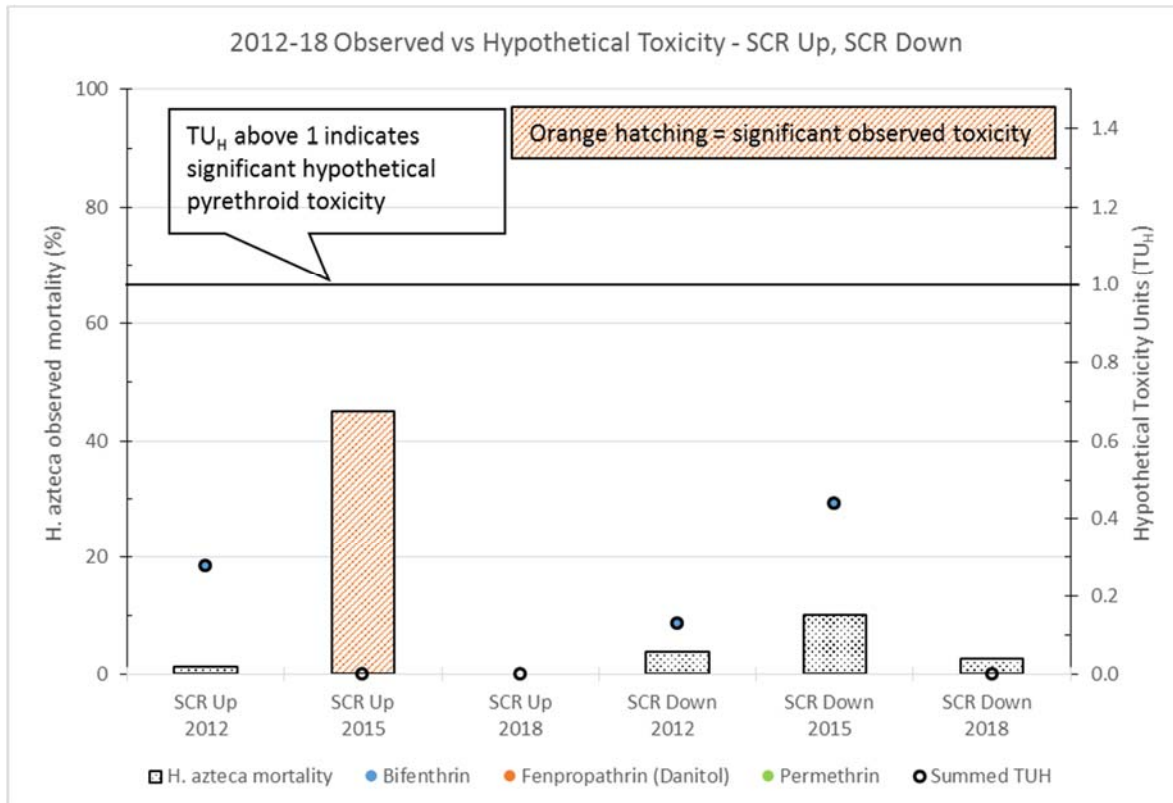
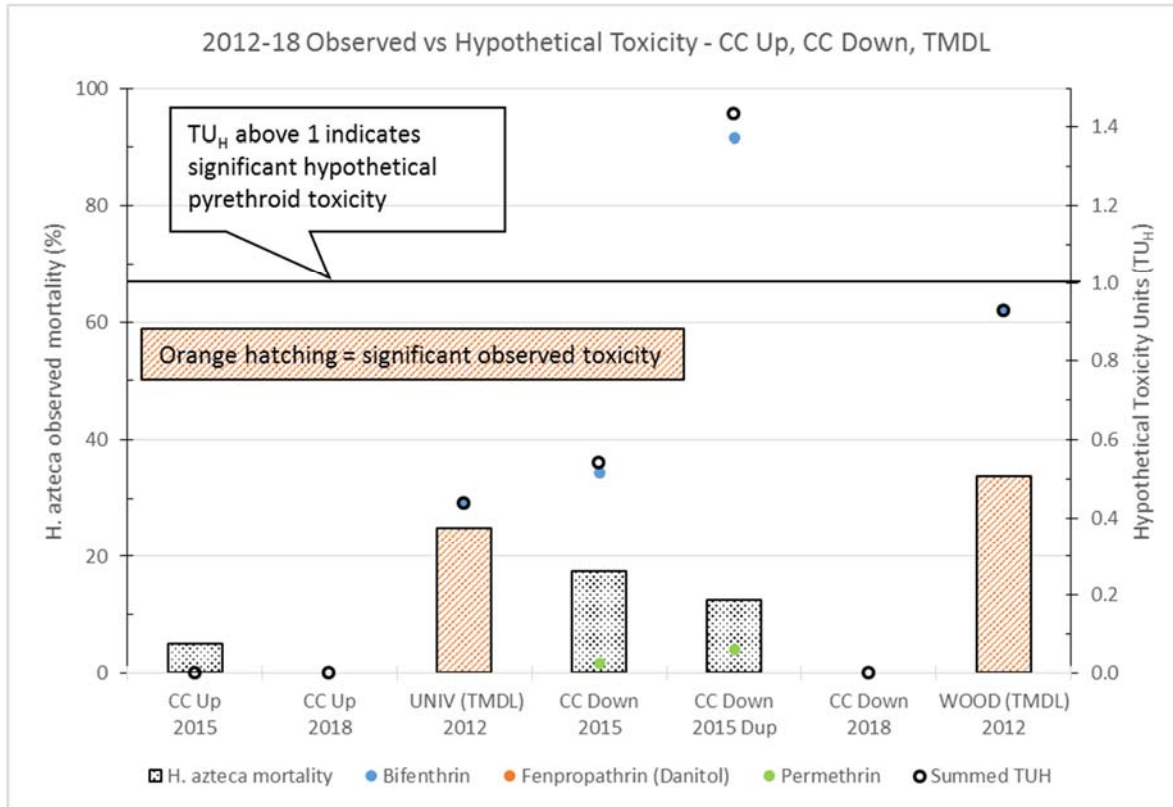
No pyrethroids were detected in the 2018 Study samples, so all TU_H for 2018 are equal to zero and toxicity due to pyrethroids is not expected. This was supported by the lack of toxicity observed in the sediment samples for both survival and growth.

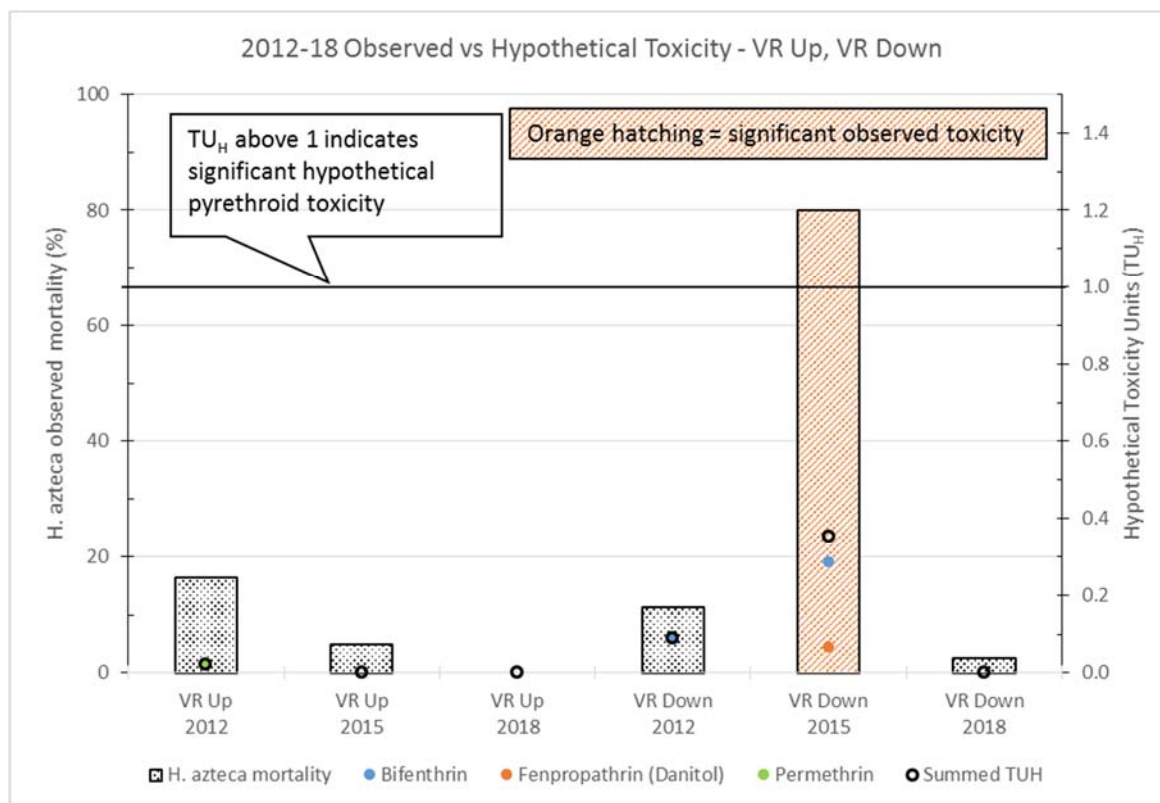
The 2012-2018 results are summarized by watershed in the figures below, showing their measured toxicity (% mortality) as compared to their hypothetical pyrethroid toxicity units. In some cases, e.g. UNIV (2012), SCR Up (2015), and VR Down (2015), significant toxicity was observed but the TU_H were low, in which case a different contaminant is likely the cause of the observed toxicity. At WOOD (2012), pyrethroids may have contributed to or been the cause of the toxicity observed in the sample, since the pyrethroid TU_H is close to 1. For CC Down Dup (2015), the TU_H were high but the observed toxicity was not, which may be due to other factors such as antagonistic effects with other components in the sample or subsample differences (e.g. differences in concentrations of TOC and pyrethroids). Subsample differences seem a likely cause since CC Down (2015) had a similar observed toxicity but a lower TU_H mostly due to higher TOC and lower bifenthrin concentrations.

Except for the CC Down Dup (2015), the TU_H for the Study samples were all less than one (Table 7) and so pyrethroid toxicity is not expected to be an issue for these samples according to this evaluation method. For the CC Down Duplicate, even though the TU_H was greater than one, the measured toxicity units were not above one, which means that significant toxicity was not observed in the *H. azteca* test.

The study referenced in the Permit does not contain an LC50 for dichloran or pendimethalin, however the lack of toxicity in the environmental sample infers a TU_H of less than one for these analytes. The TU_H were not correlated with the observed toxicity, possibly due to the presence of unanalyzed constituents in the samples.

Figure 14. Hypothetical Toxicity Units Vs. Observed Toxicity – By Watershed





Pyrethroid pesticides were more prevalent in the downstream samples for most analytes/watersheds.

POTENTIAL PESTICIDE SOURCES

The application of pesticides for residential, industrial, and commercial use is not tracked, except for structural pest control by certified applicators. Many pesticides have both general use (lower concentrations and/or small areas) and restricted use (higher concentrations and/or large-scale applications) formulations. General use pesticides can be applied by anyone however restricted use pesticides applications require California Department of Pesticide Regulation (CDPR) Certified Pesticide Applicators.

The pounds of pesticides applied annually for agriculture and structural pest control is tracked by the CDPR. The *Annual Pesticide Use Report Indexed by Chemical* (PUR) for Ventura County summarizes the annual reported pesticide use for regulated applications, including agriculture (e.g. food and ornamental), structural pest control, and other purposes (e.g. animal premise, golf course turf, landscape maintenance, public health, regulatory pest control, rights of way, vertebrate control, etc.). These reports typically become available two years after the year referenced, so 2017 and 2018 were unavailable for this Study report. The pounds used for regulated uses of the detected pesticides in this Study are summarized in Table 8.

Table 8. Ventura County Pesticide Use (Pounds) Reported to California Department of Pesticide Regulation (DPR)

Pesticide	2011					2012				
	Total Pounds	Agriculture	Structural	Other	Major crop - pounds	Total Pounds	Agriculture	Structural	Other	Major crop - pounds
Bifenthrin	2771.79	1732.74	1005.79	33.26	Strawberry 1499	2911.63	1673.06	1211.49	27.08	Strawberry 1364
Permethrin	4742.67	3635.45	1059.45	47.77	Celery 2162	4625.02	2060.4	2515.73	48.89	Celery 873
Fenpropathrin (Danitol)**	969.21	969.21	0	0	Strawberry 849	788.71	788.08	0	0.63	Strawberry 595
Dichloran*,**	22733.97	22733.97	0	0	Celery 21916	15545.81	15545.81	0	0	Celery 14854
Pendimethalin*,**	2788.84	2627.32	0	161.52	Strawberry 2515	5983.35	5739.14	0	244.21	Strawberry 5140

Pesticide	2013					2014				
	Total Pounds	Agriculture	Structural	Other	Major crop - pounds	Total Pounds	Agriculture	Structural	Other	Major crop - pounds
Bifenthrin	3350.01	1635.33	1684.09	30.59	Strawberry 1253	4699.88	2453.05	2133.09	113.74	Strawberry 1413
Permethrin	4678.32	2408.77	2201.2	68.35	Celery 1142	3807.76	2755.71	933.95	118.1	Celery 945
Fenpropathrin (Danitol)**	1668.9	1668.9	0	0	Strawberry 1307	1820.92	1820.92	0	0	Strawberry 1215
Dichloran*,**	19557.51	19557.51	0	0	Celery 18984	19983.11	19983.11	0	0	Celery 19347
Pendimethalin*,**	11899.69	11862.37	0	37.32	Strawberry 10855	12617.4	12557.56	0	59.84	Strawberry 11255

Pesticide	2015					2016				
	Total Pounds	Agriculture	Structural	Other	Major crop - pounds	Total Pounds	Agriculture	Structural	Other	Major crop - pounds
Bifenthrin	6048.4	2657.4	3362.52	28.48	Strawberry 1615	3239.03	2003.42	1123.58	112.03	Strawberry 1068
Permethrin	3222.6	2503.93	660.79	57.88	Container plants 906, Celery 657	2865.9	2193.48	612.48	59.94	Celery 721
Fenpropathrin (Danitol)**	2131.63	2130.85	0	0.78	Strawberry 1852	1831.09	1831.09	0	0	Strawberry 1250
Dichloran*,**	18702.35	18702.35	0	0	Celery 18146	17521.95	17521.95	0	0	Celery 17400
Pendimethalin*,**	11350.8	11296.26	0	54.54	Strawberry 8854	12068.51	11978.68	0	89.83	Strawberry 10089

* Not analyzed by TMDL

** Analytes not required by Permit

Other - Includes animal premise, golf course turf, landscape maintenance, public health, regulatory pest control, rights of way, vertebrate control, unknown
Data from Pesticide Use Annual Summary Reports at <https://www.cdpr.ca.gov/docs/pur/purmain.htm>, indexed by Chemical and restricted to Ventura County
E.g "Department of Pesticide Regulation 2015 Annual Pesticide Use Report Indexed by Chemical - Ventura County"

There is approximately a two-year delay for the California Department of Pesticide Regulation Annual Pesticide Use Reports (PUR) to become available online. This means that 2011 and 2012 PUR were unavailable for the 2012 Study report, 2014 and 2015 PUR were unavailable for the 2015 Study report, and 2017 and 2018 PUR were unavailable for the 2018 Study Report.

Five pesticides (three pyrethroids and two non-pyrethroids) were detected by the laboratory's pyrethroid analytical method during the Study. Bifenthrin and permethrin are pyrethroid insecticides that have both agricultural and urban and general and restricted use applications. Bifenthrin and permethrin are both used in significant quantities for regulated applications for structural and agricultural pest control in Ventura County but are also known to have unregulated applications for residential and industrial uses, which are not tracked. The pyrethroid insecticide fenpropathrin and the non-pyrethroid fungicide dichloran are agricultural pesticides without urban uses. The non-pyrethroid herbicide pendimethalin is used for agricultural and urban uses. Fenpropathrin, dichloran, and pendimethalin are not used for structural pest control in Ventura County.

Bifenthrin is used as a restricted use pesticide in orchards, nurseries, and buildings (e.g. structural pest control). Some products with lower concentrations are available for unrestricted residential use for indoor and outdoor insect control. Bifenthrin was detected at all Study sites except CC Up and VR Up at least once from 2012-2018. All the sites at which bifenthrin was detected (TMDL sites in 2012, CC Down in 2015, VR Down in 2012 and 2015, SCR Up in 2012, and SCR Down in 2012 and 2015) have both urban and agricultural influences but are in predominantly agricultural areas. In contrast, CC Up doesn't have urban or agricultural influences and VR Up has a small amount of agriculture and low-density housing. WOOD 2012 is a predominantly agricultural site and given its location within the Oxnard Plain, an area notable for its large crops of strawberries, peppers, and leafy green vegetables, the source of the bifenthrin is likely agricultural, however there are upstream discharges from urban areas.

Permethrin is a restricted use pesticide for crop and wide area applications (e.g. nurseries, sod farms) but is also a general use pesticide for residential (e.g. indoor and outdoor spaces, pets) and industrial applications. According to the United States Environmental Protection Agency's "Reregistration Eligibility Decision (RED) for Permethrin (December 2007)", approximately 70% of permethrin is used in non-agricultural settings and approximately 30% is used on food/feed crops in agricultural settings. The RED states that approximately 55% of the non-agricultural applications are made by professionals, 41% by homeowners on residential areas, and 4% on mosquito abatement areas. Permethrin was only detected at VR Up in 2012, which is downstream of a small amount of agriculture and low-density housing, and at ME-CC in 2015, which has both urban and agricultural influences. The TMDL permethrin detection limit of 5 ng/g is above/near the quantities measured in the 2015 CC Down samples, so the higher TMDL detection limit may have obscured the presence of similar concentrations of permethrin in the TMDL samples. The CDPR reports show that the regulated use of permethrin in Ventura County is predominantly for row crops and structural pest control, however according to the Environmental Health Tracking Program (www.cehtp.org/pesticidetool), which uses CDPR data, there were no applications near VR Up, so the source may be from unregistered residential users but the data is inconclusive at this time.

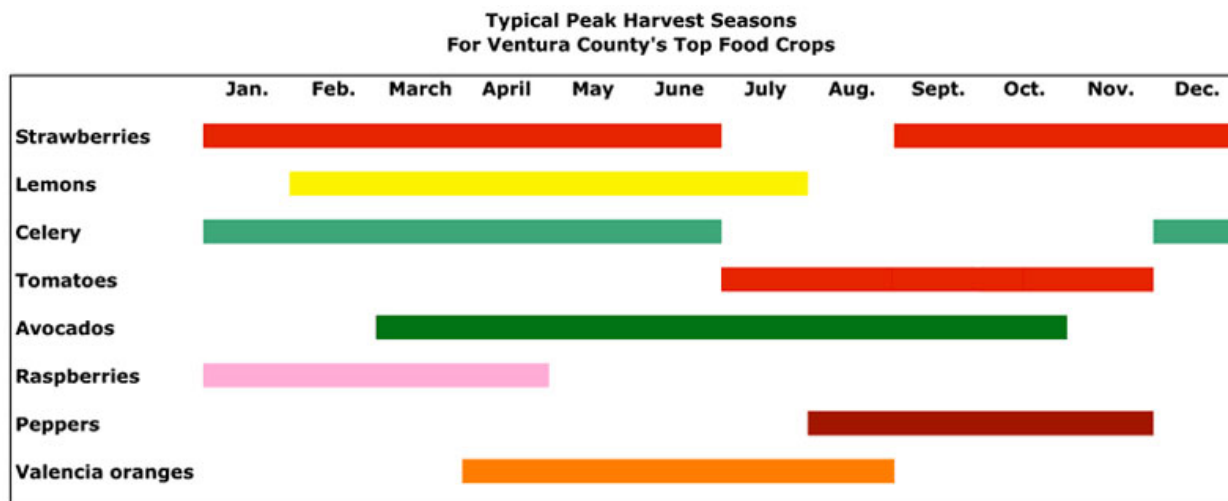
Fenpropathrin is a pyrethroid insecticide that is registered for multiple crops but its restricted use designation makes it unlikely to have an urban source, however it can be used to treat Asian citrus psyllid infestations (as can cyfluthrin, which was not detected), which have become a problem in Ventura County. It was only detected once during the Study, at VR Down in 2015.

Dichloran is a (non-pyrethroid) general use fungicide with no residential uses [DCNA (Dicloran) Reregistration Eligibility Decision (RED) Fact Sheet (EPA 738-F-06-013, July 2006)], therefore the detected dichloran is not from an urban source. Dichloran was only detected at one site, SCR Down, and was detected during all three study years (2015, 2015, and 2018).

Pendimethalin is a (non-pyrethroid) general use selective herbicide used to control broadleaf weeds and grassy seed species in agricultural and non-agricultural settings. Pendimethalin was predominantly detected in the Santa Clara River Watershed at SCR Up and SCR Down in 2012 and 2015, but it was also detected at CC Down in 2015. It is unknown if the detection of this non-pyrethroid is related to an urban source, but its concentrations tended to be higher at the downstream sites, where agriculture is a more direct influence.

The PUR are summarized by calendar year, however samples for this Study were collected in April/May so the previous year's applications are also relevant. Strawberry and celery are among the top 10 crops grown in Ventura County, and are also the major crops on which the five detected pesticides (3 pyrethroids and 2 non-pyrethroids) are applied. Additionally, as seen in Figure 15, the strawberry and celery growing seasons lead into the sampling period. This suggests that the pesticides could have an agricultural source, however it does not exclude an urban source for those pesticides which have urban uses.

Figure 15. Peak Harvest Seasons



(Chart obtained from <http://www.farmbureauvc.com/new/images/typical-peak.jpg>)

PESTICIDE USE TRENDS

According to the CDPR website (<https://www.cdpr.ca.gov/docs/pur/pur16rep/16sum.htm#trends>), "Since 1990, the reported pounds of pesticides applied and acres treated have fluctuated from year to year. These fluctuations can be attributed to a variety of factors, including changes in planted acreage,

crop plantings, pest pressures, and weather conditions. An increase or decrease in use from one year to the next or in the span of a few years may not necessarily indicate a general trend in use, but rather variations related to changes in weather, pricing, supply of raw ingredients, or regulations. Regression analyses on use over the last twenty years do not indicate a significant trend of either increase or decrease in total pesticide use.” These factors, combined with differences in rainfall and runoff intensities and amounts could all contribute to the variations in concentrations seen in the Study.

The 2017 and 2018 PUR data were not released by CDPR in time for inclusion in this report, so the comparison of analytical data to pesticide application amounts to look for trends are limited to the 2011-2016 period. The multiple factors that can affect fluctuations and the lack of PUR data for 2017 and 2018, combine to prevent drawing conclusions from any apparent trends. However, some possible trends from the current available data are visible in Figure 16, Figure 17, Figure 18, Figure 19, and Figure 20, and are described below.

Figure 16. 2011-2016 Bifenthrin Use in Ventura County (CDPR)

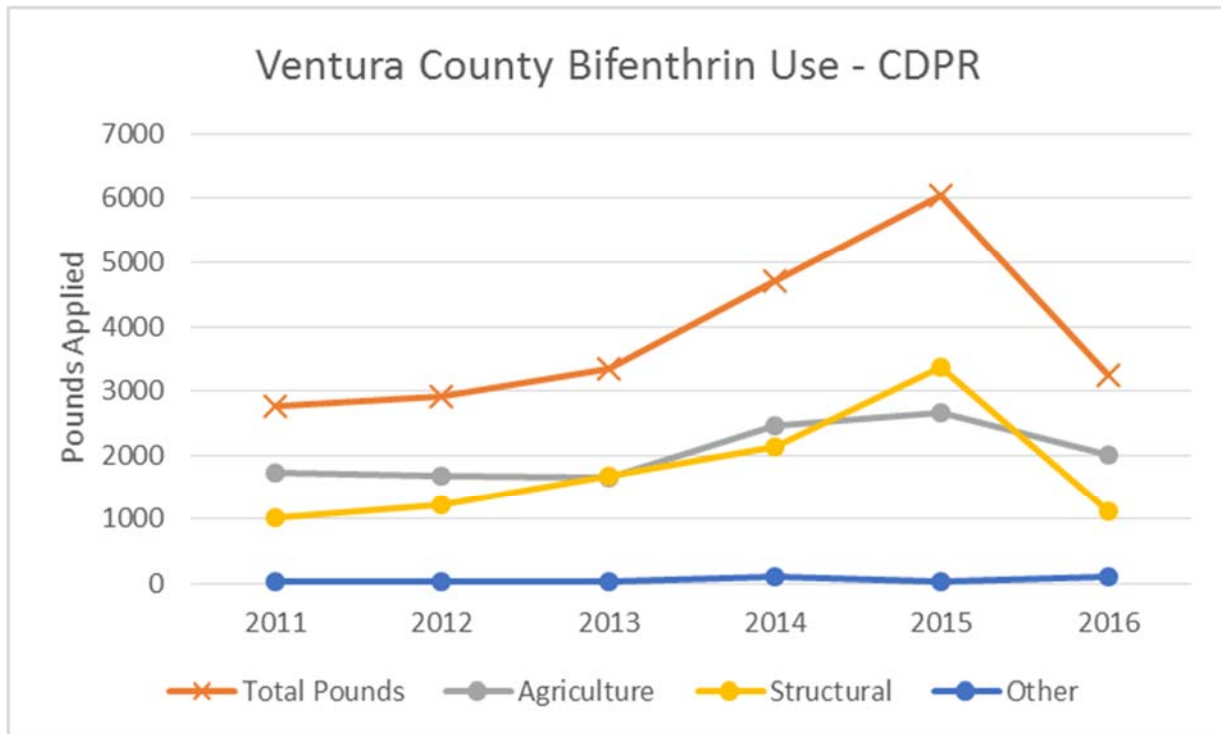


Figure 17. 2011-2016 Permethrin Use in Ventura County (CDPR)

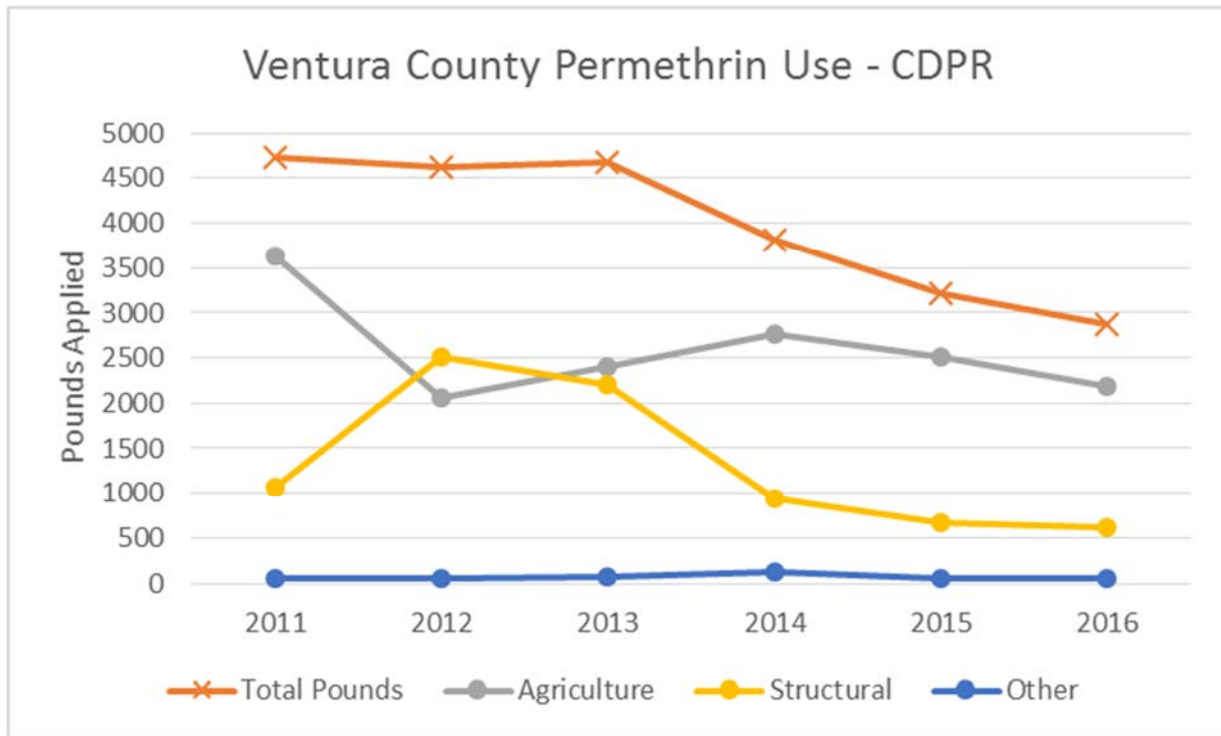


Figure 18. 2011-2016 Fenpropathrin (Danitol) Use in Ventura County (CDPR)

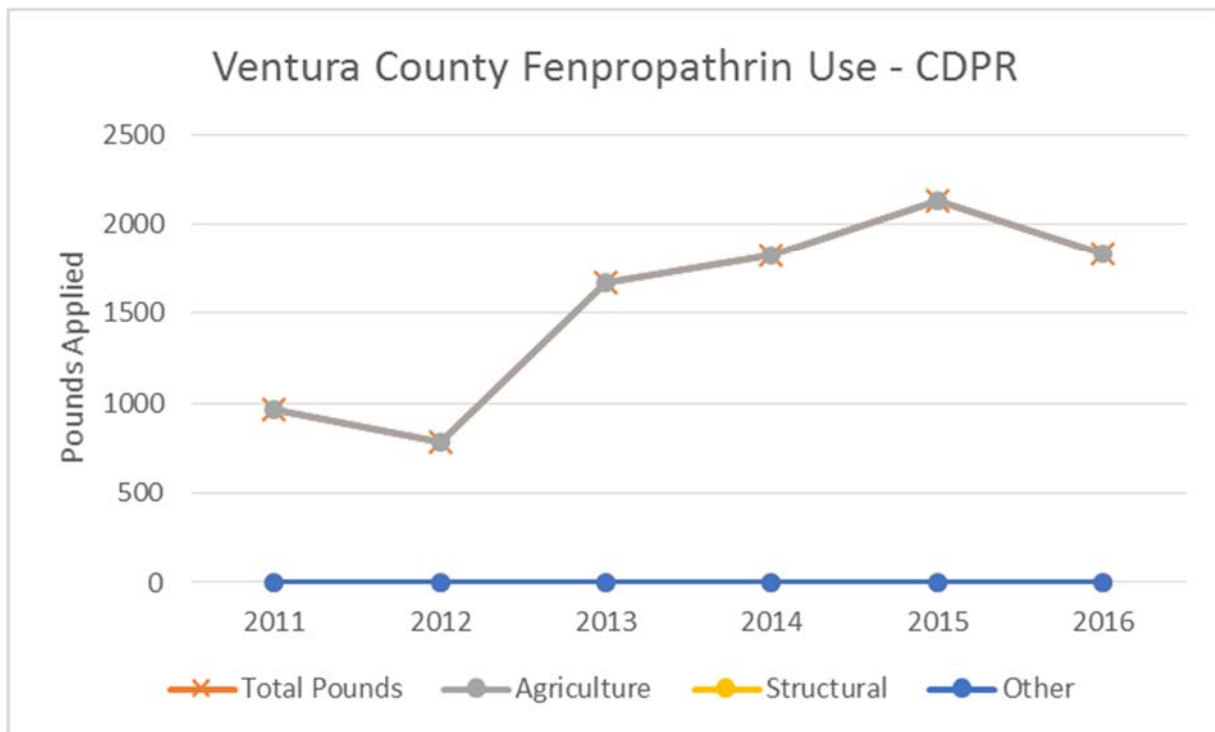


Figure 19. 2011-2016 Dichloran Use in Ventura County (CDPR)

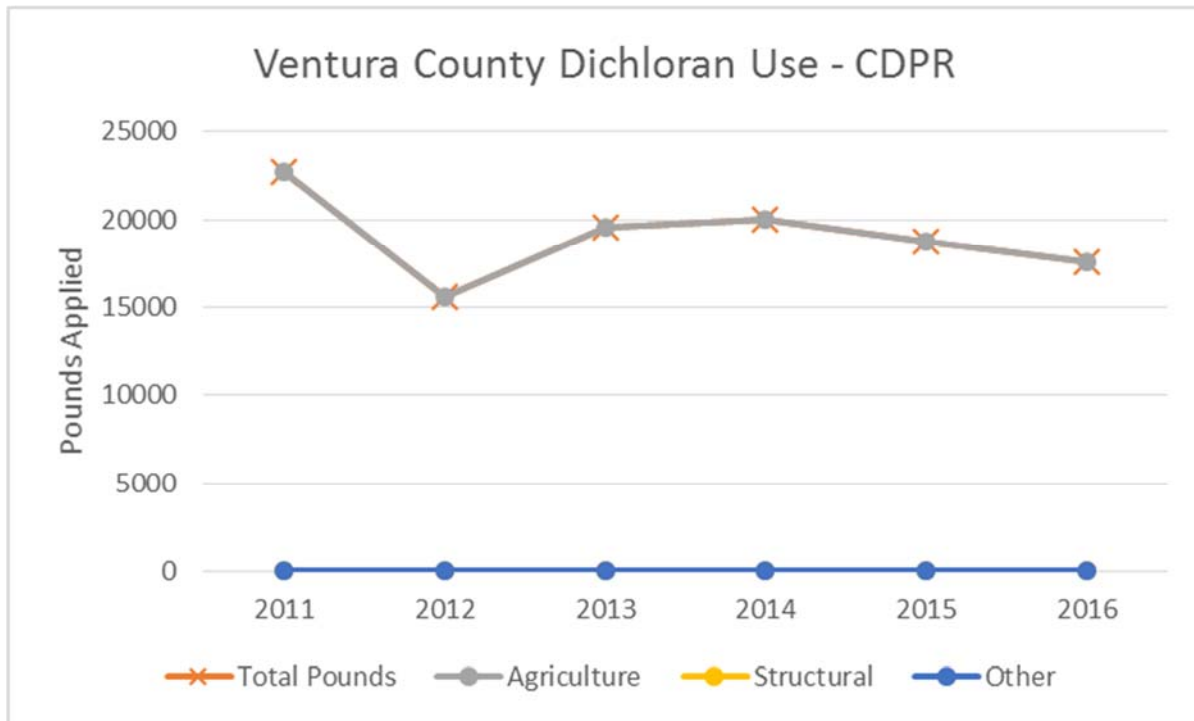
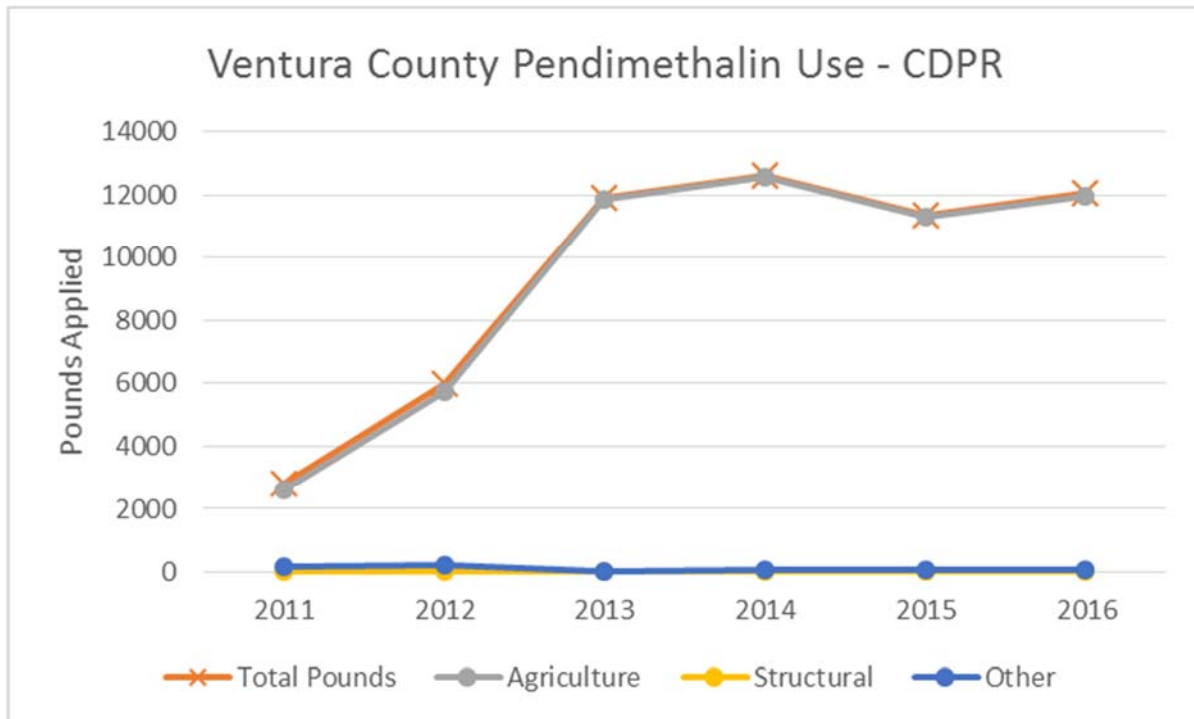


Figure 20. 2011-2016 Pendimethalin Use in Ventura County (CDPR)



The 2011-2016 PUR show dichloran and pendimethalin (non-pyrethroids) are used in larger quantities (pounds) for regulated applications (primarily agriculture) in the County than the pyrethroids bifenthrin,

permethrin, and fenpropathrin, however this was not typically reflected in the monitoring data (i.e. quantities and frequencies of detection). These five pesticides are all applied to strawberry or celery as their major crop, and these are among the top ten crops in Ventura County and are mainly grown in the lower regions of each watershed.

According to the 2011-2016 PUR, bifenthrin, fenpropathrin, and pendimethalin use appear to be trending upward since 2011 (although bifenthrin use decreased in 2016). Bifenthrin use (according to CDPR) was highest in 2015, which correlates with the concentrations measured at downstream sites. Bifenthrin structural use increased in the county between 2012 and 2015, and briefly exceeded agricultural use in 2015. Permethrin use appears to be decreasing (largely due to decreased use for structural pest control use) and dichloran use appears to be staying relatively stable over the 2011-2016 period. The 2017 and 2018 data are unavailable to see if the trend continues.

PESTICIDE REDUCTION EFFORTS

Integrated Pest Management Programs

A model integrated pest management (IPM) program was drafted through the Public Agencies Activities Subcommittee and used as a template by the Permittees to develop their own plans by November 2009. This standardized protocol was amended in February 2014 at the amended version is posted on Program's website at: <http://www.vcstormwater.org/index.php/publications/manuals/pesticide-application-protocol>.

The prevention of pesticides from harming non-target organisms is the primary goal of the Permittees IPM program. The intent is to focus on preventing pesticides, fertilizers, and herbicides from entering the storm drain system and discharging to receiving waters. This protocol is applicable to 1) the outdoor use of pesticides, herbicides, and fertilizers; 2) the use of pesticides and fertilizers where the materials may come into contact with precipitation; 3) the use of pesticides, herbicides, and fertilizers where these materials may come into contact with runoff (natural or induced); and 4) the use of pesticides, herbicides, or fertilizers anywhere where they may be directly or indirectly discharged to a storm drainage system.

An effective IPM program includes the following elements:

- Pesticides are used only if monitoring indicates they are needed according to established guidelines.
- Treatment is made with the goal of removing only the target organism.
- Pest controls are selected and applied in a manner that minimizes risks to human health, beneficial, non-target organisms, and the environment.
- The use of pesticides, including organophosphates and pyrethroids do not threaten water quality.
- Partner with other agencies and organizations to encourage the use of IPM.

- Adopt and verifiably implement policies, procedures, and/or ordinances requiring the minimization of pesticide use and encouraging the use of IPM techniques (including beneficial insects) in the Permittees' overall operations and on municipal property.
- Policies, procedures, and ordinances shall include commitments and timelines to reduce the use of pesticides that cause impairment of surface waters by implementing the following procedures:
 - Quantify pesticide use by its staff and hired contractors.
 - Prepare and annually update an inventory of pesticides used by all internal departments, divisions, and other operational units.
 - Demonstrate reductions in pesticide use.

The protocol is applicable to any Permittee staff and contracted services that apply pesticides, fertilizers, or herbicides. Such staff commonly include, park, public works, purchasing, building/grounds maintenance, hazardous materials, and pesticide application staff. It is not applicable to the indoor use of pesticides, herbicides or fertilizers, but is applicable to the consequential outdoor handling, mixing, transport, or disposal of materials related to indoor use. This protocol also does not apply when another NPDES permit and/or abatement orders are in effect at the selected site. Furthermore, this protocol is not intended to replace federal or state requirements or provide complete directions for applying, handling, transporting, mixing, or storing pesticides, fertilizers, or herbicides.

Public Outreach and Education on Pesticide Use

Ventura County's Community for a Clean Watershed (CCW) is the Program's public outreach effort, and it regularly targets pesticide use in its campaigns. CCW has developed creative materials to promote the safe and correct use of outdoor pesticides. The animated "More, Better" television commercial graphically demonstrates how using too much pesticide results in runoff into the storm drains, eventually making it into the Watershed where it adversely affects plants and animals. The radio spot was a humorous adaptation of the television ad, featuring the two animated characters as they defend their house against garden pests and inadvertently poison the watershed. An animated web banner corresponded with both broadcast media while the transit shelters took a more direct approach showing a snail and telling residents "Don't kill an ocean just to keep pests out of your garden."



Spanish Language Pesticide Outreach



Newspaper Advertisement

In 2010, coinciding with the spring planting season, CCW ran a five-week campaign on television and radio, as well as animated web banners and transit shelter posters. A similar campaign was run in spring 2016 for four weeks, utilizing the thirty second radio spot, digital web banner, and six transit shelters showing the snail poster. The radio spot was also run for four weeks on Pandora in January – February 2017.

In February 2016, April 2016, and twice in January 2017, CCW sent out e-blasts targeting 100,000 homeowners in Ventura County each time. The e-blast promoted the Program's rain barrel and compost bin truckload sale and included links to the Program's "Yard Care Watershed Protection Tips" brochure and "Pesticides, Herbicides, & Fertilizer Application Best Practices" BMP sheet.

Retail Partnership Brochures: Nurseries and Gardeners

"Watershed Protection Tips for Gardeners" pamphlets were created in 2010 to encourage residents to follow best practices in their homes and yards when gardening and dealing with pests. These brochures were distributed to targeted retail stores and numerous outreach events across the county to reach the population that is likely involved in the activities. The colorful pamphlet defines the Watershed, explains the storm drain system, how and why polluted water is damaging, and gives both overall and topic-specific tips for how to keep the Watershed clean. The pamphlet covers plant selection, irrigation, fertilizer and pesticide practices, integrated pest management, and proper yard maintenance. The pamphlet was updated in 2016 to include pictures of drought tolerant plants and an updated link to Integrated Pest Management resources.

The Program also created a best management practices fact sheet covering commercial pesticide, herbicide, & fertilizer application and a poster covering best management practices for nurseries. These were distributed during stormwater business inspections. All the materials are also posted on the CCW website www.cleanwatershed.org.



2010 Gardening Retail Partnership Brochure



2016 Gardening Retail Partnership Brochure

RECOMMENDATIONS

Urban use of pesticides remains one of the priority pollutants for the Program. Through maintaining a strong public outreach effort to educate the public on the use and handling of pesticides coupled with household hazardous waste collections providing proper disposal of unwanted products, the Program expects to reduce the pesticide contamination in stormwater discharge. The results of this study, and the previous studies in 2012 and 2015, do not directly show a link between pyrethroids and significant toxicity in the samples, therefore the instances of measured toxicity could be from other pesticides or other pollutants. The Program is committed to reducing all pollutants in MS4 runoff and through the continued implementation of the Program, these other potential causes of toxicity will be addressed.

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