



Marine Laboratories, Inc.

"A Center for Excellence in Analytical Chemistry and Environmental Microbiology"

November 13, 2008

Heal the Bay
1444 9th Street
Santa Monica, CA 90401

Re: CRG Marine Laboratories
Heal the Bay

Project ID: HTB001c
Project ID: Compton Creek Watershed

ATTN: James Alamillo

CRG Laboratories is pleased to provide you with the enclosed analytical data report for your Compton Creek Watershed project. According to the chain-of-custody, 3 samples were received intact at CRG on 10/15/2008. Per your instructions, the samples were analyzed for:

- Trace Metals By ICPMS Using Method EPA 6020m
- Mercury (Hg) By CVAFS Using Method EPA 245.7m
- Organophosphorus Pesticides By GCMS Using Method EPA 8270Cm
- Polynuclear Aromatic Hydrocarbons By GCMS Using Method EPA 8270Cm

Please don't hesitate to call if you have any questions and thank you very much for using our laboratory for your analytical needs.

Regards,
Rhonda Moeller

Reviewed and Approved _____

Project Sample List

Heal the Bay

CRG Project ID: **HTB001c**

Project Officer: James Alamillo

Project Description: Compton Creek Watershed

<i>CRG Sample ID#</i>	<i>Client Sample ID</i>	<i>Sample Description</i>	<i>Date Sampled</i>	<i>Matrix</i>
76026	S1		15-Oct-08	Sediment
76027	S2		15-Oct-08	Sediment
76028	S5		15-Oct-08	Sediment

CRG's QUALITY ASSURANCE

PROGRAM SUMMARY

BATCH: CRG's Quality Assurance Program Document defines a batch as a group of 20 or fewer samples of similar matrix, processed together under the same conditions and with the same reagents. Quality control samples are associated with each batch and are used to assess the validity of the sample analyses. CRG typically uses batch sizes of 10-15 samples.

PROCEDURAL BLANKS: Laboratory contamination was controlled through the analysis of procedural blanks on a minimum frequency of 1 per batch. CRG's Quality Assurance Program Document requires that all procedural blanks be below 10 times the MDL and all detectable constituents in the blanks be flagged in the sample results. The Procedural Blanks are presented in the Procedural Blank section of this report.

ACCURACY: Accuracy of the project data was indicated by analysis of matrix spikes (MS/MSD), surrogate spikes, certified reference materials, positive controls, and/or laboratory control materials on a minimum frequency of 1 per batch. CRG's Quality Assurance Program Document requires that 95% of the target compounds greater than 10 times the MDL be within the specified acceptance limits. The Acceptance Ranges are presented in the Accuracy Data section of this report.

PRECISION: Precision of the project data was determined by analysis of duplicate matrix spikes, blank spikes, and/or duplicate test sample analysis on a minimum frequency of 1 per batch. CRG's Quality Assurance Program Document requires that for 95% of the compounds >10 times the MDL, the % Relative Percent Difference (%RPD) should be within the specified acceptance range. The %RPD for the duplicate test sample analysis can be significantly affected by the homogeneity of the sample matrix within the sample container itself causing additional variability in the analytical results. In these cases, the QA/QC Acceptance Limits may be exceeded. The %RPD and Acceptance Ranges are presented in the Precision Data section of this report.

TOTAL/DISSOLVED: In some instances, the results for the "Dissolved" fraction can be higher than the "Total" fraction for a particular parameter. This is typically caused by the analytical variation for each result and indicates that the target parameter is primarily in the dissolved phase.

GLOSSARY OF TERMS

<u>Qualifier</u>	<u>Definition</u>
B	Analyte was detected in the associated method blank.
E	Analyte concentration exceeds the calibration range
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
M1	Recovery of the MS and/or MSD compound was out of control due to matrix interference.
M2	The MS/MSD RPD was out of control due to matrix interference.
M3	Detection of the analyte was difficult due to matrix interference.
M4	Spike or surrogate compound recovery was out of control due to matrix interference. The associated method blank spike or surrogate compound was in control and therefore the sample data was reported without further clarification.

M5	Recovery of the MS and/or MSD compound was out of control due to an unknown compound(s) in the sample that interferes with the known target compound causing an increased response.
M6	Recovery of the MS and/or MSD compound was out of control due to unknown heavy hydrocarbons detected in the sample which elevates the baseline.
ND or U NES	Parameter not detected at the indicated reporting limit.
Q1	Not enough sample.
Q1	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration.
Q2	The sample RPD was out of control. Sample is heterogeneous and sample homogeneity could not be readily achieved using routine laboratory practices.
Q3	RPD values are not accurate and not applicable because the results for R1 and/or R2 are lower than 10 times the MDL.
Q4	Due to the sample rate of the instrument, the peak area was underestimated because the apex of the peak was missed. This random error has caused this compound to fail for the spike and/or precision. This failure does not indicate any significant problems with the analysis of this sample and the data passes CRG's QAPP requirements.
Q5	Precision failed due to one of the sample extractions having lower recoveries than the duplicate.
Q6	CRG's Quality Assurance Program Document allows for 5% of the target compounds greater than 10 times the MDL to be outside the specified acceptance limits for precision and/or accuracy. This is often due to random error and cannot be attributed to a specific issue.

Qualifier Summary for HTB001c

Organophosphorus Pesticides

<i>Sample ID</i>	<i>Client Sample ID</i>	<i>Qualifier</i>	<i>Parameter</i>
76028-MS1	S5	M4	(PCB030)
76028-MS1	S5	M4	(TCMX)
76028-MS2	S5	M4	(TCMX)
76028-R2	S5	Q5	(TCMX)
76025-BS1	QAQC	Q6	Bolstar (Sulprofos)
76025-BS2	QAQC	Q6	Bolstar (Sulprofos)
76028-MS1	S5	M4	Malathion
76028-MS2	S5	M4	Malathion
76028-MS1	S5	M4	Methyl Parathion
76028-MS2	S5	M4	Methyl Parathion

Qualifier Summary for HTB001c

Polynuclear Aromatic Hydrocarbons

<i>Sample ID</i>	<i>Client Sample ID</i>	<i>Qualifier</i>	<i>Parameter</i>
76026-R1	S1	J	2,3,5-Trimethylnaphthalene
76028-R1	S5	J	2,3,5-Trimethylnaphthalene
76028-R2	S5	J	2,3,5-Trimethylnaphthalene
76028-MS2	S5	Q1	2,6-Dimethylnaphthalene
76027-R1	S2	J	Acenaphthene
76026-R1	S1	J	Acenaphthylene
76028-R2	S5	Q5	Benzo[a]pyrene
76028-MS1	S5	M4	Dibenz[a,h]anthracene
76028-MS2	S5	M4	Dibenz[a,h]anthracene
76028-R2	S5	Q5	Indeno[1,2,3-c,d]pyrene
76028-R2	S5	Q5	Perylene

Qualifier Summary for HTB001c

Trace Metals

<i>Sample ID</i>	<i>Client Sample ID</i>	<i>Qualifier</i>	<i>Parameter</i>
76026-R1	S1	J	Thallium (Tl)

DATA REPORT

2020 Del Amo Blvd., Suite 200, Torrance, CA 90501-1206 (310) 533-5190 FAX (310) 533-5003 crglabs@sbcglobal.net

Organophosphorus Pesticides

ANALYTICAL REPORT

[illegible]

CRG Marine Laboratories, Inc.

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Organophosphorus Pesticides

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
(PCB112)	NA	61			% Recovery	42021	10/30/2008	11/9/2008	EPA 8270Cm	
(PCB198)	NA	71			% Recovery	42021	10/30/2008	11/9/2008	EPA 8270Cm	
(TCMX)	NA	58			% Recovery	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Bolstar (Sulprofos)	NA	ND	10	20	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Chlorpyrifos	NA	ND	5	10	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Demeton	NA	ND	10	20	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Diazinon	NA	ND	5	10	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Dichlorvos	NA	ND	10	20	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Dimethoate	NA	ND	5	10	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Disulfoton	NA	ND	10	20	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Ethoprop (Ethoprofos)	NA	ND	10	20	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Fenchlorphos (Ronnell)	NA	ND	10	20	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Fensulfothion	NA	ND	10	20	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Fenthion	NA	ND	10	20	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Malathion	NA	ND	5	10	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Merphos	NA	ND	10	20	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Methyl Parathion	NA	ND	10	20	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Mevinphos (Phosdrin)	NA	ND	10	20	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Phorate	NA	ND	10	20	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Tetrachlorvinphos (Stirofos)	NA	ND	10	20	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Tokuthion	NA	ND	10	20	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Trichloronate	NA	ND	10	20	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	

76028-R1 **S5** **Sediment** **Sampled: 15-Oct-08** **12:35** **Received: 15-Oct-08**

(PCB030)	NA	60			% Recovery	42021	10/30/2008	11/9/2008	EPA 8270Cm	
(PCB112)	NA	70			% Recovery	42021	10/30/2008	11/9/2008	EPA 8270Cm	
(PCB198)	NA	88			% Recovery	42021	10/30/2008	11/9/2008	EPA 8270Cm	
(TCMX)	NA	50			% Recovery	42021	10/30/2008	11/9/2008	EPA 8270Cm	

HTB001c **Compton Creek Watershed**

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Organophosphorus Pesticides

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Bolstar (Sulprofos)	NA	ND	10	20	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Chlorpyrifos	NA	ND	5	10	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Demeton	NA	ND	10	20	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Diazinon	NA	ND	5	10	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Dichlorvos	NA	ND	10	20	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Dimethoate	NA	ND	5	10	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Disulfoton	NA	ND	10	20	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Ethoprop (Ethoprofos)	NA	ND	10	20	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Fenchlorphos (Ronnel)	NA	ND	10	20	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Fensulfothion	NA	ND	10	20	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Fenthion	NA	ND	10	20	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Malathion	NA	ND	5	10	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Merphos	NA	ND	10	20	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Methyl Parathion	NA	ND	10	20	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Mevinphos (Phosdrin)	NA	ND	10	20	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Phorate	NA	ND	10	20	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Tetrachlorvinphos (Stirofos)	NA	ND	10	20	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Tokuthion	NA	ND	10	20	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Trichloronate	NA	ND	10	20	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	

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Polynuclear Aromatic Hydrocarbons

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
76026-R1	S1				Sediment	Sampled: 15-Oct-08	11:40		Received: 15-Oct-08	
(d10-Acenaphthene)	NA	66			% Recovery	42021	10/30/2008	11/9/2008	EPA 8270Cm	
(d10-Phenanthrene)	NA	86			% Recovery	42021	10/30/2008	11/9/2008	EPA 8270Cm	
(d12-Chrysene)	NA	58			% Recovery	42021	10/30/2008	11/9/2008	EPA 8270Cm	
(d12-Perylene)	NA	98			% Recovery	42021	10/30/2008	11/9/2008	EPA 8270Cm	
(d8-Naphthalene)	NA	54			% Recovery	42021	10/30/2008	11/9/2008	EPA 8270Cm	
1-Methylnaphthalene	NA	11.6	1	5	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
1-Methylphenanthrene	NA	ND	1	5	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
2,3,5-Trimethylnaphthalene	NA	4.3	1	5	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	J
2,6-Dimethylnaphthalene	NA	113.8	1	5	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
2-Methylnaphthalene	NA	24.3	1	5	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Acenaphthene	NA	10.5	1	5	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Acenaphthylene	NA	4.8	1	5	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	J
Anthracene	NA	24.1	1	5	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Benz[a]anthracene	NA	55.3	1	5	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Benzo[a]pyrene	NA	86.5	1	5	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Benzo[b]fluoranthene	NA	92.4	1	5	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Benzo[e]pyrene	NA	103.7	1	5	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Benzo[g,h,i]perylene	NA	174.1	1	5	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Benzo[k]fluoranthene	NA	71.4	1	5	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Biphenyl	NA	456.8	1	5	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Chrysene	NA	124.1	1	5	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Dibenz[a,h]anthracene	NA	45.4	1	5	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Dibenzothiophene	NA	22.9	1	5	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Fluoranthene	NA	688.2	1	5	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Fluorene	NA	39	1	5	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Indeno[1,2,3-c,d]pyrene	NA	125.9	1	5	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	

HTB001c **Compton Creek Watershed**

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Polynuclear Aromatic Hydrocarbons

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Naphthalene	NA	24	1	5	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Perylene	NA	130.2	1	5	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Phenanthrene	NA	153.1	1	5	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Pyrene	NA	265.3	1	5	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
76027-R1	S2									
					Sediment	Sampled: 15-Oct-08	12:00		Received: 15-Oct-08	
(d10-Acenaphthene)	NA	58			% Recovery	42021	10/30/2008	11/9/2008	EPA 8270Cm	
(d10-Phenanthrene)	NA	78			% Recovery	42021	10/30/2008	11/9/2008	EPA 8270Cm	
(d12-Chrysene)	NA	64			% Recovery	42021	10/30/2008	11/9/2008	EPA 8270Cm	
(d12-Perylene)	NA	96			% Recovery	42021	10/30/2008	11/9/2008	EPA 8270Cm	
(d8-Naphthalene)	NA	36			% Recovery	42021	10/30/2008	11/9/2008	EPA 8270Cm	
1-Methylnaphthalene	NA	8.3	1	5	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
1-Methylphenanthrene	NA	ND	1	5	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
2,3,5-Trimethylnaphthalene	NA	10.6	1	5	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
2,6-Dimethylnaphthalene	NA	62.7	1	5	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
2-Methylnaphthalene	NA	12.8	1	5	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Acenaphthene	NA	4.2	1	5	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	J
Acenaphthylene	NA	10.8	1	5	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Anthracene	NA	50.9	1	5	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Benz[a]anthracene	NA	77.8	1	5	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Benzo[a]pyrene	NA	122.7	1	5	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Benzo[b]fluoranthene	NA	135.1	1	5	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Benzo[e]pyrene	NA	130.5	1	5	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Benzo[g,h,i]perylene	NA	204.2	1	5	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Benzo[k]fluoranthene	NA	50.1	1	5	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Biphenyl	NA	20.9	1	5	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Chrysene	NA	208.5	1	5	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Dibenz[a,h]anthracene	NA	ND	1	5	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	

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Polynuclear Aromatic Hydrocarbons

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Dibenzothiophene	NA	31.4	1	5	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Fluoranthene	NA	315.7	1	5	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Fluorene	NA	36.1	1	5	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Indeno[1,2,3-c,d]pyrene	NA	187.9	1	5	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Naphthalene	NA	ND	1	5	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Perylene	NA	174.9	1	5	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Phenanthrene	NA	206.2	1	5	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Pyrene	NA	336	1	5	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
76028-R1	S5				Sediment	Sampled: 15-Oct-08	12:35		Received: 15-Oct-08	
(d10-Acenaphthene)	NA	60			% Recovery	42021	10/30/2008	11/9/2008	EPA 8270Cm	
(d10-Phenanthrene)	NA	84			% Recovery	42021	10/30/2008	11/9/2008	EPA 8270Cm	
(d12-Chrysene)	NA	63			% Recovery	42021	10/30/2008	11/9/2008	EPA 8270Cm	
(d12-Perylene)	NA	102			% Recovery	42021	10/30/2008	11/9/2008	EPA 8270Cm	
(d8-Naphthalene)	NA	42			% Recovery	42021	10/30/2008	11/9/2008	EPA 8270Cm	
1-Methylnaphthalene	NA	26.6	1	5	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
1-Methylphenanthrene	NA	ND	1	5	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
2,3,5-Trimethylnaphthalene	NA	4.8	1	5	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	J
2,6-Dimethylnaphthalene	NA	3480.6	1	5	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
2-Methylnaphthalene	NA	34.5	1	5	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Acenaphthene	NA	26.3	1	5	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Acenaphthylene	NA	16.5	1	5	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Anthracene	NA	42.8	1	5	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Benz[a]anthracene	NA	135.1	1	5	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Benzo[a]pyrene	NA	192.2	1	5	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Benzo[b]fluoranthene	NA	254.8	1	5	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Benzo[e]pyrene	NA	277.3	1	5	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Benzo[g,h,i]perylene	NA	537.9	1	5	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	

HTB001c Compton Creek Watershed

CRG Marine Laboratories, Inc.

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Polynuclear Aromatic Hydrocarbons

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Benzo[k]fluoranthene	NA	142.1	1	5	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Biphenyl	NA	283.5	1	5	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Chrysene	NA	321.8	1	5	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Dibenz[a,h]anthracene	NA	165.2	1	5	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Dibenzothiophene	NA	ND	1	5	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Fluoranthene	NA	443	1	5	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Fluorene	NA	54.2	1	5	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Indeno[1,2,3-c,d]pyrene	NA	278.6	1	5	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Naphthalene	NA	85.9	1	5	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Perylene	NA	340.1	1	5	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Phenanthrene	NA	272.2	1	5	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	
Pyrene	NA	516.6	1	5	ng/dry g	42021	10/30/2008	11/9/2008	EPA 8270Cm	

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Trace Metals

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Antimony (Sb)	NA	0.512	0.025	0.05	µg/dry g	19148	10/30/2008	11/2/2008	EPA 6020m	
Arsenic (As)	NA	1.257	0.025	0.05	µg/dry g	19148	10/30/2008	11/2/2008	EPA 6020m	
Barium (Ba)	NA	88.62	0.025	0.05	µg/dry g	19148	10/30/2008	11/2/2008	EPA 6020m	
Beryllium (Be)	NA	0.06	0.025	0.05	µg/dry g	19148	10/30/2008	11/2/2008	EPA 6020m	
Cadmium (Cd)	NA	0.534	0.025	0.05	µg/dry g	19148	10/30/2008	11/2/2008	EPA 6020m	
Chromium (Cr)	NA	11.46	0.025	0.05	µg/dry g	19148	10/30/2008	11/2/2008	EPA 6020m	
Cobalt (Co)	NA	2.658	0.025	0.05	µg/dry g	19148	10/30/2008	11/2/2008	EPA 6020m	
Copper (Cu)	NA	31.77	0.025	0.05	µg/dry g	19148	10/30/2008	11/2/2008	EPA 6020m	
Iron (Fe)	NA	6527	1	5	µg/dry g	19148	10/30/2008	11/2/2008	EPA 6020m	
Lead (Pb)	NA	46.42	0.025	0.05	µg/dry g	19148	10/30/2008	11/2/2008	EPA 6020m	
Manganese (Mn)	NA	71.1	0.025	0.05	µg/dry g	19148	10/30/2008	11/2/2008	EPA 6020m	
Mercury (Hg)	NA	0.05	0.01	0.02	µg/dry g	5033	10/30/2008	11/4/2008	EPA 245.7m	
Molybdenum (Mo)	NA	0.848	0.025	0.05	µg/dry g	19148	10/30/2008	11/2/2008	EPA 6020m	
Nickel (Ni)	NA	9.444	0.025	0.05	µg/dry g	19148	10/30/2008	11/2/2008	EPA 6020m	
Selenium (Se)	NA	0.142	0.025	0.05	µg/dry g	19148	10/30/2008	11/2/2008	EPA 6020m	
Silver (Ag)	NA	0.062	0.025	0.05	µg/dry g	19148	10/30/2008	11/2/2008	EPA 6020m	
Strontium (Sr)	NA	34.53	0.025	0.05	µg/dry g	19148	10/30/2008	11/2/2008	EPA 6020m	
Thallium (Tl)	NA	ND	0.025	0.05	µg/dry g	19148	10/30/2008	11/2/2008	EPA 6020m	
Tin (Sn)	NA	0.952	0.025	0.05	µg/dry g	19148	10/30/2008	11/2/2008	EPA 6020m	
Titanium (Ti)	NA	198.8	0.025	0.05	µg/dry g	19148	10/30/2008	11/2/2008	EPA 6020m	
Vanadium (V)	NA	8.782	0.025	0.05	µg/dry g	19148	10/30/2008	11/2/2008	EPA 6020m	
Zinc (Zn)	NA	172.1	0.025	0.05	µg/dry g	19148	10/30/2008	11/2/2008	EPA 6020m	
76028-R1	S5				Sediment		Sampled: 15-Oct-08	12:35		Received: 15-Oct-08
Aluminum (Al)	NA	9805	1	5	µg/dry g	19148	10/30/2008	11/2/2008	EPA 6020m	
Antimony (Sb)	NA	6.245	0.025	0.05	µg/dry g	19148	10/30/2008	11/2/2008	EPA 6020m	
Arsenic (As)	NA	11.21	0.025	0.05	µg/dry g	19148	10/30/2008	11/2/2008	EPA 6020m	
Barium (Ba)	NA	347.1	0.025	0.05	µg/dry g	19148	10/30/2008	11/2/2008	EPA 6020m	

HTB001c **Compton Creek Watershed**

CRG Marine Laboratories, Inc.

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Trace Metals

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Beryllium (Be)	NA	0.237	0.025	0.05	µg/dry g	19148	10/30/2008	11/2/2008	EPA 6020m	
Cadmium (Cd)	NA	4.039	0.025	0.05	µg/dry g	19148	10/30/2008	11/2/2008	EPA 6020m	
Chromium (Cr)	NA	64.9	0.025	0.05	µg/dry g	19148	10/30/2008	11/2/2008	EPA 6020m	
Cobalt (Co)	NA	10.07	0.025	0.05	µg/dry g	19148	10/30/2008	11/2/2008	EPA 6020m	
Copper (Cu)	NA	268.6	0.025	0.05	µg/dry g	19148	10/30/2008	11/2/2008	EPA 6020m	
Iron (Fe)	NA	17510	1	5	µg/dry g	19148	10/30/2008	11/2/2008	EPA 6020m	
Lead (Pb)	NA	141.2	0.025	0.05	µg/dry g	19148	10/30/2008	11/2/2008	EPA 6020m	
Manganese (Mn)	NA	578.1	0.025	0.05	µg/dry g	19148	10/30/2008	11/2/2008	EPA 6020m	
Mercury (Hg)	NA	0.35	0.01	0.02	µg/dry g	5033	10/30/2008	11/4/2008	EPA 245.7m	
Molybdenum (Mo)	NA	10.56	0.025	0.05	µg/dry g	19148	10/30/2008	11/2/2008	EPA 6020m	
Nickel (Ni)	NA	49.89	0.025	0.05	µg/dry g	19148	10/30/2008	11/2/2008	EPA 6020m	
Selenium (Se)	NA	1.821	0.025	0.05	µg/dry g	19148	10/30/2008	11/2/2008	EPA 6020m	
Silver (Ag)	NA	0.585	0.025	0.05	µg/dry g	19148	10/30/2008	11/2/2008	EPA 6020m	
Strontium (Sr)	NA	460.9	0.025	0.05	µg/dry g	19148	10/30/2008	11/2/2008	EPA 6020m	
Thallium (Tl)	NA	0.09	0.025	0.05	µg/dry g	19148	10/30/2008	11/2/2008	EPA 6020m	
Tin (Sn)	NA	11.53	0.025	0.05	µg/dry g	19148	10/30/2008	11/2/2008	EPA 6020m	
Titanium (Ti)	NA	753.3	0.025	0.05	µg/dry g	19148	10/30/2008	11/2/2008	EPA 6020m	
Vanadium (V)	NA	39.58	0.025	0.05	µg/dry g	19148	10/30/2008	11/2/2008	EPA 6020m	
Zinc (Zn)	NA	1363	0.025	0.05	µg/dry g	19148	10/30/2008	11/2/2008	EPA 6020m	

QUALITY CONTROL REPORT

Crg Marine Laboratories, Inc.

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Organophosphorus Pesticides

QUALITY CONTROL REPORT

Analyte	Fraction	Batch ID	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
(PCB030)	NA	42021	75			% Recovery	100	0	75	61 - 120%	PASS				
(PCB112)	NA	42021	77			% Recovery	100	0	77	56 - 109%	PASS				
(PCB198)	NA	42021	86			% Recovery	100	0	86	56 - 110%	PASS				
(TCMX)	NA	42021	68			% Recovery	100	0	68	57 - 120%	PASS				
Bolstar (Sulprofos)	NA	42021	104.1	10	20	ng/dry g	211.1	0	49	61 - 151%	FAIL				Q6
Chlorpyrifos	NA	42021	177.5	5	10	ng/dry g	211.1	0	84	45 - 142%	PASS				
Demeton	NA	42021	109.8	10	20	ng/dry g	211.1	0	52	0 - 182%	PASS				
Diazinon	NA	42021	181.9	5	10	ng/dry g	211.1	0	86	45 - 137%	PASS				
Dichlorvos	NA	42021	179.9	10	20	ng/dry g	211.1	0	85	39 - 144%	PASS				
Dimethoate	NA	42021	65.7	5	10	ng/dry g	211.1	0	31	0 - 195%	PASS				
Disulfoton	NA	42021	98.6	10	20	ng/dry g	211.1	0	47	0 - 165%	PASS				
Ethoprop (Ethoprofos)	NA	42021	146.8	10	20	ng/dry g	211.1	0	70	50 - 138%	PASS				
Fenchlorphos (Ronnel)	NA	42021	168.8	10	20	ng/dry g	211.1	0	80	55 - 128%	PASS				
Fensulfothion	NA	42021	0	10	20	ng/dry g	211.1	0	0	0 - 221%	PASS				
Fenthion	NA	42021	141.2	10	20	ng/dry g	211.1	0	67	0 - 178%	PASS				
Malathion	NA	42021	138.7	5	10	ng/dry g	211.1	0	66	51 - 142%	PASS				
Merphos	NA	42021	107.4	10	20	ng/dry g	211.1	0	51	0 - 215%	PASS				
Methyl Parathion	NA	42021	126.4	10	20	ng/dry g	211.1	0	60	33 - 170%	PASS				
Mevinphos (Phosdrin)	NA	42021	137.8	10	20	ng/dry g	211.1	0	65	44 - 136%	PASS				
Phorate	NA	42021	185.3	10	20	ng/dry g	211.1	0	88	0 - 182%	PASS				
Tetrachlorvinphos (Stirofos)	NA	42021	139.8	10	20	ng/dry g	211.1	0	66	55 - 154%	PASS				
Tokuthion	NA	42021	162	10	20	ng/dry g	211.1	0	77	56 - 153%	PASS				
Trichloronate	NA	42021	161.8	10	20	ng/dry g	211.1	0	77	50 - 137%	PASS				

QAQC Procedural Blank DI Water

Prepared 10/30/2008

Analyzed 09-Nov-08

Blank Spike Dup 76025-BS2

(PCB030)	NA	42021	66			% Recovery	100	0	66	61 - 120%	PASS	13	30	PASS	
(PCB112)	NA	42021	75			% Recovery	100	0	75	56 - 109%	PASS	3	30	PASS	

HTB001c Compton Creek Watershed

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Organophosphorus Pesticides

QUALITY CONTROL REPORT

Analyte	Fraction	Batch ID	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
(PCB198)	NA	42021	89			% Recovery	100	0	89	56 - 110%	PASS	3	30	PASS	
(TCMX)	NA	42021	60			% Recovery	100	0	60	57 - 120%	PASS	12	30	PASS	
Bolstar (Sulprofos)	NA	42021	112.7	10	20	ng/dry g	211.1	0	53	61 - 151%	FAIL	8	30	PASS	Q6
Chlorpyrifos	NA	42021	158.2	5	10	ng/dry g	211.1	0	75	45 - 142%	PASS	11	30	PASS	
Demeton	NA	42021	100.9	10	20	ng/dry g	211.1	0	48	0 - 182%	PASS	8	30	PASS	
Diazinon	NA	42021	149.1	5	10	ng/dry g	211.1	0	71	45 - 137%	PASS	19	30	PASS	
Dichlorvos	NA	42021	157	10	20	ng/dry g	211.1	0	74	39 - 144%	PASS	14	30	PASS	
Dimethoate	NA	42021	87.1	5	10	ng/dry g	211.1	0	41	0 - 195%	PASS	28	30	PASS	
Disulfoton	NA	42021	92.3	10	20	ng/dry g	211.1	0	44	0 - 165%	PASS	7	30	PASS	
Ethoprop (Ethoprofos)	NA	42021	129.5	10	20	ng/dry g	211.1	0	61	50 - 138%	PASS	14	30	PASS	
Fenchlorphos (Ronnell)	NA	42021	155.9	10	20	ng/dry g	211.1	0	74	55 - 128%	PASS	8	30	PASS	
Fensulfothion	NA	42021	0	10	20	ng/dry g	211.1	0	0	0 - 221%	PASS	0	30	PASS	
Fenthion	NA	42021	138.6	10	20	ng/dry g	211.1	0	66	0 - 178%	PASS	2	30	PASS	
Malathion	NA	42021	130.1	5	10	ng/dry g	211.1	0	62	51 - 142%	PASS	6	30	PASS	
Merphos	NA	42021	123.1	10	20	ng/dry g	211.1	0	58	0 - 215%	PASS	13	30	PASS	
Methyl Parathion	NA	42021	122.8	10	20	ng/dry g	211.1	0	58	33 - 170%	PASS	3	30	PASS	
Mevinphos (Phosdrin)	NA	42021	152.1	10	20	ng/dry g	211.1	0	72	44 - 136%	PASS	10	30	PASS	
Phorate	NA	42021	166.9	10	20	ng/dry g	211.1	0	79	0 - 182%	PASS	11	30	PASS	
Tetrachlorvinphos (Stirofos)	NA	42021	144.2	10	20	ng/dry g	211.1	0	68	55 - 154%	PASS	3	30	PASS	
Tokuthion	NA	42021	157.1	10	20	ng/dry g	211.1	0	74	56 - 153%	PASS	4	30	PASS	
Trichloronate	NA	42021	159.3	10	20	ng/dry g	211.1	0	75	50 - 137%	PASS	3	30	PASS	

S5

Prepared 10/30/2008

Analyzed 09-Nov-08

Matrix Spike 76028-MS1

Sediment

(PCB030)	NA	42021	56			% Recovery	100	0	56	61 - 120%	FAIL				M4
(PCB112)	NA	42021	72			% Recovery	100	0	72	56 - 109%	PASS				
(PCB198)	NA	42021	81			% Recovery	100	0	81	56 - 110%	PASS				
(TCMX)	NA	42021	54			% Recovery	100	0	54	57 - 120%	FAIL				M4

HTB001c Compton Creek Watershed

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Organophosphorus Pesticides

QUALITY CONTROL REPORT

Analyte	Fraction	Batch ID	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
Bolstar (Sulprofos)	NA	42021	285.3	10	20	ng/dry g	379.2	0	75	61 - 151%	PASS				
Chlorpyrifos	NA	42021	312.7	5	10	ng/dry g	379.2	0	82	45 - 142%	PASS				
Demeton	NA	42021	273.3	10	20	ng/dry g	379.2	0	72	0 - 182%	PASS				
Diazinon	NA	42021	266.6	5	10	ng/dry g	379.2	0	70	45 - 137%	PASS				
Dichlorvos	NA	42021	412.9	10	20	ng/dry g	379.2	0	109	39 - 144%	PASS				
Dimethoate	NA	42021	307.5	5	10	ng/dry g	379.2	0	81	0 - 195%	PASS				
Disulfoton	NA	42021	190.3	10	20	ng/dry g	379.2	0	50	0 - 165%	PASS				
Ethoprop (Ethoprofos)	NA	42021	336.9	10	20	ng/dry g	379.2	0	89	50 - 138%	PASS				
Fenchlorphos (Ronnel)	NA	42021	276.3	10	20	ng/dry g	379.2	0	73	55 - 128%	PASS				
Fensulfothion	NA	42021	508.1	10	20	ng/dry g	379.2	0	134	0 - 221%	PASS				
Fenthion	NA	42021	210	10	20	ng/dry g	379.2	0	55	0 - 178%	PASS				
Malathion	NA	42021	0	5	10	ng/dry g	379.2	0	0	51 - 142%	FAIL				M4
Merphos	NA	42021	354.7	10	20	ng/dry g	379.2	0	94	0 - 215%	PASS				
Methyl Parathion	NA	42021	0	10	20	ng/dry g	379.2	0	0	33 - 170%	FAIL				M4
Mevinphos (Phosdrin)	NA	42021	448.2	10	20	ng/dry g	379.2	0	118	44 - 136%	PASS				
Phorate	NA	42021	275.9	10	20	ng/dry g	379.2	0	73	0 - 182%	PASS				
Tetrachlorvinphos (Stirofos)	NA	42021	253.5	10	20	ng/dry g	379.2	0	67	55 - 154%	PASS				
Tokuthion	NA	42021	419.9	10	20	ng/dry g	379.2	0	111	56 - 153%	PASS				
Trichloronate	NA	42021	275	10	20	ng/dry g	379.2	0	73	50 - 137%	PASS				

S5

Prepared 10/30/2008

Analyzed 09-Nov-08

Matrix Spike Dup 76028-MS2

Sediment

(PCB030)	NA	42021	65			% Recovery	100	0	65	61 - 120%	PASS	0	30	PASS	
(PCB112)	NA	42021	83			% Recovery	100	0	83	56 - 109%	PASS	0	30	PASS	
(PCB198)	NA	42021	92			% Recovery	100	0	92	56 - 110%	PASS	0	30	PASS	
(TCMX)	NA	42021	56			% Recovery	100	0	56	57 - 120%	FAIL	0	30	PASS	M4
Bolstar (Sulprofos)	NA	42021	276.6	10	20	ng/dry g	380.4	0	73	61 - 151%	PASS	3	30	PASS	
Chlorpyrifos	NA	42021	380.3	5	10	ng/dry g	380.4	0	100	45 - 142%	PASS	20	30	PASS	

HTB001c Compton Creek Watershed

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Organophosphorus Pesticides

QUALITY CONTROL REPORT

Analyte	Fraction	Batch ID	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
Demeton	NA	42021	225.3	10	20	ng/dry g	380.4	0	59	0 - 182%	PASS	20	30	PASS	
Diazinon	NA	42021	303.1	5	10	ng/dry g	380.4	0	80	45 - 137%	PASS	13	30	PASS	
Dichlorvos	NA	42021	490.7	10	20	ng/dry g	380.4	0	129	39 - 144%	PASS	17	30	PASS	
Dimethoate	NA	42021	271	5	10	ng/dry g	380.4	0	71	0 - 195%	PASS	13	30	PASS	
Disulfoton	NA	42021	156.7	10	20	ng/dry g	380.4	0	41	0 - 165%	PASS	20	30	PASS	
Ethoprop (Ethoprofos)	NA	42021	415.4	10	20	ng/dry g	380.4	0	109	50 - 138%	PASS	20	30	PASS	
Fenchlorphos (Ronnel)	NA	42021	293.2	10	20	ng/dry g	380.4	0	77	55 - 128%	PASS	5	30	PASS	
Fensulfothion	NA	42021	436.8	10	20	ng/dry g	380.4	0	115	0 - 221%	PASS	15	30	PASS	
Fenthion	NA	42021	222.8	10	20	ng/dry g	380.4	0	59	0 - 178%	PASS	7	30	PASS	
Malathion	NA	42021	0	5	10	ng/dry g	380.4	0	0	51 - 142%	FAIL	0	30	PASS	M4
Merphos	NA	42021	350.2	10	20	ng/dry g	380.4	0	92	0 - 215%	PASS	2	30	PASS	
Methyl Parathion	NA	42021	0	10	20	ng/dry g	380.4	0	0	33 - 170%	FAIL	0	30	PASS	M4
Mevinphos (Phosdrin)	NA	42021	502.1	10	20	ng/dry g	380.4	0	132	44 - 136%	PASS	11	30	PASS	
Phorate	NA	42021	271.8	10	20	ng/dry g	380.4	0	71	0 - 182%	PASS	3	30	PASS	
Tetrachlorvinphos (Stirofos)	NA	42021	248.6	10	20	ng/dry g	380.4	0	65	55 - 154%	PASS	3	30	PASS	
Tokuthion	NA	42021	475.1	10	20	ng/dry g	380.4	0	125	56 - 153%	PASS	12	30	PASS	
Trichloronate	NA	42021	350.4	10	20	ng/dry g	380.4	0	92	50 - 137%	PASS	23	30	PASS	

S5

Prepared 10/30/2008

Analyzed 09-Nov-08

Lab Dup	76028-R2	Sediment														
(PCB030)	NA	42021	62			% Recovery	100		62	61 - 120%	PASS	3	30	PASS		
(PCB112)	NA	42021	70			% Recovery	100		70	56 - 109%	PASS	0	30	PASS		
(PCB198)	NA	42021	81			% Recovery	100		81	56 - 110%	PASS	8	30	PASS		
(TCMX)	NA	42021	70			% Recovery	100		70	57 - 120%	PASS	33	30	FAIL	Q5	
Bolstar (Sulprofos)	NA	42021	ND	10	20	ng/dry g						0	30	PASS		
Chlorpyrifos	NA	42021	ND	5	10	ng/dry g						0	30	PASS		
Demeton	NA	42021	ND	10	20	ng/dry g						0	30	PASS		
Diazinon	NA	42021	ND	5	10	ng/dry g						0	30	PASS		

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Organophosphorus Pesticides

QUALITY CONTROL REPORT

Analyte	Fraction	Batch ID	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
Dichlorvos	NA	42021	ND	10	20	ng/dry g						0	30	PASS	
Dimethoate	NA	42021	ND	5	10	ng/dry g						0	30	PASS	
Disulfoton	NA	42021	ND	10	20	ng/dry g						0	30	PASS	
Ethoprop (Ethoprofos)	NA	42021	ND	10	20	ng/dry g						0	30	PASS	
Fenchlorphos (Ronnel)	NA	42021	ND	10	20	ng/dry g						0	30	PASS	
Fensulfothion	NA	42021	ND	10	20	ng/dry g						0	30	PASS	
Fenthion	NA	42021	ND	10	20	ng/dry g						0	30	PASS	
Malathion	NA	42021	ND	5	10	ng/dry g						0	30	PASS	
Merphos	NA	42021	ND	10	20	ng/dry g						0	30	PASS	
Methyl Parathion	NA	42021	ND	10	20	ng/dry g						0	30	PASS	
Mevinphos (Phosdrin)	NA	42021	ND	10	20	ng/dry g						0	30	PASS	
Phorate	NA	42021	ND	10	20	ng/dry g						0	30	PASS	
Tetrachlorvinphos (Stirofos)	NA	42021	ND	10	20	ng/dry g						0	30	PASS	
Tokuthion	NA	42021	ND	10	20	ng/dry g						0	30	PASS	
Trichloronate	NA	42021	ND	10	20	ng/dry g						0	30	PASS	

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Polynuclear Aromatic Hydrocarbons

QUALITY CONTROL REPORT

Analyte	Fraction	Batch ID	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
Lab Blank			76025-B1			QAQC Procedural Blank			DI Water			Prepared 10/30/2008			Analyzed 09-Nov-08
(d10-Acenaphthene)	NA	42021	88			% Recovery	100		88	37 - 100%	PASS				
(d10-Phenanthrene)	NA	42021	93			% Recovery	100		93	56 - 100%	PASS				
(d12-Chrysene)	NA	42021	63			% Recovery	100		63	58 - 122%	PASS				
(d12-Perylene)	NA	42021	107			% Recovery	100		107	55 - 120%	PASS				
(d8-Naphthalene)	NA	42021	79			% Recovery	100		79	10 - 106%	PASS				
1-Methylnaphthalene	NA	42021	ND	1	5	ng/dry g									
1-Methylphenanthrene	NA	42021	ND	1	5	ng/dry g									
2,3,5-Trimethylnaphthalene	NA	42021	ND	1	5	ng/dry g									
2,6-Dimethylnaphthalene	NA	42021	ND	1	5	ng/dry g									
2-Methylnaphthalene	NA	42021	ND	1	5	ng/dry g									
Acenaphthene	NA	42021	ND	1	5	ng/dry g									
Acenaphthylene	NA	42021	ND	1	5	ng/dry g									
Anthracene	NA	42021	ND	1	5	ng/dry g									
Benz[a]anthracene	NA	42021	ND	1	5	ng/dry g									
Benzo[a]pyrene	NA	42021	ND	1	5	ng/dry g									
Benzo[b]fluoranthene	NA	42021	ND	1	5	ng/dry g									
Benzo[e]pyrene	NA	42021	ND	1	5	ng/dry g									
Benzo[g,h,i]perylene	NA	42021	ND	1	5	ng/dry g									
Benzo[k]fluoranthene	NA	42021	ND	1	5	ng/dry g									
Biphenyl	NA	42021	ND	1	5	ng/dry g									
Chrysene	NA	42021	ND	1	5	ng/dry g									
Dibenz[a,h]anthracene	NA	42021	ND	1	5	ng/dry g									
Dibenzothiophene	NA	42021	ND	1	5	ng/dry g									
Fluoranthene	NA	42021	ND	1	5	ng/dry g									
Fluorene	NA	42021	ND	1	5	ng/dry g									

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Polynuclear Aromatic Hydrocarbons

QUALITY CONTROL REPORT

Analyte	Fraction	Batch ID	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
Indeno[1,2,3-c,d]pyrene	NA	42021	ND	1	5	ng/dry g									
Naphthalene	NA	42021	ND	1	5	ng/dry g									
Perylene	NA	42021	ND	1	5	ng/dry g									
Phenanthrene	NA	42021	ND	1	5	ng/dry g									
Pyrene	NA	42021	ND	1	5	ng/dry g									

Blank Spike		QAQC Procedural Blank				Prepared 10/30/2008				Analyzed 09-Nov-08			
76025-BS1		DI Water											
(d10-Acenaphthene)	NA	42021	83			% Recovery	100	0	83	37 - 100%	PASS		
(d10-Phenanthrene)	NA	42021	84			% Recovery	100	0	84	56 - 100%	PASS		
(d12-Chrysene)	NA	42021	92			% Recovery	100	0	92	58 - 122%	PASS		
(d12-Perylene)	NA	42021	98			% Recovery	100	0	98	55 - 120%	PASS		
(d8-Naphthalene)	NA	42021	71			% Recovery	100	0	71	10 - 106%	PASS		
1-Methylnaphthalene	NA	42021	349.2	1	5	ng/dry g	422.2	0	83	30 - 104%	PASS		
1-Methylphenanthrene	NA	42021	402.1	1	5	ng/dry g	422.2	0	95	51 - 122%	PASS		
2,3,5-Trimethylnaphthalene	NA	42021	403.3	1	5	ng/dry g	422.2	0	96	44 - 105%	PASS		
2,6-Dimethylnaphthalene	NA	42021	372	1	5	ng/dry g	422.2	0	88	36 - 104%	PASS		
2-Methylnaphthalene	NA	42021	373.6	1	5	ng/dry g	422.2	0	88	32 - 105%	PASS		
Acenaphthene	NA	42021	401.7	1	5	ng/dry g	422.2	0	95	35 - 111%	PASS		
Acenaphthylene	NA	42021	379.8	1	5	ng/dry g	422.2	0	90	34 - 107%	PASS		
Anthracene	NA	42021	416.7	1	5	ng/dry g	422.2	0	99	30 - 123%	PASS		
Benz[a]anthracene	NA	42021	447.6	1	5	ng/dry g	422.2	0	106	46 - 147%	PASS		
Benzo[a]pyrene	NA	42021	431	1	5	ng/dry g	422.2	0	102	42 - 156%	PASS		
Benzo[b]fluoranthene	NA	42021	442.3	1	5	ng/dry g	422.2	0	105	36 - 154%	PASS		
Benzo[e]pyrene	NA	42021	436.8	1	5	ng/dry g	422.2	0	103	31 - 151%	PASS		
Benzo[g,h,i]perylene	NA	42021	534.7	1	5	ng/dry g	422.2	0	127	44 - 157%	PASS		
Benzo[k]fluoranthene	NA	42021	479.6	1	5	ng/dry g	422.2	0	114	43 - 151%	PASS		
Biphenyl	NA	42021	390.2	1	5	ng/dry g	422.2	0	92	36 - 102%	PASS		

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Polynuclear Aromatic Hydrocarbons

QUALITY CONTROL REPORT

Analyte	Fraction	Batch ID	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
Chrysene	NA	42021	449.3	1	5	ng/dry g	422.2	0	106	42 - 150%	PASS				
Dibenz[a,h]anthracene	NA	42021	557.7	1	5	ng/dry g	422.2	0	132	40 - 160%	PASS				
Dibenzothiophene	NA	42021	360	1	5	ng/dry g	422.2	0	85	54 - 114%	PASS				
Fluoranthene	NA	42021	420.9	1	5	ng/dry g	422.2	0	100	40 - 134%	PASS				
Fluorene	NA	42021	409.5	1	5	ng/dry g	422.2	0	97	44 - 109%	PASS				
Indeno[1,2,3-c,d]pyrene	NA	42021	523.4	1	5	ng/dry g	422.2	0	124	38 - 158%	PASS				
Naphthalene	NA	42021	347.5	1	5	ng/dry g	422.2	0	82	21 - 105%	PASS				
Perylene	NA	42021	437	1	5	ng/dry g	422.2	0	104	44 - 141%	PASS				
Phenanthrene	NA	42021	404.3	1	5	ng/dry g	422.2	0	96	32 - 123%	PASS				
Pyrene	NA	42021	405.2	1	5	ng/dry g	422.2	0	96	40 - 143%	PASS				

QAQC Procedural Blank DI Water

Prepared 10/30/2008

Analyzed 09-Nov-08

Blank Spike Dup 76025-BS2

(d10-Acenaphthene)	NA	42021	77			% Recovery	100	0	77	37 - 100%	PASS	8	30	PASS	
(d10-Phenanthrene)	NA	42021	83			% Recovery	100	0	83	56 - 100%	PASS	1	30	PASS	
(d12-Chrysene)	NA	42021	91			% Recovery	100	0	91	58 - 122%	PASS	1	30	PASS	
(d12-Perylene)	NA	42021	96			% Recovery	100	0	96	55 - 120%	PASS	2	30	PASS	
(d8-Naphthalene)	NA	42021	66			% Recovery	100	0	66	10 - 106%	PASS	7	30	PASS	
1-Methylnaphthalene	NA	42021	320.2	1	5	ng/dry g	422.2	0	76	30 - 104%	PASS	9	30	PASS	
1-Methylphenanthrene	NA	42021	421.1	1	5	ng/dry g	422.2	0	100	51 - 122%	PASS	5	30	PASS	
2,3,5-Trimethylnaphthalene	NA	42021	383.1	1	5	ng/dry g	422.2	0	91	44 - 105%	PASS	5	30	PASS	
2,6-Dimethylnaphthalene	NA	42021	359.1	1	5	ng/dry g	422.2	0	85	36 - 104%	PASS	3	30	PASS	
2-Methylnaphthalene	NA	42021	333.1	1	5	ng/dry g	422.2	0	79	32 - 105%	PASS	11	30	PASS	
Acenaphthene	NA	42021	374.6	1	5	ng/dry g	422.2	0	89	35 - 111%	PASS	7	30	PASS	
Acenaphthylene	NA	42021	350.9	1	5	ng/dry g	422.2	0	83	34 - 107%	PASS	8	30	PASS	
Anthracene	NA	42021	404.7	1	5	ng/dry g	422.2	0	96	30 - 123%	PASS	3	30	PASS	
Benz[a]anthracene	NA	42021	452.1	1	5	ng/dry g	422.2	0	107	46 - 147%	PASS	1	30	PASS	
Benzo[a]pyrene	NA	42021	465.7	1	5	ng/dry g	422.2	0	110	42 - 156%	PASS	8	30	PASS	

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Polynuclear Aromatic Hydrocarbons

QUALITY CONTROL REPORT

Analyte	Fraction	Batch ID	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
Benzo[b]fluoranthene	NA	42021	449.2	1	5	ng/dry g	422.2	0	106	36 - 154%	PASS	1	30	PASS	
Benzo[e]pyrene	NA	42021	459.9	1	5	ng/dry g	422.2	0	109	31 - 151%	PASS	6	30	PASS	
Benzo[g,h,i]perylene	NA	42021	534.3	1	5	ng/dry g	422.2	0	127	44 - 157%	PASS	0	30	PASS	
Benzo[k]fluoranthene	NA	42021	486.3	1	5	ng/dry g	422.2	0	115	43 - 151%	PASS	1	30	PASS	
Biphenyl	NA	42021	367.2	1	5	ng/dry g	422.2	0	87	36 - 102%	PASS	6	30	PASS	
Chrysene	NA	42021	460.2	1	5	ng/dry g	422.2	0	109	42 - 150%	PASS	3	30	PASS	
Dibenz[a,h]anthracene	NA	42021	554	1	5	ng/dry g	422.2	0	131	40 - 160%	PASS	1	30	PASS	
Dibenzothiophene	NA	42021	361.3	1	5	ng/dry g	422.2	0	86	54 - 114%	PASS	1	30	PASS	
Fluoranthene	NA	42021	442.2	1	5	ng/dry g	422.2	0	105	40 - 134%	PASS	5	30	PASS	
Fluorene	NA	42021	392	1	5	ng/dry g	422.2	0	93	44 - 109%	PASS	4	30	PASS	
Indeno[1,2,3-c,d]pyrene	NA	42021	534.1	1	5	ng/dry g	422.2	0	127	38 - 158%	PASS	2	30	PASS	
Naphthalene	NA	42021	313.5	1	5	ng/dry g	422.2	0	74	21 - 105%	PASS	10	30	PASS	
Perylene	NA	42021	439.4	1	5	ng/dry g	422.2	0	104	44 - 141%	PASS	0	30	PASS	
Phenanthrene	NA	42021	408.2	1	5	ng/dry g	422.2	0	97	32 - 123%	PASS	1	30	PASS	
Pyrene	NA	42021	422.2	1	5	ng/dry g	422.2	0	100	40 - 143%	PASS	4	30	PASS	

S5

Prepared 10/30/2008

Analyzed 09-Nov-08

Matrix Spike	76028-MS1	Sediment											
(d10-Acenaphthene)	NA	42021	69			% Recovery	100	0	69	37 - 100%	PASS		
(d10-Phenanthrene)	NA	42021	92			% Recovery	100	0	92	56 - 100%	PASS		
(d12-Chrysene)	NA	42021	74			% Recovery	100	0	74	58 - 122%	PASS		
(d12-Perylene)	NA	42021	103			% Recovery	100	0	103	55 - 120%	PASS		
(d8-Naphthalene)	NA	42021	51			% Recovery	100	0	51	10 - 106%	PASS		
1-Methylnaphthalene	NA	42021	467.9	1	5	ng/dry g	758.5	30.5	58	30 - 104%	PASS		
1-Methylphenanthrene	NA	42021	532.3	1	5	ng/dry g	758.5	0	70	51 - 122%	PASS		
2,3,5-Trimethylnaphthalene	NA	42021	511.6	1	5	ng/dry g	758.5	4.4	67	44 - 105%	PASS		
2,6-Dimethylnaphthalene	NA	42021	4276.4	1	5	ng/dry g	758.5	3559.3	95	36 - 104%	PASS		
2-Methylnaphthalene	NA	42021	457.7	1	5	ng/dry g	758.5	38.7	55	32 - 105%	PASS		

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Polynuclear Aromatic Hydrocarbons

QUALITY CONTROL REPORT

Analyte	Fraction	Batch ID	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
Acenaphthene	NA	42021	502.9	1	5	ng/dry g	758.5	26.5	63	35 - 111%	PASS				
Acenaphthylene	NA	42021	549.1	1	5	ng/dry g	758.5	16.7	70	34 - 107%	PASS				
Anthracene	NA	42021	703.6	1	5	ng/dry g	758.5	45.4	87	30 - 123%	PASS				
Benz[a]anthracene	NA	42021	781	1	5	ng/dry g	758.5	147.2	84	46 - 147%	PASS				
Benzo[a]pyrene	NA	42021	988.8	1	5	ng/dry g	758.5	235.2	99	42 - 156%	PASS				
Benzo[b]fluoranthene	NA	42021	874.1	1	5	ng/dry g	758.5	251	82	36 - 154%	PASS				
Benzo[e]pyrene	NA	42021	878.9	1	5	ng/dry g	758.5	299.8	76	31 - 151%	PASS				
Benzo[g,h,i]perylene	NA	42021	1322.9	1	5	ng/dry g	758.5	556.2	101	44 - 157%	PASS				
Benzo[k]fluoranthene	NA	42021	867.3	1	5	ng/dry g	758.5	151.4	94	43 - 151%	PASS				
Biphenyl	NA	42021	741.8	1	5	ng/dry g	758.5	275.7	61	36 - 102%	PASS				
Chrysene	NA	42021	972.6	1	5	ng/dry g	758.5	345.8	83	42 - 150%	PASS				
Dibenz[a,h]anthracene	NA	42021	1428.2	1	5	ng/dry g	758.5	171.4	166	40 - 160%	FAIL				M4
Dibenzothiophene	NA	42021	699.1	1	5	ng/dry g	758.5	0	92	54 - 114%	PASS				
Fluoranthene	NA	42021	1312.7	1	5	ng/dry g	758.5	479.5	110	40 - 134%	PASS				
Fluorene	NA	42021	606.8	1	5	ng/dry g	758.5	57.2	72	44 - 109%	PASS				
Indeno[1,2,3-c,d]pyrene	NA	42021	1369.1	1	5	ng/dry g	758.5	336.6	136	38 - 158%	PASS				
Naphthalene	NA	42021	436.6	1	5	ng/dry g	758.5	92.1	45	21 - 105%	PASS				
Perylene	NA	42021	979.8	1	5	ng/dry g	758.5	415.9	74	44 - 141%	PASS				
Phenanthrene	NA	42021	990.9	1	5	ng/dry g	758.5	293.2	92	32 - 123%	PASS				
Pyrene	NA	42021	1380.1	1	5	ng/dry g	758.5	532.8	112	40 - 143%	PASS				

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Prepared 10/30/2008

Analyzed 09-Nov-08

Matrix Spike Dup 76028-MS2

Sediment

(d10-Acenaphthene)	NA	42021	66		% Recovery	100	0	66	37 - 100%	PASS	0	30	PASS
(d10-Phenanthrene)	NA	42021	91		% Recovery	100	0	91	56 - 100%	PASS	0	30	PASS
(d12-Chrysene)	NA	42021	82		% Recovery	100	0	82	58 - 122%	PASS	0	30	PASS
(d12-Perylene)	NA	42021	96		% Recovery	100	0	96	55 - 120%	PASS	0	30	PASS
(d8-Naphthalene)	NA	42021	45		% Recovery	100	0	45	10 - 106%	PASS	0	30	PASS

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Polynuclear Aromatic Hydrocarbons

QUALITY CONTROL REPORT

Analyte	Fraction	Batch ID	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
1-Methylnaphthalene	NA	42021	449.7	1	5	ng/dry g	760.7	30.5	55	30 - 104%	PASS	5	30	PASS	
1-Methylphenanthrene	NA	42021	474.4	1	5	ng/dry g	760.7	0	62	51 - 122%	PASS	12	30	PASS	
2,3,5-Trimethylnaphthalene	NA	42021	560.3	1	5	ng/dry g	760.7	4.4	73	44 - 105%	PASS	9	30	PASS	
2,6-Dimethylnaphthalene	NA	42021	3747.1	1	5	ng/dry g	760.7	3559.3	25	36 - 104%	FAIL	117	30	FAIL	Q1
2-Methylnaphthalene	NA	42021	411.7	1	5	ng/dry g	760.7	38.7	49	32 - 105%	PASS	12	30	PASS	
Acenaphthene	NA	42021	513.5	1	5	ng/dry g	760.7	26.5	64	35 - 111%	PASS	2	30	PASS	
Acenaphthylene	NA	42021	544.6	1	5	ng/dry g	760.7	16.7	69	34 - 107%	PASS	1	30	PASS	
Anthracene	NA	42021	802.7	1	5	ng/dry g	760.7	45.4	100	30 - 123%	PASS	14	30	PASS	
Benz[a]anthracene	NA	42021	816.6	1	5	ng/dry g	760.7	147.2	88	46 - 147%	PASS	5	30	PASS	
Benzo[a]pyrene	NA	42021	1159	1	5	ng/dry g	760.7	235.2	121	42 - 156%	PASS	20	30	PASS	
Benzo[b]fluoranthene	NA	42021	1007.6	1	5	ng/dry g	760.7	251	99	36 - 154%	PASS	19	30	PASS	
Benzo[e]pyrene	NA	42021	863.2	1	5	ng/dry g	760.7	299.8	74	31 - 151%	PASS	3	30	PASS	
Benzo[g,h,i]perylene	NA	42021	1174.2	1	5	ng/dry g	760.7	556.2	81	44 - 157%	PASS	22	30	PASS	
Benzo[k]fluoranthene	NA	42021	906.7	1	5	ng/dry g	760.7	151.4	99	43 - 151%	PASS	5	30	PASS	
Biphenyl	NA	42021	705.8	1	5	ng/dry g	760.7	275.7	57	36 - 102%	PASS	7	30	PASS	
Chrysene	NA	42021	1038.8	1	5	ng/dry g	760.7	345.8	91	42 - 150%	PASS	9	30	PASS	
Dibenz[a,h]anthracene	NA	42021	1562	1	5	ng/dry g	760.7	171.4	183	40 - 160%	FAIL	10	30	PASS	M4
Dibenzothiophene	NA	42021	679	1	5	ng/dry g	760.7	0	89	54 - 114%	PASS	3	30	PASS	
Fluoranthene	NA	42021	1324.1	1	5	ng/dry g	760.7	479.5	111	40 - 134%	PASS	1	30	PASS	
Fluorene	NA	42021	611.2	1	5	ng/dry g	760.7	57.2	73	44 - 109%	PASS	1	30	PASS	
Indeno[1,2,3-c,d]pyrene	NA	42021	1226.5	1	5	ng/dry g	760.7	336.6	117	38 - 158%	PASS	15	30	PASS	
Naphthalene	NA	42021	379	1	5	ng/dry g	760.7	92.1	38	21 - 105%	PASS	17	30	PASS	
Perylene	NA	42021	932.9	1	5	ng/dry g	760.7	415.9	68	44 - 141%	PASS	8	30	PASS	
Phenanthrene	NA	42021	885.6	1	5	ng/dry g	760.7	293.2	78	32 - 123%	PASS	16	30	PASS	
Pyrene	NA	42021	1331.7	1	5	ng/dry g	760.7	532.8	105	40 - 143%	PASS	6	30	PASS	

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Prepared 10/30/2008

Analyzed 09-Nov-08

Lab Dup

76028-R2

Sediment

HTB001c

Compton Creek Watershed

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Polynuclear Aromatic Hydrocarbons

QUALITY CONTROL REPORT

Analyte	Fraction	Batch ID	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
(d10-Acenaphthene)	NA	42021	61			% Recovery	100		61	37 - 100%	PASS	2	30	PASS	
(d10-Phenanthrene)	NA	42021	84			% Recovery	100		84	56 - 100%	PASS	0	30	PASS	
(d12-Chrysene)	NA	42021	62			% Recovery	100		62	58 - 122%	PASS	2	30	PASS	
(d12-Perylene)	NA	42021	85			% Recovery	100		85	55 - 120%	PASS	18	30	PASS	
(d8-Naphthalene)	NA	42021	43			% Recovery	100		43	10 - 106%	PASS	2	30	PASS	
1-Methylnaphthalene	NA	42021	34.5	1	5	ng/dry g						26	30	PASS	
1-Methylphenanthrene	NA	42021	ND	1	5	ng/dry g						0	30	PASS	
2,3,5-Trimethylnaphthalene	NA	42021	3.9	1	5	ng/dry g						21	30	PASS	J
2,6-Dimethylnaphthalene	NA	42021	3638	1	5	ng/dry g						4	30	PASS	
2-Methylnaphthalene	NA	42021	42.9	1	5	ng/dry g						22	30	PASS	
Acenaphthene	NA	42021	26.6	1	5	ng/dry g						1	30	PASS	
Acenaphthylene	NA	42021	16.9	1	5	ng/dry g						2	30	PASS	
Anthracene	NA	42021	48	1	5	ng/dry g						11	30	PASS	
Benz[a]anthracene	NA	42021	159.4	1	5	ng/dry g						17	30	PASS	
Benzo[a]pyrene	NA	42021	278.2	1	5	ng/dry g						37	30	FAIL	Q5
Benzo[b]fluoranthene	NA	42021	247.1	1	5	ng/dry g						3	30	PASS	
Benzo[e]pyrene	NA	42021	322.3	1	5	ng/dry g						15	30	PASS	
Benzo[g,h,i]perylene	NA	42021	574.6	1	5	ng/dry g						7	30	PASS	
Benzo[k]fluoranthene	NA	42021	160.7	1	5	ng/dry g						12	30	PASS	
Biphenyl	NA	42021	267.9	1	5	ng/dry g						6	30	PASS	
Chrysene	NA	42021	369.9	1	5	ng/dry g						14	30	PASS	
Dibenz[a,h]anthracene	NA	42021	177.7	1	5	ng/dry g						7	30	PASS	
Dibenzothiophene	NA	42021	ND	1	5	ng/dry g						0	30	PASS	
Fluoranthene	NA	42021	516.1	1	5	ng/dry g						15	30	PASS	
Fluorene	NA	42021	60.2	1	5	ng/dry g						10	30	PASS	
Indeno[1,2,3-c,d]pyrene	NA	42021	394.6	1	5	ng/dry g						34	30	FAIL	Q5
Naphthalene	NA	42021	98.2	1	5	ng/dry g						13	30	PASS	
Perylene	NA	42021	491.6	1	5	ng/dry g						36	30	FAIL	Q5

HTB001c Compton Creek Watershed

CRG Marine Laboratories, Inc.

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Polynuclear Aromatic Hydrocarbons

QUALITY CONTROL REPORT

Analyte	Fraction	Batch ID	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
Phenanthrene	NA	42021	314.3	1	5	ng/dry g						14	30	PASS	
Pyrene	NA	42021	549.1	1	5	ng/dry g						6	30	PASS	

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Trace Metals

QUALITY CONTROL REPORT

Analyte	Fraction	Batch ID	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
<div> <div> <div>Lab Blank</div> <div>76025-B1</div> </div> <div> <div>QAQC Procedural Blank</div> <div>DI Water</div> </div> <div> <div>Prepared 10/30/2008</div> <div>Analyzed 02-Nov-08</div> </div> </div>															
Aluminum (Al)	NA	19148	ND	1	5	µg/dry g									
Antimony (Sb)	NA	19148	ND	0.025	0.05	µg/dry g									
Arsenic (As)	NA	19148	ND	0.025	0.05	µg/dry g									
Barium (Ba)	NA	19148	ND	0.025	0.05	µg/dry g									
Beryllium (Be)	NA	19148	ND	0.025	0.05	µg/dry g									
Cadmium (Cd)	NA	19148	ND	0.025	0.05	µg/dry g									
Chromium (Cr)	NA	19148	ND	0.025	0.05	µg/dry g									
Cobalt (Co)	NA	19148	ND	0.025	0.05	µg/dry g									
Copper (Cu)	NA	19148	ND	0.025	0.05	µg/dry g									
Iron (Fe)	NA	19148	ND	1	5	µg/dry g									
Lead (Pb)	NA	19148	ND	0.025	0.05	µg/dry g									
Manganese (Mn)	NA	19148	ND	0.025	0.05	µg/dry g									
Mercury (Hg)	NA	5033	ND	0.01	0.02	µg/dry g									
Molybdenum (Mo)	NA	19148	ND	0.025	0.05	µg/dry g									
Nickel (Ni)	NA	19148	ND	0.025	0.05	µg/dry g									
Selenium (Se)	NA	19148	ND	0.025	0.05	µg/dry g									
Silver (Ag)	NA	19148	ND	0.025	0.05	µg/dry g									
Strontium (Sr)	NA	19148	ND	0.025	0.05	µg/dry g									
Thallium (Tl)	NA	19148	ND	0.025	0.05	µg/dry g									
Tin (Sn)	NA	19148	ND	0.025	0.05	µg/dry g									
Titanium (Ti)	NA	19148	ND	0.025	0.05	µg/dry g									
Vanadium (V)	NA	19148	ND	0.025	0.05	µg/dry g									
Zinc (Zn)	NA	19148	ND	0.025	0.05	µg/dry g									
<div> <div> <div>Blank Spike</div> <div>76025-BS1</div> </div> <div> <div>QAQC Procedural Blank</div> <div>DI Water</div> </div> <div> <div>Prepared 10/30/2008</div> <div>Analyzed 02-Nov-08</div> </div> </div>															
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Trace Metals

QUALITY CONTROL REPORT

Analyte	Fraction	Batch ID	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
Aluminum (Al)	NA	19148	1.8	1	5	µg/dry g	2	0	90	66 - 135%	PASS				
Antimony (Sb)	NA	19148	0.207	0.025	0.05	µg/dry g	0.2	0	103	70 - 130%	PASS				
Arsenic (As)	NA	19148	1.822	0.025	0.05	µg/dry g	2	0	91	70 - 139%	PASS				
Barium (Ba)	NA	19148	2.227	0.025	0.05	µg/dry g	2	0	111	69 - 128%	PASS				
Beryllium (Be)	NA	19148	1.498	0.025	0.05	µg/dry g	2	0	75	39 - 132%	PASS				
Cadmium (Cd)	NA	19148	0.207	0.025	0.05	µg/dry g	0.2	0	103	70 - 130%	PASS				
Chromium (Cr)	NA	19148	1.969	0.025	0.05	µg/dry g	2	0	98	69 - 130%	PASS				
Cobalt (Co)	NA	19148	1.998	0.025	0.05	µg/dry g	2	0	100	79 - 127%	PASS				
Copper (Cu)	NA	19148	1.912	0.025	0.05	µg/dry g	2	0	96	76 - 125%	PASS				
Iron (Fe)	NA	19148	1.9	1	5	µg/dry g	2	0	95	74 - 125%	PASS				
Lead (Pb)	NA	19148	2.048	0.025	0.05	µg/dry g	2	0	102	78 - 130%	PASS				
Manganese (Mn)	NA	19148	1.848	0.025	0.05	µg/dry g	2	0	92	68 - 132%	PASS				
Mercury (Hg)	NA	5033	2.2	0.01	0.02	µg/dry g	2	0	110	55 - 147%	PASS				
Molybdenum (Mo)	NA	19148	2.058	0.025	0.05	µg/dry g	2	0	103	70 - 130%	PASS				
Nickel (Ni)	NA	19148	1.978	0.025	0.05	µg/dry g	2	0	99	73 - 126%	PASS				
Selenium (Se)	NA	19148	1.761	0.025	0.05	µg/dry g	2	0	88	66 - 138%	PASS				
Silver (Ag)	NA	19148	0.201	0.025	0.05	µg/dry g	0.2	0	100	60 - 150%	PASS				
Strontium (Sr)	NA	19148	2.132	0.025	0.05	µg/dry g	2	0	107	74 - 135%	PASS				
Thallium (Tl)	NA	19148	2.003	0.025	0.05	µg/dry g	2	0	100	70 - 134%	PASS				
Tin (Sn)	NA	19148	2.438	0.025	0.05	µg/dry g	2	0	122	70 - 136%	PASS				
Titanium (Ti)	NA	19148	1.827	0.025	0.05	µg/dry g	2	0	91	66 - 132%	PASS				
Vanadium (V)	NA	19148	1.957	0.025	0.05	µg/dry g	2	0	98	67 - 133%	PASS				
Zinc (Zn)	NA	19148	1.757	0.025	0.05	µg/dry g	2	0	88	69 - 135%	PASS				

QAQC Procedural Blank DI Water

Prepared 10/30/2008

Analyzed 02-Nov-08

Blank Spike Dup 76025-BS2

Aluminum (Al)	NA	19148	1.8	1	5	µg/dry g	2	0	90	66 - 135%	PASS	0	30	PASS	
Antimony (Sb)	NA	19148	0.209	0.025	0.05	µg/dry g	0.2	0	104	70 - 130%	PASS	0	30	PASS	

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CRL Marine Laboratories, Inc.

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Trace Metals

QUALITY CONTROL REPORT

Analyte	Fraction	Batch ID	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
Arsenic (As)	NA	19148	1.834	0.025	0.05	µg/dry g	2	0	92	70 - 139%	PASS	1	30	PASS	
Barium (Ba)	NA	19148	2.22	0.025	0.05	µg/dry g	2	0	111	69 - 128%	PASS	0	30	PASS	
Beryllium (Be)	NA	19148	1.489	0.025	0.05	µg/dry g	2	0	74	39 - 132%	PASS	1	30	PASS	
Cadmium (Cd)	NA	19148	0.208	0.025	0.05	µg/dry g	0.2	0	104	70 - 130%	PASS	0	30	PASS	
Chromium (Cr)	NA	19148	1.974	0.025	0.05	µg/dry g	2	0	99	69 - 130%	PASS	1	30	PASS	
Cobalt (Co)	NA	19148	2.013	0.025	0.05	µg/dry g	2	0	101	79 - 127%	PASS	1	30	PASS	
Copper (Cu)	NA	19148	1.91	0.025	0.05	µg/dry g	2	0	95	76 - 125%	PASS	0	30	PASS	
Iron (Fe)	NA	19148	1.9	1	5	µg/dry g	2	0	95	74 - 125%	PASS	0	30	PASS	
Lead (Pb)	NA	19148	2.053	0.025	0.05	µg/dry g	2	0	103	78 - 130%	PASS	1	30	PASS	
Manganese (Mn)	NA	19148	1.849	0.025	0.05	µg/dry g	2	0	92	68 - 132%	PASS	0	30	PASS	
Mercury (Hg)	NA	5033	2.2	0.01	0.02	µg/dry g	2	0	110	55 - 147%	PASS	0	30	PASS	
Molybdenum (Mo)	NA	19148	2.058	0.025	0.05	µg/dry g	2	0	103	70 - 130%	PASS	0	30	PASS	
Nickel (Ni)	NA	19148	1.981	0.025	0.05	µg/dry g	2	0	99	73 - 126%	PASS	0	30	PASS	
Selenium (Se)	NA	19148	1.765	0.025	0.05	µg/dry g	2	0	88	66 - 138%	PASS	0	30	PASS	
Silver (Ag)	NA	19148	0.207	0.025	0.05	µg/dry g	0.2	0	103	60 - 150%	PASS	4	30	PASS	
Strontium (Sr)	NA	19148	2.11	0.025	0.05	µg/dry g	2	0	105	74 - 135%	PASS	2	30	PASS	
Thallium (Tl)	NA	19148	2.016	0.025	0.05	µg/dry g	2	0	101	70 - 134%	PASS	1	30	PASS	
Tin (Sn)	NA	19148	2.465	0.025	0.05	µg/dry g	2	0	123	70 - 136%	PASS	1	30	PASS	
Titanium (Ti)	NA	19148	1.83	0.025	0.05	µg/dry g	2	0	92	66 - 132%	PASS	1	30	PASS	
Vanadium (V)	NA	19148	1.957	0.025	0.05	µg/dry g	2	0	98	67 - 133%	PASS	0	30	PASS	
Zinc (Zn)	NA	19148	1.771	0.025	0.05	µg/dry g	2	0	89	69 - 135%	PASS	1	30	PASS	

S5

Prepared 10/30/2008

Analyzed 02-Nov-08

Lab Dup

76028-R2

Sediment

Aluminum (Al)	NA	19148	11010	1	5	µg/dry g						12	30	PASS	
Antimony (Sb)	NA	19148	6.827	0.025	0.05	µg/dry g						9	30	PASS	
Arsenic (As)	NA	19148	11.11	0.025	0.05	µg/dry g						1	30	PASS	
Barium (Ba)	NA	19148	372.5	0.025	0.05	µg/dry g						7	30	PASS	

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Compton Creek Watershed

CRG Marine Laboratories, Inc.

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Trace Metals

QUALITY CONTROL REPORT

Analyte	Fraction	Batch ID	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
Beryllium (Be)	NA	19148	0.257	0.025	0.05	µg/dry g						8	30	PASS	
Cadmium (Cd)	NA	19148	4.229	0.025	0.05	µg/dry g						5	30	PASS	
Chromium (Cr)	NA	19148	69.73	0.025	0.05	µg/dry g						7	30	PASS	
Cobalt (Co)	NA	19148	10.88	0.025	0.05	µg/dry g						8	30	PASS	
Copper (Cu)	NA	19148	328.9	0.025	0.05	µg/dry g						20	30	PASS	
Iron (Fe)	NA	19148	18220	1	5	µg/dry g						4	30	PASS	
Lead (Pb)	NA	19148	146.3	0.025	0.05	µg/dry g						4	30	PASS	
Manganese (Mn)	NA	19148	604.4	0.025	0.05	µg/dry g						4	30	PASS	
Mercury (Hg)	NA	5033	0.34	0.01	0.02	µg/dry g						3	30	PASS	
Molybdenum (Mo)	NA	19148	11.33	0.025	0.05	µg/dry g						7	30	PASS	
Nickel (Ni)	NA	19148	53.01	0.025	0.05	µg/dry g						6	30	PASS	
Selenium (Se)	NA	19148	2.047	0.025	0.05	µg/dry g						12	30	PASS	
Silver (Ag)	NA	19148	0.637	0.025	0.05	µg/dry g						9	30	PASS	
Strontium (Sr)	NA	19148	478.5	0.025	0.05	µg/dry g						4	30	PASS	
Thallium (Tl)	NA	19148	0.1	0.025	0.05	µg/dry g						11	30	PASS	
Tin (Sn)	NA	19148	13.1	0.025	0.05	µg/dry g						13	30	PASS	
Titanium (Ti)	NA	19148	866.4	0.025	0.05	µg/dry g						14	30	PASS	
Vanadium (V)	NA	19148	42.68	0.025	0.05	µg/dry g						8	30	PASS	
Zinc (Zn)	NA	19148	1404	0.025	0.05	µg/dry g						3	30	PASS	

QAQC CRM (RTC016-050) Lot# BE016
Sediment

Prepared 10/30/2008

Analyzed 02-Nov-08

CRM 77441-CRM1

Aluminum (Al)	NA	19148	11610	1	5	µg/dry g	11940		97	1270 - 22610	PASS
Arsenic (As)	NA	19148	7.371	0.025	0.05	µg/dry g	6.56		112	5.64 - 7.48	PASS
Beryllium (Be)	NA	19148	0.596	0.025	0.05	µg/dry g	0.44		135	0.20 - 0.69	PASS
Cadmium (Cd)	NA	19148	0.252	0.025	0.05	µg/dry g	0.34		74	0.04 - 0.63	PASS
Chromium (Cr)	NA	19148	20.68	0.025	0.05	µg/dry g	18.8		110	6.19 - 31.4	PASS
Cobalt (Co)	NA	19148	6.931	0.025	0.05	µg/dry g	6.16		113	4.72 - 7.60	PASS

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CRG Marine Laboratories, Inc.

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Trace Metals

QUALITY CONTROL REPORT

Analyte	Fraction	Batch ID	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
Copper (Cu)	NA	19148	15.63	0.025	0.05	µg/dry g	14.8		106	12.2 - 17.5	PASS				
Iron (Fe)	NA	19148	17890	1	5	µg/dry g	18540		96	13720 - 2336	PASS				
Lead (Pb)	NA	19148	16.31	0.025	0.05	µg/dry g	14.4		113	10.9 - 17.9	PASS				
Manganese (Mn)	NA	19148	196.8	0.025	0.05	µg/dry g	195		101	153 - 238	PASS				
Mercury (Hg)	NA	5033	0.16	0.01	0.02	µg/dry g	0.158		101	0.010 - 0.357	PASS				
Nickel (Ni)	NA	19148	18.97	0.025	0.05	µg/dry g	16.7		114	12.4 - 21.1	PASS				
Tin (Sn)	NA	19148	1.016	0.025	0.05	µg/dry g	1		102	0.76 - 1.24	PASS				
Vanadium (V)	NA	19148	36.79	0.025	0.05	µg/dry g	31.9		115	6.9 - 56.9	PASS				
Zinc (Zn)	NA	19148	68.17	0.025	0.05	µg/dry g	63.5		107	50.3 - 76.6	PASS				

QAQC CRM (RTC016-050) Lot# BE016
Sediment

Prepared 10/30/2008

Analyzed 02-Nov-08

CRM Dup	77441-CRM2														
Aluminum (Al)	NA	19148	12420	1	5	µg/dry g	11940		104	1270 - 22610	PASS	7	30	PASS	
Arsenic (As)	NA	19148	6.788	0.025	0.05	µg/dry g	6.56		103	5.64 - 7.48	PASS	8	30	PASS	
Beryllium (Be)	NA	19148	0.548	0.025	0.05	µg/dry g	0.44		125	0.20 - 0.69	PASS	8	30	PASS	
Cadmium (Cd)	NA	19148	0.244	0.025	0.05	µg/dry g	0.34		72	0.04 - 0.63	PASS	3	30	PASS	
Chromium (Cr)	NA	19148	18.96	0.025	0.05	µg/dry g	18.8		101	6.19 - 31.4	PASS	9	30	PASS	
Cobalt (Co)	NA	19148	6.477	0.025	0.05	µg/dry g	6.16		105	4.72 - 7.60	PASS	7	30	PASS	
Copper (Cu)	NA	19148	14.8	0.025	0.05	µg/dry g	14.8		100	12.2 - 17.5	PASS	5	30	PASS	
Iron (Fe)	NA	19148	18630	1	5	µg/dry g	18540		100	13720 - 2336	PASS	4	30	PASS	
Lead (Pb)	NA	19148	15.59	0.025	0.05	µg/dry g	14.4		108	10.9 - 17.9	PASS	5	30	PASS	
Manganese (Mn)	NA	19148	208.7	0.025	0.05	µg/dry g	195		107	153 - 238	PASS	6	30	PASS	
Mercury (Hg)	NA	5033	0.17	0.01	0.02	µg/dry g	0.158		108	0.010 - 0.357	PASS	6	30	PASS	
Nickel (Ni)	NA	19148	17.56	0.025	0.05	µg/dry g	16.7		105	12.4 - 21.1	PASS	8	30	PASS	
Tin (Sn)	NA	19148	0.851	0.025	0.05	µg/dry g	1		85	0.76 - 1.24	PASS	18	30	PASS	
Vanadium (V)	NA	19148	33.7	0.025	0.05	µg/dry g	31.9		106	6.9 - 56.9	PASS	9	30	PASS	
Zinc (Zn)	NA	19148	64.32	0.025	0.05	µg/dry g	63.5		101	50.3 - 76.6	PASS	6	30	PASS	

HTB001c

CHAIN-OF-CUSTODY



CRG Marine Laboratories, Inc.

2020 Del Amo Blvd., Suite 200, Torrance, CA 90501-1206

PHONE (310) 533-5190 FAX (310) 533-5003

CHAIN-OF-CUSTODY RECORD

10:08 1347

Client Name		Heal the Bay				REQUESTED ANALYSIS														
Address		1444 9th St., Santa Monica, CA, 90401				TOC*	PAH	Orangano-Phosphorus Pest. (OPP)	Metals											
Sampled By		James Alamillo and Kirsten James																		
Project Manager		James Alamillo																		
Phone		310-451-1500 xt.115																		
FAX		310-496-1902																		
Email		jalamillo@healthebay.org																		
Project Name/Number		Compton Creek Watershed																		
P.O. Number		8390																		
Client Sample ID	Sample Date	Sample Time	Sample Matrix*	Container																
				Quantity	Type															
75736 1	S1	10/15/2008 11:40	SED	4oz	clear glass	x														
75737 2	S2	10/15/2008 12:00	SED	4oz	clear glass	x														
75738 3	S3	10/15/2008 10:40	SED	4oz	clear glass	x														
75739 4	S4	10/15/2008 12:45	SED	4oz	clear glass	x														
75740 5	S5	10/15/2008 12:35	SED	4oz	clear glass	x														
75741 6	S6	10/15/2008 12:00	SED	4oz	clear glass	x														
7																				
8																				
9																				
10																				
Correct Containers:		Yes	No			RELINQUISHED BY														
Sample Temperature:		Ambient	Cold	Warm		Signature: <i>James Alamillo</i> Print: <i>James Alamillo</i> Company: <i>Heal the Bay</i> DATE: <i>10-15-08</i> TIME:														
Sample Preservative:		Yes	No																	
Turnaround Time:		STD	Specify:																	
Report Format:		pdf	EDD	hardcopy																
Comments:						RECEIVED BY														
<p>*Note: First analyze for TOC test before processing the samples for the other analytes. Three of the six samples will be selected for the second round of analysis.</p> <p>CRG Project ID: _____ (lab use only)</p> <p>CRG Sample ID: _____ (lab use only)</p>						Signature: <i>Kevin Delawo</i> Print: <i>Kevin Delawo</i> Company: <i>CRG</i> DATE: <i>10/15/08</i> TIME: <i>13:40</i>														

*MATRIX CODES: (SED = Sediment); (TISS = Tissue); (SW = Seawater, Saltwater); (FW = Freshwater); (WW = Wastewater); (STRMW = Stormwater)

Rhonda Moeller

From: James Alamillo [jalamillo@healthebay.org]
Sent: Monday, October 27, 2008 11:49 AM
To: rmoeller@crglabs.com
Subject: RE: Compton Creek Watershed (HTB001b)

Rhonda,

Hope all is well with you. Thank you for the quick turn-around on the TOC samples. As far as proceeding forward with the second phase of analysis, please use samples S1, S2, and S5. For these three samples, please conduct three (3) additional test for the analytes: Metals, PAH, and Organo-phosphorus pesticides. If you need more information or clarification on this request, then please do not hesitate to contact me. In addition, please continue to use the same PO number for this additional work. james

From: Rhonda Moeller [mailto:rmoeller@crglabs.com]
Sent: Monday, October 27, 2008 7:12 AM
To: James Alamillo
Subject: Compton Creek Watershed (HTB001b)

James,

Please find the attached files for your Compton Creek Watershed project.

Regards,

Rhonda C. Moeller

CRC Laboratories, Inc.
2020 Del Amo Blvd., Suite 200
Torrance, CA 90501-1206
Phone: (310) 533-5190 X 132
Cell Phone: (310) 930-9201

CRG PID
HTB001c

CRG RID
08-1347

SAMPLE RECEIPT FORM

CLIENT: Date Received: Total # of Samples:

COURIER INFORMATION

☐ CRG ☐ OTHER ☐ FEDEX
☒ CLIENT ☐ UPS

tracking #

SF

TEMPERATURE

°C ☒ WET ICE ☐ BLUE ICE ☐ NO ICE

SAMPLE MATRIX

☐ LIQUID ☐ TISSUE
☐ Composite at CRG, equal ☐ Homogenized
☐ Composite at CRG, flow-weighted ☐ Unhomogenized

CLIENT COC

☒ INCLUDED ☒ SIGNED
☐ NOT INCLUDED ☐ NOT SIGNED

☒ SOLID ☐ OTHER

Received By :

CONDITION OF SAMPLES UPON VERIFICATION

	Yes	No	NA
All sample containers received intact and in good condition.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
All samples listed on COC(s) are present.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
All sample IDs on containers are consistent with sample IDs on COC(s).....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Correct containers used for analyses requested.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
All samples received within method holding time.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

SF

Samples verified by :

NOTES

Print Form