

**CRG**

Marine Laboratories, Inc.

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

November 11, 2008

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

Re: CRG Marine Laboratories
Heal the Bay

Project ID: HTB001
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, 6 samples were received intact at CRG on 10/15/2008. Per your instructions, the samples were analyzed for:

- Ammonia-N Using Method SM 4500-NH3 F
- pH Using Method SM 4500 H+
- Total Hardness as CaCO3 Using Method SM 2340 B
- Total Suspended Solids Using Method SM 2540 D
- Trace Metals By ICPMS Using Method EPA 200.8m
- Polynuclear Aromatic Hydrocarbons By GCMS Using Method EPA 625m

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: **HTB001**

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>
75706	W6		15-Oct-08	Freshwater
75730	W1		15-Oct-08	Freshwater
75731	W2		15-Oct-08	Freshwater
75732	W3		15-Oct-08	Freshwater
75733	W4		15-Oct-08	Freshwater
75734	W5		15-Oct-08	Freshwater

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 HTB001

General Chemistry

<i>Sample ID</i>	<i>Client Sample ID</i>	<i>Qualifier</i>	<i>Parameter</i>
75706-R1	W6	J	Ammonia-N
75706-R1	W6	H	pH
75730-R1	W1	H	pH
75730-R2	W1	H	pH
75731-R1	W2	H	pH
75732-R1	W3	H	pH
75733-R1	W4	H	pH
75734-R1	W5	H	pH
75731-R1	W2	J	Total Suspended Solids
75732-R1	W3	J	Total Suspended Solids
75733-R1	W4	J	Total Suspended Solids

Qualifier Summary for HTB001

Polynuclear Aromatic Hydrocarbons

<i>Sample ID</i>	<i>Client Sample ID</i>	<i>Qualifier</i>	<i>Parameter</i>
75706-R1	W6	J	1-Methylnaphthalene
75734-R1	W5	J	1-Methylnaphthalene
75706-R1	W6	J	2-Methylnaphthalene
75706-R1	W6	J	Acenaphthene
75706-R1	W6	J	Acenaphthylene
75734-R1	W5	J	Acenaphthylene
75733-R1	W4	J	Anthracene
75733-R1	W4	J	Biphenyl
75706-R1	W6	J	Fluorene
75734-R1	W5	J	Fluorene

Qualifier Summary for HTB001

Trace Metals

<i>Sample ID</i>	<i>Client Sample ID</i>	<i>Qualifier</i>	<i>Parameter</i>
75730-R1	W1	J	Aluminum (Al)
75733-R1	W4	J	Aluminum (Al)
75734-R1	W5	J	Aluminum (Al)
75730-R1	W1	J	Antimony (Sb)
75731-R1	W2	J	Cadmium (Cd)
75706-R1	W6	J	Chromium (Cr)
75706-R2	W6	J	Chromium (Cr)
75731-R1	W2	J	Chromium (Cr)
75732-R1	W3	J	Chromium (Cr)
75733-R1	W4	J	Chromium (Cr)
75706-R1	W6	J	Cobalt (Co)
75706-R2	W6	J	Cobalt (Co)
75731-R1	W2	J	Cobalt (Co)
75734-R1	W5	J	Cobalt (Co)
75706-R1	W6	J	Copper (Cu)
75706-R2	W6	J	Copper (Cu)
75730-R1	W1	J	Lead (Pb)
75706-R1	W6	J	Selenium (Se)
75706-R2	W6	J	Selenium (Se)
75706-R2	W6	J	Titanium (Ti)
75734-R1	W5	J	Titanium (Ti)

DATA REPORT

CRG Marine Laboratories, Inc.

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

General Chemistry

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
75706-R1	W6				Freshwater	Sampled: 15-Oct-08	01:00		Received: 15-Oct-08	
Ammonia-N	NA	0.03	0.03	0.03	mg/L	5702016	10/16/2008	10/16/2008	SM 4500-NH3 F	J
pH	NA	7.7	0.1	0.1	pH Units	5716014	10/16/2008	10/16/2008	SM 4500 H+	H
Total Hardness as CaCO3	NA	216.4	1	5	mg/L	19136	10/25/2008	10/27/2008	SM 2340 B	
Total Suspended Solids	NA	133.6	0.5	5	mg/L	5724039	10/21/2008	10/21/2008	SM 2540 D	
75730-R1	W1				Freshwater	Sampled: 15-Oct-08	08:10		Received: 15-Oct-08	
Ammonia-N	NA	0.04	0.03	0.03	mg/L	5702016	10/16/2008	10/16/2008	SM 4500-NH3 F	
pH	NA	8.4	0.1	0.1	pH Units	5716014	10/16/2008	10/16/2008	SM 4500 H+	H
Total Hardness as CaCO3	NA	213.1	1	5	mg/L	19136	10/25/2008	10/27/2008	SM 2340 B	
Total Suspended Solids	NA	8.2	0.5	5	mg/L	5724039	10/21/2008	10/21/2008	SM 2540 D	
75731-R1	W2				Freshwater	Sampled: 15-Oct-08	08:40		Received: 15-Oct-08	
Ammonia-N	NA	0.04	0.03	0.03	mg/L	5702016	10/16/2008	10/16/2008	SM 4500-NH3 F	
pH	NA	8.6	0.1	0.1	pH Units	5716014	10/16/2008	10/16/2008	SM 4500 H+	H
Total Hardness as CaCO3	NA	186.1	1	5	mg/L	19136	10/25/2008	10/27/2008	SM 2340 B	
Total Suspended Solids	NA	2.8	0.5	5	mg/L	5724039	10/21/2008	10/21/2008	SM 2540 D	J
75732-R1	W3				Freshwater	Sampled: 15-Oct-08	09:00		Received: 15-Oct-08	
Ammonia-N	NA	0.66	0.03	0.03	mg/L	5702016	10/16/2008	10/16/2008	SM 4500-NH3 F	
pH	NA	8	0.1	0.1	pH Units	5716014	10/16/2008	10/16/2008	SM 4500 H+	H
Total Hardness as CaCO3	NA	212.6	1	5	mg/L	19136	10/25/2008	10/27/2008	SM 2340 B	
Total Suspended Solids	NA	1.5	0.5	5	mg/L	5724039	10/21/2008	10/21/2008	SM 2540 D	J
75733-R1	W4				Freshwater	Sampled: 15-Oct-08	11:40		Received: 15-Oct-08	
Ammonia-N	NA	0.67	0.03	0.03	mg/L	5702016	10/16/2008	10/16/2008	SM 4500-NH3 F	
pH	NA	7.7	0.1	0.1	pH Units	5716014	10/16/2008	10/16/2008	SM 4500 H+	H

HTB001 Compton Creek Watershed

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General Chemistry

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Total Hardness as CaCO3	NA	221.4	1	5	mg/L	19136	10/25/2008	10/27/2008	SM 2340 B	
Total Suspended Solids	NA	1.3	0.5	5	mg/L	5724039	10/21/2008	10/21/2008	SM 2540 D	J
75734-R1	W5				Freshwater	Sampled: 15-Oct-08	12:16		Received: 15-Oct-08	
Ammonia-N	NA	0.07	0.03	0.03	mg/L	5702016	10/16/2008	10/16/2008	SM 4500-NH3 F	
pH	NA	9.5	0.1	0.1	pH Units	5716014	10/16/2008	10/16/2008	SM 4500 H+	H
Total Hardness as CaCO3	NA	199.2	1	5	mg/L	19136	10/25/2008	10/27/2008	SM 2340 B	
Total Suspended Solids	NA	25.8	0.5	5	mg/L	5724039	10/21/2008	10/21/2008	SM 2540 D	

CRL Marine Laboratories, Inc.

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Polynuclear Aromatic Hydrocarbons

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
75706-R1	W6				Freshwater	Sampled: 15-Oct-08	01:00		Received: 15-Oct-08	
(d10-Acenaphthene)	Total	63			% Recovery	41121	10/16/2008	10/31/2008	EPA 625m	
(d10-Phenanthrene)	Total	63			% Recovery	41121	10/16/2008	10/31/2008	EPA 625m	
(d12-Chrysene)	Total	74			% Recovery	41121	10/16/2008	10/31/2008	EPA 625m	
(d12-Perylene)	Total	99			% Recovery	41121	10/16/2008	10/31/2008	EPA 625m	
(d8-Naphthalene)	Total	32			% Recovery	41121	10/16/2008	10/31/2008	EPA 625m	
1-Methylnaphthalene	Total	1.3	1	5	ng/L	41121	10/16/2008	10/31/2008	EPA 625m	J
1-Methylphenanthrene	Total	ND	1	5	ng/L	41121	10/16/2008	10/31/2008	EPA 625m	
2,3,5-Trimethylnaphthalene	Total	ND	1	5	ng/L	41121	10/16/2008	10/31/2008	EPA 625m	
2,6-Dimethylnaphthalene	Total	ND	1	5	ng/L	41121	10/16/2008	10/31/2008	EPA 625m	
2-Methylnaphthalene	Total	1	1	5	ng/L	41121	10/16/2008	10/31/2008	EPA 625m	J
Acenaphthene	Total	4.4	1	5	ng/L	41121	10/16/2008	10/31/2008	EPA 625m	J
Acenaphthylene	Total	2.4	1	5	ng/L	41121	10/16/2008	10/31/2008	EPA 625m	J
Anthracene	Total	ND	1	5	ng/L	41121	10/16/2008	10/31/2008	EPA 625m	
Benz[a]anthracene	Total	18.4	1	5	ng/L	41121	10/16/2008	10/31/2008	EPA 625m	
Benzo[a]pyrene	Total	24.8	1	5	ng/L	41121	10/16/2008	10/31/2008	EPA 625m	
Benzo[b]fluoranthene	Total	23.7	1	5	ng/L	41121	10/16/2008	10/31/2008	EPA 625m	
Benzo[e]pyrene	Total	28.2	1	5	ng/L	41121	10/16/2008	10/31/2008	EPA 625m	
Benzo[g,h,i]perylene	Total	ND	1	5	ng/L	41121	10/16/2008	10/31/2008	EPA 625m	
Benzo[k]fluoranthene	Total	11.2	1	5	ng/L	41121	10/16/2008	10/31/2008	EPA 625m	
Biphenyl	Total	ND	1	5	ng/L	41121	10/16/2008	10/31/2008	EPA 625m	
Chrysene	Total	28.6	1	5	ng/L	41121	10/16/2008	10/31/2008	EPA 625m	
Dibenz[a,h]anthracene	Total	ND	1	5	ng/L	41121	10/16/2008	10/31/2008	EPA 625m	
Dibenzothiophene	Total	ND	1	5	ng/L	41121	10/16/2008	10/31/2008	EPA 625m	
Fluoranthene	Total	30.2	1	5	ng/L	41121	10/16/2008	10/31/2008	EPA 625m	
Fluorene	Total	2.7	1	5	ng/L	41121	10/16/2008	10/31/2008	EPA 625m	J
Indeno[1,2,3-c,d]pyrene	Total	ND	1	5	ng/L	41121	10/16/2008	10/31/2008	EPA 625m	

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Polynuclear Aromatic Hydrocarbons

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Naphthalene	Total	6.3	1	5	ng/L	41121	10/16/2008	10/31/2008	EPA 625m	
Perylene	Total	ND	1	5	ng/L	41121	10/16/2008	10/31/2008	EPA 625m	
Phenanthrene	Total	11.2	1	5	ng/L	41121	10/16/2008	10/31/2008	EPA 625m	
Pyrene	Total	36.6	1	5	ng/L	41121	10/16/2008	10/31/2008	EPA 625m	

75733-R1	W4	Freshwater			Sampled: 15-Oct-08	11:40	Received: 15-Oct-08			
(d10-Acenaphthene)	Total	67		% Recovery	41121	10/16/2008	10/31/2008	EPA 625m		
(d10-Phenanthrene)	Total	63		% Recovery	41121	10/16/2008	10/31/2008	EPA 625m		
(d12-Chrysene)	Total	68		% Recovery	41121	10/16/2008	10/31/2008	EPA 625m		
(d12-Perylene)	Total	90		% Recovery	41121	10/16/2008	10/31/2008	EPA 625m		
(d8-Naphthalene)	Total	38		% Recovery	41121	10/16/2008	10/31/2008	EPA 625m		
1-Methylnaphthalene	Total	13.1	1	5	ng/L	41121	10/16/2008	10/31/2008	EPA 625m	
1-Methylphenanthrene	Total	ND	1	5	ng/L	41121	10/16/2008	10/31/2008	EPA 625m	
2,3,5-Trimethylnaphthalene	Total	ND	1	5	ng/L	41121	10/16/2008	10/31/2008	EPA 625m	
2,6-Dimethylnaphthalene	Total	ND	1	5	ng/L	41121	10/16/2008	10/31/2008	EPA 625m	
2-Methylnaphthalene	Total	7.1	1	5	ng/L	41121	10/16/2008	10/31/2008	EPA 625m	
Acenaphthene	Total	ND	1	5	ng/L	41121	10/16/2008	10/31/2008	EPA 625m	
Acenaphthylene	Total	5.5	1	5	ng/L	41121	10/16/2008	10/31/2008	EPA 625m	
Anthracene	Total	3.3	1	5	ng/L	41121	10/16/2008	10/31/2008	EPA 625m	J
Benz[a]anthracene	Total	ND	1	5	ng/L	41121	10/16/2008	10/31/2008	EPA 625m	
Benzo[a]pyrene	Total	ND	1	5	ng/L	41121	10/16/2008	10/31/2008	EPA 625m	
Benzo[b]fluoranthene	Total	ND	1	5	ng/L	41121	10/16/2008	10/31/2008	EPA 625m	
Benzo[e]pyrene	Total	ND	1	5	ng/L	41121	10/16/2008	10/31/2008	EPA 625m	
Benzo[g,h,i]perylene	Total	ND	1	5	ng/L	41121	10/16/2008	10/31/2008	EPA 625m	
Benzo[k]fluoranthene	Total	ND	1	5	ng/L	41121	10/16/2008	10/31/2008	EPA 625m	
Biphenyl	Total	4.1	1	5	ng/L	41121	10/16/2008	10/31/2008	EPA 625m	J
Chrysene	Total	ND	1	5	ng/L	41121	10/16/2008	10/31/2008	EPA 625m	
Dibenz[a,h]anthracene	Total	ND	1	5	ng/L	41121	10/16/2008	10/31/2008	EPA 625m	

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Polynuclear Aromatic Hydrocarbons

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Dibenzothiophene	Total	ND	1	5	ng/L	41121	10/16/2008	10/31/2008	EPA 625m	
Fluoranthene	Total	10.6	1	5	ng/L	41121	10/16/2008	10/31/2008	EPA 625m	
Fluorene	Total	9.4	1	5	ng/L	41121	10/16/2008	10/31/2008	EPA 625m	
Indeno[1,2,3-c,d]pyrene	Total	ND	1	5	ng/L	41121	10/16/2008	10/31/2008	EPA 625m	
Naphthalene	Total	26.1	1	5	ng/L	41121	10/16/2008	10/31/2008	EPA 625m	
Perylene	Total	ND	1	5	ng/L	41121	10/16/2008	10/31/2008	EPA 625m	
Phenanthrene	Total	13	1	5	ng/L	41121	10/16/2008	10/31/2008	EPA 625m	
Pyrene	Total	15.5	1	5	ng/L	41121	10/16/2008	10/31/2008	EPA 625m	

75734-R1	W5	Freshwater			Sampled: 15-Oct-08		12:16	Received: 15-Oct-08		
(d10-Acenaphthene)	Total	68		% Recovery	41121	10/16/2008	10/31/2008	EPA 625m		
(d10-Phenanthrene)	Total	66		% Recovery	41121	10/16/2008	10/31/2008	EPA 625m		
(d12-Chrysene)	Total	64		% Recovery	41121	10/16/2008	10/31/2008	EPA 625m		
(d12-Perylene)	Total	70		% Recovery	41121	10/16/2008	10/31/2008	EPA 625m		
(d8-Naphthalene)	Total	31		% Recovery	41121	10/16/2008	10/31/2008	EPA 625m		
1-Methylnaphthalene	Total	4.4	1	5	ng/L	41121	10/16/2008	10/31/2008	EPA 625m	J
1-Methylphenanthrene	Total	ND	1	5	ng/L	41121	10/16/2008	10/31/2008	EPA 625m	
2,3,5-Trimethylnaphthalene	Total	ND	1	5	ng/L	41121	10/16/2008	10/31/2008	EPA 625m	
2,6-Dimethylnaphthalene	Total	ND	1	5	ng/L	41121	10/16/2008	10/31/2008	EPA 625m	
2-Methylnaphthalene	Total	6.6	1	5	ng/L	41121	10/16/2008	10/31/2008	EPA 625m	
Acenaphthene	Total	ND	1	5	ng/L	41121	10/16/2008	10/31/2008	EPA 625m	
Acenaphthylene	Total	2.8	1	5	ng/L	41121	10/16/2008	10/31/2008	EPA 625m	J
Anthracene	Total	ND	1	5	ng/L	41121	10/16/2008	10/31/2008	EPA 625m	
Benz[a]anthracene	Total	ND	1	5	ng/L	41121	10/16/2008	10/31/2008	EPA 625m	
Benzo[a]pyrene	Total	ND	1	5	ng/L	41121	10/16/2008	10/31/2008	EPA 625m	
Benzo[b]fluoranthene	Total	ND	1	5	ng/L	41121	10/16/2008	10/31/2008	EPA 625m	
Benzo[e]pyrene	Total	ND	1	5	ng/L	41121	10/16/2008	10/31/2008	EPA 625m	
Benzo[g,h,i]perylene	Total	ND	1	5	ng/L	41121	10/16/2008	10/31/2008	EPA 625m	

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ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Benzo[k]fluoranthene	Total	ND	1	5	ng/L	41121	10/16/2008	10/31/2008	EPA 625m	
Biphenyl	Total	ND	1	5	ng/L	41121	10/16/2008	10/31/2008	EPA 625m	
Chrysene	Total	ND	1	5	ng/L	41121	10/16/2008	10/31/2008	EPA 625m	
Dibenz[a,h]anthracene	Total	ND	1	5	ng/L	41121	10/16/2008	10/31/2008	EPA 625m	
Dibenzothiophene	Total	ND	1	5	ng/L	41121	10/16/2008	10/31/2008	EPA 625m	
Fluoranthene	Total	ND	1	5	ng/L	41121	10/16/2008	10/31/2008	EPA 625m	
Fluorene	Total	3	1	5	ng/L	41121	10/16/2008	10/31/2008	EPA 625m	J
Indeno[1,2,3-c,d]pyrene	Total	ND	1	5	ng/L	41121	10/16/2008	10/31/2008	EPA 625m	
Naphthalene	Total	17.5	1	5	ng/L	41121	10/16/2008	10/31/2008	EPA 625m	
Perylene	Total	ND	1	5	ng/L	41121	10/16/2008	10/31/2008	EPA 625m	
Phenanthrene	Total	14.8	1	5	ng/L	41121	10/16/2008	10/31/2008	EPA 625m	
Pyrene	Total	ND	1	5	ng/L	41121	10/16/2008	10/31/2008	EPA 625m	

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Trace Metals

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
75706-R1	W6				Freshwater	Sampled: 15-Oct-08	01:00		Received: 15-Oct-08	
Aluminum (Al)	Total	71	5	10	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Aluminum (Al)	Dissolved	ND	5	10	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Antimony (Sb)	Total	1.2	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Antimony (Sb)	Dissolved	1.2	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Arsenic (As)	Total	2.7	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Arsenic (As)	Dissolved	2.6	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Barium (Ba)	Total	107	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Barium (Ba)	Dissolved	103.2	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Beryllium (Be)	Total	ND	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Beryllium (Be)	Dissolved	ND	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Cadmium (Cd)	Total	ND	0.2	0.4	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Cadmium (Cd)	Dissolved	ND	0.2	0.4	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Chromium (Cr)	Total	0.3	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	J
Chromium (Cr)	Dissolved	0.2	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	J
Cobalt (Co)	Total	0.1	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	J
Cobalt (Co)	Dissolved	ND	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Copper (Cu)	Total	0.9	0.4	0.8	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Copper (Cu)	Dissolved	0.5	0.4	0.8	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	J
Iron (Fe)	Total	164	5	10	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Iron (Fe)	Dissolved	33	5	10	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Lead (Pb)	Total	1.05	0.05	0.1	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Lead (Pb)	Dissolved	0.2	0.05	0.1	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Manganese (Mn)	Total	36.9	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Manganese (Mn)	Dissolved	4.8	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Molybdenum (Mo)	Total	9.5	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Molybdenum (Mo)	Dissolved	9.4	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	

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Trace Metals

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Nickel (Ni)	Total	3.5	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Nickel (Ni)	Dissolved	3.2	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Selenium (Se)	Total	0.3	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	J
Selenium (Se)	Dissolved	0.3	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	J
Silver (Ag)	Total	ND	0.5	1	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Silver (Ag)	Dissolved	ND	0.5	1	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Strontium (Sr)	Total	838	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Strontium (Sr)	Dissolved	811.2	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Thallium (Tl)	Total	ND	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Thallium (Tl)	Dissolved	ND	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Tin (Sn)	Total	ND	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Tin (Sn)	Dissolved	ND	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Titanium (Ti)	Total	3.6	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Titanium (Ti)	Dissolved	ND	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Vanadium (V)	Total	1.1	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Vanadium (V)	Dissolved	0.9	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Zinc (Zn)	Total	4	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Zinc (Zn)	Dissolved	2.7	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	

75730-R1	W1	Freshwater			Sampled: 15-Oct-08		08:10	Received: 15-Oct-08		
Aluminum (Al)	Total	125	5	10	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Aluminum (Al)	Dissolved	5	5	10	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	J
Antimony (Sb)	Total	0.5	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Antimony (Sb)	Dissolved	0.4	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	J
Arsenic (As)	Total	1.2	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Arsenic (As)	Dissolved	1	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Barium (Ba)	Total	128.1	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Barium (Ba)	Dissolved	120.1	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	

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Trace Metals

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Beryllium (Be)	Total	ND	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Beryllium (Be)	Dissolved	ND	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Cadmium (Cd)	Total	ND	0.2	0.4	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Cadmium (Cd)	Dissolved	ND	0.2	0.4	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Chromium (Cr)	Total	2.2	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Chromium (Cr)	Dissolved	1.8	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Cobalt (Co)	Total	ND	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Cobalt (Co)	Dissolved	ND	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Copper (Cu)	Total	4.8	0.4	0.8	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Copper (Cu)	Dissolved	1.4	0.4	0.8	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Iron (Fe)	Total	196	5	10	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Iron (Fe)	Dissolved	11	5	10	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Lead (Pb)	Total	2.7	0.05	0.1	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Lead (Pb)	Dissolved	0.06	0.05	0.1	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	J
Manganese (Mn)	Total	18.1	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Manganese (Mn)	Dissolved	0.9	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Molybdenum (Mo)	Total	7.2	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Molybdenum (Mo)	Dissolved	8.3	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Nickel (Ni)	Total	1.3	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Nickel (Ni)	Dissolved	0.7	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Selenium (Se)	Total	1.4	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Selenium (Se)	Dissolved	1.4	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Silver (Ag)	Total	ND	0.5	1	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Silver (Ag)	Dissolved	ND	0.5	1	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Strontium (Sr)	Total	766.9	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Strontium (Sr)	Dissolved	755.7	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Thallium (Tl)	Total	ND	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Thallium (Tl)	Dissolved	ND	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	

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Trace Metals

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Tin (Sn)	Total	ND	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Tin (Sn)	Dissolved	ND	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Titanium (Ti)	Total	5.1	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Titanium (Ti)	Dissolved	ND	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Vanadium (V)	Total	3.8	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Vanadium (V)	Dissolved	3.2	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Zinc (Zn)	Total	27	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Zinc (Zn)	Dissolved	8.2	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	

75731-R1	W2	Freshwater			Sampled: 15-Oct-08		08:40	Received: 15-Oct-08		
Aluminum (Al)	Total	43	5	10	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Aluminum (Al)	Dissolved	19	5	10	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Antimony (Sb)	Total	2.2	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Antimony (Sb)	Dissolved	2.2	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Arsenic (As)	Total	3.5	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Arsenic (As)	Dissolved	3.4	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Barium (Ba)	Total	82.7	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Barium (Ba)	Dissolved	77.6	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Beryllium (Be)	Total	ND	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Beryllium (Be)	Dissolved	ND	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Cadmium (Cd)	Total	0.2	0.2	0.4	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	J
Cadmium (Cd)	Dissolved	ND	0.2	0.4	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Chromium (Cr)	Total	0.5	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Chromium (Cr)	Dissolved	0.4	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	J
Cobalt (Co)	Total	0.4	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	J
Cobalt (Co)	Dissolved	0.3	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	J
Copper (Cu)	Total	10.7	0.4	0.8	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Copper (Cu)	Dissolved	8.2	0.4	0.8	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	

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Trace Metals

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Iron (Fe)	Total	122	5	10	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Iron (Fe)	Dissolved	56	5	10	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Lead (Pb)	Total	1.85	0.05	0.1	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Lead (Pb)	Dissolved	0.56	0.05	0.1	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Manganese (Mn)	Total	9.3	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Manganese (Mn)	Dissolved	1.1	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Molybdenum (Mo)	Total	8.7	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Molybdenum (Mo)	Dissolved	9.6	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Nickel (Ni)	Total	8.1	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Nickel (Ni)	Dissolved	7.6	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Selenium (Se)	Total	0.5	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Selenium (Se)	Dissolved	0.5	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Silver (Ag)	Total	ND	0.5	1	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Silver (Ag)	Dissolved	ND	0.5	1	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Strontium (Sr)	Total	657.1	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Strontium (Sr)	Dissolved	639.8	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Thallium (Tl)	Total	ND	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Thallium (Tl)	Dissolved	ND	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Tin (Sn)	Total	ND	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Tin (Sn)	Dissolved	ND	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Titanium (Ti)	Total	1.2	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Titanium (Ti)	Dissolved	0.5	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Vanadium (V)	Total	4.7	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Vanadium (V)	Dissolved	4.4	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Zinc (Zn)	Total	70.4	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Zinc (Zn)	Dissolved	58.6	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	

75732-R1

W3

Freshwater

Sampled: 15-Oct-08

09:00

Received: 15-Oct-08

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Trace Metals

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Aluminum (Al)	Total	57	5	10	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Aluminum (Al)	Dissolved	44	5	10	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Antimony (Sb)	Total	0.5	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Antimony (Sb)	Dissolved	0.5	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Arsenic (As)	Total	1.9	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Arsenic (As)	Dissolved	1.7	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Barium (Ba)	Total	123.2	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Barium (Ba)	Dissolved	120.1	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Beryllium (Be)	Total	ND	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Beryllium (Be)	Dissolved	ND	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Cadmium (Cd)	Total	ND	0.2	0.4	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Cadmium (Cd)	Dissolved	ND	0.2	0.4	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Chromium (Cr)	Total	0.1	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	J
Chromium (Cr)	Dissolved	0.1	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	J
Cobalt (Co)	Total	ND	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Cobalt (Co)	Dissolved	ND	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Copper (Cu)	Total	2.6	0.4	0.8	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Copper (Cu)	Dissolved	0.8	0.4	0.8	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Iron (Fe)	Total	78	5	10	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Iron (Fe)	Dissolved	29	5	10	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Lead (Pb)	Total	0.23	0.05	0.1	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Lead (Pb)	Dissolved	ND	0.05	0.1	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Manganese (Mn)	Total	9	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Manganese (Mn)	Dissolved	7.3	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Molybdenum (Mo)	Total	5.3	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Molybdenum (Mo)	Dissolved	5.5	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Nickel (Ni)	Total	0.9	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Nickel (Ni)	Dissolved	0.9	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	

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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
Selenium (Se)	Total	1.6	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Selenium (Se)	Dissolved	1.6	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Silver (Ag)	Total	ND	0.5	1	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Silver (Ag)	Dissolved	ND	0.5	1	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Strontium (Sr)	Total	1069	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Strontium (Sr)	Dissolved	1037	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Thallium (Tl)	Total	ND	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Thallium (Tl)	Dissolved	ND	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Tin (Sn)	Total	ND	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Tin (Sn)	Dissolved	ND	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Titanium (Ti)	Total	0.5	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Titanium (Ti)	Dissolved	ND	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Vanadium (V)	Total	4.1	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Vanadium (V)	Dissolved	3.9	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Zinc (Zn)	Total	13.5	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Zinc (Zn)	Dissolved	6.2	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	

75733-R1	W4	Freshwater			Sampled: 15-Oct-08		11:40	Received: 15-Oct-08		
Aluminum (Al)	Total	45	5	10	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Aluminum (Al)	Dissolved	5	5	10	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	J
Antimony (Sb)	Total	8.8	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Antimony (Sb)	Dissolved	8.7	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Arsenic (As)	Total	2.8	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Arsenic (As)	Dissolved	2.8	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Barium (Ba)	Total	119.4	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Barium (Ba)	Dissolved	115.2	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Beryllium (Be)	Total	ND	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Beryllium (Be)	Dissolved	ND	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	

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Trace Metals

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Cadmium (Cd)	Total	ND	0.2	0.4	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Cadmium (Cd)	Dissolved	ND	0.2	0.4	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Chromium (Cr)	Total	0.5	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Chromium (Cr)	Dissolved	0.3	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	J
Cobalt (Co)	Total	0.5	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Cobalt (Co)	Dissolved	0.5	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Copper (Cu)	Total	5.4	0.4	0.8	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Copper (Cu)	Dissolved	3.6	0.4	0.8	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Iron (Fe)	Total	181	5	10	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Iron (Fe)	Dissolved	108	5	10	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Lead (Pb)	Total	0.83	0.05	0.1	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Lead (Pb)	Dissolved	0.5	0.05	0.1	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Manganese (Mn)	Total	45.8	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Manganese (Mn)	Dissolved	43.6	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Molybdenum (Mo)	Total	12.8	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Molybdenum (Mo)	Dissolved	13.2	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Nickel (Ni)	Total	5.1	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Nickel (Ni)	Dissolved	4.9	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Selenium (Se)	Total	1.1	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Selenium (Se)	Dissolved	1.1	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Silver (Ag)	Total	ND	0.5	1	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Silver (Ag)	Dissolved	ND	0.5	1	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Strontium (Sr)	Total	925.6	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Strontium (Sr)	Dissolved	901.5	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Thallium (Tl)	Total	ND	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Thallium (Tl)	Dissolved	ND	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Tin (Sn)	Total	ND	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Tin (Sn)	Dissolved	ND	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	

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Trace Metals

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Titanium (Ti)	Total	3.7	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Titanium (Ti)	Dissolved	0.6	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Vanadium (V)	Total	2.8	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Vanadium (V)	Dissolved	2.7	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Zinc (Zn)	Total	23.4	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Zinc (Zn)	Dissolved	18.8	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	

75734-R1	W5	Freshwater			Sampled: 15-Oct-08		12:16	Received: 15-Oct-08		
Aluminum (Al)	Total	36	5	10	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Aluminum (Al)	Dissolved	5	5	10	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	J
Antimony (Sb)	Total	1.8	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Antimony (Sb)	Dissolved	1.8	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Arsenic (As)	Total	3.3	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Arsenic (As)	Dissolved	3.3	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Barium (Ba)	Total	109.9	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Barium (Ba)	Dissolved	106.4	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Beryllium (Be)	Total	ND	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Beryllium (Be)	Dissolved	ND	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Cadmium (Cd)	Total	ND	0.2	0.4	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Cadmium (Cd)	Dissolved	ND	0.2	0.4	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Chromium (Cr)	Total	0.6	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Chromium (Cr)	Dissolved	0.5	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Cobalt (Co)	Total	0.2	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	J
Cobalt (Co)	Dissolved	0.2	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	J
Copper (Cu)	Total	14.1	0.4	0.8	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Copper (Cu)	Dissolved	10.1	0.4	0.8	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Iron (Fe)	Total	106	5	10	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Iron (Fe)	Dissolved	40	5	10	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	

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Trace Metals

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Lead (Pb)	Total	1.9	0.05	0.1	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Lead (Pb)	Dissolved	0.72	0.05	0.1	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Manganese (Mn)	Total	23.9	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Manganese (Mn)	Dissolved	9.7	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Molybdenum (Mo)	Total	9.7	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Molybdenum (Mo)	Dissolved	10.5	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Nickel (Ni)	Total	5	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Nickel (Ni)	Dissolved	4.6	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Selenium (Se)	Total	0.5	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Selenium (Se)	Dissolved	0.6	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Silver (Ag)	Total	ND	0.5	1	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Silver (Ag)	Dissolved	ND	0.5	1	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Strontium (Sr)	Total	773.1	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Strontium (Sr)	Dissolved	769.6	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Thallium (Tl)	Total	ND	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Thallium (Tl)	Dissolved	ND	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Tin (Sn)	Total	ND	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Tin (Sn)	Dissolved	ND	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Titanium (Ti)	Total	1.5	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Titanium (Ti)	Dissolved	0.3	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	J
Vanadium (V)	Total	4.6	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Vanadium (V)	Dissolved	4.7	0.2	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Zinc (Zn)	Total	52.5	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	
Zinc (Zn)	Dissolved	39.4	0.1	0.5	µg/L	19136	10/25/2008	10/27/2008	EPA 200.8m	

QUALITY CONTROL REPORT

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QUALITY CONTROL REPORT

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General Chemistry

QUALITY CONTROL REPORT

Analyte	Batch ID	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
Ammonia-N Prepared: 16-Oct-08 Analyzed: 16-Oct-08	5702016	0.27	0.03	0.03	mg/L	0.25	0.04	92	70 - 130%	PASS				
Fraction: NA Matrix Spike Dup 75730-MS2														
Ammonia-N Prepared: 16-Oct-08 Analyzed: 16-Oct-08	5702016	0.29	0.03	0.03	mg/L	0.25	0.04	100	70 - 130%	PASS	8	30	PASS	
Fraction: NA Lab Dup 75730-R2														
Ammonia-N Prepared: 16-Oct-08 Analyzed: 16-Oct-08	5702016	0.04	0.03	0.03	mg/L						0	30	PASS	
pH Prepared: 16-Oct-08 Analyzed: 16-Oct-08	5716014	8.4	0.1	0.1	pH Units						0	30	PASS	H

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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
<div> <div>Lab Blank</div> <div>75729-B1</div> <div>QAQC Procedural Blank</div> <div>DI Water</div> <div>Prepared 10/16/2008</div> <div>Analyzed 31-Oct-08</div> </div>															
(d10-Acenaphthene)	Total	41121	67			% Recovery	100		67	63 - 111%	PASS				
(d10-Phenanthrene)	Total	41121	62			% Recovery	100		62	61 - 127%	PASS				
(d12-Chrysene)	Total	41121	72			% Recovery	100		72	56 - 139%	PASS				
(d12-Perylene)	Total	41121	69			% Recovery	100		69	41 - 133%	PASS				
(d8-Naphthalene)	Total	41121	30			% Recovery	100		30	30 - 114%	PASS				
1-Methylnaphthalene	Total	41121	ND	1	5	ng/L									
1-Methylphenanthrene	Total	41121	ND	1	5	ng/L									
2,3,5-Trimethylnaphthalene	Total	41121	ND	1	5	ng/L									
2,6-Dimethylnaphthalene	Total	41121	ND	1	5	ng/L									
2-Methylnaphthalene	Total	41121	ND	1	5	ng/L									
Acenaphthene	Total	41121	ND	1	5	ng/L									
Acenaphthylene	Total	41121	ND	1	5	ng/L									
Anthracene	Total	41121	ND	1	5	ng/L									
Benz[a]anthracene	Total	41121	ND	1	5	ng/L									
Benzo[a]pyrene	Total	41121	ND	1	5	ng/L									
Benzo[b]fluoranthene	Total	41121	ND	1	5	ng/L									
Benzo[e]pyrene	Total	41121	ND	1	5	ng/L									
Benzo[g,h,i]perylene	Total	41121	ND	1	5	ng/L									
Benzo[k]fluoranthene	Total	41121	ND	1	5	ng/L									
Biphenyl	Total	41121	ND	1	5	ng/L									
Chrysene	Total	41121	ND	1	5	ng/L									
Dibenz[a,h]anthracene	Total	41121	ND	1	5	ng/L									
Dibenzothiophene	Total	41121	ND	1	5	ng/L									
Fluoranthene	Total	41121	ND	1	5	ng/L									
Fluorene	Total	41121	ND	1	5	ng/L									

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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	Total	41121	ND	1	5	ng/L									
Naphthalene	Total	41121	ND	1	5	ng/L									
Perylene	Total	41121	ND	1	5	ng/L									
Phenanthrene	Total	41121	ND	1	5	ng/L									
Pyrene	Total	41121	ND	1	5	ng/L									

Blank Spike		75729-BS1		QAQC Procedural Blank			DI Water			Prepared 10/16/2008			Analyzed 31-Oct-08		
(d10-Acenaphthene)	Total	41121	69				% Recovery	100	0	69	63 - 111%	PASS			
(d10-Phenanthrene)	Total	41121	64				% Recovery	100	0	64	61 - 127%	PASS			
(d12-Chrysene)	Total	41121	65				% Recovery	100	0	65	56 - 139%	PASS			
(d12-Perylene)	Total	41121	77				% Recovery	100	0	77	41 - 133%	PASS			
(d8-Naphthalene)	Total	41121	40				% Recovery	100	0	40	30 - 114%	PASS			
1-Methylnaphthalene	Total	41121	182.8	1	5	ng/L		226.9	0	81	55 - 105%	PASS			
1-Methylphenanthrene	Total	41121	206.6	1	5	ng/L		226.9	0	91	65 - 133%	PASS			
2,3,5-Trimethylnaphthalene	Total	41121	198.1	1	5	ng/L		226.9	0	87	60 - 121%	PASS			
2,6-Dimethylnaphthalene	Total	41121	183.8	1	5	ng/L		226.9	0	81	56 - 114%	PASS			
2-Methylnaphthalene	Total	41121	186.2	1	5	ng/L		226.9	0	82	44 - 124%	PASS			
Acenaphthene	Total	41121	543.4	1	5	ng/L		680.6	0	80	61 - 116%	PASS			
Acenaphthylene	Total	41121	180.2	1	5	ng/L		226.9	0	79	62 - 115%	PASS			
Anthracene	Total	41121	186.2	1	5	ng/L		226.9	0	82	64 - 112%	PASS			
Benz[a]anthracene	Total	41121	243.4	1	5	ng/L		226.9	0	107	56 - 151%	PASS			
Benzo[a]pyrene	Total	41121	236.6	1	5	ng/L		226.9	0	104	50 - 153%	PASS			
Benzo[b]fluoranthene	Total	41121	238.7	1	5	ng/L		226.9	0	105	45 - 155%	PASS			
Benzo[e]pyrene	Total	41121	243.1	1	5	ng/L		226.9	0	107	49 - 146%	PASS			
Benzo[g,h,i]perylene	Total	41121	180.8	1	5	ng/L		226.9	0	80	45 - 165%	PASS			
Benzo[k]fluoranthene	Total	41121	233.4	1	5	ng/L		226.9	0	103	61 - 143%	PASS			
Biphenyl	Total	41121	185.5	1	5	ng/L		226.9	0	82	47 - 118%	PASS			

HTB001 Compton Creek Watershed

CRL Marine Laboratories, Inc.

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

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	Total	41121	237.8	1	5	ng/L	226.9	0	105	47 - 144%	PASS				
Dibenz[a,h]anthracene	Total	41121	173.7	1	5	ng/L	226.9	0	77	52 - 156%	PASS				
Dibenzothiophene	Total	41121	199.4	1	5	ng/L	226.9	0	88	54 - 136%	PASS				
Fluoranthene	Total	41121	219.8	1	5	ng/L	226.9	0	97	66 - 132%	PASS				
Fluorene	Total	41121	191.2	1	5	ng/L	226.9	0	84	60 - 122%	PASS				
Indeno[1,2,3-c,d]pyrene	Total	41121	180.8	1	5	ng/L	226.9	0	80	53 - 161%	PASS				
Naphthalene	Total	41121	149.2	1	5	ng/L	226.9	0	66	41 - 109%	PASS				
Perylene	Total	41121	211.5	1	5	ng/L	226.9	0	93	51 - 144%	PASS				
Phenanthrene	Total	41121	205.2	1	5	ng/L	226.9	0	90	56 - 127%	PASS				
Pyrene	Total	41121	684.2	1	5	ng/L	680.6	0	101	13 - 168%	PASS				

QAQC Procedural Blank DI Water

Prepared 10/16/2008

Analyzed 31-Oct-08

Blank Spike Dup 75729-BS2

(d10-Acenaphthene)	Total	41121	69			% Recovery	100	0	69	63 - 111%	PASS	0	30	PASS	
(d10-Phenanthrene)	Total	41121	64			% Recovery	100	0	64	61 - 127%	PASS	0	30	PASS	
(d12-Chrysene)	Total	41121	69			% Recovery	100	0	69	56 - 139%	PASS	6	30	PASS	
(d12-Perylene)	Total	41121	80			% Recovery	100	0	80	41 - 133%	PASS	4	30	PASS	
(d8-Naphthalene)	Total	41121	31			% Recovery	100	0	31	30 - 114%	PASS	25	30	PASS	
1-Methylnaphthalene	Total	41121	145.3	1	5	ng/L	226.9	0	64	55 - 105%	PASS	23	30	PASS	
1-Methylphenanthrene	Total	41121	210.6	1	5	ng/L	226.9	0	93	65 - 133%	PASS	2	30	PASS	
2,3,5-Trimethylnaphthalene	Total	41121	176.7	1	5	ng/L	226.9	0	78	60 - 121%	PASS	11	30	PASS	
2,6-Dimethylnaphthalene	Total	41121	153.8	1	5	ng/L	226.9	0	68	56 - 114%	PASS	17	30	PASS	
2-Methylnaphthalene	Total	41121	154.3	1	5	ng/L	226.9	0	68	44 - 124%	PASS	19	30	PASS	
Acenaphthene	Total	41121	463.4	1	5	ng/L	680.6	0	68	61 - 116%	PASS	16	30	PASS	
Acenaphthylene	Total	41121	155.8	1	5	ng/L	226.9	0	69	62 - 115%	PASS	14	30	PASS	
Anthracene	Total	41121	188.1	1	5	ng/L	226.9	0	83	64 - 112%	PASS	1	30	PASS	
Benz[a]anthracene	Total	41121	255.9	1	5	ng/L	226.9	0	113	56 - 151%	PASS	5	30	PASS	
Benzo[a]pyrene	Total	41121	221.8	1	5	ng/L	226.9	0	98	50 - 153%	PASS	6	30	PASS	

HTB001 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
Benzo[b]fluoranthene	Total	41121	243.7	1	5	ng/L	226.9	0	107	45 - 155%	PASS	2	30	PASS	
Benzo[e]pyrene	Total	41121	255.1	1	5	ng/L	226.9	0	112	49 - 146%	PASS	5	30	PASS	
Benzo[g,h,i]perylene	Total	41121	144	1	5	ng/L	226.9	0	63	45 - 165%	PASS	24	30	PASS	
Benzo[k]fluoranthene	Total	41121	261.3	1	5	ng/L	226.9	0	115	61 - 143%	PASS	11	30	PASS	
Biphenyl	Total	41121	158.7	1	5	ng/L	226.9	0	70	47 - 118%	PASS	16	30	PASS	
Chrysene	Total	41121	256.9	1	5	ng/L	226.9	0	113	47 - 144%	PASS	7	30	PASS	
Dibenz[a,h]anthracene	Total	41121	141.8	1	5	ng/L	226.9	0	62	52 - 156%	PASS	22	30	PASS	
Dibenzothiophene	Total	41121	200.4	1	5	ng/L	226.9	0	88	54 - 136%	PASS	0	30	PASS	
Fluoranthene	Total	41121	229.3	1	5	ng/L	226.9	0	101	66 - 132%	PASS	4	30	PASS	
Fluorene	Total	41121	179.2	1	5	ng/L	226.9	0	79	60 - 122%	PASS	6	30	PASS	
Indeno[1,2,3-c,d]pyrene	Total	41121	155.1	1	5	ng/L	226.9	0	68	53 - 161%	PASS	16	30	PASS	
Naphthalene	Total	41121	125	1	5	ng/L	226.9	0	55	41 - 109%	PASS	18	30	PASS	
Perylene	Total	41121	230.1	1	5	ng/L	226.9	0	101	51 - 144%	PASS	8	30	PASS	
Phenanthrene	Total	41121	196.6	1	5	ng/L	226.9	0	87	56 - 127%	PASS	3	30	PASS	
Pyrene	Total	41121	685.9	1	5	ng/L	680.6	0	101	13 - 168%	PASS	0	30	PASS	

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
W6						Prepared 10/25/2008					Analyzed 27-Oct-08				
Matrix Spike	75706-MS1		Freshwater												
Aluminum (Al)	Dissolved	19136	115.5	5	10	µg/L	100	0	115	22 - 182%	PASS				
Antimony (Sb)	Dissolved	19136	10.2	0.1	0.5	µg/L	10	1.2	90	73 - 125%	PASS				
Arsenic (As)	Dissolved	19136	125.2	0.2	0.5	µg/L	100	2.5	123	74 - 151%	PASS				
Barium (Ba)	Dissolved	19136	216.5	0.2	0.5	µg/L	100	102.65	114	76 - 139%	PASS				
Beryllium (Be)	Dissolved	19136	97.8	0.2	0.5	µg/L	100	0	98	74 - 122%	PASS				
Cadmium (Cd)	Dissolved	19136	10.3	0.2	0.4	µg/L	10	0	103	74 - 131%	PASS				
Chromium (Cr)	Dissolved	19136	104.2	0.1	0.5	µg/L	100	0.2	104	79 - 127%	PASS				
Cobalt (Co)	Dissolved	19136	102.7	0.1	0.5	µg/L	100	0	103	78 - 125%	PASS				
Copper (Cu)	Dissolved	19136	97.6	0.4	0.8	µg/L	100	0.55	97	55 - 132%	PASS				
Iron (Fe)	Dissolved	19136	128.9	5	10	µg/L	100	32	97	31 - 163%	PASS				
Lead (Pb)	Dissolved	19136	94.9	0.05	0.1	µg/L	100	0.205	95	76 - 120%	PASS				
Manganese (Mn)	Dissolved	19136	106.8	0.2	0.5	µg/L	100	4.75	102	78 - 131%	PASS				
Molybdenum (Mo)	Dissolved	19136	115.6	0.2	0.5	µg/L	100	9.45	106	71 - 123%	PASS				
Nickel (Ni)	Dissolved	19136	101.4	0.2	0.5	µg/L	100	3.25	98	77 - 108%	PASS				
Selenium (Se)	Dissolved	19136	111	0.2	0.5	µg/L	100	0.3	111	74 - 125%	PASS				
Silver (Ag)	Dissolved	19136	10.2	0.5	1	µg/L	10	0	102	73 - 127%	PASS				
Strontium (Sr)	Dissolved	19136	940.2	0.1	0.5	µg/L	100	810.6	130	63 - 147%	PASS				
Thallium (Tl)	Dissolved	19136	95	0.1	0.5	µg/L	100	0	95	83 - 120%	PASS				
Tin (Sn)	Dissolved	19136	94.3	0.1	0.5	µg/L	100	0	94	76 - 126%	PASS				
Titanium (Ti)	Dissolved	19136	107.1	0.2	0.5	µg/L	100	0	107	72 - 127%	PASS				
Vanadium (V)	Dissolved	19136	112.9	0.2	0.5	µg/L	100	0.9	112	81 - 130%	PASS				
Zinc (Zn)	Dissolved	19136	108.4	0.1	0.5	µg/L	100	2.6	106	67 - 141%	PASS				
W6						Prepared 10/25/2008					Analyzed 27-Oct-08				
Matrix Spike Dup	75706-MS2		Freshwater												
Aluminum (Al)	Dissolved	19136	115.1	5	10	µg/L	100	0	115	22 - 182%	PASS	1	30	PASS	
HTB001	Compton Creek Watershed														

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
Antimony (Sb)	Dissolved	19136	10.3	0.1	0.5	µg/L	10	1.2	91	73 - 125%	PASS	1	30	PASS	
Arsenic (As)	Dissolved	19136	125.5	0.2	0.5	µg/L	100	2.5	123	74 - 151%	PASS	0	30	PASS	
Barium (Ba)	Dissolved	19136	219.4	0.2	0.5	µg/L	100	102.65	117	76 - 139%	PASS	3	30	PASS	
Beryllium (Be)	Dissolved	19136	99.2	0.2	0.5	µg/L	100	0	99	74 - 122%	PASS	1	30	PASS	
Cadmium (Cd)	Dissolved	19136	10.4	0.2	0.4	µg/L	10	0	104	74 - 131%	PASS	1	30	PASS	
Chromium (Cr)	Dissolved	19136	104.9	0.1	0.5	µg/L	100	0.2	105	79 - 127%	PASS	1	30	PASS	
Cobalt (Co)	Dissolved	19136	103.2	0.1	0.5	µg/L	100	0	103	78 - 125%	PASS	0	30	PASS	
Copper (Cu)	Dissolved	19136	98.2	0.4	0.8	µg/L	100	0.55	98	55 - 132%	PASS	1	30	PASS	
Iron (Fe)	Dissolved	19136	130.7	5	10	µg/L	100	32	99	31 - 163%	PASS	2	30	PASS	
Lead (Pb)	Dissolved	19136	95.1	0.05	0.1	µg/L	100	0.205	95	76 - 120%	PASS	0	30	PASS	
Manganese (Mn)	Dissolved	19136	106.4	0.2	0.5	µg/L	100	4.75	102	78 - 131%	PASS	0	30	PASS	
Molybdenum (Mo)	Dissolved	19136	116.2	0.2	0.5	µg/L	100	9.45	107	71 - 123%	PASS	1	30	PASS	
Nickel (Ni)	Dissolved	19136	101.2	0.2	0.5	µg/L	100	3.25	98	77 - 108%	PASS	0	30	PASS	
Selenium (Se)	Dissolved	19136	110.2	0.2	0.5	µg/L	100	0.3	110	74 - 125%	PASS	1	30	PASS	
Silver (Ag)	Dissolved	19136	10.1	0.5	1	µg/L	10	0	101	73 - 127%	PASS	1	30	PASS	
Strontium (Sr)	Dissolved	19136	938.5	0.1	0.5	µg/L	100	810.6	128	63 - 147%	PASS	2	30	PASS	
Thallium (Tl)	Dissolved	19136	94.9	0.1	0.5	µg/L	100	0	95	83 - 120%	PASS	0	30	PASS	
Tin (Sn)	Dissolved	19136	97	0.1	0.5	µg/L	100	0	97	76 - 126%	PASS	3	30	PASS	
Titanium (Ti)	Dissolved	19136	104.9	0.2	0.5	µg/L	100	0	105	72 - 127%	PASS	2	30	PASS	
Vanadium (V)	Dissolved	19136	113.8	0.2	0.5	µg/L	100	0.9	113	81 - 130%	PASS	1	30	PASS	
Zinc (Zn)	Dissolved	19136	108.8	0.1	0.5	µg/L	100	2.6	106	67 - 141%	PASS	0	30	PASS	

W6

Prepared 10/25/2008

Analyzed 27-Oct-08

Lab Dup	75706-R2														
Aluminum (Al)	Total	19136	67	5	10	µg/L						6	30	PASS	
Aluminum (Al)	Dissolved	19136	ND	5	10	µg/L						0	30	PASS	
Antimony (Sb)	Total	19136	1.2	0.1	0.5	µg/L						0	30	PASS	
Antimony (Sb)	Dissolved	19136	1.2	0.1	0.5	µg/L						0	30	PASS	

HTB001

Compton Creek Watershed

CRG Marine Laboratories, Inc.

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

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)	Total	19136	2.7	0.2	0.5	µg/L						0	30	PASS	
Arsenic (As)	Dissolved	19136	2.4	0.2	0.5	µg/L						8	30	PASS	
Barium (Ba)	Total	19136	106.6	0.2	0.5	µg/L						0	30	PASS	
Barium (Ba)	Dissolved	19136	102.1	0.2	0.5	µg/L						1	30	PASS	
Beryllium (Be)	Total	19136	ND	0.2	0.5	µg/L						0	30	PASS	
Beryllium (Be)	Dissolved	19136	ND	0.2	0.5	µg/L						0	30	PASS	
Cadmium (Cd)	Total	19136	ND	0.2	0.4	µg/L						0	30	PASS	
Cadmium (Cd)	Dissolved	19136	ND	0.2	0.4	µg/L						0	30	PASS	
Chromium (Cr)	Total	19136	0.3	0.1	0.5	µg/L						0	30	PASS	J
Chromium (Cr)	Dissolved	19136	0.2	0.1	0.5	µg/L						0	30	PASS	J
Cobalt (Co)	Total	19136	0.1	0.1	0.5	µg/L						0	30	PASS	J
Cobalt (Co)	Dissolved	19136	ND	0.1	0.5	µg/L						0	30	PASS	
Copper (Cu)	Total	19136	0.9	0.4	0.8	µg/L						0	30	PASS	
Copper (Cu)	Dissolved	19136	0.6	0.4	0.8	µg/L						18	30	PASS	J
Iron (Fe)	Total	19136	160	5	10	µg/L						2	30	PASS	
Iron (Fe)	Dissolved	19136	31	5	10	µg/L						6	30	PASS	
Lead (Pb)	Total	19136	1.05	0.05	0.1	µg/L						0	30	PASS	
Lead (Pb)	Dissolved	19136	0.21	0.05	0.1	µg/L						5	30	PASS	
Manganese (Mn)	Total	19136	36.7	0.2	0.5	µg/L						1	30	PASS	
Manganese (Mn)	Dissolved	19136	4.7	0.2	0.5	µg/L						2	30	PASS	
Molybdenum (Mo)	Total	19136	9.5	0.2	0.5	µg/L						0	30	PASS	
Molybdenum (Mo)	Dissolved	19136	9.5	0.2	0.5	µg/L						1	30	PASS	
Nickel (Ni)	Total	19136	3.5	0.2	0.5	µg/L						0	30	PASS	
Nickel (Ni)	Dissolved	19136	3.3	0.2	0.5	µg/L						3	30	PASS	
Selenium (Se)	Total	19136	0.4	0.2	0.5	µg/L						29	30	PASS	J
Selenium (Se)	Dissolved	19136	0.3	0.2	0.5	µg/L						0	30	PASS	J
Silver (Ag)	Total	19136	ND	0.5	1	µg/L						0	30	PASS	
Silver (Ag)	Dissolved	19136	ND	0.5	1	µg/L						0	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
Strontium (Sr)	Total	19136	839.4	0.1	0.5	µg/L						0	30	PASS	
Strontium (Sr)	Dissolved	19136	810	0.1	0.5	µg/L						0	30	PASS	
Thallium (Tl)	Total	19136	ND	0.1	0.5	µg/L						0	30	PASS	
Thallium (Tl)	Dissolved	19136	ND	0.1	0.5	µg/L						0	30	PASS	
Tin (Sn)	Total	19136	ND	0.1	0.5	µg/L						0	30	PASS	
Tin (Sn)	Dissolved	19136	ND	0.1	0.5	µg/L						0	30	PASS	
Titanium (Ti)	Total	19136	3.1	0.2	0.5	µg/L						15	30	PASS	
Titanium (Ti)	Dissolved	19136	0.2	0.2	0.5	µg/L						0	30	PASS	J
Vanadium (V)	Total	19136	1.2	0.2	0.5	µg/L						9	30	PASS	
Vanadium (V)	Dissolved	19136	0.9	0.2	0.5	µg/L						0	30	PASS	
Zinc (Zn)	Total	19136	3.8	0.1	0.5	µg/L						5	30	PASS	
Zinc (Zn)	Dissolved	19136	2.5	0.1	0.5	µg/L						8	30	PASS	

QAQC Procedural Blank

Prepared 10/25/2008

Analyzed 27-Oct-08

Lab Blank	75729-B1	DI Water													
Aluminum (Al)	Total	19136	ND	5	10	µg/L									
Aluminum (Al)	Dissolved	19136	ND	5	10	µg/L									
Antimony (Sb)	Total	19136	ND	0.1	0.5	µg/L									
Antimony (Sb)	Dissolved	19136	ND	0.1	0.5	µg/L									
Arsenic (As)	Total	19136	ND	0.2	0.5	µg/L									
Arsenic (As)	Dissolved	19136	ND	0.2	0.5	µg/L									
Barium (Ba)	Total	19136	ND	0.2	0.5	µg/L									
Barium (Ba)	Dissolved	19136	ND	0.2	0.5	µg/L									
Beryllium (Be)	Total	19136	ND	0.2	0.5	µg/L									
Beryllium (Be)	Dissolved	19136	ND	0.2	0.5	µg/L									
Cadmium (Cd)	Total	19136	ND	0.2	0.4	µg/L									
Cadmium (Cd)	Dissolved	19136	ND	0.2	0.4	µg/L									
Chromium (Cr)	Total	19136	ND	0.1	0.5	µg/L									

HTB001 Compton Creek Watershed

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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
Chromium (Cr)	Dissolved	19136	ND	0.1	0.5	µg/L									
Cobalt (Co)	Total	19136	ND	0.1	0.5	µg/L									
Cobalt (Co)	Dissolved	19136	ND	0.1	0.5	µg/L									
Copper (Cu)	Total	19136	ND	0.4	0.8	µg/L									
Copper (Cu)	Dissolved	19136	ND	0.4	0.8	µg/L									
Iron (Fe)	Total	19136	ND	5	10	µg/L									
Iron (Fe)	Dissolved	19136	ND	5	10	µg/L									
Lead (Pb)	Total	19136	ND	0.05	0.1	µg/L									
Lead (Pb)	Dissolved	19136	ND	0.05	0.1	µg/L									
Manganese (Mn)	Total	19136	ND	0.2	0.5	µg/L									
Manganese (Mn)	Dissolved	19136	ND	0.2	0.5	µg/L									
Molybdenum (Mo)	Total	19136	ND	0.2	0.5	µg/L									
Molybdenum (Mo)	Dissolved	19136	ND	0.2	0.5	µg/L									
Nickel (Ni)	Total	19136	ND	0.2	0.5	µg/L									
Nickel (Ni)	Dissolved	19136	ND	0.2	0.5	µg/L									
Selenium (Se)	Total	19136	ND	0.2	0.5	µg/L									
Selenium (Se)	Dissolved	19136	ND	0.2	0.5	µg/L									
Silver (Ag)	Total	19136	ND	0.5	1	µg/L									
Silver (Ag)	Dissolved	19136	ND	0.5	1	µg/L									
Strontium (Sr)	Total	19136	ND	0.1	0.5	µg/L									
Strontium (Sr)	Dissolved	19136	ND	0.1	0.5	µg/L									
Thallium (Tl)	Total	19136	ND	0.1	0.5	µg/L									
Thallium (Tl)	Dissolved	19136	ND	0.1	0.5	µg/L									
Tin (Sn)	Total	19136	ND	0.1	0.5	µg/L									
Tin (Sn)	Dissolved	19136	ND	0.1	0.5	µg/L									
Titanium (Ti)	Total	19136	ND	0.2	0.5	µg/L									
Titanium (Ti)	Dissolved	19136	ND	0.2	0.5	µg/L									
Vanadium (V)	Total	19136	ND	0.2	0.5	µg/L									

HTB001 Compton Creek Watershed

CRG Marine Laboratories, Inc.

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

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
Vanadium (V)	Dissolved	19136	ND	0.2	0.5	µg/L									
Zinc (Zn)	Total	19136	ND	0.1	0.5	µg/L									
Zinc (Zn)	Dissolved	19136	ND	0.1	0.5	µg/L									

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

RID: 08-1346

Client Name		Heal the Bay				REQUESTED ANALYSIS													
Address		1444 9th St., Santa Monica, CA, 90401				Metals (total and Dissolved)	Hardness	pH	TSS	Ammonia	PAH								
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														
75730 1	W1	10/15/2008	8:10	FW	4		x	x	x	x	x								
75731 2	W2	10/15/2008	8:40	FW	4		x	x	x	x	x								
75732 3	W3	10/15/2008	9:00	FW	4		x	x	x	x	x								
75733 4	W4	10/15/2008	11:40	FW	6		x	x	x	x	x	x							
75734 5	W5	10/15/2008	12:16	FW	6		x	x	x	x	x	x							
75706 6	W6	10/15/2008	12:06	FW	6		x	x	x	x	x	x							
7																			
8																			
9																			
10																			
Correct Containers:		Yes	No			RELINQUISHED BY													
Sample Temperature:		Ambient	Cold	Warm															
Sample Preservative:		Yes	No																
Turnaround Time:		STD	Specify:																
Report Format:		pdf	EDD	hardcopy															
Comments:						Signature: <i>James Alamillo</i>													
						Print: James Alamillo													
						Company: Heal the Bay													
						DATE: 10-15-08 TIME:													
						RECEIVED BY													
						Signature: <i>Kevin DiLandro</i>													
						Print: Kevin DiLandro													
						Company: CRG													
						DATE: 10/15/08 TIME: 13:40													

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

CRG PID
HTB001

CRG RID
08-1346

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 ☐ SOLID ☐ OTHER _____
☐ NOT INCLUDED ☐ NOT SIGNED

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