



CRG

**Marine
Laboratories, Inc.**

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

February 08, 2010

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

Re: CRG Marine Laboratories
Heal the Bay

Project ID: HTB001-10
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 1/7/2010. Per your instructions, the samples were analyzed for:

- Trace Metals By ICPMS Using Method EPA 6020m
- 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,
Karen Tuttle

Reviewed and Approved _____

Project Sample List

Heal the Bay

CRG Project ID: **HTB001-10**

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>
92723	S1		12-Oct-09	Sediment
92724	S5a		12-Oct-09	Sediment
92725	S7		12-Oct-09	Sediment
92726	S0		03-Dec-09	Sediment
92727	S1		03-Dec-09	Sediment
92728	S5		03-Dec-09	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.
Q7	Toxaphene results are based on a commercial Toxaphene mixture of unknown composition and therefore the concentrations listed in this report are estimated.
Q8	The result for the constituent is similar to what is seen with inadvertent sample contamination in the lab during preparation. Unfortunately, either the holding time has expired and/or there was no more sample to re-extract.
Q9	The recovery of the BS1 and/or BS2 compound was below the method control limits. Results for this compound may be biased low.

Qualifier Summary for HTB001-10

Polynuclear Aromatic Hydrocarbons

<i>Sample ID</i>	<i>Client Sample ID</i>	<i>Qualifier</i>	<i>Parameter</i>
92723-R1	S1	J	1-Methylnaphthalene
92724-R1	S5a	J	1-Methylnaphthalene
92725-R1	S7	J	1-Methylnaphthalene
92726-R1	S0	J	1-Methylnaphthalene
92727-R1	S1	J	1-Methylnaphthalene
92728-R1	S5	J	1-Methylnaphthalene
92728-R2	S5	J	1-Methylnaphthalene
92725-R1	S7	J	1-Methylphenanthrene
92727-R1	S1	J	1-Methylphenanthrene
92728-MS1	S5	M4	1-Methylphenanthrene
92728-MS2	S5	M2	1-Methylphenanthrene
92728-R2	S5	Q3	1-Methylphenanthrene
92723-R1	S1	J	2,3,5-Trimethylnaphthalene
92724-R1	S5a	J	2,3,5-Trimethylnaphthalene
92725-R1	S7	J	2,3,5-Trimethylnaphthalene
92726-R1	S0	J	2,3,5-Trimethylnaphthalene
92727-R1	S1	J	2,3,5-Trimethylnaphthalene
92728-R1	S5	J	2,3,5-Trimethylnaphthalene
92728-R2	S5	J	2,3,5-Trimethylnaphthalene
92723-R1	S1	J	2,6-Dimethylnaphthalene
92724-R1	S5a	J	2,6-Dimethylnaphthalene
92725-R1	S7	J	2,6-Dimethylnaphthalene
92727-R1	S1	J	2,6-Dimethylnaphthalene
92728-R1	S5	J	2,6-Dimethylnaphthalene
92728-R2	S5	Q3	2,6-Dimethylnaphthalene
92723-R1	S1	J	2-Methylnaphthalene
92724-R1	S5a	J	2-Methylnaphthalene
92725-R1	S7	J	2-Methylnaphthalene
92727-R1	S1	J	2-Methylnaphthalene
92728-R1	S5	J	2-Methylnaphthalene
92728-R2	S5	J	2-Methylnaphthalene
92723-R1	S1	J	Acenaphthene
92724-R1	S5a	J	Acenaphthene
92725-R1	S7	J	Acenaphthene
92727-R1	S1	J	Acenaphthene
92728-MS2	S5	M2	Acenaphthene

Qualifier Summary for HTB001-10

Polynuclear Aromatic Hydrocarbons

<i>Sample ID</i>	<i>Client Sample ID</i>	<i>Qualifier</i>	<i>Parameter</i>
92728-R1	S5	J	Acenaphthene
92728-R2	S5	J	Acenaphthene
92724-R1	S5a	J	Acenaphthylene
92725-R1	S7	J	Acenaphthylene
92726-R1	S0	J	Acenaphthylene
92728-R1	S5	J	Acenaphthylene
92728-R2	S5	J	Acenaphthylene
92727-R1	S1	J	Anthracene
92728-MS1	S5	M4	Anthracene
92728-MS2	S5	M2	Anthracene
92728-MS1	S5	Q1	Benz[a]anthracene
92728-MS2	S5	M2	Benz[a]anthracene
92728-R2	S5	Q2	Benz[a]anthracene
92728-MS1	S5	M4	Benzo[a]pyrene
92728-MS2	S5	M2	Benzo[a]pyrene
92728-R2	S5	Q2	Benzo[a]pyrene
92728-MS1	S5	Q1	Benzo[b]fluoranthene
92728-MS2	S5	M2	Benzo[b]fluoranthene
92728-R2	S5	Q2	Benzo[b]fluoranthene
92728-MS1	S5	Q1	Benzo[e]pyrene
92728-MS2	S5	M2	Benzo[e]pyrene
92728-R2	S5	Q2	Benzo[e]pyrene
92728-MS1	S5	Q1	Benzo[g,h,i]perylene
92728-MS2	S5	M2	Benzo[g,h,i]perylene
92727-R1	S1	J	Benzo[k]fluoranthene
92728-MS1	S5	M4	Benzo[k]fluoranthene
92728-MS2	S5	M2	Benzo[k]fluoranthene
92723-R1	S1	J	Biphenyl
92724-R1	S5a	J	Biphenyl
92725-R1	S7	J	Biphenyl
92726-R1	S0	J	Biphenyl
92728-R1	S5	J	Biphenyl
92728-R2	S5	J	Biphenyl
92728-MS1	S5	Q1	Chrysene
92728-MS2	S5	Q1	Chrysene
92728-R2	S5	Q2	Chrysene

Qualifier Summary for HTB001-10

Polynuclear Aromatic Hydrocarbons

<i>Sample ID</i>	<i>Client Sample ID</i>	<i>Qualifier</i>	<i>Parameter</i>
92727-R1	S1	J	Dibenz[a,h]anthracene
92728-MS2	S5	M2	Dibenz[a,h]anthracene
92728-R2	S5	Q3	Dibenz[a,h]anthracene
92724-R1	S5a	J	Dibenzothiophene
92725-R1	S7	J	Dibenzothiophene
92727-R1	S1	J	Dibenzothiophene
92728-MS1	S5	M4	Dibenzothiophene
92728-MS2	S5	M2	Dibenzothiophene
92728-R1	S5	J	Dibenzothiophene
92728-R2	S5	J	Dibenzothiophene
92728-MS1	S5	Q1	Fluoranthene
92728-MS2	S5	Q1	Fluoranthene
92728-R2	S5	Q2	Fluoranthene
92724-R1	S5a	J	Fluorene
92725-R1	S7	J	Fluorene
92727-R1	S1	J	Fluorene
92728-MS1	S5	M4	Fluorene
92728-MS2	S5	M2	Fluorene
92728-R1	S5	J	Fluorene
92728-R2	S5	J	Fluorene
92728-MS1	S5	M4	Indeno[1,2,3-c,d]pyrene
92728-MS2	S5	M2	Indeno[1,2,3-c,d]pyrene
92723-R1	S1	J	Naphthalene
92724-R1	S5a	J	Naphthalene
92725-R1	S7	J	Naphthalene
92727-R1	S1	J	Naphthalene
92728-MS1	S5	M4	Perylene
92728-MS2	S5	M2	Perylene
92728-MS1	S5	M4	Phenanthrene
92728-MS2	S5	M2	Phenanthrene
92728-MS1	S5	Q1	Pyrene
92728-MS2	S5	Q1	Pyrene
92728-R2	S5	Q2	Pyrene

Qualifier Summary for HTB001-10

Trace Metals

<i>Sample ID</i>	<i>Client Sample ID</i>	<i>Qualifier</i>	<i>Parameter</i>
92724-R2	S5a	Q2	Antimony (Sb)
92724-R2	S5a	Q2	Chromium (Cr)
92724-R2	S5a	Q2	Copper (Cu)
92724-R2	S5a	Q2	Lead (Pb)
92724-R2	S5a	Q2	Silver (Ag)
92728-R1	S5	J	Thallium (Tl)
92724-R2	S5a	Q2	Tin (Sn)

DATA REPORT

CRG Marine Laboratories, Inc.

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

Polynuclear Aromatic Hydrocarbons

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
92723-R1	S1				Sediment	Sampled: 12-Oct-09			Received: 07-Jan-10	
(d10-Acenaphthene)	NA	57			% Recovery	53117	1/13/2010	1/18/2010	EPA 8270Cm	
(d10-Phenanthrene)	NA	86			% Recovery	53117	1/13/2010	1/18/2010	EPA 8270Cm	
(d12-Chrysene)	NA	95			% Recovery	53117	1/13/2010	1/18/2010	EPA 8270Cm	
(d12-Perylene)	NA	74			% Recovery	53117	1/13/2010	1/18/2010	EPA 8270Cm	
(d8-Naphthalene)	NA	36			% Recovery	53117	1/13/2010	1/18/2010	EPA 8270Cm	
1-Methylnaphthalene	NA	1.1	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	J
1-Methylphenanthrene	NA	8.2	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
2,3,5-Trimethylnaphthalene	NA	1.6	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	J
2,6-Dimethylnaphthalene	NA	3.3	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	J
2-Methylnaphthalene	NA	1.9	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	J
Acenaphthene	NA	1.7	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	J
Acenaphthylene	NA	ND	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
Anthracene	NA	16.7	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
Benz[a]anthracene	NA	266.9	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
Benzo[a]pyrene	NA	174.9	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
Benzo[b]fluoranthene	NA	340.9	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
Benzo[e]pyrene	NA	159.9	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
Benzo[g,h,i]perylene	NA	176.1	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
Benzo[k]fluoranthene	NA	99	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
Biphenyl	NA	1	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	J
Chrysene	NA	176.4	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
Dibenz[a,h]anthracene	NA	29.4	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
Dibenzothiophene	NA	5.8	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
Fluoranthene	NA	450.7	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
Fluorene	NA	6	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
Indeno[1,2,3-c,d]pyrene	NA	114.7	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	

HTB001-10 Compton Creek Watershed

CRG Marine Laboratories, Inc.

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

Polynuclear Aromatic Hydrocarbons

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Naphthalene	NA	2.4	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	J
Perylene	NA	81.6	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
Phenanthrene	NA	102.6	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
Pyrene	NA	369.4	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	

92724-R1 **S5a** **Sediment** **Sampled: 12-Oct-09** **Received: 07-Jan-10**

(d10-Acenaphthene)	NA	53			% Recovery	53117	1/13/2010	1/18/2010	EPA 8270Cm	
(d10-Phenanthrene)	NA	84			% Recovery	53117	1/13/2010	1/18/2010	EPA 8270Cm	
(d12-Chrysene)	NA	91			% Recovery	53117	1/13/2010	1/18/2010	EPA 8270Cm	
(d12-Perylene)	NA	84			% Recovery	53117	1/13/2010	1/18/2010	EPA 8270Cm	
(d8-Naphthalene)	NA	34			% Recovery	53117	1/13/2010	1/18/2010	EPA 8270Cm	
1-Methylnaphthalene	NA	1.6	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	J
1-Methylphenanthrene	NA	ND	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
2,3,5-Trimethylnaphthalene	NA	1.7	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	J
2,6-Dimethylnaphthalene	NA	3.1	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	J
2-Methylnaphthalene	NA	3.4	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	J
Acenaphthene	NA	2.1	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	J
Acenaphthylene	NA	1.2	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	J
Anthracene	NA	9.1	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
Benz[a]anthracene	NA	62.7	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
Benzo[a]pyrene	NA	44.8	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
Benzo[b]fluoranthene	NA	106.1	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
Benzo[e]pyrene	NA	67.3	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
Benzo[g,h,i]perylene	NA	93.6	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
Benzo[k]fluoranthene	NA	29.8	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
Biphenyl	NA	2.6	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	J
Chrysene	NA	65.7	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
Dibenz[a,h]anthracene	NA	11.8	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	

HTB001-10 **Compton Creek Watershed**

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Polynuclear Aromatic Hydrocarbons

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Dibenzothiophene	NA	3.6	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	J
Fluoranthene	NA	125.7	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
Fluorene	NA	4.4	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	J
Indeno[1,2,3-c,d]pyrene	NA	38.2	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
Naphthalene	NA	4.5	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	J
Perylene	NA	26.1	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
Phenanthrene	NA	52.8	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
Pyrene	NA	116.1	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	

92725-R1	S7	Sediment			Sampled: 12-Oct-09			Received: 07-Jan-10		
(d10-Acenaphthene)	NA	54			% Recovery	53117	1/13/2010	1/18/2010	EPA 8270Cm	
(d10-Phenanthrene)	NA	85			% Recovery	53117	1/13/2010	1/18/2010	EPA 8270Cm	
(d12-Chrysene)	NA	87			% Recovery	53117	1/13/2010	1/18/2010	EPA 8270Cm	
(d12-Perylene)	NA	81			% Recovery	53117	1/13/2010	1/18/2010	EPA 8270Cm	
(d8-Naphthalene)	NA	34			% Recovery	53117	1/13/2010	1/18/2010	EPA 8270Cm	
1-Methylnaphthalene	NA	1.4	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	J
1-Methylphenanthrene	NA	2.8	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	J
2,3,5-Trimethylnaphthalene	NA	1.2	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	J
2,6-Dimethylnaphthalene	NA	1.2	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	J
2-Methylnaphthalene	NA	3.4	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	J
Acenaphthene	NA	1.5	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	J
Acenaphthylene	NA	1.1	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	J
Anthracene	NA	6.7	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
Benz[a]anthracene	NA	50	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
Benzo[a]pyrene	NA	21.3	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
Benzo[b]fluoranthene	NA	46.1	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
Benzo[e]pyrene	NA	32.1	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
Benzo[g,h,i]perylene	NA	39.6	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	

HTB001-10 Compton Creek Watershed

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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	13.3	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
Biphenyl	NA	1.3	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	J
Chrysene	NA	39.4	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
Dibenz[a,h]anthracene	NA	5.7	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
Dibenzothiophene	NA	3.1	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	J
Fluoranthene	NA	65.3	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
Fluorene	NA	2.6	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	J
Indeno[1,2,3-c,d]pyrene	NA	16.4	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
Naphthalene	NA	4.9	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	J
Perylene	NA	9.6	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
Phenanthrene	NA	18.6	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
Pyrene	NA	69.9	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	

92726-R1	S0	Sediment			Sampled: 03-Dec-09			Received: 07-Jan-10		
(d10-Acenaphthene)	NA	58			% Recovery	53117	1/13/2010	1/18/2010	EPA 8270Cm	
(d10-Phenanthrene)	NA	86			% Recovery	53117	1/13/2010	1/18/2010	EPA 8270Cm	
(d12-Chrysene)	NA	106			% Recovery	53117	1/13/2010	1/18/2010	EPA 8270Cm	
(d12-Perylene)	NA	74			% Recovery	53117	1/13/2010	1/18/2010	EPA 8270Cm	
(d8-Naphthalene)	NA	37			% Recovery	53117	1/13/2010	1/18/2010	EPA 8270Cm	
1-Methylnaphthalene	NA	3.7	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	J
1-Methylphenanthrene	NA	19.2	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
2,3,5-Trimethylnaphthalene	NA	3.4	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	J
2,6-Dimethylnaphthalene	NA	7.1	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
2-Methylnaphthalene	NA	6.8	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
Acenaphthene	NA	7.4	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
Acenaphthylene	NA	1.6	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	J
Anthracene	NA	75.5	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
Benz[a]anthracene	NA	441.4	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	

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Polynuclear Aromatic Hydrocarbons

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Benzo[a]pyrene	NA	255.7	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
Benzo[b]fluoranthene	NA	484.3	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
Benzo[e]pyrene	NA	216.7	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
Benzo[g,h,i]perylene	NA	224.4	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
Benzo[k]fluoranthene	NA	144.1	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
Biphenyl	NA	2.7	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	J
Chrysene	NA	267.3	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
Dibenz[a,h]anthracene	NA	45.6	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
Dibenzothiophene	NA	18.7	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
Fluoranthene	NA	890.8	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
Fluorene	NA	24.3	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
Indeno[1,2,3-c,d]pyrene	NA	154.4	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
Naphthalene	NA	6.4	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
Perylene	NA	97.5	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
Phenanthrene	NA	383.1	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
Pyrene	NA	650	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	

92727-R1	S1	Sediment			Sampled: 03-Dec-09			Received: 07-Jan-10		
(d10-Acenaphthene)	NA	61			% Recovery	53117	1/13/2010	1/18/2010	EPA 8270Cm	
(d10-Phenanthrene)	NA	92			% Recovery	53117	1/13/2010	1/18/2010	EPA 8270Cm	
(d12-Chrysene)	NA	102			% Recovery	53117	1/13/2010	1/18/2010	EPA 8270Cm	
(d12-Perylene)	NA	75			% Recovery	53117	1/13/2010	1/18/2010	EPA 8270Cm	
(d8-Naphthalene)	NA	41			% Recovery	53117	1/13/2010	1/18/2010	EPA 8270Cm	
1-Methylnaphthalene	NA	1.1	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	J
1-Methylphenanthrene	NA	4.8	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	J
2,3,5-Trimethylnaphthalene	NA	1.8	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	J
2,6-Dimethylnaphthalene	NA	1.6	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	J
2-Methylnaphthalene	NA	2	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	J

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Polynuclear Aromatic Hydrocarbons

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Acenaphthene	NA	1.2	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	J
Acenaphthylene	NA	ND	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
Anthracene	NA	4.6	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	J
Benz[a]anthracene	NA	16	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
Benzo[a]pyrene	NA	7.2	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
Benzo[b]fluoranthene	NA	22.5	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
Benzo[e]pyrene	NA	20.9	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
Benzo[g,h,i]perylene	NA	18.4	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
Benzo[k]fluoranthene	NA	4.2	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	J
Biphenyl	NA	ND	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
Chrysene	NA	16.1	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
Dibenz[a,h]anthracene	NA	3.5	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	J
Dibenzothiophene	NA	3.9	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	J
Fluoranthene	NA	43.5	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
Fluorene	NA	3	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	J
Indeno[1,2,3-c,d]pyrene	NA	6.2	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
Naphthalene	NA	1.6	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	J
Perylene	NA	20.1	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
Phenanthrene	NA	10.8	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
Pyrene	NA	48.7	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	

92728-R1	S5	Sediment			Sampled: 03-Dec-09			Received: 07-Jan-10		
(d10-Acenaphthene)	NA	59			% Recovery	53117	1/13/2010	1/18/2010	EPA 8270Cm	
(d10-Phenanthrene)	NA	88			% Recovery	53117	1/13/2010	1/18/2010	EPA 8270Cm	
(d12-Chrysene)	NA	98			% Recovery	53117	1/13/2010	1/18/2010	EPA 8270Cm	
(d12-Perylene)	NA	69			% Recovery	53117	1/13/2010	1/18/2010	EPA 8270Cm	
(d8-Naphthalene)	NA	37			% Recovery	53117	1/13/2010	1/18/2010	EPA 8270Cm	
1-Methylnaphthalene	NA	2.4	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	J

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Polynuclear Aromatic Hydrocarbons

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
1-Methylphenanthrene	NA	17.7	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
2,3,5-Trimethylnaphthalene	NA	2.6	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	J
2,6-Dimethylnaphthalene	NA	4.1	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	J
2-Methylnaphthalene	NA	4	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	J
Acenaphthene	NA	1.4	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	J
Acenaphthylene	NA	1.8	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	J
Anthracene	NA	7.6	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
Benz[a]anthracene	NA	118.7	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
Benzo[a]pyrene	NA	58.6	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
Benzo[b]fluoranthene	NA	133.2	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
Benzo[e]pyrene	NA	106.9	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
Benzo[g,h,i]perylene	NA	71.9	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
Benzo[k]fluoranthene	NA	29	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
Biphenyl	NA	2.5	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	J
Chrysene	NA	136.7	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
Dibenz[a,h]anthracene	NA	20.8	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
Dibenzothiophene	NA	4.7	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	J
Fluoranthene	NA	256.2	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
Fluorene	NA	4.4	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	J
Indeno[1,2,3-c,d]pyrene	NA	25.6	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
Naphthalene	NA	7.4	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
Perylene	NA	46.3	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
Phenanthrene	NA	60.8	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	
Pyrene	NA	232.7	1	5	ng/dry g	53117	1/13/2010	1/18/2010	EPA 8270Cm	

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Trace Metals

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
92723-R1	S1				Sediment	Sampled: 12-Oct-09			Received: 07-Jan-10	
Aluminum (Al)	NA	2297	20	100	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Antimony (Sb)	NA	0.865	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Arsenic (As)	NA	1.56	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Barium (Ba)	NA	63.07	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Beryllium (Be)	NA	0.078	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Cadmium (Cd)	NA	0.701	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Chromium (Cr)	NA	23.81	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Cobalt (Co)	NA	2.205	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Copper (Cu)	NA	31.55	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Iron (Fe)	NA	6927	20	100	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Lead (Pb)	NA	54.83	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Manganese (Mn)	NA	79.08	0.5	1	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Molybdenum (Mo)	NA	1.41	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Nickel (Ni)	NA	9.8	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Selenium (Se)	NA	0.166	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Silver (Ag)	NA	0.319	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Strontium (Sr)	NA	35.73	0.5	1	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Thallium (Tl)	NA	ND	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Tin (Sn)	NA	2.111	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Titanium (Ti)	NA	159.5	0.5	1	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Vanadium (V)	NA	7.691	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Zinc (Zn)	NA	253.3	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
92724-R1	S5a				Sediment	Sampled: 12-Oct-09			Received: 07-Jan-10	
Aluminum (Al)	NA	5658	20	100	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Antimony (Sb)	NA	1.702	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	

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Trace Metals

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Arsenic (As)	NA	2.658	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Barium (Ba)	NA	109	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Beryllium (Be)	NA	0.208	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Cadmium (Cd)	NA	0.866	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Chromium (Cr)	NA	15.33	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Cobalt (Co)	NA	4.932	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Copper (Cu)	NA	35.07	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Iron (Fe)	NA	10950	20	100	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Lead (Pb)	NA	106.3	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Manganese (Mn)	NA	127.8	0.5	1	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Molybdenum (Mo)	NA	1.435	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Nickel (Ni)	NA	13.36	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Selenium (Se)	NA	0.133	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Silver (Ag)	NA	0.387	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Strontium (Sr)	NA	55.15	0.5	1	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Thallium (Tl)	NA	0.063	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Tin (Sn)	NA	4.419	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Titanium (Ti)	NA	429.9	0.5	1	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Vanadium (V)	NA	20.91	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Zinc (Zn)	NA	277	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	

92725-R1

S7

Sediment

Sampled: 12-Oct-09

Received: 07-Jan-10

Aluminum (Al)	NA	7616	20	100	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Antimony (Sb)	NA	0.548	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Arsenic (As)	NA	3.502	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Barium (Ba)	NA	111.8	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Beryllium (Be)	NA	0.066	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Cadmium (Cd)	NA	3.454	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	

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Trace Metals

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Chromium (Cr)	NA	12.64	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Cobalt (Co)	NA	3.313	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Copper (Cu)	NA	23.45	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Iron (Fe)	NA	14300	20	100	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Lead (Pb)	NA	93.44	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Manganese (Mn)	NA	174.6	0.5	1	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Molybdenum (Mo)	NA	0.56	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Nickel (Ni)	NA	35.03	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Selenium (Se)	NA	0.073	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Silver (Ag)	NA	0.496	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Strontium (Sr)	NA	50.46	0.5	1	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Thallium (Tl)	NA	ND	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Tin (Sn)	NA	1.579	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Titanium (Ti)	NA	670	0.5	1	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Vanadium (V)	NA	8.459	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Zinc (Zn)	NA	1050	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	

92726-R1 **S0** **Sediment** **Sampled: 03-Dec-09** **Received: 07-Jan-10**

Aluminum (Al)	NA	2035	20	100	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Antimony (Sb)	NA	2.567	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Arsenic (As)	NA	2.909	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Barium (Ba)	NA	144.8	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Beryllium (Be)	NA	0.308	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Cadmium (Cd)	NA	0.772	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Chromium (Cr)	NA	22.22	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Cobalt (Co)	NA	8.142	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Copper (Cu)	NA	31.83	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Iron (Fe)	NA	5412	20	100	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	

HTB001-10 **Compton Creek Watershed**

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Trace Metals

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Lead (Pb)	NA	112	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Manganese (Mn)	NA	315.5	0.5	1	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Molybdenum (Mo)	NA	2.029	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Nickel (Ni)	NA	16.8	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Selenium (Se)	NA	0.221	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Silver (Ag)	NA	0.679	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Strontium (Sr)	NA	280.2	0.5	1	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Thallium (Tl)	NA	0.112	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Tin (Sn)	NA	5.205	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Titanium (Ti)	NA	126.4	0.5	1	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Vanadium (V)	NA	32.96	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Zinc (Zn)	NA	187.8	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	

92727-R1 **S1** **Sediment** **Sampled: 03-Dec-09** **Received: 07-Jan-10**

Aluminum (Al)	NA	2922	20	100	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m
Antimony (Sb)	NA	0.885	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m
Arsenic (As)	NA	1.534	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m
Barium (Ba)	NA	88.93	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m
Beryllium (Be)	NA	0.053	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m
Cadmium (Cd)	NA	0.599	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m
Chromium (Cr)	NA	24.3	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m
Cobalt (Co)	NA	2.831	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m
Copper (Cu)	NA	112.2	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m
Iron (Fe)	NA	6541	20	100	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m
Lead (Pb)	NA	119.6	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m
Manganese (Mn)	NA	76.53	0.5	1	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m
Molybdenum (Mo)	NA	1.591	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m
Nickel (Ni)	NA	16.73	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m

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Trace Metals

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Selenium (Se)	NA	0.151	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Silver (Ag)	NA	0.437	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Strontium (Sr)	NA	50.22	0.5	1	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Thallium (Tl)	NA	ND	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Tin (Sn)	NA	5.242	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Titanium (Ti)	NA	135.6	0.5	1	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Vanadium (V)	NA	7.617	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Zinc (Zn)	NA	176.5	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	

92728-R1 **S5** **Sediment** **Sampled: 03-Dec-09** **Received: 07-Jan-10**

Aluminum (Al)	NA	2976	20	100	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Antimony (Sb)	NA	1.155	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Arsenic (As)	NA	1.729	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Barium (Ba)	NA	114.9	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Beryllium (Be)	NA	0.099	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Cadmium (Cd)	NA	0.641	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Chromium (Cr)	NA	23.47	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Cobalt (Co)	NA	2.898	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Copper (Cu)	NA	77	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Iron (Fe)	NA	8807	20	100	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Lead (Pb)	NA	37.86	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Manganese (Mn)	NA	127.9	0.5	1	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Molybdenum (Mo)	NA	2.317	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Nickel (Ni)	NA	13.33	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Selenium (Se)	NA	0.217	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Silver (Ag)	NA	2.151	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Strontium (Sr)	NA	104.6	0.5	1	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Thallium (Tl)	NA	0.036	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	J

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Trace Metals

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Tin (Sn)	NA	4.015	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Titanium (Ti)	NA	268.8	0.5	1	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Vanadium (V)	NA	11.57	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	
Zinc (Zn)	NA	262.2	0.025	0.05	µg/dry g	22102	1/12/2010	1/14/2010	EPA 6020m	

QUALITY CONTROL REPORT

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
Lab Blank			QAQC Procedural Blank			Prepared 1/13/2010			Analyzed 18-Jan-10						
92722-B1			DI Water												
(d10-Acenaphthene)	NA	53117	76			% Recovery	100		76	5 - 105%	PASS				
(d10-Phenanthrene)	NA	53117	79			% Recovery	100		79	0 - 137%	PASS				
(d12-Chrysene)	NA	53117	99			% Recovery	100		99	0 - 153%	PASS				
(d12-Perylene)	NA	53117	86			% Recovery	100		86	0 - 183%	PASS				
(d8-Naphthalene)	NA	53117	65			% Recovery	100		65	2 - 121%	PASS				
1-Methylnaphthalene	NA	53117	ND	1	5	ng/dry g									
1-Methylphenanthrene	NA	53117	ND	1	5	ng/dry g									
2,3,5-Trimethylnaphthalene	NA	53117	ND	1	5	ng/dry g									
2,6-Dimethylnaphthalene	NA	53117	ND	1	5	ng/dry g									
2-Methylnaphthalene	NA	53117	ND	1	5	ng/dry g									
Acenaphthene	NA	53117	ND	1	5	ng/dry g									
Acenaphthylene	NA	53117	ND	1	5	ng/dry g									
Anthracene	NA	53117	ND	1	5	ng/dry g									
Benz[a]anthracene	NA	53117	ND	1	5	ng/dry g									
Benzo[a]pyrene	NA	53117	ND	1	5	ng/dry g									
Benzo[b]fluoranthene	NA	53117	ND	1	5	ng/dry g									
Benzo[e]pyrene	NA	53117	ND	1	5	ng/dry g									
Benzo[g,h,i]perylene	NA	53117	ND	1	5	ng/dry g									
Benzo[k]fluoranthene	NA	53117	ND	1	5	ng/dry g									
Biphenyl	NA	53117	ND	1	5	ng/dry g									
Chrysene	NA	53117	ND	1	5	ng/dry g									
Dibenz[a,h]anthracene	NA	53117	ND	1	5	ng/dry g									
Dibenzothiophene	NA	53117	ND	1	5	ng/dry g									
Fluoranthene	NA	53117	ND	1	5	ng/dry g									
Fluorene	NA	53117	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	53117	ND	1	5	ng/dry g									
Naphthalene	NA	53117	ND	1	5	ng/dry g									
Perylene	NA	53117	ND	1	5	ng/dry g									
Phenanthrene	NA	53117	ND	1	5	ng/dry g									
Pyrene	NA	53117	ND	1	5	ng/dry g									

Blank Spike		92722-BS1		QAQC Procedural Blank			DI Water			Prepared 1/13/2010			Analyzed 18-Jan-10		
(d10-Acenaphthene)	NA	53117	71				% Recovery	100	0	71	5 - 105%	PASS			
(d10-Phenanthrene)	NA	53117	87				% Recovery	100	0	87	0 - 137%	PASS			
(d12-Chrysene)	NA	53117	89				% Recovery	100	0	89	0 - 153%	PASS			
(d12-Perylene)	NA	53117	84				% Recovery	100	0	84	0 - 183%	PASS			
(d8-Naphthalene)	NA	53117	62				% Recovery	100	0	62	2 - 121%	PASS			
1-Methylnaphthalene	NA	53117	48.6	1	5	ng/dry g		68.9	0	71	30 - 104%	PASS			
1-Methylphenanthrene	NA	53117	68	1	5	ng/dry g		68.9	0	99	51 - 122%	PASS			
2,3,5-Trimethylnaphthalene	NA	53117	54.1	1	5	ng/dry g		68.9	0	79	44 - 105%	PASS			
2,6-Dimethylnaphthalene	NA	53117	49.2	1	5	ng/dry g		68.9	0	71	36 - 104%	PASS			
2-Methylnaphthalene	NA	53117	46.8	1	5	ng/dry g		68.9	0	68	32 - 105%	PASS			
Acenaphthene	NA	53117	49.7	1	5	ng/dry g		68.9	0	72	35 - 111%	PASS			
Acenaphthylene	NA	53117	48.8	1	5	ng/dry g		68.9	0	71	34 - 107%	PASS			
Anthracene	NA	53117	57.4	1	5	ng/dry g		68.9	0	83	30 - 123%	PASS			
Benz[a]anthracene	NA	53117	90.7	1	5	ng/dry g		68.9	0	132	46 - 147%	PASS			
Benzo[a]pyrene	NA	53117	59.9	1	5	ng/dry g		68.9	0	87	42 - 156%	PASS			
Benzo[b]fluoranthene	NA	53117	70.3	1	5	ng/dry g		68.9	0	102	36 - 154%	PASS			
Benzo[e]pyrene	NA	53117	64.5	1	5	ng/dry g		68.9	0	94	31 - 151%	PASS			
Benzo[g,h,i]perylene	NA	53117	61.2	1	5	ng/dry g		68.9	0	89	44 - 157%	PASS			
Benzo[k]fluoranthene	NA	53117	63.9	1	5	ng/dry g		68.9	0	93	43 - 151%	PASS			
Biphenyl	NA	53117	50.3	1	5	ng/dry g		68.9	0	73	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	53117	89.8	1	5	ng/dry g	68.9	0	130	42 - 150%	PASS				
Dibenz[a,h]anthracene	NA	53117	53.3	1	5	ng/dry g	68.9	0	77	40 - 160%	PASS				
Dibenzothiophene	NA	53117	53.8	1	5	ng/dry g	68.9	0	78	54 - 114%	PASS				
Fluoranthene	NA	53117	74.4	1	5	ng/dry g	68.9	0	108	40 - 134%	PASS				
Fluorene	NA	53117	54.7	1	5	ng/dry g	68.9	0	79	44 - 109%	PASS				
Indeno[1,2,3-c,d]pyrene	NA	53117	53.8	1	5	ng/dry g	68.9	0	78	38 - 158%	PASS				
Naphthalene	NA	53117	45.1	1	5	ng/dry g	68.9	0	65	21 - 105%	PASS				
Perylene	NA	53117	57.3	1	5	ng/dry g	68.9	0	83	44 - 141%	PASS				
Phenanthrene	NA	53117	59.9	1	5	ng/dry g	68.9	0	87	32 - 123%	PASS				
Pyrene	NA	53117	76.2	1	5	ng/dry g	68.9	0	111	40 - 143%	PASS				

Blank Spike Dup 92722-BS2			QAQC Procedural Blank DI Water				Prepared 1/13/2010				Analyzed 18-Jan-10			
(d10-Acenaphthene)	NA	53117	74			% Recovery	100	0	74	5 - 105%	PASS	4	30	PASS
(d10-Phenanthrene)	NA	53117	89			% Recovery	100	0	89	0 - 137%	PASS	2	30	PASS
(d12-Chrysene)	NA	53117	91			% Recovery	100	0	91	0 - 153%	PASS	2	30	PASS
(d12-Perylene)	NA	53117	85			% Recovery	100	0	85	0 - 183%	PASS	1	30	PASS
(d8-Naphthalene)	NA	53117	63			% Recovery	100	0	63	2 - 121%	PASS	2	30	PASS
1-Methylnaphthalene	NA	53117	48.4	1	5	ng/dry g	68.9	0	70	30 - 104%	PASS	1	30	PASS
1-Methylphenanthrene	NA	53117	67	1	5	ng/dry g	68.9	0	97	51 - 122%	PASS	2	30	PASS
2,3,5-Trimethylnaphthalene	NA	53117	55.3	1	5	ng/dry g	68.9	0	80	44 - 105%	PASS	1	30	PASS
2,6-Dimethylnaphthalene	NA	53117	50	1	5	ng/dry g	68.9	0	73	36 - 104%	PASS	3	30	PASS
2-Methylnaphthalene	NA	53117	46.7	1	5	ng/dry g	68.9	0	68	32 - 105%	PASS	0	30	PASS
Acenaphthene	NA	53117	51.6	1	5	ng/dry g	68.9	0	75	35 - 111%	PASS	4	30	PASS
Acenaphthylene	NA	53117	50.8	1	5	ng/dry g	68.9	0	74	34 - 107%	PASS	4	30	PASS
Anthracene	NA	53117	62.6	1	5	ng/dry g	68.9	0	91	30 - 123%	PASS	9	30	PASS
Benz[a]anthracene	NA	53117	93.7	1	5	ng/dry g	68.9	0	136	46 - 147%	PASS	3	30	PASS
Benzo[a]pyrene	NA	53117	60	1	5	ng/dry g	68.9	0	87	42 - 156%	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
Benzo[b]fluoranthene	NA	53117	71.9	1	5	ng/dry g	68.9	0	104	36 - 154%	PASS	2	30	PASS	
Benzo[e]pyrene	NA	53117	65.3	1	5	ng/dry g	68.9	0	95	31 - 151%	PASS	1	30	PASS	
Benzo[g,h,i]perylene	NA	53117	56.7	1	5	ng/dry g	68.9	0	82	44 - 157%	PASS	8	30	PASS	
Benzo[k]fluoranthene	NA	53117	66.9	1	5	ng/dry g	68.9	0	97	43 - 151%	PASS	4	30	PASS	
Biphenyl	NA	53117	51.3	1	5	ng/dry g	68.9	0	74	36 - 102%	PASS	1	30	PASS	
Chrysene	NA	53117	91.2	1	5	ng/dry g	68.9	0	132	42 - 150%	PASS	2	30	PASS	
Dibenz[a,h]anthracene	NA	53117	52.3	1	5	ng/dry g	68.9	0	76	40 - 160%	PASS	1	30	PASS	
Dibenzothiophene	NA	53117	58.6	1	5	ng/dry g	68.9	0	85	54 - 114%	PASS	9	30	PASS	
Fluoranthene	NA	53117	75.2	1	5	ng/dry g	68.9	0	109	40 - 134%	PASS	1	30	PASS	
Fluorene	NA	53117	54	1	5	ng/dry g	68.9	0	78	44 - 109%	PASS	1	30	PASS	
Indeno[1,2,3-c,d]pyrene	NA	53117	57.9	1	5	ng/dry g	68.9	0	84	38 - 158%	PASS	7	30	PASS	
Naphthalene	NA	53117	43.6	1	5	ng/dry g	68.9	0	63	21 - 105%	PASS	3	30	PASS	
Perylene	NA	53117	64	1	5	ng/dry g	68.9	0	93	44 - 141%	PASS	11	30	PASS	
Phenanthrene	NA	53117	62.7	1	5	ng/dry g	68.9	0	91	32 - 123%	PASS	4	30	PASS	
Pyrene	NA	53117	77.2	1	5	ng/dry g	68.9	0	112	40 - 143%	PASS	1	30	PASS	

		S5					Prepared 1/13/2010			Analyzed 18-Jan-10	
Matrix Spike	92728-MS1	Sediment									
(d10-Acenaphthene)	NA	53117	56			% Recovery	100	0	56	5 - 105%	PASS
(d10-Phenanthrene)	NA	53117	86			% Recovery	100	0	86	0 - 137%	PASS
(d12-Chrysene)	NA	53117	114			% Recovery	100	0	114	0 - 153%	PASS
(d12-Perylene)	NA	53117	72			% Recovery	100	0	72	0 - 183%	PASS
(d8-Naphthalene)	NA	53117	38			% Recovery	100	0	38	2 - 121%	PASS
1-Methylnaphthalene	NA	53117	39.9	1	5	ng/dry g	73.1	2.2	52	30 - 104%	PASS
1-Methylphenanthrene	NA	53117	228.7	1	5	ng/dry g	73.1	13.2	295	51 - 122%	FAIL
2,3,5-Trimethylnaphthalene	NA	53117	53.4	1	5	ng/dry g	73.1	2.3	70	44 - 105%	PASS
2,6-Dimethylnaphthalene	NA	53117	52.7	1	5	ng/dry g	73.1	6.2	64	36 - 104%	PASS
2-Methylnaphthalene	NA	53117	42.7	1	5	ng/dry g	73.1	3.9	53	32 - 105%	PASS

HTB001-10 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
Acenaphthene	NA	53117	77.2	1	5	ng/dry g	73.1	1.5	104	35 - 111%	PASS				
Acenaphthylene	NA	53117	47.9	1	5	ng/dry g	73.1	1.6	63	34 - 107%	PASS				
Anthracene	NA	53117	179	1	5	ng/dry g	73.1	7.4	235	30 - 123%	FAIL				M4
Benz[a]anthracene	NA	53117	830.4	1	5	ng/dry g	73.1	90.8	1012	46 - 147%	FAIL				Q1
Benzo[a]pyrene	NA	53117	386.1	1	5	ng/dry g	73.1	50.2	460	42 - 156%	FAIL				M4
Benzo[b]fluoranthene	NA	53117	685.5	1	5	ng/dry g	73.1	114.9	781	36 - 154%	FAIL				Q1
Benzo[e]pyrene	NA	53117	479.2	1	5	ng/dry g	73.1	88.7	534	31 - 151%	FAIL				Q1
Benzo[g,h,i]perylene	NA	53117	256.5	1	5	ng/dry g	73.1	75.9	247	44 - 157%	FAIL				Q1
Benzo[k]fluoranthene	NA	53117	216.2	1	5	ng/dry g	73.1	26.2	260	43 - 151%	FAIL				M4
Biphenyl	NA	53117	44	1	5	ng/dry g	73.1	2.2	57	36 - 102%	PASS				
Chrysene	NA	53117	610.7	1	5	ng/dry g	73.1	100.1	698	42 - 150%	FAIL				Q1
Dibenz[a,h]anthracene	NA	53117	120	1	5	ng/dry g	73.1	15.1	144	40 - 160%	PASS				
Dibenzothiophene	NA	53117	103.3	1	5	ng/dry g	73.1	4.3	135	54 - 114%	FAIL				M4
Fluoranthene	NA	53117	2441.1	1	5	ng/dry g	73.1	193.7	3074	40 - 134%	FAIL				Q1
Fluorene	NA	53117	84.9	1	5	ng/dry g	73.1	4.6	110	44 - 109%	FAIL				M4
Indeno[1,2,3-c,d]pyrene	NA	53117	146.3	1	5	ng/dry g	73.1	26.2	164	38 - 158%	FAIL				M4
Naphthalene	NA	53117	37.3	1	5	ng/dry g	73.1	7.1	41	21 - 105%	PASS				
Perylene	NA	53117	171.8	1	5	ng/dry g	73.1	45.9	172	44 - 141%	FAIL				M4
Phenanthrene	NA	53117	1090.5	1	5	ng/dry g	73.1	60.5	1409	32 - 123%	FAIL				M4
Pyrene	NA	53117	1848.6	1	5	ng/dry g	73.1	177.6	2286	40 - 143%	FAIL				Q1

Matrix Spike Dup 92728-MS2			S5 Sediment			Prepared 1/13/2010				Analyzed 18-Jan-10				
(d10-Acenaphthene)	NA	53117	60			% Recovery	100	0	60	5 - 105%	PASS	7	30	PASS
(d10-Phenanthrene)	NA	53117	84			% Recovery	100	0	84	0 - 137%	PASS	2	30	PASS
(d12-Chrysene)	NA	53117	106			% Recovery	100	0	106	0 - 153%	PASS	7	30	PASS
(d12-Perylene)	NA	53117	78			% Recovery	100	0	78	0 - 183%	PASS	8	30	PASS
(d8-Naphthalene)	NA	53117	40			% Recovery	100	0	40	2 - 121%	PASS	5	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	53117	36.7	1	5	ng/dry g	72.7	2.2	47	30 - 104%	PASS	10	30	PASS	
1-Methylphenanthrene	NA	53117	68.2	1	5	ng/dry g	72.7	13.2	76	51 - 122%	PASS	118	30	FAIL	M2
2,3,5-Trimethylnaphthalene	NA	53117	52.8	1	5	ng/dry g	72.7	2.3	69	44 - 105%	PASS	1	30	PASS	
2,6-Dimethylnaphthalene	NA	53117	49.8	1	5	ng/dry g	72.7	6.2	60	36 - 104%	PASS	6	30	PASS	
2-Methylnaphthalene	NA	53117	40.5	1	5	ng/dry g	72.7	3.9	50	32 - 105%	PASS	6	30	PASS	
Acenaphthene	NA	53117	43.7	1	5	ng/dry g	72.7	1.5	58	35 - 111%	PASS	56	30	FAIL	M2
Acenaphthylene	NA	53117	48.1	1	5	ng/dry g	72.7	1.6	64	34 - 107%	PASS	2	30	PASS	
Anthracene	NA	53117	69.1	1	5	ng/dry g	72.7	7.4	85	30 - 123%	PASS	94	30	FAIL	M2
Benz[a]anthracene	NA	53117	157.8	1	5	ng/dry g	72.7	90.8	92	46 - 147%	PASS	167	30	FAIL	M2
Benzo[a]pyrene	NA	53117	115.5	1	5	ng/dry g	72.7	50.2	90	42 - 156%	PASS	134	30	FAIL	M2
Benzo[b]fluoranthene	NA	53117	217.4	1	5	ng/dry g	72.7	114.9	141	36 - 154%	PASS	139	30	FAIL	M2
Benzo[e]pyrene	NA	53117	152.4	1	5	ng/dry g	72.7	88.7	88	31 - 151%	PASS	143	30	FAIL	M2
Benzo[g,h,i]perylene	NA	53117	142.8	1	5	ng/dry g	72.7	75.9	92	44 - 157%	PASS	91	30	FAIL	M2
Benzo[k]fluoranthene	NA	53117	88.2	1	5	ng/dry g	72.7	26.2	85	43 - 151%	PASS	101	30	FAIL	M2
Biphenyl	NA	53117	43.6	1	5	ng/dry g	72.7	2.2	57	36 - 102%	PASS	0	30	PASS	
Chrysene	NA	53117	126.9	1	5	ng/dry g	72.7	100.1	37	42 - 150%	FAIL	180	30	FAIL	Q1
Dibenz[a,h]anthracene	NA	53117	77.8	1	5	ng/dry g	72.7	15.1	86	40 - 160%	PASS	50	30	FAIL	M2
Dibenzothiophene	NA	53117	62.7	1	5	ng/dry g	72.7	4.3	80	54 - 114%	PASS	51	30	FAIL	M2
Fluoranthene	NA	53117	180.5	1	5	ng/dry g	72.7	193.7	0	40 - 134%	FAIL	202	30	FAIL	Q1
Fluorene	NA	53117	55.5	1	5	ng/dry g	72.7	4.6	70	44 - 109%	PASS	44	30	FAIL	M2
Indeno[1,2,3-c,d]pyrene	NA	53117	85.5	1	5	ng/dry g	72.7	26.2	82	38 - 158%	PASS	68	30	FAIL	M2
Naphthalene	NA	53117	35	1	5	ng/dry g	72.7	7.1	38	21 - 105%	PASS	8	30	PASS	
Perylene	NA	53117	133.1	1	5	ng/dry g	72.7	45.9	120	44 - 141%	PASS	36	30	FAIL	M2
Phenanthrene	NA	53117	106.7	1	5	ng/dry g	72.7	60.5	64	32 - 123%	PASS	183	30	FAIL	M2
Pyrene	NA	53117	168.4	1	5	ng/dry g	72.7	177.6	0	40 - 143%	FAIL	202	30	FAIL	Q1

S5

Prepared 1/13/2010

Analyzed 18-Jan-10

Lab Dup

92728-R2

Sediment

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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	53117	59			% Recovery	100		59	5 - 105%	PASS	0	30	PASS	
(d10-Phenanthrene)	NA	53117	89			% Recovery	100		89	0 - 137%	PASS	1	30	PASS	
(d12-Chrysene)	NA	53117	101			% Recovery	100		101	0 - 153%	PASS	3	30	PASS	
(d12-Perylene)	NA	53117	79			% Recovery	100		79	0 - 183%	PASS	14	30	PASS	
(d8-Naphthalene)	NA	53117	39			% Recovery	100		39	2 - 121%	PASS	5	30	PASS	
1-Methylnaphthalene	NA	53117	2	1	5	ng/dry g						18	30	PASS	J
1-Methylphenanthrene	NA	53117	8.8	1	5	ng/dry g						67	30	FAIL	Q3
2,3,5-Trimethylnaphthalene	NA	53117	2.1	1	5	ng/dry g						21	30	PASS	J
2,6-Dimethylnaphthalene	NA	53117	8.4	1	5	ng/dry g						69	30	FAIL	Q3
2-Methylnaphthalene	NA	53117	3.8	1	5	ng/dry g						5	30	PASS	J
Acenaphthene	NA	53117	1.7	1	5	ng/dry g						19	30	PASS	J
Acenaphthylene	NA	53117	1.4	1	5	ng/dry g						25	30	PASS	J
Anthracene	NA	53117	7.3	1	5	ng/dry g						4	30	PASS	
Benz[a]anthracene	NA	53117	62.8	1	5	ng/dry g						62	30	FAIL	Q2
Benzo[a]pyrene	NA	53117	41.9	1	5	ng/dry g						33	30	FAIL	Q2
Benzo[b]fluoranthene	NA	53117	96.7	1	5	ng/dry g						32	30	FAIL	Q2
Benzo[e]pyrene	NA	53117	70.4	1	5	ng/dry g						41	30	FAIL	Q2
Benzo[g,h,i]perylene	NA	53117	79.9	1	5	ng/dry g						11	30	PASS	
Benzo[k]fluoranthene	NA	53117	23.4	1	5	ng/dry g						21	30	PASS	
Biphenyl	NA	53117	2	1	5	ng/dry g						22	30	PASS	J
Chrysene	NA	53117	63.4	1	5	ng/dry g						73	30	FAIL	Q2
Dibenz[a,h]anthracene	NA	53117	9.5	1	5	ng/dry g						75	30	FAIL	Q3
Dibenzothiophene	NA	53117	3.9	1	5	ng/dry g						19	30	PASS	J
Fluoranthene	NA	53117	131.2	1	5	ng/dry g						65	30	FAIL	Q2
Fluorene	NA	53117	4.8	1	5	ng/dry g						9	30	PASS	J
Indeno[1,2,3-c,d]pyrene	NA	53117	26.9	1	5	ng/dry g						5	30	PASS	
Naphthalene	NA	53117	6.7	1	5	ng/dry g						10	30	PASS	
Perylene	NA	53117	45.5	1	5	ng/dry g						2	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
Phenanthrene	NA	53117	60.2	1	5	ng/dry g						1	30	PASS	
Pyrene	NA	53117	122.5	1	5	ng/dry g						62	30	FAIL	Q2

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QUALITY CONTROL REPORT

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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)	NA	22102	2.16	0.025	0.05	µg/dry g	2	0	108	70 - 130%	PASS				
Arsenic (As)	NA	22102	15.75	0.025	0.05	µg/dry g	20	0	79	70 - 139%	PASS				
Barium (Ba)	NA	22102	22.08	0.025	0.05	µg/dry g	20	0	110	69 - 128%	PASS				
Beryllium (Be)	NA	22102	17.05	0.025	0.05	µg/dry g	20	0	85	39 - 132%	PASS				
Cadmium (Cd)	NA	22102	2.11	0.025	0.05	µg/dry g	2	0	105	70 - 130%	PASS				
Chromium (Cr)	NA	22102	16.6	0.025	0.05	µg/dry g	20	0	83	69 - 130%	PASS				
Cobalt (Co)	NA	22102	16.79	0.025	0.05	µg/dry g	20	0	84	79 - 127%	PASS				
Copper (Cu)	NA	22102	16.95	0.025	0.05	µg/dry g	20	0	85	76 - 125%	PASS				
Iron (Fe)	NA	22102	22	1	5	µg/dry g	20	0	110	74 - 125%	PASS				
Lead (Pb)	NA	22102	20.5	0.025	0.05	µg/dry g	20	0	102	78 - 130%	PASS				
Manganese (Mn)	NA	22102	16.17	0.025	0.05	µg/dry g	20	0	81	68 - 132%	PASS				
Molybdenum (Mo)	NA	22102	21.01	0.025	0.05	µg/dry g	20	0	105	70 - 130%	PASS				
Nickel (Ni)	NA	22102	16.74	0.025	0.05	µg/dry g	20	0	84	73 - 126%	PASS				
Selenium (Se)	NA	22102	16.98	0.025	0.05	µg/dry g	20	0	85	66 - 138%	PASS				
Silver (Ag)	NA	22102	2.09	0.025	0.05	µg/dry g	2	0	104	60 - 150%	PASS				
Strontium (Sr)	NA	22102	20.3	0.025	0.05	µg/dry g	20	0	101	74 - 135%	PASS				
Thallium (Tl)	NA	22102	20.05	0.025	0.05	µg/dry g	20	0	100	70 - 134%	PASS				
Tin (Sn)	NA	22102	22.33	0.025	0.05	µg/dry g	20	0	112	70 - 136%	PASS				
Titanium (Ti)	NA	22102	15.84	0.025	0.05	µg/dry g	20	0	79	66 - 132%	PASS				
Vanadium (V)	NA	22102	16.49	0.025	0.05	µg/dry g	20	0	82	67 - 133%	PASS				
Zinc (Zn)	NA	22102	16.08	0.025	0.05	µg/dry g	20	0	80	69 - 135%	PASS				

Blank Spike Dup 92722-BS2			QAQC Procedural Blank DI Water			Prepared 1/12/2010			Analyzed 14-Jan-10					
Aluminum (Al)	NA	22102	17	1	5	µg/dry g	20	0	85	66 - 135%	PASS	6	30	PASS
Antimony (Sb)	NA	22102	2.17	0.025	0.05	µg/dry g	2	0	109	70 - 130%	PASS	0	30	PASS
Arsenic (As)	NA	22102	15.69	0.025	0.05	µg/dry g	20	0	78	70 - 139%	PASS	1	30	PASS
Barium (Ba)	NA	22102	22.14	0.025	0.05	µg/dry g	20	0	111	69 - 128%	PASS	1	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
Beryllium (Be)	NA	22102	17.37	0.025	0.05	µg/dry g	20	0	87	39 - 132%	PASS	2	30	PASS	
Cadmium (Cd)	NA	22102	2.1	0.025	0.05	µg/dry g	2	0	105	70 - 130%	PASS	0	30	PASS	
Chromium (Cr)	NA	22102	16.5	0.025	0.05	µg/dry g	20	0	82	69 - 130%	PASS	1	30	PASS	
Cobalt (Co)	NA	22102	16.75	0.025	0.05	µg/dry g	20	0	84	79 - 127%	PASS	0	30	PASS	
Copper (Cu)	NA	22102	17.02	0.025	0.05	µg/dry g	20	0	85	76 - 125%	PASS	0	30	PASS	
Iron (Fe)	NA	22102	21	1	5	µg/dry g	20	0	105	74 - 125%	PASS	5	30	PASS	
Lead (Pb)	NA	22102	20.56	0.025	0.05	µg/dry g	20	0	103	78 - 130%	PASS	1	30	PASS	
Manganese (Mn)	NA	22102	16.03	0.025	0.05	µg/dry g	20	0	80	68 - 132%	PASS	1	30	PASS	
Molybdenum (Mo)	NA	22102	21.26	0.025	0.05	µg/dry g	20	0	106	70 - 130%	PASS	1	30	PASS	
Nickel (Ni)	NA	22102	16.7	0.025	0.05	µg/dry g	20	0	84	73 - 126%	PASS	1	30	PASS	
Selenium (Se)	NA	22102	18.24	0.025	0.05	µg/dry g	20	0	91	66 - 138%	PASS	7	30	PASS	
Silver (Ag)	NA	22102	2.19	0.025	0.05	µg/dry g	2	0	110	60 - 150%	PASS	5	30	PASS	
Strontium (Sr)	NA	22102	20.5	0.025	0.05	µg/dry g	20	0	102	74 - 135%	PASS	0	30	PASS	
Thallium (Tl)	NA	22102	20.03	0.025	0.05	µg/dry g	20	0	100	70 - 134%	PASS	0	30	PASS	
Tin (Sn)	NA	22102	22.58	0.025	0.05	µg/dry g	20	0	113	70 - 136%	PASS	1	30	PASS	
Titanium (Ti)	NA	22102	15.69	0.025	0.05	µg/dry g	20	0	78	66 - 132%	PASS	1	30	PASS	
Vanadium (V)	NA	22102	16.38	0.025	0.05	µg/dry g	20	0	82	67 - 133%	PASS	0	30	PASS	
Zinc (Zn)	NA	22102	16.05	0.025	0.05	µg/dry g	20	0	80	69 - 135%	PASS	0	30	PASS	

Lab Dup		92724-R2		S5a		Sediment		Prepared 1/12/2010		Analyzed 14-Jan-10					
Aluminum (Al)	NA	22102	5869	20	100	µg/dry g				4	30	PASS			
Antimony (Sb)	NA	22102	2.544	0.025	0.05	µg/dry g				40	30	FAIL	Q2		
Arsenic (As)	NA	22102	2.947	0.025	0.05	µg/dry g				10	30	PASS			
Barium (Ba)	NA	22102	106.5	0.025	0.05	µg/dry g				2	30	PASS			
Beryllium (Be)	NA	22102	0.244	0.025	0.05	µg/dry g				16	30	PASS			
Cadmium (Cd)	NA	22102	1.057	0.025	0.05	µg/dry g				20	30	PASS			
Chromium (Cr)	NA	22102	39.69	0.025	0.05	µg/dry g				89	30	FAIL	Q2		

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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
Cobalt (Co)	NA	22102	4.979	0.025	0.05	µg/dry g						1	30	PASS	
Copper (Cu)	NA	22102	73.75	0.025	0.05	µg/dry g						71	30	FAIL	Q2
Iron (Fe)	NA	22102	11430	20	100	µg/dry g						4	30	PASS	
Lead (Pb)	NA	22102	172.1	0.025	0.05	µg/dry g						47	30	FAIL	Q2
Manganese (Mn)	NA	22102	137.3	0.5	1	µg/dry g						7	30	PASS	
Molybdenum (Mo)	NA	22102	1.646	0.025	0.05	µg/dry g						14	30	PASS	
Nickel (Ni)	NA	22102	17.15	0.025	0.05	µg/dry g						25	30	PASS	
Selenium (Se)	NA	22102	0.149	0.025	0.05	µg/dry g						11	30	PASS	
Silver (Ag)	NA	22102	0.565	0.025	0.05	µg/dry g						37	30	FAIL	Q2
Strontium (Sr)	NA	22102	46.38	0.5	1	µg/dry g						17	30	PASS	
Thallium (Tl)	NA	22102	0.063	0.025	0.05	µg/dry g						0	30	PASS	
Tin (Sn)	NA	22102	10.31	0.025	0.05	µg/dry g						80	30	FAIL	Q2
Titanium (Ti)	NA	22102	457.9	0.5	1	µg/dry g						6	30	PASS	
Vanadium (V)	NA	22102	21.16	0.025	0.05	µg/dry g						1	30	PASS	
Zinc (Zn)	NA	22102	222	0.025	0.05	µg/dry g						22	30	PASS	

CRM		QAQC CRM (RTC016-050) Lot# BE016				Prepared 1/12/2010				Analyzed 14-Jan-10			
94363-CRM1		Sediment											
Aluminum (Al)	NA	22102	7416	20	100	µg/dry g	11940		62	1270 - 22610	PASS		
Arsenic (As)	NA	22102	6.362	0.025	0.05	µg/dry g	6.56		97	4.64 - 8.48	PASS		
Beryllium (Be)	NA	22102	0.491	0.025	0.05	µg/dry g	0.44		112	0.20 - 0.69	PASS		
Cadmium (Cd)	NA	22102	0.308	0.025	0.05	µg/dry g	0.34		91	0.04 - 0.63	PASS		
Chromium (Cr)	NA	22102	13.61	0.025	0.05	µg/dry g	18.8		72	6.19 - 31.4	PASS		
Cobalt (Co)	NA	22102	6.083	0.025	0.05	µg/dry g	6.16		99	4.72 - 7.60	PASS		
Copper (Cu)	NA	22102	14.34	0.025	0.05	µg/dry g	14.8		97	12.2 - 17.5	PASS		
Iron (Fe)	NA	22102	14940	20	100	µg/dry g	18540		81	13720 - 23360	PASS		
Lead (Pb)	NA	22102	15.54	0.025	0.05	µg/dry g	14.4		108	10.9 - 17.9	PASS		
Manganese (Mn)	NA	22102	159	0.5	1	µg/dry g	195		82	153 - 238	PASS		

HTB001-10 Compton Creek Watershed

CRG Marine Laboratories, Inc.

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

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
Nickel (Ni)	NA	22102	15.78	0.025	0.05	µg/dry g	16.7		94	12.4 - 21.1	PASS				
Tin (Sn)	NA	22102	0.871	0.025	0.05	µg/dry g	1		87	0.66 - 1.34	PASS				
Vanadium (V)	NA	22102	23.77	0.025	0.05	µg/dry g	31.9		75	6.9 - 56.9	PASS				
Zinc (Zn)	NA	22102	63.71	0.025	0.05	µg/dry g	63.5		100	50.3 - 76.6	PASS				

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

RD: 1468-09

Client Name Address		Heal the Bay 1444 9th St., Santa Monica, CA, 90401				REQUESTED ANALYSIS											
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		PAH	Metals										
				Quantity	Type												
927231 S1	10/12/2009		SED	4oz	clear glass	x	x										
927242 S5a	10/12/2009		SED	4oz	clear glass	x	x										
927253 S7	10/12/2009		SED	4oz	clear glass	x	x										
927267 S0	12/3/2009		SED	4oz	clear glass	x	x										
927278 S1	12/3/2009		SED	4oz	clear glass	x	x										
927289 S5	12/3/2009		SED	4oz	clear glass	x	x										
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: *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.																	
CRG Project ID: _____ (lab use only) CRG Sample ID: _____ (lab use only)																	
Signature:						James Alamillo											
Print:						James Alamillo											
Company:						Heal the Bay											
DATE:						01-07-10						TIME: 1:00 p					
RECEIVED BY																	
Signature:						Geoff Gossett											
Print:						Geoff Gossett											
Company:						CRG Marine											
DATE:						1-7-10						TIME: 1310					

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

Relinquish: Geoff Gossett 17.10
Geoff Gossett 13

SPR 01-07-10 1336

Karen Tuttle

From: James Alamillo [jalamillo@healthebay.org]
Sent: Friday, January 08, 2010 10:44 AM
To: ktuttle@crglabs.com
Subject: RE: **Heal the Bay 01-07-10 (RID 1468-09)

Okay. james

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

Tel: 310 451 1500 X115 | FAX: 310 496 1902 | jalamillo@healthebay.org

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From: Karen Tuttle [mailto:ktuttle@crglabs.com]
Sent: Thursday, January 07, 2010 3:46 PM
To: James Alamillo
Subject: FW: **Heal the Bay 01-07-10 (RID 1468-09)

James,

Per our phone conversation, you do not need Hg ran for these samples and we are to ignore the comment about the preliminary TOC testing. In addition, we will continue with the analysis for your S5 sample, as the breakage should have no effect on the results.

Thank you,

Karen Tuttle · Project Manager · CRG Marine Laboratories

Office: 310-533-5190 x136 · Cell: 310-930-9201 · Fax: 310-320-1276

Email Address: ktuttle@crglabs.com · projectmanagers@crglabs.com

From: Sheri Fama [mailto:sfama@crglabs.com]
Sent: Thursday, January 07, 2010 2:56 PM
To: allcocs@crglabs.com
Subject: **Heal the Bay 01-07-10 (RID 1468-09)

Please see clients comments on COC (for analyses)
Sampling times (per container label) noted on SRF.

S5 on 12-03-09, received broken, no sample lost or contamination

Sheri Fama
Sample Control Manager
CRG Marine Laboratories, Inc.
2020 Del Amo Blvd-Suite 200

CRG PID

CRG RID
 1468-09

SAMPLE RECEIPT FORM

CLIENT: Heal the Bay Date Received: 01.07.10 Total # of Samples: 6

COURIER INFORMATION

☐ CRG ☐ OTHER ☐ FEDEX ☐ UPS
☒ CLIENT tracking # _____

TEMPERATURE

10.0 °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: (Signature)

CONDITION OF SAMPLES UPON VERIFICATION

	Yes	No	NA
All sample containers received intact and in good condition.....	<input checked="" type="checkbox"/>	<input checked="" 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"/>

Samples verified by: (Signature)

NOTES

Sampling times (per container label)

S1 on 10.12.09 is 3:00pm
S5a on 10.12.09 is 3:35pm
S7 on 10.12.09 is 4:00pm

S0 on 12.03.09 is 1:45pm
S1 on 12.03.09 is 2:00pm
S5 on 12.03.09 is 2:30pm (Signature)

Received S5 broken - no sample lost or contamination (Signature)