

November 01, 2006

Michelle Anghera
Weston Solutions
2433 Impala Drive
Carlsbad, CA 92008-7227

Subject: **CalScience Work Order No.: 06-10-0601**
Client Reference: **POLB / POLA TMDL**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 10/11/2006 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard CalScience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

A handwritten signature in black ink, appearing to read 'R. Stearns'.

CalScience Environmental
Laboratories, Inc.
Robert Stearns
Project Manager



CASE NARRATIVE

Calscience Work Order No.: 06-10-0601

Provided below is a narrative of our analytical effort, including any unique features or anomalies encountered as part of the analysis of the seawater sample.

Sample Condition on Receipt

One seawater sample was received for this project on October 11, 2006. The sample was contained in assorted containers, appropriately preserved. The sample was transferred to the laboratory in an ice-chest with wet ice, following strict chain-of-custody (COC) procedures. The temperature of the sample upon receipt at the laboratory was 3.1°C.

The sample was logged into the Laboratory Information Management System (LIMS), given laboratory identification numbers, and stored in refrigeration units pending analysis.

Twelve other samples were also received with the subject sample. These samples belonged to another project, and were forwarded back to the client. No anomalies were identified upon sample receipt.

Data Summary

The sample was tested in accordance with the client's instructions. The following testing was performed in accordance with a pre-established analytical plan:

Oil and Grease by EPA 413.1
Total Organic Carbon by EPA 415.1
Dissolved Organic Carbon by EPA 415.1
DRO by EPA 8015B
GRO by EPA 8015B
Organochlorine Pesticides and PCBs by EPA 8081A/8082
Semi-volatile Organics (SVOCs) by EPA 8270C
Organotins by Krone et.al.
PCB Congeners by EPA 625
Metals by EPA 6020

Testing for metals and PCB Congeners was performed by CRG Marine Laboratories in Torrance, California. This report is attached.

Holding times

All holding time requirements were met.

Calibration

Frequency and control criteria for initial and continuing calibration verifications were met.

Blanks

Concentrations of target analytes in the method blanks were found to be below reporting limits for all testing.

Laboratory Control Samples

Laboratory Control Sample analyses were performed for each applicable method at the required frequencies. All parameters were within control limits for each method.

Matrix Spikes

Matrix spike analyses could not be performed at the normal frequencies due to insufficient sample volumes received. Matrix spikes were not performed for the following tests: DRO, SVOCs, Pesticides/PCBs, and Organotins. Note that matrix spikes were performed as part of this sample set on two project samples, the data for which is presented with the other data sets.

For the matrix spikes that were performed, the matrix spike recoveries and RPDs were all in control for each parameter, with the exception of GRO. In this case, the duplicate RPD fell outside of the established control limit. However, the corresponding LCS/LCSD and RPD was in control, suggesting a matrix interference effect, and the data is thus released with no further qualification..

Surrogates

Surrogate recoveries for all applicable tests were within acceptable control limits.

TOC vs. DOC

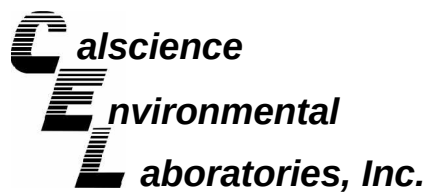
The concentration of DOC slightly exceeded the concentration of TOC in the sample. This anomaly may be attributable to the contribution of DOC from the filter used during filtration.

Acronyms

MS/MSD: Matrix Spike/Matrix Spike Duplicate

LCS/LCSD: Laboratory Control Sample/Laboratory Control Sample Duplicate

RPD: Relative Percent Difference



Analytical Report



Weston Solutions
2433 Impala Drive
Carlsbad, CA 92008-7227

Date Received: 10/11/06
Work Order No: 06-10-0601
Preparation: EPA 5030B
Method: EPA 8015B

Project: POLB / POLA TMDL

Page 1 of 1

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
LBI-4	06-10-0601-13	10/10/06	Aqueous	10/16/06	10/16/06	061016B01

Parameter	Result	RL	DF	Qual	Units
Gasoline Range Organics	ND	50	1		ug/L

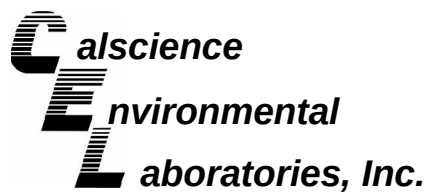
Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	100	38-134	

Method Blank	099-12-022-235	N/A	Aqueous	10/16/06	10/16/06	061016B01
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Parameter	Result	RL	DF	Qual	Units
Gasoline Range Organics	ND	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	99	38-134	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Weston Solutions
2433 Impala Drive
Carlsbad, CA 92008-7227

Date Received: 10/11/06
Work Order No: 06-10-0601
Preparation: EPA 3510C
Method: EPA 8015B

Project: POLB / POLA TMDL

Page 1 of 1

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
LB1-4	06-10-0601-13	10/10/06	Aqueous	10/13/06	10/14/06	061013B07

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
Diesel Range Organics	ND	50	1		ug/L

<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>
Decachlorobiphenyl	111	68-140	

Method Blank	099-12-211-16	N/A	Aqueous	10/13/06	10/13/06	061013B07
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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
Diesel Range Organics	ND	50	1		ug/L

<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>
Decachlorobiphenyl	116	68-140	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Analytical Report



Weston Solutions
2433 Impala Drive
Carlsbad, CA 92008-7227

Date Received: 10/11/06
Work Order No: 06-10-0601
Preparation: EPA 3510B
Method: EPA 8270C
Units: ug/L

Project: POLB / POLA TMDL

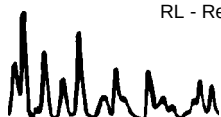
Page 1 of 2

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
LBI-4	06-10-0601-13	10/10/06	Aqueous	10/13/06	10/16/06	061013L02

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
N-Nitrosodimethylamine	ND	10	0.55	1		2,4-Dinitrotoluene	ND	5.0	0.50	1	
Phenol	ND	5.0	0.58	1		2,6-Dinitrotoluene	ND	5.0	0.56	1	
Bis(2-Chloroethyl) Ether	ND	10	0.51	1		Diethyl Phthalate	ND	5.0	0.70	1	
2-Chlorophenol	ND	5.0	0.50	1		4-Chlorophenyl-Phenyl Ether	ND	5.0	0.61	1	
1,3-Dichlorobenzene	ND	5.0	0.58	1		Fluorene	ND	5.0	0.69	1	
1,4-Dichlorobenzene	ND	5.0	0.57	1		4,6-Dinitro-2-Methylphenol	ND	25	1.7	1	
1,2-Dichlorobenzene	ND	5.0	0.56	1		N-Nitrosodiphenylamine	ND	5.0	0.68	1	
Bis(2-Chloroisopropyl) Ether	ND	5.0	0.76	1		4-Bromophenyl-Phenyl Ether	ND	5.0	0.61	1	
N-Nitroso-di-n-propylamine	ND	5.0	0.65	1		Hexachlorobenzene	ND	5.0	0.61	1	
Hexachloroethane	ND	5.0	0.49	1		Pentachlorophenol	ND	5.0	0.37	1	
Nitrobenzene	ND	25	0.67	1		Phenanthrene	ND	5.0	0.75	1	
Isophorone	ND	5.0	0.62	1		Anthracene	ND	5.0	0.75	1	
2-Nitrophenol	ND	10	0.59	1		Di-n-Butyl Phthalate	ND	5.0	0.73	1	
2,4-Dimethylphenol	ND	5.0	0.60	1		Fluoranthene	ND	5.0	0.76	1	
Bis(2-Chloroethoxy) Methane	ND	10	0.58	1		Benidine	ND	50	0.31	1	
2,4-Dichlorophenol	ND	5.0	0.53	1		Pyrene	ND	5.0	0.68	1	
1,2,4-Trichlorobenzene	ND	5.0	0.65	1		Butyl Benzyl Phthalate	ND	5.0	0.52	1	
1,2-Diphenylhydrazine	ND	2.0	0.19	1		3,3'-Dichlorobenzidine	ND	5.0	0.63	1	
Naphthalene	ND	5.0	0.72	1		Benzo (a) Anthracene	ND	5.0	0.56	1	
Hexachloro-1,3-Butadiene	ND	5.0	0.59	1		Bis(2-Ethylhexyl) Phthalate	ND	5.0	0.51	1	
4-Chloro-3-Methylphenol	ND	5.0	0.58	1		Chrysene	ND	5.0	0.64	1	
Hexachlorocyclopentadiene	ND	15	0.22	1		Di-n-Octyl Phthalate	ND	5.0	0.50	1	
2,4,6-Trichlorophenol	ND	5.0	0.61	1		Benzo (k) Fluoranthene	ND	5.0	0.85	1	
2-Chloronaphthalene	ND	5.0	0.65	1		Benzo (b) Fluoranthene	ND	5.0	0.62	1	
Dimethyl Phthalate	ND	5.0	0.65	1		Benzo (a) Pyrene	ND	5.0	0.44	1	
Acenaphthylene	ND	5.0	0.72	1		Benzo (g,h,i) Perylene	ND	5.0	0.36	1	
Acenaphthene	ND	5.0	0.70	1		Indeno (1,2,3-c,d) Pyrene	ND	5.0	0.42	1	
2,4-Dinitrophenol	ND	25	1.3	1		Dibenz (a,h) Anthracene	ND	5.0	0.41	1	
4-Nitrophenol	ND	5.0	0.43	1							
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
2-Fluorophenol	65	15-138				Phenol-d6	49	17-141			
Nitrobenzene-d5	82	56-123				2-Fluorobiphenyl	72	45-120			
2,4,6-Tribromophenol	93	32-143				p-Terphenyl-d14	79	46-133			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Weston Solutions
 2433 Impala Drive
 Carlsbad, CA 92008-7227

Date Received: 10/11/06
 Work Order No: 06-10-0601
 Preparation: EPA 3510B
 Method: EPA 8270C
 Units: ug/L

Project: POLB / POLA TMDL

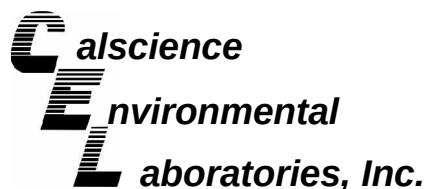
Page 2 of 2

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	099-03-006-206	N/A	Aqueous	10/13/06	10/16/06	061013L02

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
N-Nitrosodimethylamine	ND	10	0.55	1		2,4-Dinitrotoluene	ND	5.0	0.50	1	
Phenol	ND	5.0	0.58	1		2,6-Dinitrotoluene	ND	5.0	0.56	1	
Bis(2-Chloroethyl) Ether	ND	10	0.51	1		Diethyl Phthalate	ND	5.0	0.70	1	
2-Chlorophenol	ND	5.0	0.50	1		4-Chlorophenyl-Phenyl Ether	ND	5.0	0.61	1	
1,3-Dichlorobenzene	ND	5.0	0.58	1		Fluorene	ND	5.0	0.69	1	
1,4-Dichlorobenzene	ND	5.0	0.57	1		4,6-Dinitro-2-Methylphenol	ND	25	1.7	1	
1,2-Dichlorobenzene	ND	5.0	0.56	1		N-Nitrosodiphenylamine	ND	5.0	0.68	1	
Bis(2-Chloroisopropyl) Ether	ND	5.0	0.76	1		4-Bromophenyl-Phenyl Ether	ND	5.0	0.61	1	
N-Nitroso-di-n-propylamine	ND	5.0	0.65	1		Hexachlorobenzene	ND	5.0	0.61	1	
Hexachloroethane	ND	5.0	0.49	1		Pentachlorophenol	ND	5.0	0.37	1	
Nitrobenzene	ND	25	0.67	1		Phenanthrene	ND	5.0	0.75	1	
Isophorone	ND	5.0	0.62	1		Anthracene	ND	5.0	0.75	1	
2-Nitrophenol	ND	10	0.59	1		Di-n-Butyl Phthalate	ND	5.0	0.73	1	
2,4-Dimethylphenol	ND	5.0	0.60	1		Fluoranthene	ND	5.0	0.76	1	
Bis(2-Chloroethoxy) Methane	ND	10	0.58	1		Benidine	ND	50	0.31	1	
2,4-Dichlorophenol	ND	5.0	0.53	1		Pyrene	ND	5.0	0.68	1	
1,2,4-Trichlorobenzene	ND	5.0	0.65	1		Butyl Benzyl Phthalate	ND	5.0	0.52	1	
1,2-Diphenylhydrazine	ND	2.0	0.19	1		3,3'-Dichlorobenzidine	ND	5.0	0.63	1	
Naphthalene	ND	5.0	0.72	1		Benzo (a) Anthracene	ND	5.0	0.56	1	
Hexachloro-1,3-Butadiene	ND	5.0	0.59	1		Bis(2-Ethylhexyl) Phthalate	ND	5.0	0.51	1	
4-Chloro-3-Methylphenol	ND	5.0	0.58	1		Chrysene	ND	5.0	0.64	1	
Hexachlorocyclopentadiene	ND	15	0.22	1		Di-n-Octyl Phthalate	ND	5.0	0.50	1	
2,4,6-Trichlorophenol	ND	5.0	0.61	1		Benzo (k) Fluoranthene	ND	5.0	0.85	1	
2-Chloronaphthalene	ND	5.0	0.65	1		Benzo (b) Fluoranthene	ND	5.0	0.62	1	
Dimethyl Phthalate	ND	5.0	0.65	1		Benzo (a) Pyrene	ND	5.0	0.44	1	
Acenaphthylene	ND	5.0	0.72	1		Benzo (g,h,i) Perylene	ND	5.0	0.36	1	
Acenaphthene	ND	5.0	0.70	1		Indeno (1,2,3-c,d) Pyrene	ND	5.0	0.42	1	
2,4-Dinitrophenol	ND	25	1.3	1		Dibenz (a,h) Anthracene	ND	5.0	0.41	1	
4-Nitrophenol	ND	5.0	0.43	1							
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
2-Fluorophenol	55	15-138				Phenol-d6	39	17-141			
Nitrobenzene-d5	78	56-123				2-Fluorobiphenyl	74	45-120			
2,4,6-Tribromophenol	91	32-143				p-Terphenyl-d14	74	46-133			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Weston Solutions
2433 Impala Drive
Carlsbad, CA 92008-7227

Date Received: 10/11/06
Work Order No: 06-10-0601
Preparation: EPA 3510B
Method: Organotins by Krone
Units: ng/L

Project: POLB / POLA TMDL

Page 1 of 1

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
LBI-4	06-10-0601-13	10/10/06	Aqueous	10/23/06	10/24/06	061023L11

Comment(s): -Results were evaluated to the MDL, concentrations $\geq$ to the MDL but $<$ RL, if found, are qualified with a "J" flag.

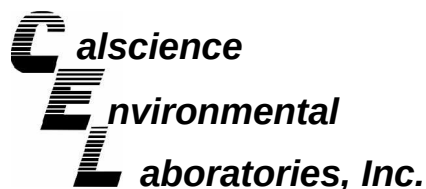
Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Dibutyltin	ND	3.0	0.98	1		Tetrabutyltin	ND	3.0	0.43	1	
Monobutyltin	ND	3.0	0.98	1		Tributyltin	ND	3.0	0.97	1	
Surrogates:	REC (%)	Control Limits			Qual						
Triphenyltin	113	50-130									

Method Blank	099-07-035-39	N/A	Aqueous	10/23/06	10/24/06	061023L11
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Comment(s): -Results were evaluated to the MDL, concentrations $\geq$ to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Dibutyltin	ND	3.0	0.98	1		Tetrabutyltin	ND	3.0	0.43	1	
Monobutyltin	ND	3.0	0.98	1		Tributyltin	ND	3.0	0.97	1	
Surrogates:	REC (%)	Control Limits			Qual						
Triphenyltin	127	50-130									

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Weston Solutions
2433 Impala Drive
Carlsbad, CA 92008-7227

Date Received: 10/11/06
Work Order No: 06-10-0601
Preparation: EPA 3510B
Method: EPA 8081A/8082
Units: ug/L

Project: POLB / POLA TMDL

Page 1 of 1

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
LBI-4	06-10-0601-13	10/10/06	Aqueous	10/13/06	10/16/06	061013L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

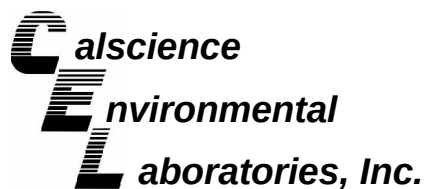
Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Alpha-BHC	ND	0.050	0.013	1		4,4'-DDT	ND	0.050	0.015	1	
Gamma-BHC	ND	0.050	0.020	1		Endosulfan Sulfate	ND	0.050	0.0079	1	
Beta-BHC	ND	0.050	0.0082	1		Chlordane	ND	0.50	0.085	1	
Heptachlor	ND	0.050	0.0074	1		Toxaphene	ND	2.0	0.31	1	
Delta-BHC	ND	0.050	0.018	1		Aroclor-1016	ND	0.50	0.077	1	
Aldrin	ND	0.050	0.010	1		Aroclor-1221	ND	0.50	0.050	1	
Heptachlor Epoxide	ND	0.050	0.023	1		Aroclor-1232	ND	0.50	0.050	1	
Endosulfan I	ND	0.050	0.0052	1		Aroclor-1242	ND	0.50	0.050	1	
Dieldrin	ND	0.050	0.012	1		Aroclor-1248	ND	0.50	0.050	1	
4,4'-DDE	ND	0.050	0.012	1		Aroclor-1254	ND	0.50	0.050	1	
Endrin	ND	0.050	0.012	1		Aroclor-1260	ND	0.50	0.12	1	
Endrin Aldehyde	ND	0.050	0.0052	1		2,4'-DDD	ND	0.050	0.0048	1	
4,4'-DDD	ND	0.050	0.012	1		2,4'-DDE	ND	0.050	0.0074	1	
Endosulfan II	ND	0.050	0.011	1		2,4'-DDT	ND	0.050	0.0041	1	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
Decachlorobiphenyl	101	50-135				2,4,5,6-Tetrachloro-m-Xylene	62	50-135			

Method Blank	099-12-422-4	N/A	Aqueous	10/13/06	10/16/06	061013L01
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Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Alpha-BHC	ND	0.050	0.013	1		4,4'-DDT	ND	0.050	0.015	1	
Gamma-BHC	ND	0.050	0.020	1		Endosulfan Sulfate	ND	0.050	0.0079	1	
Beta-BHC	ND	0.050	0.0082	1		Chlordane	ND	0.50	0.085	1	
Heptachlor	ND	0.050	0.0074	1		Toxaphene	ND	2.0	0.31	1	
Delta-BHC	ND	0.050	0.018	1		Aroclor-1016	ND	0.50	0.077	1	
Aldrin	ND	0.050	0.010	1		Aroclor-1221	ND	0.50	0.050	1	
Heptachlor Epoxide	ND	0.050	0.023	1		Aroclor-1232	ND	0.50	0.050	1	
Endosulfan I	ND	0.050	0.0052	1		Aroclor-1242	ND	0.50	0.050	1	
Dieldrin	ND	0.050	0.012	1		Aroclor-1248	ND	0.50	0.050	1	
4,4'-DDE	ND	0.050	0.012	1		Aroclor-1254	ND	0.50	0.050	1	
Endrin	ND	0.050	0.012	1		Aroclor-1260	ND	0.50	0.12	1	
Endrin Aldehyde	ND	0.050	0.0052	1		2,4'-DDD	ND	0.050	0.0048	1	
4,4'-DDD	ND	0.050	0.012	1		2,4'-DDE	ND	0.050	0.0074	1	
Endosulfan II	ND	0.050	0.011	1		2,4'-DDT	ND	0.050	0.0041	1	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
Decachlorobiphenyl	74	50-135				2,4,5,6-Tetrachloro-m-Xylene	58	50-135			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Weston Solutions
2433 Impala Drive
Carlsbad, CA 92008-7227

Date Received: 10/11/06
Work Order No: 06-10-0601

Project: POLB / POLA TMDL

Page 1 of 1

Client Sample Number	Lab Sample Number	Date Collected	Matrix
LBI-4	06-10-0601-13	10/10/06	Aqueous

Comment(s): (1) Results were evaluated to the MDL, concentrations $\geq$ to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Oil and Grease	ND	1.0		1		mg/L	N/A	10/17/06	EPA 413.1
Carbon, Total Organic (1)	1.2	5.0	0.21	10	J	mg/L	N/A	10/18/06	EPA 415.1
Carbon, Dissolved Organic (1)	1.7	5.0	0.21	10	J	mg/L	10/13/06	10/13/06	EPA 415.1

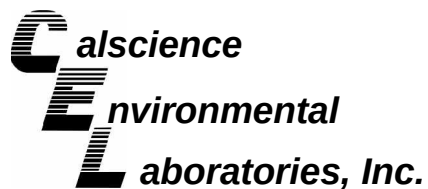
Method Blank	N/A	Aqueous
--------------	-----	---------

Comment(s): (1) Results were evaluated to the MDL, concentrations $\geq$ to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Oil and Grease	ND	1.0		1		mg/L	N/A	10/17/06	EPA 413.1
Carbon, Total Organic (1)	ND	0.50	0.021	1		mg/L	N/A	10/18/06	EPA 415.1
Carbon, Dissolved Organic (1)	ND	0.50	0.021	1		mg/L	10/13/06	10/13/06	EPA 415.1

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

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Quality Control - Spike/Spike Duplicate



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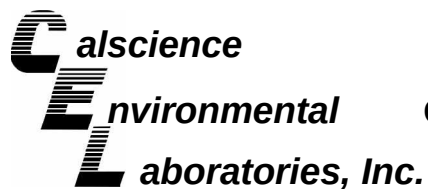
Date Received: 10/11/06
Work Order No: 06-10-0601
Preparation: EPA 5030B
Method: EPA 8015B

Project POLB / POLA TMDL

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
LBI-4	Aqueous	GC 25	10/16/06	10/16/06	061016S02

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Gasoline Range Organics	98	78	68-122	23	0-18	4

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - Spike/Spike Duplicate



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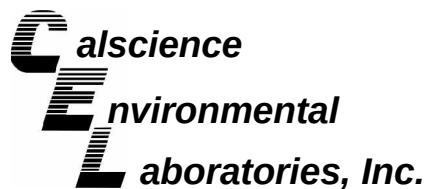
Date Received: N/A
Work Order No: 06-10-0601

Project: POLB / POLA TMDL

Matrix: Aqueous

<u>Parameter</u>	<u>Method</u>	<u>Quality Control Sample ID</u>	<u>Date Analyzed</u>	<u>Date Extracted</u>	<u>MS% REC</u>	<u>MSD % REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Carbon, Total Organic	EPA 415.1	LBI-4	10/18/06	N/A	88	89	70-130	1	0-25	
Carbon, Dissolved Organic	EPA 415.1	LBI-4	10/13/06	10/13/06	87	87	70-130	1	0-25	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - Duplicate



Weston Solutions
2433 Impala Drive
Carlsbad, CA 92008-7227

Date Received: N/A
Work Order No: 06-10-0601

Project: POLB / POLA TMDL

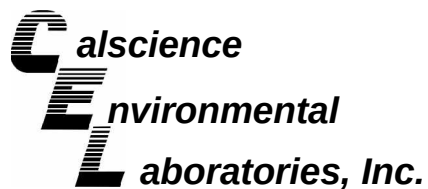
Matrix: Aqueous

<u>Parameter</u>	<u>Method</u>	<u>QC Sample ID</u>	<u>Date Analyzed</u>	<u>Sample Conc</u>	<u>DUP Conc</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Oil and Grease	EPA 413.1	06-10-0696-4	10/17/06	ND	ND	NA	0-25	

RPD - Relative Percent Difference , CL - Control Limit

A handwritten signature in black ink, appearing to be 'M. J. ...'.

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Quality Control - LCS/LCS Duplicate



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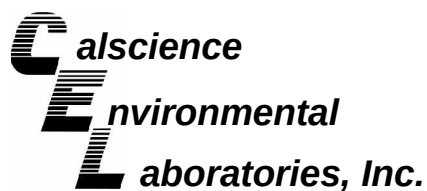
Date Received: N/A
Work Order No: 06-10-0601
Preparation: EPA 5030B
Method: EPA 8015B

Project: POLB / POLA TMDL

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-022-235	Aqueous	GC 25	10/16/06	10/16/06	061016B01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Gasoline Range Organics	105	103	78-120	2	0-10	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



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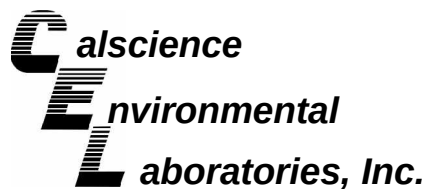
Date Received: N/A
Work Order No: 06-10-0601
Preparation: EPA 3510C
Method: EPA 8015B

Project: POLB / POLA TMDL

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-211-16	Aqueous	GC 23	10/13/06	10/14/06	061013B07

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Diesel Range Organics	82	88	75-117	6	0-13	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



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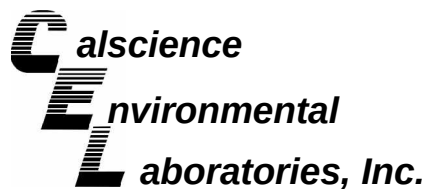
Date Received: N/A
Work Order No: 06-10-0601
Preparation: EPA 3510B
Method: EPA 8270C

Project: POLB / POLA TMDL

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-03-006-206	Aqueous	GC/MS P	10/13/06	10/16/06	061013L02

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Phenol	40	43	12-151	8	0-23	
2-Chlorophenol	72	78	45-135	8	0-18	
1,4-Dichlorobenzene	71	77	36-118	8	0-26	
N-Nitroso-di-n-propylamine	76	83	52-128	8	0-13	
1,2,4-Trichlorobenzene	72	76	42-120	5	0-21	
4-Chloro-3-Methylphenol	71	75	20-150	6	0-40	
Acenaphthene	70	72	51-137	3	0-11	
4-Nitrophenol	35	37	20-150	6	0-40	
2,4-Dinitrotoluene	69	72	25-143	4	0-36	
Pentachlorophenol	67	69	20-150	3	0-40	
Pyrene	67	69	45-135	3	0-20	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



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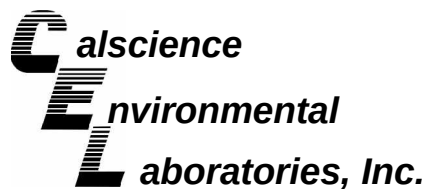
Date Received: N/A
Work Order No: 06-10-0601
Preparation: EPA 3510B
Method: Organotins by Krone

Project: POLB / POLA TMDL

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-07-035-39	Aqueous	GC/MS Y	10/23/06	10/24/06	061023L11

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Tetrabutyltin	65	66	50-130	1	0-20	
Tributyltin	88	94	50-130	6	0-20	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



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Date Received: N/A
Work Order No: 06-10-0601
Preparation: EPA 3510B
Method: EPA 8081A/8082

Project: POLB / POLA TMDL

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-422-4	Aqueous	GC 16	10/13/06	10/16/06	061013L01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Gamma-BHC	125	131	50-135	5	0-25	
Heptachlor	104	110	50-135	6	0-25	
Endosulfan I	116	121	50-135	4	0-25	
Dieldrin	115	119	50-135	3	0-25	
Endrin	130	135	50-135	4	0-25	
4,4'-DDT	114	119	50-135	4	0-25	
Aroclor-1260	111	133	50-135	17	0-25	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - Laboratory Control Sample



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Date Received:
Work Order No:

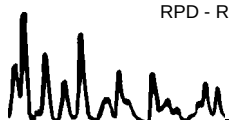
N/A
06-10-0601

Project: POLB / POLA TMDL

Matrix : Aqueous

<u>Parameter</u>	<u>Method</u>	<u>Quality Control Sample ID</u>	<u>Date Analyzed</u>	<u>Date Extracted</u>	<u>Conc Added</u>	<u>Conc Recovered</u>	<u>LCS %Rec</u>	<u>%Rec CL</u>	<u>Qualifiers</u>
Carbon, Total Organic	EPA 415.1	099-05-097-2,433	10/18/06	N/A	5.0	5.5	110	80-120	
Carbon, Dissolved Organic	EPA 415.1	099-05-115-534	10/13/06	10/13/06	5.0	5.2	103	80-120	

RPD - Relative Percent Difference , CL - Control Limit



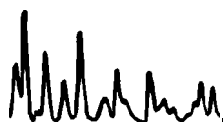
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Glossary of Terms and Qualifiers



Work Order Number: 06-10-0601

<u>Qualifier</u>	<u>Definition</u>
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike or Matrix Spike Duplicate compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	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.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.





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1440 Broadway, Ste. 908 • Oakland, CA 94612 • (510) 808-0302, FAX 891-9710
152 Sunset View Lane • Sequim, WA 98382 • (360) 582-1758, FAX 582-1679
4729 NE View Drive • Port Gamble, WA 98364 • (360) 297-6903, FAX 297-6905

CHAIN OF CUSTODY

13295

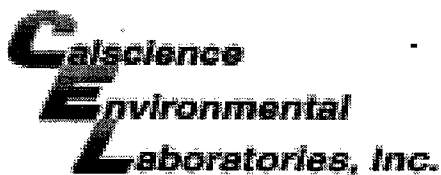
DATE 10/11/06 PAGE 1 OF

PROJECT NAME / SURVEY / PROJECT NUMBER POLB / POLA TMDL				ANALYSIS/TEST REQUESTED		FOR WESTON USE ONLY	
PROJECT MANAGER Stelly Angleren				CONTAINERS		SAMPLE TEMP. UPON RECEIPT	
COMPANY				NUMBER & TYPE OF		PRESERVED HOW/ COMMENTS	
ADDRESS				INITIALS		WESTON LAB ID	
PHONE/FAX 760-931-8081				DATE	TIME	MATRIX	RECEIPT
1	LAD-4	10/10/06	08:00	Water	Pin	1	
2	LAD-9	10/10/06	08:20				
3	LAD-8	10/10/06	08:45				
4	LAD-3	10/10/06	09:30				
5	LAM-11	10/10/06	10:00				
6	LAM-7	10/10/06	13:20				
7	LAM-2	10/10/06	14:00				
8	LAI-6	10/10/06	15:30				
9	LAM-6	10/10/06	16:00				
10	LAI-11	10/10/06	16:30				
11	LAM-4	10/10/06	17:15				
12	LAM-9	10/10/06	17:45				
13	LBT-4	10/10/06	11:45	Water	Box	12	

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPPING:			
Shipping VIA:		Airbill No:	
RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature: B. A. Angleren	Signature: [Signature]	Signature	Signature
Firm: Weston	Firm: Carlsbad	Firm	Firm
Date/Time: 10/11/06 13:50	Date/Time: 10/11/06 13:50	Date/Time	Date/Time

WHITE - return to originator • YELLOW - lab • PINK - retained by originator


 WORK ORDER #: **06** - 1 0 - 0 6 0 1

 Cooler 2 of 1

SAMPLE RECEIPT FORM

 CLIENT: WESTON

 DATE: 10-11-06
TEMPERATURE – SAMPLES RECEIVED BY:
CALSCIENCE COURIER:

- ☐ Chilled, cooler with temperature blank provided.
☐ Chilled, cooler without temperature blank.
☐ Chilled and placed in cooler with wet ice.
☐ Ambient and placed in cooler with wet ice.
☐ Ambient temperature.
☐ °C Temperature blank.

LABORATORY (Other than Calscience Courier):

- 3.1 °C Temperature blank.
☐ °C IR thermometer.
☐ Ambient temperature.

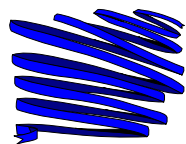
 Initial: WPB
CUSTODY SEAL INTACT:

Sample(s): _____ Cooler: _____ No (Not Intact) : _____ Not Present: ✓
 Initial: WPB

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody document(s) received with samples.....	<u> ✓ </u>		
Sampler's name indicated on COC.....	<u> ✓ </u>		
Sample container label(s) consistent with custody papers.....	<u> ✓ </u>		
Sample container(s) intact and good condition.....	<u> ✓ </u>		
Correct containers and volume for analyses requested.....	<u> ✓ </u>		
Proper preservation noted on sample label(s).....	<u> ✓ </u>		
VOA vial(s) free of headspace.	<u> ✓ </u>		<u> WPB </u>
Tedlar bag(s) free of condensation.....			<u> ✓ </u>

 Initial: WPB
COMMENTS:



CRG Marine Laboratories, Inc.

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

November 01, 2006

Calscience Environmental Laboratories, Inc.
7440 Lincoln Way
Garden Grove, CA 92841

Re: CRG Marine Laboratories Project ID: P 26201e
Calscience Environmental Laboratories Project ID: 06-10-0601 (Weston - POLB)

ATTN: Bob Stearns

CRG Laboratories is pleased to provide you with the enclosed analytical data report for your 06-10-0601 (Weston - POLB) project. According to the chain-of-custody form dated 10/13/2006. Per your instructions, the sample was analyzed for:

- Trace Metals By ICPMS Using Method EPA 6020m
- Trace Metals By ICPMS Using Method EPA 1640m
- Mercury (Hg) By CVAFS Using Method EPA 245.7m
- PCB Congeners 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,
Misty Mercier

Reviewed and Approved _____

Project Sample List

Calscience Environmental

CRG Project ID: **26201e**

Project Officer: Bob Stearns

Project Description: 06-10-0601 (Weston - POLB)

<i>CRG Sample ID#</i>	<i>Client Sample ID</i>	<i>Sample Description</i>	<i>Date Sampled</i>	<i>Matrix</i>
45757	LBI-4		10-Oct-06	Seawater

DATA REPORT

TRACE METAL RESULTS

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

Client: Calscience Environmental Laboratories, Inc.

CRG Project ID: 26201e

CRG ID#: 45757

Sample LBI-4

Date Sampled: 10-Oct-06 11:45

Replicate #: R1

Description: 06-10-0601 (Weston - POLB)

Date Received: 13-Oct-06

DILUTION FACTOR: 1

Matrix: Seawater

CONSTITUENT	FRACTION	METHOD	RESULT	UNITS	MDL	RL	DATE PROCESSED	DATE ANALYZED	BATCH ID
Arsenic (As)	Particulate	EPA 6020m	0.104	µg/L	0.025	0.05	22-Oct-06	26-Oct-06	26201d-15015
Arsenic (As)	Dissolved	EPA 1640m	0.86	µg/L	0.01	0.015	22-Oct-06	28-Oct-06	26201d-15015
Cadmium (Cd)	Particulate	EPA 6020m	ND	µg/L	0.025	0.05	22-Oct-06	26-Oct-06	26201d-15015
Cadmium (Cd)	Dissolved	EPA 1640m	0.018	µg/L	0.005	0.01	22-Oct-06	28-Oct-06	26201d-15015
Chromium (Cr)	Particulate	EPA 6020m	0.14	µg/L	0.025	0.05	22-Oct-06	26-Oct-06	26201d-15015
Chromium (Cr)	Dissolved	EPA 1640m	0.23	µg/L	0.025	0.05	22-Oct-06	28-Oct-06	26201d-15015
Copper (Cu)	Particulate	EPA 6020m	0.29	µg/L	0.025	0.05	22-Oct-06	26-Oct-06	26201d-15015
Copper (Cu)	Dissolved	EPA 1640m	0.61	µg/L	0.01	0.02	22-Oct-06	28-Oct-06	26201d-15015
Lead (Pb)	Particulate	EPA 6020m	0.23	µg/L	0.025	0.05	22-Oct-06	26-Oct-06	26201d-15015
Lead (Pb)	Dissolved	EPA 1640m	0.012	µg/L	0.005	0.01	22-Oct-06	28-Oct-06	26201d-15015
Mercury (Hg)	Particulate	EPA 245.7m	ND	µg/L	0.01	0.02	27-Oct-06	27-Oct-06	26201d-2079
Mercury (Hg)	Dissolved	EPA 245.7m	ND	µg/L	0.01	0.02	27-Oct-06	27-Oct-06	26201d-2079
Nickel (Ni)	Particulate	EPA 6020m	0.066	µg/L	0.025	0.05	22-Oct-06	26-Oct-06	26201d-15015
Nickel (Ni)	Dissolved	EPA 1640m	0.569	µg/L	0.005	0.01	22-Oct-06	28-Oct-06	26201d-15015
Selenium (Se)	Particulate	EPA 6020m	ND	µg/L	0.025	0.05	22-Oct-06	26-Oct-06	26201d-15015
Selenium (Se)	Dissolved	EPA 1640m	J 0.01	µg/L	0.01	0.015	22-Oct-06	28-Oct-06	26201d-15015
Silver (Ag)	Particulate	EPA 6020m	ND	µg/L	0.025	0.05	22-Oct-06	26-Oct-06	26201d-15015
Silver (Ag)	Dissolved	EPA 1640m	ND	µg/L	0.02	0.04	22-Oct-06	28-Oct-06	26201d-15015
Zinc (Zn)	Particulate	EPA 6020m	1.025	µg/L	0.025	0.05	22-Oct-06	26-Oct-06	26201d-15015
Zinc (Zn)	Dissolved	EPA 1640m	1.932	µg/L	0.005	0.01	22-Oct-06	28-Oct-06	26201d-15015

MDL= Method Detection Limit (CFR 40 Part 136); RL= Reporting Limit; J= Estimated Value below the RL and above the MDL; ND= Not Detected; NA= Not Applicable; MI = Matrix Interference

California ELAP Certificate # 2261

45757

R1

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

Client: Calscience Environmental Laboratories, Inc.

CRG Project ID: 26201e

CRG ID#: 44512

Sample QAQC

LCM-CRG Seawater

Date Sampled:

Replicate #: LCM1

Description: 06-10-0601 (Weston - POLB)

Date Received:

DILUTION FACTOR: 1

Matrix: Seawater

CONSTITUENT	FRACTION	METHOD	RESULT	UNITS	MDL	RL	DATE PROCESSED	DATE ANALYZED	BATCH ID
Arsenic (As)	Dissolved	EPA 1640m	1.41	µg/L	0.01	0.015	22-Oct-06	28-Oct-06	26201d-15015
Cadmium (Cd)	Dissolved	EPA 1640m	0.097	µg/L	0.005	0.01	22-Oct-06	28-Oct-06	26201d-15015
Chromium (Cr)	Dissolved	EPA 1640m	0.41	µg/L	0.025	0.05	22-Oct-06	28-Oct-06	26201d-15015
Copper (Cu)	Dissolved	EPA 1640m	1.63	µg/L	0.01	0.02	22-Oct-06	28-Oct-06	26201d-15015
Lead (Pb)	Dissolved	EPA 1640m	J 0.007	µg/L	0.005	0.01	22-Oct-06	28-Oct-06	26201d-15015
Mercury (Hg)	Dissolved	EPA 245.7m	ND	µg/L	0.01	0.02	27-Oct-06	27-Oct-06	26201d-2079
Nickel (Ni)	Dissolved	EPA 1640m	0.305	µg/L	0.005	0.01	22-Oct-06	28-Oct-06	26201d-15015
Selenium (Se)	Dissolved	EPA 1640m	0.06	µg/L	0.01	0.015	22-Oct-06	28-Oct-06	26201d-15015
Silver (Ag)	Dissolved	EPA 1640m	ND	µg/L	0.02	0.04	22-Oct-06	28-Oct-06	26201d-15015
Zinc (Zn)	Dissolved	EPA 1640m	ND	µg/L	0.005	0.01	22-Oct-06	28-Oct-06	26201d-15015

MDL= Method Detection Limit (CFR 40 Part 136); RL= Reporting Limit; J= Estimated Value below the RL and above the MDL; ND= Not Detected; NA= Not Applicable; MI = Matrix Interference

California ELAP Certificate # 2261

44512

LCM1

CONGENER-BASED PCB RESULTS

CRG Marine Laboratories, Inc.

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

PCB Congeners

Client: Calscience Environmental Laboratories, Inc.

CRG Project ID: 26201e

CRG ID#: 45757

Sample LBI-4

Date Sampled: 10-Oct-06 11:45

Replicate #: R1

Description: 06-10-0601 (Weston - POLB)

Date Received: 13-Oct-06

DILUTION FACTOR: 1

Matrix: Seawater

CONSTITUENT	FRACTION	METHOD	RESULT	UNITS	MDL	RL	DATE PROCESSED	DATE ANALYZED	BATCH ID
(PCB030)	Total	EPA 625m	89	% Recovery			13-Oct-06	23-Oct-06	26201d-20057
(PCB112)	Total	EPA 625m	91	% Recovery			13-Oct-06	23-Oct-06	26201d-20057
(PCB198)	Total	EPA 625m	94	% Recovery			13-Oct-06	23-Oct-06	26201d-20057
(TCMX)	Total	EPA 625m	85	% Recovery			13-Oct-06	23-Oct-06	26201d-20057
PCB018	Total	EPA 625m	ND	ng/L	1	5	13-Oct-06	23-Oct-06	26202d-20057
PCB028	Total	EPA 625m	ND	ng/L	1	5	13-Oct-06	23-Oct-06	26202d-20057
PCB031	Total	EPA 625m	ND	ng/L	1	5	13-Oct-06	23-Oct-06	26202d-20057
PCB033	Total	EPA 625m	ND	ng/L	1	5	13-Oct-06	23-Oct-06	26202d-20057
PCB037	Total	EPA 625m	ND	ng/L	1	5	13-Oct-06	23-Oct-06	26202d-20057
PCB044	Total	EPA 625m	ND	ng/L	1	5	13-Oct-06	23-Oct-06	26202d-20057
PCB049	Total	EPA 625m	ND	ng/L	1	5	13-Oct-06	23-Oct-06	26202d-20057
PCB052	Total	EPA 625m	ND	ng/L	1	5	13-Oct-06	23-Oct-06	26202d-20057
PCB066	Total	EPA 625m	ND	ng/L	1	5	13-Oct-06	23-Oct-06	26202d-20057
PCB070	Total	EPA 625m	ND	ng/L	1	5	13-Oct-06	23-Oct-06	26202d-20057
PCB074	Total	EPA 625m	ND	ng/L	1	5	13-Oct-06	23-Oct-06	26202d-20057
PCB077	Total	EPA 625m	ND	ng/L	1	5	13-Oct-06	23-Oct-06	26202d-20057
PCB081	Total	EPA 625m	ND	ng/L	1	5	13-Oct-06	23-Oct-06	26202d-20057
PCB087	Total	EPA 625m	ND	ng/L	1	5	13-Oct-06	23-Oct-06	26202d-20057
PCB095	Total	EPA 625m	ND	ng/L	1	5	13-Oct-06	23-Oct-06	26202d-20057
PCB097	Total	EPA 625m	ND	ng/L	1	5	13-Oct-06	23-Oct-06	26202d-20057
PCB099	Total	EPA 625m	ND	ng/L	1	5	13-Oct-06	23-Oct-06	26202d-20057
PCB101	Total	EPA 625m	ND	ng/L	1	5	13-Oct-06	23-Oct-06	26202d-20057
PCB105	Total	EPA 625m	ND	ng/L	1	5	13-Oct-06	23-Oct-06	26202d-20057
PCB110	Total	EPA 625m	ND	ng/L	1	5	13-Oct-06	23-Oct-06	26202d-20057
PCB114	Total	EPA 625m	ND	ng/L	1	5	13-Oct-06	23-Oct-06	26202d-20057

MDL= Method Detection Limit (CFR 40 Part 136); RL= Reporting Limit; J= Estimated Value below the RL and above the MDL; ND= Not Detected; NA= Not Applicable; MI = Matrix Interference

California ELAP Certificate # 2261
45757 R1

CRG Marine Laboratories, Inc.

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

PCB Congeners

Client: Calscience Environmental Laboratories, Inc.

CRG Project ID: 26201e

CRG ID#: 45757

Sample LBI-4

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Replicate #: R1

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DILUTION FACTOR: 1

Matrix: Seawater

CONSTITUENT	FRACTION	METHOD	RESULT	UNITS	MDL	RL	DATE PROCESSED	DATE ANALYZED	BATCH ID
PCB118	Total	EPA 625m	ND	ng/L	1	5	13-Oct-06	23-Oct-06	26202d-20057
PCB119	Total	EPA 625m	ND	ng/L	1	5	13-Oct-06	23-Oct-06	26202d-20057
PCB123	Total	EPA 625m	ND	ng/L	1	5	13-Oct-06	23-Oct-06	26202d-20057
PCB126	Total	EPA 625m	ND	ng/L	1	5	13-Oct-06	23-Oct-06	26202d-20057
PCB128+167	Total	EPA 625m	ND	ng/L	1	5	13-Oct-06	23-Oct-06	26202d-20057
PCB138	Total	EPA 625m	ND	ng/L	1	5	13-Oct-06	23-Oct-06	26202d-20057
PCB141	Total	EPA 625m	ND	ng/L	1	5	13-Oct-06	23-Oct-06	26202d-20057
PCB149	Total	EPA 625m	ND	ng/L	1	5	13-Oct-06	23-Oct-06	26202d-20057
PCB151	Total	EPA 625m	ND	ng/L	1	5	13-Oct-06	23-Oct-06	26202d-20057
PCB153	Total	EPA 625m	ND	ng/L	1	5	13-Oct-06	23-Oct-06	26202d-20057
PCB156	Total	EPA 625m	ND	ng/L	1	5	13-Oct-06	23-Oct-06	26202d-20057
PCB157	Total	EPA 625m	ND	ng/L	1	5	13-Oct-06	23-Oct-06	26202d-20057
PCB158	Total	EPA 625m	ND	ng/L	1	5	13-Oct-06	23-Oct-06	26202d-20057
PCB168+132	Total	EPA 625m	ND	ng/L	1	5	13-Oct-06	23-Oct-06	26202d-20057
PCB169	Total	EPA 625m	ND	ng/L	1	5	13-Oct-06	23-Oct-06	26202d-20057
PCB170	Total	EPA 625m	ND	ng/L	1	5	13-Oct-06	23-Oct-06	26202d-20057
PCB177	Total	EPA 625m	ND	ng/L	1	5	13-Oct-06	23-Oct-06	26202d-20057
PCB180	Total	EPA 625m	ND	ng/L	1	5	13-Oct-06	23-Oct-06	26202d-20057
PCB183	Total	EPA 625m	ND	ng/L	1	5	13-Oct-06	23-Oct-06	26202d-20057
PCB187	Total	EPA 625m	ND	ng/L	1	5	13-Oct-06	23-Oct-06	26202d-20057
PCB189	Total	EPA 625m	ND	ng/L	1	5	13-Oct-06	23-Oct-06	26202d-20057
PCB194	Total	EPA 625m	ND	ng/L	1	5	13-Oct-06	23-Oct-06	26202d-20057
PCB200	Total	EPA 625m	ND	ng/L	1	5	13-Oct-06	23-Oct-06	26202d-20057
PCB201	Total	EPA 625m	ND	ng/L	1	5	13-Oct-06	23-Oct-06	26202d-20057
PCB206	Total	EPA 625m	ND	ng/L	1	5	13-Oct-06	23-Oct-06	26202d-20057

MDL= Method Detection Limit (CFR 40 Part 136); RL= Reporting Limit; J= Estimated Value below the RL and above the MDL; ND= Not Detected; NA= Not Applicable; MI = Matrix Interference

California ELAP Certificate # 2261

45757

R1

CRG Marine Laboratories, Inc.

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PCB Congeners

Client: Calscience Environmental Laboratories, Inc.

CRG Project ID: 26201e

CRG ID#: 45757

Sample LBI-4

Date Sampled: 10-Oct-06 11:45

Replicate #: R1

Description: 06-10-0601 (Weston - POLB)

Date Received: 13-Oct-06

DILUTION FACTOR: 1

Matrix: Seawater

CONSTITUENT	FRACTION	METHOD	RESULT	UNITS	MDL	RL	DATE PROCESSED	DATE ANALYZED	BATCH ID
Total Detectable PCBs	Total	EPA 625m	0	ng/L			13-Oct-06	23-Oct-06	26202d-20057

MDL= Method Detection Limit (CFR 40 Part 136); RL= Reporting Limit; J= Estimated Value below the RL and above the MDL; ND= Not Detected; NA= Not Applicable; MI = Matrix Interference

California ELAP Certificate # 2261

45757

R1

QUALITY CONTROL 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

Trace Metals

Client: Calscience Environmental Laboratories, Inc.

CRG Project ID: 26201e

CRG ID#: 44511

Sample QAQC

Procedural Blank

Date Sampled:

Replicate #: B1

Description: 06-10-0601 (Weston - POLB)

Date Received:

DILUTION FACTOR: 1

Matrix: DI Water

CONSTITUENT	FRACTION	METHOD	RESULT	UNITS	MDL	RL	DATE PROCESSED	DATE ANALYZED	BATCH ID
Arsenic (As)	Particulate	EPA 6020m	ND	µg/L	0.025	0.05	22-Oct-06	26-Oct-06	26201d-15015
Arsenic (As)	Dissolved	EPA 1640m	ND	µg/L	0.01	0.015	22-Oct-06	28-Oct-06	26201d-15015
Cadmium (Cd)	Particulate	EPA 6020m	ND	µg/L	0.025	0.05	22-Oct-06	26-Oct-06	26201d-15015
Cadmium (Cd)	Dissolved	EPA 1640m	ND	µg/L	0.005	0.01	22-Oct-06	28-Oct-06	26201d-15015
Chromium (Cr)	Particulate	EPA 6020m	ND	µg/L	0.025	0.05	22-Oct-06	26-Oct-06	26201d-15015
Chromium (Cr)	Dissolved	EPA 1640m	ND	µg/L	0.025	0.05	22-Oct-06	28-Oct-06	26201d-15015
Copper (Cu)	Particulate	EPA 6020m	ND	µg/L	0.025	0.05	22-Oct-06	26-Oct-06	26201d-15015
Copper (Cu)	Dissolved	EPA 1640m	ND	µg/L	0.01	0.02	22-Oct-06	28-Oct-06	26201d-15015
Lead (Pb)	Particulate	EPA 6020m	ND	µg/L	0.025	0.05	22-Oct-06	26-Oct-06	26201d-15015
Lead (Pb)	Dissolved	EPA 1640m	ND	µg/L	0.005	0.01	22-Oct-06	28-Oct-06	26201d-15015
Mercury (Hg)	Particulate	EPA 245.7m	ND	µg/L	0.01	0.02	27-Oct-06	27-Oct-06	26201d-2079
Mercury (Hg)	Dissolved	EPA 245.7m	ND	µg/L	0.01	0.02	27-Oct-06	27-Oct-06	26201d-2079
Nickel (Ni)	Particulate	EPA 6020m	ND	µg/L	0.025	0.05	22-Oct-06	26-Oct-06	26201d-15015
Nickel (Ni)	Dissolved	EPA 1640m	ND	µg/L	0.005	0.01	22-Oct-06	28-Oct-06	26201d-15015
Selenium (Se)	Particulate	EPA 6020m	ND	µg/L	0.025	0.05	22-Oct-06	26-Oct-06	26201d-15015
Selenium (Se)	Dissolved	EPA 1640m	ND	µg/L	0.01	0.015	22-Oct-06	28-Oct-06	26201d-15015
Silver (Ag)	Particulate	EPA 6020m	ND	µg/L	0.025	0.05	22-Oct-06	26-Oct-06	26201d-15015
Silver (Ag)	Dissolved	EPA 1640m	ND	µg/L	0.02	0.04	22-Oct-06	28-Oct-06	26201d-15015
Zinc (Zn)	Particulate	EPA 6020m	ND	µg/L	0.025	0.05	22-Oct-06	26-Oct-06	26201d-15015
Zinc (Zn)	Dissolved	EPA 1640m	ND	µg/L	0.005	0.01	22-Oct-06	28-Oct-06	26201d-15015

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California ELAP Certificate # 2261

44511

B1

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PCB Congeners

Client: Calscience Environmental Laboratories, Inc.

CRG Project ID: 26201e

CRG ID#: 44511

Sample QAQC

Procedural Blank

Date Sampled:

Replicate #: B1

Description: 06-10-0601 (Weston - POLB)

Date Received:

DILUTION FACTOR: 1

Matrix: DI Water

CONSTITUENT	FRACTION	METHOD	RESULT	UNITS	MDL	RL	DATE PROCESSED	DATE ANALYZED	BATCH ID
(PCB030)	Total	EPA 625m	64	% Recovery			13-Oct-06	23-Oct-06	26201d-20057
(PCB112)	Total	EPA 625m	80	% Recovery			13-Oct-06	23-Oct-06	26201d-20057
(PCB198)	Total	EPA 625m	86	% Recovery			13-Oct-06	23-Oct-06	26201d-20057
(TCMX)	Total	EPA 625m	53	% Recovery			13-Oct-06	23-Oct-06	26201d-20057
PCB018	Total	EPA 625m	ND	ng/L	1	5	13-Oct-06	23-Oct-06	26202d-20057
PCB028	Total	EPA 625m	ND	ng/L	1	5	13-Oct-06	23-Oct-06	26202d-20057
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PCB033	Total	EPA 625m	ND	ng/L	1	5	13-Oct-06	23-Oct-06	26202d-20057
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PCB044	Total	EPA 625m	ND	ng/L	1	5	13-Oct-06	23-Oct-06	26202d-20057
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PCB095	Total	EPA 625m	ND	ng/L	1	5	13-Oct-06	23-Oct-06	26202d-20057
PCB097	Total	EPA 625m	ND	ng/L	1	5	13-Oct-06	23-Oct-06	26202d-20057
PCB099	Total	EPA 625m	ND	ng/L	1	5	13-Oct-06	23-Oct-06	26202d-20057
PCB101	Total	EPA 625m	ND	ng/L	1	5	13-Oct-06	23-Oct-06	26202d-20057
PCB105	Total	EPA 625m	ND	ng/L	1	5		23-Oct-06	
PCB110	Total	EPA 625m	ND	ng/L	1	5	13-Oct-06	23-Oct-06	26202d-20057
PCB114	Total	EPA 625m	ND	ng/L	1	5	13-Oct-06	23-Oct-06	26202d-20057

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Procedural Blank

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Matrix: DI Water

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PCB128+167	Total	EPA 625m	ND	ng/L	1	5	13-Oct-06	23-Oct-06	26202d-20057
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PCB153	Total	EPA 625m	ND	ng/L	1	5	13-Oct-06	23-Oct-06	26202d-20057
PCB156	Total	EPA 625m	ND	ng/L	1	5	13-Oct-06	23-Oct-06	26202d-20057
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PCB158	Total	EPA 625m	ND	ng/L	1	5	13-Oct-06	23-Oct-06	26202d-20057
PCB168+132	Total	EPA 625m	ND	ng/L	1	5	13-Oct-06	23-Oct-06	26202d-20057
PCB169	Total	EPA 625m	ND	ng/L	1	5	13-Oct-06	23-Oct-06	26202d-20057
PCB170	Total	EPA 625m	ND	ng/L	1	5	13-Oct-06	23-Oct-06	26202d-20057
PCB177	Total	EPA 625m	ND	ng/L	1	5	13-Oct-06	23-Oct-06	26202d-20057
PCB180	Total	EPA 625m	ND	ng/L	1	5	13-Oct-06	23-Oct-06	26202d-20057
PCB183	Total	EPA 625m	ND	ng/L	1	5	13-Oct-06	23-Oct-06	26202d-20057
PCB187	Total	EPA 625m	ND	ng/L	1	5	13-Oct-06	23-Oct-06	26202d-20057
PCB189	Total	EPA 625m	ND	ng/L	1	5	13-Oct-06	23-Oct-06	26202d-20057
PCB194	Total	EPA 625m	ND	ng/L	1	5	13-Oct-06	23-Oct-06	26202d-20057
PCB200	Total	EPA 625m	ND	ng/L	1	5	13-Oct-06	23-Oct-06	26202d-20057
PCB201	Total	EPA 625m	ND	ng/L	1	5	13-Oct-06	23-Oct-06	26202d-20057
PCB206	Total	EPA 625m	ND	ng/L	1	5	13-Oct-06	23-Oct-06	26202d-20057

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PCB Congeners

Client: Calscience Environmental Laboratories, Inc.

CRG Project ID: 26201e

CRG ID#: 44511

Sample QAQC

Procedural Blank

Date Sampled:

Replicate #: B1

Description: 06-10-0601 (Weston - POLB)

Date Received:

DILUTION FACTOR: 1

Matrix: DI Water

CONSTITUENT	FRACTION	METHOD	RESULT	UNITS	MDL	RL	DATE PROCESSED	DATE ANALYZED	BATCH ID
Total Detectable PCBs	Total	EPA 625m	0	ng/L			13-Oct-06	23-Oct-06	26202d-20057

MDL= Method Detection Limit (CFR 40 Part 136); RL= Reporting Limit; J= Estimated Value below the RL and above the MDL; ND= Not Detected; NA= Not Applicable; MI = Matrix Interference

California ELAP Certificate # 2261
44511 B1

CHAIN-OF-CUSTODY

**CRG**

Marine Laboratories, Inc.

SAMPLE RECEIVING**CRG Project ID**

P20201d

CLIENT
NAME

Calscience

DATE
RECEIVED

10/13/00

COURIER INFORMATION☐ CRG☐ FEDEX☒ OTHER*☐ UPSTRACKING
NUMBER

Calscience Delivery

TEMPERATURE

12

°C

☐ BLUE ICE☒ WET ICE☐ NO ICE**Chain-of-Custody**☒ INCLUDED☒ SIGNED☐ NOT INCLUDED**SAMPLE MATRIX**☒ LIQUID☐ SOLID☐ OTHER***CONDITION OF SAMPLES UPON ARRIVAL**

	YES	NO*	NA
All sample containers intact and good condition.....	☒	☐	☐
All samples listed on COC are present.....	☒	☐	☐
Sample ID on containers consistent with COC.....	☒	☐	☐
Correct containers used for analyses requested.....	☒	☐	☐
All samples received within method holding time.....	☒	☐	☐

***NOTES**

COMPLETED BY:

GG