Appendix D
Bulk Sediment Chemistry Reports

Calscience Environmental Laboratories, Inc.

February 23, 2007

Nick Buhbe
AMEC
9210 Sky Park Court, Suite 200
San Diego, CA 92123-4302

Subject: **Calscience Work Order No.: 07-02-0546**
Client Reference: 4151 001025 POLA_B155

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 2/8/2007 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,

Calscience Environmental
Laboratories, Inc.
Robert Stearns
Project Manager

Calscience Environmental Laboratories, Inc.

CASE NARRATIVE

Calscience Work Order No.: 07-02-0546

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

Sample Condition on Receipt

Two marine sediment samples were received for this project on February 8, 2007. The samples were housed in glass jars. All samples were transferred to the laboratory in an ice-chest with wet ice, following strict chain-of-custody (COC) procedures. The temperature of the samples upon receipt at the laboratory was 3.8°C. The samples were logged into the Laboratory Information Management System (LIMS), given laboratory identification numbers, and stored in refrigeration units pending analysis. Testing was performed in accordance with pre-established testing methods and compound lists.

The COC indicated that samples B155A and B155B were housed in three and five jars, respectively. However, the number of jars actually received was the reverse of what was shown on the COC. No other sample receiving anomalies were noted.

Data Summary

As directed by the client and the COC, a composite of the two marine sediments was made to create a single sample for testing.

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 were performed at required frequencies. Spiking was performed only on the sample analyzed for this project. The MS/MSD recoveries and RPDs for all testing were within acceptable limits, with the following exceptions.

For the metals by EPA 6020, the matrix spike (MS) recoveries for copper and lead fell below the established control limit for the metals, and the MSD recoveries for each metal fell above the established control limits. However, the corresponding LCS/LCSD recoveries were in control, indicating a matrix interference effect, and thus the data is released with no further action. Also, the matrix spike recoveries for zinc are not applicable since the zinc concentration in the spiked sample far exceeded the spike amount.

For the organochlorine pesticides/PCBs by EPA 8081A/8082, most of the compounds showed matrix spike recoveries and duplicate RPDs outside of the established control limits for those compounds. The matrix was particularly challenging with heavy hydrocarbon interference. However, the associated LCS/LCSD recoveries and RPDs for these compounds were within control limits, indicating a matrix interference effect, and the data is released with no further qualification.

For the SVOCs by EPA 8270C SIM, the MS/MSD recoveries for several compounds fell below the established control limits. In addition, the duplicate RPDs for 2-Nitrophenol, Acenaphthene, and NDMA fell above the established control limit. However, since the corresponding LCS/LCSD recoveries and RPDs for all compounds were in control, a matrix interference effect is apparent, the data is released with no further qualification.

Finally, for TOC by EPA 9060, the MS/MSD recoveries fell below the established control limits. However, as with the other testing, the corresponding LCS/LCSD recoveries were in control, suggesting a matrix interference effect and the data is released with no further action.

Surrogates

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

Acronyms

MS/MSD:	Matrix Spike/Matrix Spike Duplicate
LCS/LCSD:	Laboratory Control Sample/Laboratory Control Sample Duplicate
RPD:	Relative Percent Difference

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC		Date Received:	02/08/07
9210 Sky Park Court, Suite 200		Work Order No:	07-02-0546
San Diego, CA 92123-4302		Preparation:	EPA 3050B
		Method:	EPA 6020
		Units:	mg/kg
Project: 4151 001025 POLA_B155			Page 1 of 1

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
COMP B155A,B155B	**07-02-0546-4**	**02/08/07**	**Solid**	**ICP/MS A**	**02/13/07**	**02/13/07**	**070213L02**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	23.6	0.159	1.59		Nickel	28.2	0.159	1.59	
Cadmium	1.15	0.159	1.59		Selenium	2.25	0.794	1.59	
Chromium	91.2	0.159	1.59		Silver	0.421	0.159	1.59	
Copper	129	0.159	1.59		Zinc	234	0.794	1.59	
Lead	134	0.159	1.59						

Method Blank	**096-10-002-803**	**N/A**	**Solid**	**ICP/MS A**	**02/13/07**	**02/13/07**	**070213L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.100	1		Nickel	ND	0.100	1	
Cadmium	ND	0.100	1		Selenium	ND	0.500	1	
Chromium	ND	0.100	1		Silver	ND	0.100	1	
Copper	ND	0.100	1		Zinc	ND	0.500	1	
Lead	ND	0.100	1						

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

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

AMEC
9210 Sky Park Court, Suite 200
San Diego, CA 92123-4302

Date Received:	02/08/07
Work Order No:	07-02-0546
Preparation:	Extraction
Method:	EPA 418.1M

Project: 4151 001025 POLA_B155

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
COMP B155A,B155B	**07-02-0546-4**	**02/08/07**	**Solid**	**IR #1**	**02/12/07**	**02/12/07**	**070212L01**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Units
TRPH	1900	200	20		mg/kg

Method Blank	**099-07-015-1,078**	**N/A**	**Solid**	**IR #1**	**02/12/07**	**02/12/07**	**070212L01**

Parameter	Result	RL	DF	Qual	Units
TRPH	ND	10	1		mg/kg

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

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC		Date Received:	02/08/07
9210 Sky Park Court, Suite 200		Work Order No:	07-02-0546
San Diego, CA 92123-4302		Preparation:	EPA 7471A Total
		Method:	EPA 7471A

Project: 4151 001025 POLA_B155

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
COMP B155A,B155B	**07-02-0546-4**	**02/08/07**	**Solid**	**Mercury**	**02/09/07**	**02/19/07**	**070219L04**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Units
Mercury	2.13	0.0318	1.59		mg/kg

Method Blank	**099-12-452-20**	**N/A**	**Solid**	**Mercury**	**02/19/07**	**02/19/07**	**070219L04**

Parameter	Result	RL	DF	Qual	Units
Mercury	ND	0.0200	1		mg/kg

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

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH

AMEC		Date Received:	02/08/07
9210 Sky Park Court, Suite 200		Work Order No:	07-02-0546
San Diego, CA 92123-4302		Preparation:	EPA 3545
		Method:	EPA 8081A/8082
		Units:	ug/kg

Project: 4151 001025 POLA_B155

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
COMP B155A,B155B	**07-02-0546-4**	**02/08/07**	**Solid**	**GC 16**	**02/16/07**	**02/21/07**	**070216L04**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Aldrin	ND	1.6	1.59		Endrin	ND	1.6	1.59	
Alpha-BHC	ND	1.6	1.59		Endrin Aldehyde	ND	1.6	1.59	
Beta-BHC	ND	1.6	1.59		Endrin Ketone	ND	1.6	1.59	
Delta-BHC	ND	1.6	1.59		Heptachlor	ND	1.6	1.59	
Gamma-BHC	ND	1.6	1.59		Heptachlor Epoxide	ND	1.6	1.59	
Chlordane	ND	16	1.59		Methoxychlor	ND	1.6	1.59	
Dieldrin	ND	1.6	1.59		Toxaphene	ND	32	1.59	
2,4'-DDD	ND	1.6	1.59		Aroclor-1016	ND	16	1.59	
2,4'-DDE	ND	1.6	1.59		Aroclor-1221	ND	16	1.59	
2,4'-DDT	ND	1.6	1.59		Aroclor-1232	ND	16	1.59	
4,4'-DDD	26	16	15.9		Aroclor-1242	ND	16	1.59	
4,4'-DDE	100	16	15.9		Aroclor-1248	ND	16	1.59	
4,4'-DDT	ND	1.6	1.59		Aroclor-1254	230	16	1.59	
Endosulfan I	ND	1.6	1.59		Aroclor-1260	ND	16	1.59	
Endosulfan II	ND	1.6	1.59		Aroclor-1262	ND	16	1.59	
Endosulfan Sulfate	ND	1.6	1.59						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2,4,5,6-Tetrachloro-m-Xylene	53	50-130		Decachlorobiphenyl	58	50-130	

Method Blank	**099-07-033-55**	**N/A**	**Solid**	**GC 16**	**02/16/07**	**02/20/07**	**070216L04**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Aldrin	ND	1.0	1		Endrin	ND	1.0	1	
Alpha-BHC	ND	1.0	1		Endrin Aldehyde	ND	1.0	1	
Beta-BHC	ND	1.0	1		Endrin Ketone	ND	1.0	1	
Delta-BHC	ND	1.0	1		Heptachlor	ND	1.0	1	
Gamma-BHC	ND	1.0	1		Heptachlor Epoxide	ND	1.0	1	
Chlordane	ND	10	1		Methoxychlor	ND	1.0	1	
Dieldrin	ND	1.0	1		Toxaphene	ND	20	1	
2,4'-DDD	ND	1.0	1		Aroclor-1016	ND	10	1	
2,4'-DDE	ND	1.0	1		Aroclor-1221	ND	10	1	
2,4'-DDT	ND	1.0	1		Aroclor-1232	ND	10	1	
4,4'-DDD	ND	1.0	1		Aroclor-1242	ND	10	1	
4,4'-DDE	ND	1.0	1		Aroclor-1248	ND	10	1	
4,4'-DDT	ND	1.0	1		Aroclor-1254	ND	10	1	
Endosulfan I	ND	1.0	1		Aroclor-1260	ND	10	1	
Endosulfan II	ND	1.0	1		Aroclor-1262	ND	10	1	
Endosulfan Sulfate	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2,4,5,6-Tetrachloro-m-Xylene	83	50-130		Decachlorobiphenyl	82	50-130	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC		Date Received:	02/08/07
9210 Sky Park Court, Suite 200		Work Order No:	07-02-0546
San Diego, CA 92123-4302		Preparation:	EPA 3545
		Method:	Organotins by Krone
		Units:	ug/kg

Project: 4151 001025 POLA_B155

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
COMP B155A,B155B	**07-02-0546-4**	**02/08/07**	**Solid**	**GC/MS Y**	**02/19/07**	**02/20/07**	**070219L07**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dibutyltin	28	4.8	1.59		Tetrabutyltin	ND	4.8	1.59	
Monobutyltin	ND	4.8	1.59		Tributyltin	47	4.8	1.59	

Surrogates:	REC (%)	Control Limits	Qual
Tripentyltin	128	50-130	

Method Blank	099-07-016-429	N/A	Solid	GC/MS Y	02/19/07	02/20/07	070219L07

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dibutyltin	ND	3.0	1		Tetrabutyltin	ND	3.0	1	
Monobutyltin	ND	3.0	1		Tributyltin	ND	3.0	1	

Surrogates:	REC (%)	Control Limits	Qual
Tripentyltin	125	50-130	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

AMEC		Date Received:	02/08/07
9210 Sky Park Court, Suite 200		Work Order No:	07-02-0546
San Diego, CA 92123-4302		Preparation:	EPA 3545
		Method:	EPA 8270C SIM
		Units:	ug/kg

Project: 4151 001025 POLA_B155

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
COMP B155A,B155B	**07-02-0546-4**	**02/08/07**	**Solid**	**GC/MS N**	**02/15/07**	**02/21/07**	**070215L09**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
1-Methylnaphthalene	ND	160	7.94		Benzo (g,h,i) Perylene	160	160	7.94	
2,4,5-Trichlorophenol	ND	79	7.94		Benzo (k) Fluoranthene	280	160	7.94	
2,4,6-Trichlorophenol	ND	79	7.94		Bis(2-Ethylhexyl) Phthalate	ND	160	7.94	
2,4-Dichlorophenol	ND	160	7.94		Butyl Benzyl Phthalate	ND	160	7.94	
2,4-Dimethylphenol	ND	160	7.94		Chrysene	690	160	7.94	
2,4-Dinitrophenol	ND	4000	7.94		Di-n-Butyl Phthalate	ND	160	7.94	
2-Chlorophenol	ND	160	7.94		Di-n-Octyl Phthalate	ND	160	7.94	
2-Methylnaphthalene	ND	160	7.94		Dibenz (a,h) Anthracene	ND	160	7.94	
2-Methylphenol	ND	160	7.94		Diethyl Phthalate	ND	160	7.94	
2-Nitrophenol	ND	160	7.94		Dimethyl Phthalate	ND	160	7.94	
3/4-Methylphenol	ND	160	7.94		Fluoranthene	1600	160	7.94	
4,6-Dinitro-2-Methylphenol	ND	4000	7.94		Fluorene	210	160	7.94	
4-Chloro-3-Methylphenol	ND	160	7.94		Indeno (1,2,3-c,d) Pyrene	ND	160	7.94	
4-Nitrophenol	ND	4000	7.94		N-Nitrosodimethylamine	ND	160	7.94	
Acenaphthene	390	160	7.94		Naphthalene	550	160	7.94	
Acenaphthylene	ND	160	7.94		Pentachlorophenol	ND	4000	7.94	
Anthracene	290	160	7.94		Phenanthrene	540	160	7.94	
Benzo (a) Anthracene	610	160	7.94		Phenol	ND	160	7.94	
Benzo (a) Pyrene	580	160	7.94		Pyrene	2100	160	7.94	
Benzo (b) Fluoranthene	820	160	7.94						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2,4,6-Tribromophenol	67	32-143		2-Fluorobiphenyl	57	14-146	
2-Fluorophenol	83	15-138		Nitrobenzene-d5	81	18-162	
p-Terphenyl-d14	113	34-148		Phenol-d6	86	17-141	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC		Date Received:	02/08/07
9210 Sky Park Court, Suite 200		Work Order No:	07-02-0546
San Diego, CA 92123-4302		Preparation:	EPA 3545
		Method:	EPA 8270C SIM
		Units:	ug/kg

Project: 4151 001025 POLA_B155

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**099-12-413-25**	**N/A**	**Solid**	**GC/MS N**	**02/15/07**	**02/20/07**	**070215L09**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
1-Methylnaphthalene	ND	20	1		Benzo (g,h,i) Perylene	ND	20	1	
2,4,5-Trichlorophenol	ND	10	1		Benzo (k) Fluoranthene	ND	20	1	
2,4,6-Trichlorophenol	ND	10	1		Bis(2-Ethylhexyl) Phthalate	ND	20	1	
2,4-Dichlorophenol	ND	20	1		Butyl Benzyl Phthalate	ND	20	1	
2,4-Dimethylphenol	ND	20	1		Chrysene	ND	20	1	
2,4-Dinitrophenol	ND	500	1		Di-n-Butyl Phthalate	ND	20	1	
2-Chlorophenol	ND	20	1		Di-n-Octyl Phthalate	ND	20	1	
2-Methylnaphthalene	ND	20	1		Dibenz (a,h) Anthracene	ND	20	1	
2-Methylphenol	ND	20	1		Diethyl Phthalate	ND	20	1	
2-Nitrophenol	ND	20	1		Dimethyl Phthalate	ND	20	1	
3/4-Methylphenol	ND	20	1		Fluoranthene	ND	20	1	
4,6-Dinitro-2-Methylphenol	ND	500	1		Fluorene	ND	20	1	
4-Chloro-3-Methylphenol	ND	20	1		Indeno (1,2,3-c,d) Pyrene	ND	20	1	
4-Nitrophenol	ND	500	1		N-Nitrosodimethylamine	ND	20	1	
Acenaphthene	ND	20	1		Naphthalene	ND	20	1	
Acenaphthylene	ND	20	1		Pentachlorophenol	ND	500	1	
Anthracene	ND	20	1		Phenanthrene	ND	20	1	
Benzo (a) Anthracene	ND	20	1		Phenol	ND	20	1	
Benzo (a) Pyrene	ND	20	1		Pyrene	ND	20	1	
Benzo (b) Fluoranthene	ND	20	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2,4,6-Tribromophenol	81	32-143		2-Fluorobiphenyl	97	14-146	
2-Fluorophenol	100	15-138		Nitrobenzene-d5	118	18-162	
p-Terphenyl-d14	117	34-148		Phenol-d6	105	17-141	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH

AMEC
9210 Sky Park Court, Suite 200
San Diego, CA 92123-4302

Date Received: 02/08/07
Work Order No: 07-02-0546

Project: 4151 001025 POLA_B155

Client Sample Number	Lab Sample Number	Date Collected	Matrix
COMP B155A,B155B	**07-02-0546-4**	**02/08/07**	**Solid**

Comment(s): (1) Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Solids, Total	62.8	0.100	1		%	N/A	02/13/07	EPA 160.3
Ammonia (as N) (1)	27	0.32	0.064		mg/kg	02/20/07	02/20/07	EPA 350.2M
Sulfide, Total (1)	99	3.2	6.36		mg/kg	02/14/07	02/14/07	EPA 376.2M
Sulfide, Dissolved (1)	ND	0.16	1.59		mg/kg	02/14/07	02/14/07	EPA 376.2M
Carbon, Total Organic (1)	4.0	0.080	1.59		%	N/A	02/16/07	EPA 9060

Method Blank	**N/A**	**Solid**

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Ammonia (as N)	ND	0.20	0.04		mg/kg	02/20/07	02/20/07	EPA 350.2M
Sulfide, Total	ND	0.10	0.2		mg/kg	02/14/07	02/14/07	EPA 376.2M
Sulfide, Dissolved	ND	0.10	1		mg/kg	02/14/07	02/14/07	EPA 376.2M
Carbon, Total Organic	ND	0.050	1		%	N/A	02/16/07	EPA 9060

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

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

AMEC
9210 Sky Park Court, Suite 200
San Diego, CA 92123-4302

Date Received:	02/08/07
Work Order No:	07-02-0546
Preparation:	EPA 3050B
Method:	EPA 6020

Project 4151 001025 POLA_B155

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
COMP B155A,B155B	**Solid**	**ICP/MS A**	**02/13/07**	**02/13/07**	**070213S02**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Arsenic	103	105	80-120	1	0-20	
Cadmium	100	102	80-120	2	0-20	
Chromium	84	101	80-120	5	0-20	
Copper	65	135	80-120	17	0-20	3
Lead	76	141	80-120	14	0-20	3
Nickel	92	100	80-120	4	0-20	
Selenium	93	96	80-120	3	0-20	
Silver	100	102	80-120	2	0-20	
Zinc	4X	4X	80-120	4X	0-20	Q

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

AMEC
9210 Sky Park Court, Suite 200
San Diego, CA 92123-4302

Date Received:	02/08/07
Work Order No:	07-02-0546
Preparation:	Extraction
Method:	EPA 418.1M

Project 4151 001025 POLA_B155

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
07-02-0325-3	**Solid**	**IR #1**	**02/12/07**	**02/12/07**	**070212S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TRPH	100	102	55-135	1	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

AMEC
9210 Sky Park Court, Suite 200
San Diego, CA 92123-4302

Date Received:	02/08/07
Work Order No:	07-02-0546
Preparation:	EPA 7471A Total
Method:	EPA 7471A

Project 4151 001025 POLA_B155

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
COMP B155A,B155B	**Solid**	**Mercury**	**02/19/07**	**02/19/07**	**070219S04**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	78	88	76-136	4	0-16	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH

AMEC
9210 Sky Park Court, Suite 200
San Diego, CA 92123-4302

Date Received:	02/08/07
Work Order No:	07-02-0546
Preparation:	EPA 3545
Method:	EPA 8081A/8082

Project 4151 001025 POLA_B155

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
COMP B155A,B155B	**Solid**	**GC 16**	**02/14/07**	**02/19/07**	**070216S04**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Aldrin	55	48	50-135	14	0-25	3
Alpha-BHC	142	56	50-135	87	0-25	3,4
Beta-BHC	133	0	50-135	200	0-25	4,3
Delta-BHC	106	90	50-135	16	0-25	
Gamma-BHC	49	27	50-135	59	0-25	3,4
Dieldrin	29	27	50-135	8	0-25	3
4,4'-DDD	1727	0	50-135	198	0-25	3,4
4,4'-DDE	0	0	50-135	31	0-25	3,4
4,4'-DDT	1341	401	50-135	108	0-25	3,4
Endosulfan I	1621	1535	50-135	5	0-25	3
Endosulfan II	38	45	50-135	16	0-25	3
Endosulfan Sulfate	60	47	50-135	24	0-25	3
Endrin	143	10	50-135	174	0-25	3,4
Endrin Aldehyde	116	85	50-135	30	0-25	4
Endrin Ketone	56	56	50-135	0	0-25	
Heptachlor	22	0	50-135	197	0-25	3,4
Heptachlor Epoxide	2	247	50-135	197	0-25	3,4
Methoxychlor	388	246	50-135	45	0-25	3,4
Aroclor-1016	168	163	50-135	3	0-25	3
Aroclor-1260	739	631	50-135	16	0-25	3

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

AMEC
9210 Sky Park Court, Suite 200
San Diego, CA 92123-4302

Date Received: 02/08/07
Work Order No: 07-02-0546
Preparation: EPA 3545
Method: Organotins by Krone

Project 4151 001025 POLA_B155

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
COMP B155A,B155B	**Solid**	**GC/MS Y**	**02/19/07**	**02/20/07**	**070219S07**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Tetrabutyltin	92	107	50-130	15	0-20	
Tributyltin	92	106	50-130	10	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH

AMEC
9210 Sky Park Court, Suite 200
San Diego, CA 92123-4302

Date Received:	02/08/07
Work Order No:	07-02-0546
Preparation:	EPA 3545
Method:	EPA 8270C SIM

Project 4151 001025 POLA_B155

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
COMP B155A,B155B	**Solid**	**GC/MS N**	**02/15/07**	**02/22/07**	**070215S09**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
2,4,6-Trichlorophenol	24	27	40-160	10	0-20	3
2,4-Dichlorophenol	22	26	40-160	15	0-20	3
2-Methylphenol	29	33	40-160	14	0-20	3
2-Nitrophenol	22	28	40-160	24	0-20	3,4
4-Chloro-3-Methylphenol	30	33	40-160	9	0-20	3
Acenaphthene	26	34	40-106	22	0-20	3,4
Benzo (a) Pyrene	34	37	17-163	6	0-20	
Chrysene	32	33	17-168	1	0-20	
Di-n-Butyl Phthalate	30	34	40-160	13	0-20	3
Dimethyl Phthalate	29	32	40-160	11	0-20	3
Fluoranthene	40	33	26-137	10	0-20	
Fluorene	27	32	59-121	15	0-20	3
N-Nitrosodimethylamine	26	35	40-160	27	0-20	3,4
Naphthalene	26	33	21-133	19	0-20	
Phenanthrene	28	32	54-120	10	0-20	3
Phenol	27	30	40-160	13	0-20	3
Pyrene	49	34	6-156	18	0-46	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

AMEC
9210 Sky Park Court, Suite 200
San Diego, CA 92123-4302

Date Received: N/A
Work Order No: 07-02-0546

Project: 4151 001025 POLA_B155

Matrix: Solid

Parameter	Method	Quality Control Sample ID	Date Analyzed	Date Extracted	MS% REC	MSD % REC	%REC CL	RPD	RPD CL	Qualifiers
Carbon, Total Organic	EPA 9060	COMP B155A,B155B	02/16/07	N/A	61	65	75-125	3	0-25	3

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

AMEC
9210 Sky Park Court, Suite 200
San Diego, CA 92123-4302

Date Received: N/A
Work Order No: 07-02-0546

Project: 4151 001025 POLA_B155

Matrix: Solid

Parameter	Method	QC Sample ID	Date Analyzed	Sample Conc	DUP Conc	RPD	RPD CL	Qualifiers
Ammonia (as N)	EPA 350.2M	COMP B155A,B155B	02/20/07	27	26	1	0-25	
Sulfide, Total	EPA 376.2M	COMP B155A,B155B	02/14/07	99	97	2	0-25	
Sulfide, Total	EPA 376.2M	COMP B155A,B155B	02/14/07	ND	ND	NA	0-25	
Solids, Total	EPA 160.3	COMP B155A,B155B	02/13/07	62.8	60.0	5	0-25	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

AMEC
9210 Sky Park Court, Suite 200
San Diego, CA 92123-4302

Date Received:	N/A
Work Order No:	07-02-0546
Preparation:	EPA 3050B
Method:	EPA 6020

Project: 4151 001025 POLA_B155

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
096-10-002-803	**Solid**	**ICP/MS A**	**02/13/07**	**02/13/07**	**070213L02**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Arsenic	106	104	80-120	2	0-20	
Cadmium	108	105	80-120	3	0-20	
Chromium	96	105	80-120	9	0-20	
Copper	93	98	80-120	5	0-20	
Lead	102	105	80-120	3	0-20	
Nickel	98	103	80-120	4	0-20	
Selenium	107	101	80-120	6	0-20	
Silver	94	106	80-120	13	0-20	
Zinc	113	105	80-120	8	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Laboratory Control Sample

ACCREDITED IN ACCORDANCE WITH nelac

AMEC
9210 Sky Park Court, Suite 200
San Diego, CA 92123-4302

Date Received:	N/A
Work Order No:	07-02-0546
Preparation:	Extraction
Method:	EPA 418.1M

Project: 4151 001025 POLA_B155

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	Lab File ID	LCS Batch Number
099-07-015-1,078	**Solid**	**IR #1**	**02/12/07**	**NONE**	**070212L01**

Parameter	Conc Added	Conc Recovered	LCS %Rec	%Rec CL	Qualifiers
TRPH	100	105	105	70-130	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

AMEC		Date Received:	N/A
9210 Sky Park Court, Suite 200		Work Order No:	07-02-0546
San Diego, CA 92123-4302		Preparation:	EPA 7471A Total
		Method:	EPA 7471A

Project: 4151 001025 POLA_B155

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-452-20	**Solid**	**Mercury**	**02/19/07**	**02/19/07**	**070219L04**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	92	92	82-124	0	0-16	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

AMEC
9210 Sky Park Court, Suite 200
San Diego, CA 92123-4302

Date Received:	N/A
Work Order No:	07-02-0546
Preparation:	EPA 3545
Method:	EPA 8081A/8082

Project: 4151 001025 POLA_B155

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-07-033-55	**Solid**	**GC 16**	**02/16/07**	**02/19/07**	**070216L04**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Aldrin	80	81	50-135	1	0-25	
Alpha-BHC	82	83	50-135	1	0-25	
Beta-BHC	73	72	50-135	1	0-25	
Delta-BHC	79	80	50-135	1	0-25	
Gamma-BHC	81	82	50-135	1	0-25	
Dieldrin	80	80	50-135	0	0-25	
4,4'-DDD	89	89	50-135	0	0-25	
4,4'-DDE	87	86	50-135	2	0-25	
4,4'-DDT	79	78	50-135	1	0-25	
Endosulfan I	74	75	50-135	1	0-25	
Endosulfan II	77	76	50-135	1	0-25	
Endosulfan Sulfate	70	69	50-135	1	0-25	
Endrin	76	73	50-135	3	0-25	
Endrin Aldehyde	73	72	50-135	0	0-25	
Endrin Ketone	79	76	50-135	4	0-25	
Heptachlor	76	76	50-135	0	0-25	
Heptachlor Epoxide	78	79	50-135	1	0-25	
Methoxychlor	75	72	50-135	4	0-25	
Aroclor-1016	81	76	50-135	7	0-25	
Aroclor-1260	89	85	50-135	4	0-25	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

AMEC
9210 Sky Park Court, Suite 200
San Diego, CA 92123-4302

Date Received:	N/A
Work Order No:	07-02-0546
Preparation:	EPA 3545
Method:	Organotins by Krone

Project: 4151 001025 POLA_B155

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-07-016-429	**Solid**	**GC/MS Y**	**02/19/07**	**02/20/07**	**070219L07**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Tetrabutyltin	88	89	50-130	1	0-20	
Tributyltin	114	111	50-130	2	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH

AMEC		Date Received:	N/A
9210 Sky Park Court, Suite 200		Work Order No:	07-02-0546
San Diego, CA 92123-4302		Preparation:	EPA 3545
		Method:	EPA 8270C SIM

Project: 4151 001025 POLA_B155

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-413-25	**Solid**	**GC/MS N**	**02/15/07**	**02/20/07**	**070215L09**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
2,4,6-Trichlorophenol	92	90	40-160	3	0-20	
2,4-Dichlorophenol	90	87	40-160	4	0-20	
2-Methylphenol	117	116	40-160	1	0-20	
2-Nitrophenol	90	109	40-160	19	0-20	
4-Chloro-3-Methylphenol	100	98	40-160	3	0-20	
Acenaphthene	79	77	48-108	2	0-11	
Benzo (a) Pyrene	103	102	17-163	1	0-20	
Chrysene	94	96	17-168	2	0-20	
Di-n-Butyl Phthalate	107	101	40-160	6	0-20	
Dimethyl Phthalate	102	99	40-160	3	0-20	
Fluoranthene	101	99	26-137	2	0-20	
Fluorene	94	92	59-121	2	0-20	
N-Nitrosodimethylamine	53	57	40-160	7	0-20	
Naphthalene	73	71	21-133	2	0-20	
Phenanthrene	95	94	54-120	1	0-20	
Phenol	53	52	40-160	2	0-20	
Pyrene	106	103	28-106	3	0-16	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

AMEC
9210 Sky Park Court, Suite 200
San Diego, CA 92123-4302

Date Received: N/A
Work Order No: 07-02-0546

Project: 4151 001025 POLA_B155

Matrix: Solid

Parameter	Method	Quality Control Sample ID	Date Extracted	Date Analyzed	LCS % REC	LCSD % REC	%REC CL	RPD	RPD CL	Qual
Carbon, Total Organic	EPA 9060	099-06-013-214	N/A	02/16/07	92	94	80-120	2	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 07-02-0546

Qualifier	Definition
*	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.

CALSCIENCE ENVIRONMENTAL
LABORATORIES, INC.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 • FAX: (714) 894-7501

CHAIN OF CUSTODY RECORD

Date 8 FEB 07

Page 1 of 1

LABORATORY CLIENT: AMEC

ADDRESS: 9210 Sky Park Ct

CITY: San Diego STATE: CA ZIP: 92123

TEL: 858 300 4321 E-MAIL: nicholas.bulbe@amec.com

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 10 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY): ☐ RWQCB REPORTING FORMS ☐ COELT EDF ☐

SPECIAL INSTRUCTIONS:
Prepare composite of B155A & B155B and test for bulk sediment and elutriate tests (using B155W); also test site water; retain separate archive of B155A & B155B analyses attached

CLIENT PROJECT NAME / NUMBER: 4151 001025 POLA_B155

P.O. NO.:

PROJECT CONTACT: Nick Bulbe

LAB USE ONLY: 02-0546

SAMPLER(S): (PRINT)

COELT LOG CODE

COOLER RECEIPT: TEMP = °C

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	FIELD POINT NAME (FOR COELT EDF)	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH (G)	TPH (D) or	BTEX / MTBE (8260B) or	OXYGENATES (8260B)	VOCs (8260B)	5035 ENCORE PREP	SVOCs (8270C)	PEST (8081A)	PCBs (8082)	CAC, T22 METALS (6010B) / 747	PNAs (8310) or (8270C)	VOCs (TO-14A) or (TO-15)	TPH(G) (TO-3M)
	B155A		8 FEB 07	1215	SED	3													
	B155B		8FEB07	1305	SED	5													
	B155W		8FEB07	1405	SEA H_2O	2													

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
[signature]	[signature] (CEL)	01/08/07	1657
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

DISTRIBUTION: White with final report, Green and Yellow to Client.
Please note that pages 1 and 2 of 2 of our T/Cs are printed on the reverse side of the Green and Yellow copies respectively.

05/10/06 Revision

Q&Q Graphic 714-898-9702

Table 3. Chemical Analyses for Sediment Samples

Analyte	Units	Analysis Method	Sediment Target Detection Limits[a,b]
~~Grain Size~~	~~Percent~~	~~ASTM 1967~~	0.1
Total solids	Percent	160.3	0.1
Total organic carbon	Percent	9060	0.01
Total ammonia	mg/kg	350.2M[c]	0.2
Total & soluble sulfides	mg/kg	376.2M[c]	0.1
Arsenic	mg/kg	6020[d]	0.1
Cadmium	mg/kg	6020[d]	0.1
Chromium 6020 Sed.	mg/kg	6020[d]	0.1
Copper	mg/kg	6020[d]	0.1
Lead	mg/kg	6020[d]	5.0
Mercury — Sed.	mg/kg	7471A[d]	0.02
Nickel	mg/kg	6020[d]	0.1
Selenium 6020 Sed.	mg/kg	6020[d]	0.1
Silver	mg/kg	6020[d]	0.2
Zinc	mg/kg	6020[d]	2.0
TRPH	mg/kg	418.1M[d]	5.0
PAHs[e] 8270 SIM Full	µg/kg	8270C[d]	20
"MB" Sed. Organochlorine Pesticides[f]	µg/kg	8081A[d]	0.5 – 30
PCBs[g]	µg/kg	8082[d]	20
Phenols 8270 SIM Full	µg/kg	8270C[d]	20 – 100
Phthalates "	µg/kg	8270C[d]	10
Organotins	µg/kg	Rice/Krone[h]	1.0

[a] Sediment minimum detection limits are on a dry-weight basis.
[b] Reporting limits provided by Calscience Environmental Laboratories, Inc.
[c] Standard Methods for the Examination of Water and Wastewater, 19th Edition (APHA, 1995).
[d] EPA 1986-1996. SW -846. Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition.
[e] Includes naphthalene, acenaphthylene, acenaphthene, fluorene, phenanthrene, fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo(b,k)fluoranthene, benzo(a)pyrene, indeno(1,2,3-c,d)pyrene, dibenzo(a,h)anthracene, benzo(g,h,i)perylene.
[f] Includes aldrin, α-BHC, β-BHC, γ-BHC (lindane), δ-BHC, chlordane, 2,4- & 4,4-DDD, 2,4- & 4,4-DDE, 4,4-DDT, dieldrin, endosulfan I and II, endosulfan sulfate, endrin, endrin aldehyde, heptachlor, heptachlor epoxide, and toxaphene.
[g] Includes Aroclors 1016, 1221, 1232, 1242, 1248, 1254, 1260, and 1262.
[h] Rice, C.D. et al. 1987 or Krone et al. 1989)

PAH – polycyclic aromatic hydrocarbon
PCB – polychlorinated biphenyl
TRPH – total recoverable petroleum hydrocarbons
mg/kg – milligrams per kilogram (parts per million)
µg/kg – micrograms per kilogram (parts per billion)

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 07 - 0 2 - 0 5 4 6

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: AMEC

DATE: 02.08.07

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):

_____ °C Temperature blank.
3.8 °C IR thermometer.
_____ Ambient temperature.

Initial: [illegible]

CUSTODY SEAL INTACT:

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

Initial: [illegible]

SAMPLE CONDITION:

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

Initial: [illegible]

COMMENTS:

Sample (-1) B155a received 5 containers (3 stated on COC).
Sample (-2) B155B received 3 containers (5 stated on COC) [illegible]
02.09.07

Calscience Environmental Laboratories, Inc.

March 14, 2007

Kevin Sommelet
Tetra Tech, Inc.
3475 East Foothill Blvd., Suite 300
Pasadena, CA 91107-6024

Subject: **Calscience Work Order No.: 07-03-0026**
Client Reference: POLA_B155

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 3/1/2007 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,

for

Calscience Environmental
Laboratories, Inc.
Jason Torres
Project Manager

Calscience Environmental Laboratories, Inc.

CASE NARRATIVE

Calscience Work Order No.: 07-03-0026

Provided below is a narrative of our analytical effort, including any unique features or anomalies that were encountered as part of the analysis of the marine sediment and soil samples.

Sample Condition on Receipt

Two marine sediment samples and two soil samples were received for this project on March 1, 2007. The samples were housed in glass jars. All samples were transferred to the laboratory in an ice-chest with wet ice, following strict chain-of-custody (COC) procedures. The temperature of the samples upon receipt at the laboratory was 3.8°C. The samples were logged into the Laboratory Information Management System (LIMS), given laboratory identification numbers, and stored in refrigeration units pending analysis. Testing was performed in accordance with pre-established testing methods and compound lists.

No sample receiving anomalies were noted.

Data Summary

As directed by the client and the COC, a composite of the two marine sediment samples and a composite of the two soil samples was made to create individual sediment and soil samples for analysis.

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, with the exception of arsenic. For arsenic, a minor concentration was found in the method blank. However, concentrations in the

samples were significantly higher than the blank, and thus the data should be unaffected by the blank value. Regardless, the data has been flagged with a B qualifier.

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 were performed at required frequencies. Spiking was performed only on the sample analyzed for this project. The MS/MSD recoveries and RPDs for all testing were within acceptable limits, with the following exceptions.

For the metals by EPA 6020, the matrix spike and/or matrix spike duplicate (MS/MSD) recoveries for arsenic, chromium, lead, nickel, and zinc fell above the established control limit for the metals. In addition, the duplicate RPD for lead was above the control limit. However, the corresponding LCS/LCSD recoveries and RPDs were in control, indicating a matrix interference effect, and thus the data is released with no further action

For the Carbon Range by EPA 8015B(M), the MS/MSD recoveries fell well above the established control limit. However, the corresponding LCS/LCSD recoveries were in control, indicating a matrix interference effect, and the data is thus released with no further qualification.

For the organochlorine pesticides/PCBs by EPA 8081A/8082, many of the compounds showed matrix spike recoveries outside of the established control limits for those compounds. Also, the duplicate RPDs for DDT and Endrin Aldehyde were above control limits. The matrix was particularly challenging with heavy hydrocarbon interference. However, the associated LCS/LCSD recoveries and RPDs for these compounds were within control limits, indicating a matrix interference effect, and the data is released with no further qualification.

Finally, for the SVOCs by EPA 8270C SIM, the MS/MSD recoveries for several compounds fell outside the established control limits. In addition, the duplicate RPDs for all of the compounds fell above the established control limit. However, since the corresponding LCS/LCSD recoveries and RPDs for all compounds were in control, a matrix interference effect is apparent, the data is released with no further qualification.

Surrogates

Surrogate recoveries for all applicable tests and samples were within acceptable control limits, with the exception of p-Terphenyl-d14, one of the surrogate compounds for EPA 8270C SIM. The surrogate was above the established control limit. However, because of matrix effects and the fact that the surrogate was in control for the method blank, the data is released with no further qualification.

Acronyms

MS/MSD: Matrix Spike/Matrix Spike Duplicate
LCS/LCSD: Laboratory Control Sample/Laboratory Control Sample Duplicate
RPD: Relative Percent Difference

Calscience Environmental Laboratories, Inc.

Analytical Report

Tetra Tech, Inc.		Date Received:	03/01/07
3475 East Foothill Blvd., Suite 300		Work Order No:	07-03-0026
Pasadena, CA 91107-6024		Preparation:	EPA 3050B
		Method:	EPA 6020
		Units:	mg/kg
Project: POLA_B155			Page 1 of 1

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
COMP (Tt-B155-1-2, Tt-B155-2-2)	**07-03-0026-5**	**03/01/07**	**Solid**	**ICP/MS A**	**03/08/07**	**03/09/07**	**070308L01**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	4.30	0.118	1.18	B	Nickel	11.7	0.118	1.18	
Cadmium	ND	0.118	1.18		Selenium	0.743	0.588	1.18	
Chromium	13.9	0.118	1.18		Silver	ND	0.118	1.18	
Copper	14.7	0.118	1.18		Zinc	41.3	0.588	1.18	
Lead	3.47	0.118	1.18						

COMP (Tt-B155-1-1, Tt-B155-2-1)	**07-03-0026-6**	**03/01/07**	**Solid**	**ICP/MS A**	**03/08/07**	**03/09/07**	**070308L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	3.09	0.100	1	B	Nickel	7.50	0.100	1	
Cadmium	ND	0.100	1		Selenium	0.717	0.500	1	
Chromium	10.1	0.100	1		Silver	ND	0.100	1	
Copper	7.99	0.100	1		Zinc	27.4	0.500	1	
Lead	8.73	0.100	1						

Method Blank	**096-10-002-815**	**N/A**	**Solid**	**ICP/MS A**	**03/08/07**	**03/08/07**	**070308L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	0.168	0.100	1		Nickel	ND	0.100	1	
Cadmium	ND	0.100	1		Selenium	ND	0.500	1	
Chromium	ND	0.100	1		Silver	ND	0.100	1	
Copper	ND	0.100	1		Zinc	ND	0.500	1	
Lead	ND	0.100	1						

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Tetra Tech, Inc.		Date Received:	03/01/07
3475 East Foothill Blvd., Suite 300		Work Order No:	07-03-0026
Pasadena, CA 91107-6024		Preparation:	Extraction
		Method:	EPA 418.1M

Project: POLA_B155

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
COMP (Tt-B155-1-2, Tt-B155-2-2)	**07-03-0026-5**	**03/01/07**	**Solid**	**IR #1**	**03/02/07**	**03/02/07**	**070302L01**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Units
TRPH	ND	10	1		mg/kg

Method Blank	**099-07-015-1,090**	**N/A**	**Solid**	**IR #1**	**03/02/07**	**03/02/07**	**070302L01**

Parameter	Result	RL	DF	Qual	Units
TRPH	ND	10	1		mg/kg

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Tetra Tech, Inc.		Date Received:	03/01/07
3475 East Foothill Blvd., Suite 300		Work Order No:	07-03-0026
Pasadena, CA 91107-6024		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
		Units:	mg/kg
Project: POLA_B155			Page 1 of 1

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
COMP (Tt-B155-1-1, Tt-B155-2-1)	**07-03-0026-6**	**03/01/07**	**Solid**	**GC 6**	**03/05/07**	**03/06/07**	**070305B07**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C7	ND		40		C21-C22	15		40	
C8	ND		40		C23-C24	25		40	
C9-C10	ND		40		C25-C28	160		40	
C11-C12	ND		40		C29-C32	400		40	
C13-C14	ND		40		C33-C36	480		40	
C15-C16	ND		40		C37-C40	600		40	
C17-C18	ND		40		C41-C44	620		40	
C19-C20	0.30		40		C7-C44 Total	2300	200	40	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	118	61-145	

Method Blank	**099-12-275-435**	**N/A**	**Solid**	**GC 6**	**03/05/07**	**03/05/07**	**070305B07**

Parameter	Result	RL	DF	Qual
TPH as Diesel	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	106	61-145	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Tetra Tech, Inc.
3475 East Foothill Blvd., Suite 300
Pasadena, CA 91107-6024

Date Received:	03/01/07
Work Order No:	07-03-0026
Preparation:	EPA 7471A Total
Method:	EPA 7471A

Project: POLA_B155

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
COMP (Tt-B155-1-2, Tt-B155-2-2)	**07-03-0026-5**	**03/01/07**	**Solid**	**Mercury**	**03/08/07**	**03/08/07**	**070308L03**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Units
Mercury	0.187	0.0247	1.23		mg/kg

COMP (Tt-B155-1-1, Tt-B155-2-1)	**07-03-0026-6**	**03/01/07**	**Solid**	**Mercury**	**03/08/07**	**03/08/07**	**070308L03**

Parameter	Result	RL	DF	Qual	Units
Mercury	0.0357	0.0200	1		mg/kg

Method Blank	**099-12-452-23**	**N/A**	**Solid**	**Mercury**	**03/08/07**	**03/08/07**	**070308L03**

Parameter	Result	RL	DF	Qual	Units
Mercury	ND	0.0200	1		mg/kg

Method Blank	**099-04-007-4,451**	**N/A**	**Solid**	**Mercury**	**03/05/07**	**03/05/07**	**070305L02**

Parameter	Result	RL	DF	Qual	Units
Mercury	ND	0.0835	1		mg/kg

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Tetra Tech, Inc.
3475 East Foothill Blvd., Suite 300
Pasadena, CA 91107-6024

Date Received:	03/01/07
Work Order No:	07-03-0026
Preparation:	EPA 3545
Method:	EPA 8081A/8082
Units:	ug/kg

Project: POLA_B155

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
COMP (Tt-B155-1-2, Tt-B155-2-2)	**07-03-0026-5**	**03/01/07**	**Solid**	**GC 16**	**03/05/07**	**03/08/07**	**070305L07**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Aldrin	ND	1.2	1.23		Endrin	ND	1.2	1.23	
Alpha-BHC	ND	1.2	1.23		Endrin Aldehyde	ND	1.2	1.23	
Beta-BHC	ND	1.2	1.23		Endrin Ketone	ND	1.2	1.23	
Delta-BHC	ND	1.2	1.23		Heptachlor	ND	1.2	1.23	
Gamma-BHC	ND	1.2	1.23		Heptachlor Epoxide	ND	1.2	1.23	
Chlordane	ND	12	1.23		Methoxychlor	ND	1.2	1.23	
Dieldrin	ND	1.2	1.23		Toxaphene	ND	25	1.23	
2,4'-DDD	ND	1.2	1.23		Aroclor-1016	ND	12	1.23	
2,4'-DDE	ND	1.2	1.23		Aroclor-1221	ND	12	1.23	
2,4'-DDT	ND	1.2	1.23		Aroclor-1232	ND	12	1.23	
4,4'-DDD	ND	1.2	1.23		Aroclor-1242	ND	12	1.23	
4,4'-DDE	ND	1.2	1.23		Aroclor-1248	ND	12	1.23	
4,4'-DDT	ND	1.2	1.23		Aroclor-1254	ND	12	1.23	
Endosulfan I	ND	1.2	1.23		Aroclor-1260	ND	12	1.23	
Endosulfan II	ND	1.2	1.23		Aroclor-1262	ND	12	1.23	
Endosulfan Sulfate	ND	1.2	1.23						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2,4,5,6-Tetrachloro-m-Xylene	97	50-130		Decachlorobiphenyl	94	50-130	

COMP (Tt-B155-1-1, Tt-B155-2-1)	**07-03-0026-6**	**03/01/07**	**Solid**	**GC 16**	**03/05/07**	**03/08/07**	**070305L07**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Aldrin	ND	1.0	1		Endrin	ND	1.0	1	
Alpha-BHC	ND	1.0	1		Endrin Aldehyde	ND	1.0	1	
Beta-BHC	ND	1.0	1		Endrin Ketone	ND	1.0	1	
Delta-BHC	ND	1.0	1		Heptachlor	ND	1.0	1	
Gamma-BHC	ND	1.0	1		Heptachlor Epoxide	ND	1.0	1	
Chlordane	ND	10	1		Methoxychlor	ND	1.0	1	
Dieldrin	ND	1.0	1		Toxaphene	ND	20	1	
2,4'-DDD	ND	1.0	1		Aroclor-1016	ND	10	1	
2,4'-DDE	ND	1.0	1		Aroclor-1221	ND	10	1	
2,4'-DDT	1.8	1.0	1		Aroclor-1232	ND	10	1	
4,4'-DDD	ND	1.0	1		Aroclor-1242	ND	10	1	
4,4'-DDE	5.0	1.0	1		Aroclor-1248	ND	10	1	
4,4'-DDT	4.1	1.0	1		Aroclor-1254	ND	10	1	
Endosulfan I	ND	1.0	1		Aroclor-1260	ND	10	1	
Endosulfan II	ND	1.0	1		Aroclor-1262	ND	10	1	
Endosulfan Sulfate	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2,4,5,6-Tetrachloro-m-Xylene	66	50-130		Decachlorobiphenyl	73	50-130	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Tetra Tech, Inc.		Date Received:	03/01/07
3475 East Foothill Blvd., Suite 300		Work Order No:	07-03-0026
Pasadena, CA 91107-6024		Preparation:	EPA 3545
		Method:	EPA 8081A/8082
		Units:	ug/kg
Project: POLA_B155			Page 2 of 2

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**099-07-033-60**	**N/A**	**Solid**	**GC 16**	**03/05/07**	**03/07/07**	**070305L07**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Aldrin	ND	1.0	1		Endrin	ND	1.0	1	
Alpha-BHC	ND	1.0	1		Endrin Aldehyde	ND	1.0	1	
Beta-BHC	ND	1.0	1		Endrin Ketone	ND	1.0	1	
Delta-BHC	ND	1.0	1		Heptachlor	ND	1.0	1	
Gamma-BHC	ND	1.0	1		Heptachlor Epoxide	ND	1.0	1	
Chlordane	ND	10	1		Methoxychlor	ND	1.0	1	
Dieldrin	ND	1.0	1		Toxaphene	ND	20	1	
2,4'-DDD	ND	1.0	1		Aroclor-1016	ND	10	1	
2,4'-DDE	ND	1.0	1		Aroclor-1221	ND	10	1	
2,4'-DDT	ND	1.0	1		Aroclor-1232	ND	10	1	
4,4'-DDD	ND	1.0	1		Aroclor-1242	ND	10	1	
4,4'-DDE	ND	1.0	1		Aroclor-1248	ND	10	1	
4,4'-DDT	ND	1.0	1		Aroclor-1254	ND	10	1	
Endosulfan I	ND	1.0	1		Aroclor-1260	ND	10	1	
Endosulfan II	ND	1.0	1		Aroclor-1262	ND	10	1	
Endosulfan Sulfate	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2,4,5,6-Tetrachloro-m-Xylene	93	50-130		Decachlorobiphenyl	88	50-130	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Tetra Tech, Inc.		Date Received:	03/01/07
3475 East Foothill Blvd., Suite 300		Work Order No:	07-03-0026
Pasadena, CA 91107-6024		Preparation:	EPA 3545
		Method:	Organotins by Krone et al.
		Units:	ug/kg
Project: POLA_B155			Page 1 of 1

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
COMP (Tt-B155-1-2, Tt-B155-2-2)	**07-03-0026-5**	**03/01/07**	**Solid**	**GC/MS Y**	**03/07/07**	**03/11/07**	**070307L10**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dibutyltin	ND	3.7	1.23		Tetrabutyltin	ND	3.7	1.23	
Monobutyltin	ND	3.7	1.23		Tributyltin	ND	3.7	1.23	

Surrogates:	REC (%)	Control Limits	Qual
Tripentyltin	120	50-130	

Method Blank	**099-07-016-434**	**N/A**	**Solid**	**GC/MS Y**	**03/07/07**	**03/12/07**	**070307L10**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dibutyltin	ND	3.0	1		Tetrabutyltin	ND	3.0	1	
Monobutyltin	ND	3.0	1		Tributyltin	ND	3.0	1	

Surrogates:	REC (%)	Control Limits	Qual
Tripentyltin	114	50-130	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Tetra Tech, Inc.
3475 East Foothill Blvd., Suite 300
Pasadena, CA 91107-6024

Date Received:	03/01/07
Work Order No:	07-03-0026
Preparation:	EPA 5030B
Method:	EPA 8260B
Units:	ug/kg

Project: POLA_B155

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
COMP (Tt-B155-1-1, Tt-B155-2-1)	**07-03-0026-6**	**03/01/07**	**Solid**	**GC/MS Z**	**03/05/07**	**03/06/07**	**070305L03**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		1,3-Dichloropropane	ND	5.0	1	
Benzene	ND	5.0	1		2,2-Dichloropropane	ND	5.0	1	
Bromobenzene	ND	5.0	1		1,1-Dichloropropene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		c-1,3-Dichloropropene	ND	5.0	1	
Bromodichloromethane	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromoform	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromomethane	ND	25	1		2-Hexanone	ND	50	1	
2-Butanone	ND	50	1		Isopropylbenzene	ND	5.0	1	
n-Butylbenzene	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
sec-Butylbenzene	ND	5.0	1		Methylene Chloride	ND	50	1	
tert-Butylbenzene	ND	5.0	1		4-Methyl-2-Pentanone	ND	50	1	
Carbon Disulfide	ND	50	1		Naphthalene	ND	50	1	
Carbon Tetrachloride	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Styrene	ND	5.0	1	
Chloroethane	ND	5.0	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Chloroform	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chloromethane	ND	25	1		Tetrachloroethene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		Toluene	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Dibromochloromethane	ND	5.0	1		1,2,4-Trichlorobenzene	ND	5.0	1	
1,2-Dibromo-3-Chloropropane	ND	10	1		1,1,1-Trichloroethane	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichloroethene	ND	5.0	1	
1,3-Dichlorobenzene	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
Dichlorodifluoromethane	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,1-Dichloroethane	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Vinyl Acetate	ND	50	1	
1,1-Dichloroethene	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
c-1,2-Dichloroethene	ND	5.0	1		p/m-Xylene	ND	5.0	1	
t-1,2-Dichloroethene	ND	5.0	1		o-Xylene	ND	5.0	1	
1,2-Dichloropropane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	88	73-139		1,2-Dichloroethane-d4	111	73-145	
Toluene-d8	96	90-108		1,4-Bromofluorobenzene	97	71-113	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Tetra Tech, Inc.
3475 East Foothill Blvd., Suite 300
Pasadena, CA 91107-6024

Date Received:	03/01/07
Work Order No:	07-03-0026
Preparation:	EPA 5030B
Method:	EPA 8260B
Units:	ug/kg

Project: POLA_B155

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**099-10-005-13,437**	**N/A**	**Solid**	**GC/MS Z**	**03/05/07**	**03/06/07**	**070305L03**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		1,3-Dichloropropane	ND	5.0	1	
Benzene	ND	5.0	1		2,2-Dichloropropane	ND	5.0	1	
Bromobenzene	ND	5.0	1		1,1-Dichloropropene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		c-1,3-Dichloropropene	ND	5.0	1	
Bromodichloromethane	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromoform	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromomethane	ND	25	1		2-Hexanone	ND	50	1	
2-Butanone	ND	50	1		Isopropylbenzene	ND	5.0	1	
n-Butylbenzene	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
sec-Butylbenzene	ND	5.0	1		Methylene Chloride	ND	50	1	
tert-Butylbenzene	ND	5.0	1		4-Methyl-2-Pentanone	ND	50	1	
Carbon Disulfide	ND	50	1		Naphthalene	ND	50	1	
Carbon Tetrachloride	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Styrene	ND	5.0	1	
Chloroethane	ND	5.0	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Chloroform	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chloromethane	ND	25	1		Tetrachloroethene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		Toluene	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Dibromochloromethane	ND	5.0	1		1,2,4-Trichlorobenzene	ND	5.0	1	
1,2-Dibromo-3-Chloropropane	ND	10	1		1,1,1-Trichloroethane	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichloroethene	ND	5.0	1	
1,3-Dichlorobenzene	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
Dichlorodifluoromethane	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,1-Dichloroethane	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Vinyl Acetate	ND	50	1	
1,1-Dichloroethene	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
c-1,2-Dichloroethene	ND	5.0	1		p/m-Xylene	ND	5.0	1	
t-1,2-Dichloroethene	ND	5.0	1		o-Xylene	ND	5.0	1	
1,2-Dichloropropane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	100	73-139		1,2-Dichloroethane-d4	104	73-145	
Toluene-d8	98	90-108		1,4-Bromofluorobenzene	98	71-113	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Tetra Tech, Inc.		Date Received:	03/01/07
3475 East Foothill Blvd., Suite 300		Work Order No:	07-03-0026
Pasadena, CA 91107-6024		Preparation:	EPA 3545
		Method:	EPA 8270C SIM
		Units:	ug/kg
Project: POLA_B155			Page 1 of 2

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
COMP (Tt-B155-1-2, Tt-B155-2-2)	**07-03-0026-5**	**03/01/07**	**Solid**	**GC/MS N**	**03/05/07**	**03/09/07**	**070305L08**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
1-Methylnaphthalene	ND	25	1.23		Benzo (g,h,i) Perylene	ND	25	1.23	
2,4,5-Trichlorophenol	ND	12	1.23		Benzo (k) Fluoranthene	ND	25	1.23	
2,4,6-Trichlorophenol	ND	12	1.23		Bis(2-Ethylhexyl) Phthalate	25	25	1.23	
2,4-Dichlorophenol	ND	25	1.23		Butyl Benzyl Phthalate	31	25	1.23	
2,4-Dimethylphenol	ND	25	1.23		Chrysene	ND	25	1.23	
2,4-Dinitrophenol	ND	620	1.23		Di-n-Butyl Phthalate	ND	25	1.23	
2-Chlorophenol	ND	25	1.23		Di-n-Octyl Phthalate	ND	25	1.23	
2-Methylnaphthalene	ND	25	1.23		Dibenz (a,h) Anthracene	ND	25	1.23	
2-Methylphenol	ND	25	1.23		Diethyl Phthalate	ND	25	1.23	
2-Nitrophenol	ND	25	1.23		Dimethyl Phthalate	ND	25	1.23	
3/4-Methylphenol	ND	25	1.23		Fluoranthene	ND	25	1.23	
4,6-Dinitro-2-Methylphenol	ND	620	1.23		Fluorene	ND	25	1.23	
4-Chloro-3-Methylphenol	ND	25	1.23		Indeno (1,2,3-c,d) Pyrene	ND	25	1.23	
4-Nitrophenol	ND	620	1.23		N-Nitrosodimethylamine	ND	25	1.23	
Acenaphthene	ND	25	1.23		Naphthalene	ND	25	1.23	
Acenaphthylene	ND	25	1.23		Pentachlorophenol	ND	620	1.23	
Anthracene	ND	25	1.23		Phenanthrene	ND	25	1.23	
Benzo (a) Anthracene	ND	25	1.23		Phenol	ND	25	1.23	
Benzo (a) Pyrene	ND	25	1.23		Pyrene	ND	25	1.23	
Benzo (b) Fluoranthene	ND	25	1.23						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2,4,6-Tribromophenol	83	32-143		2-Fluorobiphenyl	82	14-146	
2-Fluorophenol	83	15-138		Nitrobenzene-d5	94	18-162	
p-Terphenyl-d14	117	34-148		Phenol-d6	79	17-141	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Tetra Tech, Inc.		Date Received:	03/01/07
3475 East Foothill Blvd., Suite 300		Work Order No:	07-03-0026
Pasadena, CA 91107-6024		Preparation:	EPA 3545
		Method:	EPA 8270C SIM
		Units:	ug/kg
Project: POLA_B155			Page 2 of 2

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**099-12-413-31**	**N/A**	**Solid**	**GC/MS N**	**03/05/07**	**03/08/07**	**070305L08**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
1-Methylnaphthalene	ND	20	1		Benzo (g,h,i) Perylene	ND	20	1	
2,4,5-Trichlorophenol	ND	10	1		Benzo (k) Fluoranthene	ND	20	1	
2,4,6-Trichlorophenol	ND	10	1		Bis(2-Ethylhexyl) Phthalate	ND	20	1	
2,4-Dichlorophenol	ND	20	1		Butyl Benzyl Phthalate	ND	20	1	
2,4-Dimethylphenol	ND	20	1		Chrysene	ND	20	1	
2,4-Dinitrophenol	ND	500	1		Di-n-Butyl Phthalate	ND	20	1	
2-Chlorophenol	ND	20	1		Di-n-Octyl Phthalate	ND	20	1	
2-Methylnaphthalene	ND	20	1		Dibenz (a,h) Anthracene	ND	20	1	
2-Methylphenol	ND	20	1		Diethyl Phthalate	ND	20	1	
2-Nitrophenol	ND	20	1		Dimethyl Phthalate	ND	20	1	
3/4-Methylphenol	ND	20	1		Fluoranthene	ND	20	1	
4,6-Dinitro-2-Methylphenol	ND	500	1		Fluorene	ND	20	1	
4-Chloro-3-Methylphenol	ND	20	1		Indeno (1,2,3-c,d) Pyrene	ND	20	1	
4-Nitrophenol	ND	500	1		N-Nitrosodimethylamine	ND	20	1	
Acenaphthene	ND	20	1		Naphthalene	ND	20	1	
Acenaphthylene	ND	20	1		Pentachlorophenol	ND	500	1	
Anthracene	ND	20	1		Phenanthrene	ND	20	1	
Benzo (a) Anthracene	ND	20	1		Phenol	ND	20	1	
Benzo (a) Pyrene	ND	20	1		Pyrene	ND	20	1	
Benzo (b) Fluoranthene	ND	20	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2,4,6-Tribromophenol	72	32-143		2-Fluorobiphenyl	78	14-146	
2-Fluorophenol	81	15-138		Nitrobenzene-d5	87	18-162	
p-Terphenyl-d14	93	34-148		Phenol-d6	78	17-141	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Tetra Tech, Inc.		Date Received:	03/01/07
3475 East Foothill Blvd., Suite 300		Work Order No:	07-03-0026
Pasadena, CA 91107-6024		Preparation:	EPA 3545
		Method:	EPA 8270C SIM
		Units:	ug/kg
Project: POLA_B155			Page 1 of 1

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
COMP (Tt-B155-1-1, Tt-B155-2-1)	**07-03-0026-6**	**03/01/07**	**Solid**	**GC/MS N**	**03/05/07**	**03/09/07**	**070305L08**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acenaphthene	ND	20	1		Dibenz (a,h) Anthracene	ND	20	1	
Acenaphthylene	ND	20	1		Fluoranthene	ND	20	1	
Anthracene	ND	20	1		Fluorene	ND	20	1	
Benzo (a) Anthracene	ND	20	1		Indeno (1,2,3-c,d) Pyrene	ND	20	1	
Benzo (a) Pyrene	30	20	1		Naphthalene	ND	20	1	
Benzo (b) Fluoranthene	ND	20	1		Pentachlorophenol	ND	500	1	
Benzo (g,h,i) Perylene	25	20	1		Phenanthrene	27	20	1	
Benzo (k) Fluoranthene	ND	20	1		Phenol	ND	20	1	
Chrysene	81	20	1		Pyrene	660	20	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2,4,6-Tribromophenol	127	32-143		2-Fluorobiphenyl	73	14-146	
2-Fluorophenol	110	15-138		Nitrobenzene-d5	54	18-162	
p-Terphenyl-d14	172	34-148	2	Phenol-d6	107	17-141	

Method Blank	**099-12-413-31**	**N/A**	**Solid**	**GC/MS N**	**03/05/07**	**03/08/07**	**070305L08**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acenaphthene	ND	20	1		Dibenz (a,h) Anthracene	ND	20	1	
Acenaphthylene	ND	20	1		Fluoranthene	ND	20	1	
Anthracene	ND	20	1		Fluorene	ND	20	1	
Benzo (a) Anthracene	ND	20	1		Indeno (1,2,3-c,d) Pyrene	ND	20	1	
Benzo (a) Pyrene	ND	20	1		Naphthalene	ND	20	1	
Benzo (b) Fluoranthene	ND	20	1		Pentachlorophenol	ND	500	1	
Benzo (g,h,i) Perylene	ND	20	1		Phenanthrene	ND	20	1	
Benzo (k) Fluoranthene	ND	20	1		Phenol	ND	20	1	
Chrysene	ND	20	1		Pyrene	ND	20	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2,4,6-Tribromophenol	72	32-143		2-Fluorobiphenyl	78	14-146	
2-Fluorophenol	81	15-138		Nitrobenzene-d5	87	18-162	
p-Terphenyl-d14	93	34-148		Phenol-d6	78	17-141	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Tetra Tech, Inc.
3475 East Foothill Blvd., Suite 300
Pasadena, CA 91107-6024

Date Received: 03/01/07
Work Order No: 07-03-0026

Project: POLA_B155

Client Sample Number	Lab Sample Number	Date Collected	Matrix
COMP (Tt-B155-1-2, Tt-B155-2-2)	**07-03-0026-5**	**03/01/07**	**Solid**

Comment(s): (1) Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Solids, Total	81.1	0.100	1		%	N/A	03/06/07	EPA 160.3
Ammonia (as N) (1)	3.1	0.25	0.049		mg/kg	03/05/07	03/06/07	EPA 350.2M
Sulfide, Dissolved (1)	ND	0.12	0.248		mg/kg	03/06/07	03/06/07	EPA 376.2M
Sulfide, Total (1)	2.1	0.12	1.24		mg/kg	03/06/07	03/06/07	EPA 376.2M
Carbon, Total Organic (1)	5500	620	1.24		mg/kg	N/A	03/05/07	EPA 9060

COMP (Tt-B155-1-1, Tt-B155-2-1)	**07-03-0026-6**	**03/01/07**	**Solid**

Comment(s): (1) Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Solids, Total	94.2	0.100	1		%	N/A	03/06/07	EPA 160.3

Method Blank		**N/A**	**Solid**

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Ammonia (as N)	ND	0.20	0.04		mg/kg	03/05/07	03/06/07	EPA 350.2M
Sulfide, Dissolved	ND	0.10	0.2		mg/kg	03/06/07	03/06/07	EPA 376.2M
Sulfide, Total	ND	0.10	1		mg/kg	03/06/07	03/06/07	EPA 376.2M
Carbon, Total Organic	ND	500	1		mg/kg	N/A	03/05/07	EPA 9060

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

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Tetra Tech, Inc.
3475 East Foothill Blvd., Suite 300
Pasadena, CA 91107-6024

Date Received: 03/01/07
Work Order No: 07-03-0026
Preparation: EPA 3050B
Method: EPA 6020

Project POLA_B155

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
COMP (Tt-B155-1-1, Tt-B155-2-1)	**Solid**	**ICP/MS A**	**03/08/07**	**03/10/07**	**070308S01A**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Arsenic	123	127	80-120	3	0-20	3
Cadmium	114	118	80-120	4	0-20	
Chromium	121	130	80-120	5	0-20	3
Copper	110	115	80-120	4	0-20	
Lead	173	127	80-120	25	0-20	3,4
Nickel	119	125	80-120	4	0-20	3
Selenium	109	112	80-120	3	0-20	
Silver	109	113	80-120	4	0-20	
Zinc	134	148	80-120	5	0-20	3

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Tetra Tech, Inc.
3475 East Foothill Blvd., Suite 300
Pasadena, CA 91107-6024

Date Received:	03/01/07
Work Order No:	07-03-0026
Preparation:	Extraction
Method:	EPA 418.1M

Project POLA_B155

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
07-03-0064-1	**Solid**	**IR #1**	**03/02/07**	**03/02/07**	**070302S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TRPH	99	98	55-135	1	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Tetra Tech, Inc.
3475 East Foothill Blvd., Suite 300
Pasadena, CA 91107-6024

Date Received:	03/01/07
Work Order No:	07-03-0026
Preparation:	EPA 3550B
Method:	EPA 8015B (M)

Project POLA_B155

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
COMP (Tt-B155-1-1, Tt-B155-2-1)	**Solid**	**GC 6**	**03/05/07**	**03/06/07**	**070305S07**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Diesel	304	211	64-130	9	0-15	3

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Tetra Tech, Inc.
3475 East Foothill Blvd., Suite 300
Pasadena, CA 91107-6024

Date Received: 03/01/07
Work Order No: 07-03-0026
Preparation: EPA 7471A Total
Method: EPA 7471A

Project POLA_B155

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
COMP (Tt-B155-1-1, Tt-B155-2-1)	**Solid**	**Mercury**	**03/08/07**	**03/08/07**	**070308S03**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	121	119	76-136	1	0-16	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Tetra Tech, Inc.
3475 East Foothill Blvd., Suite 300
Pasadena, CA 91107-6024

Date Received: 03/01/07
Work Order No: 07-03-0026
Preparation: EPA 3545
Method: EPA 8081A/8082

Project POLA_B155

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
COMP (Tt-B155-1-1, Tt-B155-2-1)	**Solid**	**GC 16**	**03/05/07**	**03/12/07**	**070305S07**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Aldrin	72	66	50-135	10	0-25	
Alpha-BHC	96	86	50-135	11	0-25	
Beta-BHC	71	75	50-135	6	0-25	
Delta-BHC	74	66	50-135	11	0-25	
Gamma-BHC	73	63	50-135	14	0-25	
Dieldrin	51	45	50-135	14	0-25	3
4,4'-DDD	232	222	50-135	4	0-25	3
4,4'-DDE	145	124	50-135	9	0-25	3
4,4'-DDT	0	0	50-135	33	0-25	3,4
Endosulfan I	54	48	50-135	11	0-25	3
Endosulfan II	15	14	50-135	5	0-25	3
Endosulfan Sulfate	15	14	50-135	5	0-25	3
Endrin	46	40	50-135	15	0-25	3
Endrin Aldehyde	24	33	50-135	33	0-25	3,4
Endrin Ketone	33	31	50-135	4	0-25	3
Heptachlor	51	41	50-135	23	0-25	3
Heptachlor Epoxide	66	60	50-135	9	0-25	
Methoxychlor	8	7	50-135	21	0-25	3

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Tetra Tech, Inc.
3475 East Foothill Blvd., Suite 300
Pasadena, CA 91107-6024

Date Received: 03/01/07
Work Order No: 07-03-0026
Preparation: EPA 3545
Method: Organotins by Krone et al.

Project POLA_B155

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
COMP (Tt-B155-1-2, Tt-B155-2-2)	**Solid**	**GC/MS Y**	**03/07/07**	**03/11/07**	**070307S10**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Tetrabutyltin	116	115	50-130	1	0-20	
Tributyltin	121	126	50-130	5	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Tetra Tech, Inc.
3475 East Foothill Blvd., Suite 300
Pasadena, CA 91107-6024

Date Received: 03/01/07
Work Order No: 07-03-0026
Preparation: EPA 3545
Method: EPA 8270C SIM

Project POLA_B155

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
COMP (Tt-B155-1-2, Tt-B155-2-2)	**Solid**	**GC/MS N**	**03/05/07**	**03/09/07**	**070305S08**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
2,4,6-Trichlorophenol	43	111	40-160	90	0-20	4
2,4-Dichlorophenol	37	101	40-160	93	0-20	3,4
2-Methylphenol	40	101	40-160	87	0-20	4
2-Nitrophenol	48	131	40-160	93	0-20	4
4-Chloro-3-Methylphenol	43	106	40-160	84	0-20	4
Acenaphthene	47	110	40-106	80	0-20	4,3
Benzo (a) Pyrene	53	127	17-163	83	0-20	4
Chrysene	45	111	17-168	85	0-20	4
Di-n-Butyl Phthalate	52	118	40-160	78	0-20	4
Dimethyl Phthalate	43	101	40-160	81	0-20	4
Fluoranthene	49	112	26-137	79	0-20	4
Fluorene	49	114	59-121	80	0-20	3,4
N-Nitrosodimethylamine	43	115	40-160	91	0-20	4
Naphthalene	49	113	21-133	79	0-20	4
Phenanthrene	47	110	54-120	79	0-20	3,4
Phenol	41	100	40-160	85	0-20	4
Pyrene	62	148	6-156	82	0-46	4

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Tetra Tech, Inc.
3475 East Foothill Blvd., Suite 300
Pasadena, CA 91107-6024

Date Received:	03/01/07
Work Order No:	07-03-0026
Preparation:	EPA 5030B
Method:	EPA 8260B

Project POLA_B155

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
07-03-0158-72	**Solid**	**GC/MS Z**	**03/05/07**	**03/06/07**	**070305S02**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	92	93	79-115	0	0-13	
Carbon Tetrachloride	104	106	55-139	2	0-15	
Chlorobenzene	98	97	79-115	1	0-17	
1,2-Dichlorobenzene	93	94	63-123	1	0-23	
1,1-Dichloroethene	99	97	69-123	2	0-16	
Toluene	99	99	79-115	0	0-15	
Trichloroethene	97	98	66-144	0	0-14	
Vinyl Chloride	92	88	60-126	5	0-14	
Methyl-t-Butyl Ether (MTBE)	89	87	68-128	3	0-14	
Tert-Butyl Alcohol (TBA)	73	67	44-134	9	0-37	
Diisopropyl Ether (DIPE)	81	79	75-123	2	0-12	
Ethyl-t-Butyl Ether (ETBE)	85	83	75-117	2	0-12	
Tert-Amyl-Methyl Ether (TAME)	90	88	79-115	2	0-12	
Ethanol	79	74	42-138	6	0-28	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Tetra Tech, Inc.
3475 East Foothill Blvd., Suite 300
Pasadena, CA 91107-6024

Date Received: N/A
Work Order No: 07-03-0026

Project: POLA_B155

Matrix: Solid

Parameter	Method	Quality Control Sample ID	Date Analyzed	Date Extracted	MS% REC	MSD % REC	%REC CL	RPD	RPD CL	Qualifiers
Carbon, Total Organic	EPA 9060	COMP (Tt-B155-1-2, Tt-B155-2-2)	03/05/07	N/A	91	95	75-125	4	0-25	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Duplicate

Tetra Tech, Inc.
3475 East Foothill Blvd., Suite 300
Pasadena, CA 91107-6024

Date Received: N/A
Work Order No: 07-03-0026

Project: POLA_B155

Matrix: Solid

Parameter	Method	QC Sample ID	Date Analyzed	Sample Conc	DUP Conc	RPD	RPD CL	Qualifiers
Ammonia (as N)	EPA 350.2M	COMP (Tt-B155-1-2, Tt-B155-2-2)	03/06/07	3.1	3.3	5	0-25	
Sulfide, Dissolved	EPA 376.2M	COMP (Tt-B155-1-2, Tt-B155-2-2)	03/06/07	ND	ND	NA	0-25	
Sulfide, Total	EPA 376.2M	COMP (Tt-B155-1-2, Tt-B155-2-2)	03/06/07	2.1	2.2	3	0-25	
Solids, Total	EPA 160.3	COMP (Tt-B155-1-1, Tt-B155-2-1)	03/06/07	94.2	94.3	0	0-25	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Tetra Tech, Inc.
3475 East Foothill Blvd., Suite 300
Pasadena, CA 91107-6024

Date Received:	N/A
Work Order No:	07-03-0026
Preparation:	EPA 3050B
Method:	EPA 6020

Project: POLA_B155

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
096-10-002-815	**Solid**	**ICP/MS A**	**03/08/07**	**03/08/07**	**070308L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Arsenic	105	105	80-120	0	0-20	
Cadmium	105	106	80-120	1	0-20	
Chromium	103	106	80-120	3	0-20	
Copper	101	101	80-120	0	0-20	
Lead	104	104	80-120	0	0-20	
Nickel	102	102	80-120	1	0-20	
Selenium	100	102	80-120	2	0-20	
Silver	103	105	80-120	2	0-20	
Zinc	107	106	80-120	1	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Laboratory Control Sample

Tetra Tech, Inc.		Date Received:	N/A
3475 East Foothill Blvd., Suite 300		Work Order No:	07-03-0026
Pasadena, CA 91107-6024		Preparation:	Extraction
		Method:	EPA 418.1M

Project: POLA_B155

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	Lab File ID	LCS Batch Number
099-07-015-1,090	**Solid**	**IR #1**	**03/02/07**	**NONE**	**070302L01**

Parameter	Conc Added	Conc Recovered	LCS %Rec	%Rec CL	Qualifiers
TRPH	100	100	100	70-130	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Tetra Tech, Inc.
3475 East Foothill Blvd., Suite 300
Pasadena, CA 91107-6024

Date Received:	N/A
Work Order No:	07-03-0026
Preparation:	EPA 3550B
Method:	EPA 8015B (M)

Project: POLA_B155

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-275-435	**Solid**	**GC 6**	**03/05/07**	**03/05/07**	**070305B07**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Diesel	105	108	75-123	2	0-12	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH ilac

Tetra Tech, Inc.		Date Received:	N/A
3475 East Foothill Blvd., Suite 300		Work Order No:	07-03-0026
Pasadena, CA 91107-6024		Preparation:	EPA 7471A Total
		Method:	EPA 7471A

Project: POLA_B155

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-452-23	**Solid**	**Mercury**	**03/08/07**	**03/08/07**	**070308L03**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	109	109	82-124	0	0-16	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Tetra Tech, Inc.
3475 East Foothill Blvd., Suite 300
Pasadena, CA 91107-6024

Date Received: N/A
Work Order No: 07-03-0026
Preparation: EPA 3545
Method: EPA 8081A/8082

Project: POLA_B155

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-07-033-60	**Solid**	**GC 16**	**03/05/07**	**03/07/07**	**070305L07**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Aldrin	97	97	50-135	1	0-25	
Alpha-BHC	102	103	50-135	0	0-25	
Beta-BHC	88	87	50-135	1	0-25	
Delta-BHC	99	100	50-135	1	0-25	
Gamma-BHC	99	99	50-135	0	0-25	
Dieldrin	97	97	50-135	0	0-25	
4,4'-DDD	97	96	50-135	1	0-25	
4,4'-DDE	88	90	50-135	2	0-25	
4,4'-DDT	93	90	50-135	2	0-25	
Endosulfan I	97	99	50-135	2	0-25	
Endosulfan II	91	90	50-135	1	0-25	
Endosulfan Sulfate	88	88	50-135	0	0-25	
Endrin	99	100	50-135	1	0-25	
Endrin Aldehyde	90	95	50-135	5	0-25	
Endrin Ketone	87	92	50-135	6	0-25	
Heptachlor	91	90	50-135	1	0-25	
Heptachlor Epoxide	93	92	50-135	0	0-25	
Methoxychlor	89	88	50-135	1	0-25	
Aroclor-1016	103	106	50-135	2	0-25	
Aroclor-1260	119	122	50-135	2	0-25	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Laboratory Control Sample

ACCREDITED IN ACCORDANCE WITH

Tetra Tech, Inc.		Date Received:	N/A
3475 East Foothill Blvd., Suite 300		Work Order No:	07-03-0026
Pasadena, CA 91107-6024		Preparation:	EPA 3545
		Method:	Organotins by Krone et al.

Project: POLA_B155

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	Lab File ID	LCS Batch Number
099-07-016-434	**Solid**	**GC/MS Y**	**03/11/07**	**11MAR012.rr**	**070307L10**

Parameter	Conc Added	Conc Recovered	LCS %Rec	%Rec CL	Qualifiers
Tetrabutyltin	100	86.1	86	50-130	
Tributyltin	100	121	121	50-130	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Tetra Tech, Inc.
3475 East Foothill Blvd., Suite 300
Pasadena, CA 91107-6024

Date Received: N/A
Work Order No: 07-03-0026
Preparation: EPA 3545
Method: EPA 8270C SIM

Project: POLA_B155

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-413-31	**Solid**	**GC/MS N**	**03/05/07**	**03/08/07**	**070305L08**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
2,4,6-Trichlorophenol	93	91	40-160	1	0-20	
2,4-Dichlorophenol	83	83	40-160	0	0-20	
2-Methylphenol	79	78	40-160	1	0-20	
2-Nitrophenol	97	97	40-160	0	0-20	
4-Chloro-3-Methylphenol	89	89	40-160	0	0-20	
Acenaphthene	84	82	48-108	2	0-11	
Benzo (a) Pyrene	93	91	17-163	2	0-20	
Chrysene	85	83	17-168	2	0-20	
Di-n-Butyl Phthalate	87	86	40-160	1	0-20	
Dimethyl Phthalate	87	85	40-160	2	0-20	
Fluoranthene	85	83	26-137	2	0-20	
Fluorene	88	86	59-121	2	0-20	
N-Nitrosodimethylamine	76	76	40-160	0	0-20	
Naphthalene	83	82	21-133	0	0-20	
Phenanthrene	85	84	54-120	2	0-20	
Phenol	76	75	40-160	1	0-20	
Pyrene	95	92	28-106	3	0-16	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Tetra Tech, Inc.		Date Received:	N/A
3475 East Foothill Blvd., Suite 300		Work Order No:	07-03-0026
Pasadena, CA 91107-6024		Preparation:	EPA 5030B
		Method:	EPA 8260B

Project: POLA_B155

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-10-005-13,437	**Solid**	**GC/MS Z**	**03/05/07**	**03/05/07**	**070305L03**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	96	92	84-114	4	0-7	
Carbon Tetrachloride	106	98	66-132	7	0-12	
Chlorobenzene	103	102	87-111	1	0-7	
1,2-Dichlorobenzene	104	100	79-115	4	0-8	
1,1-Dichloroethene	98	91	73-121	7	0-12	
Toluene	102	102	78-114	0	0-7	
Trichloroethene	103	96	84-114	6	0-8	
Vinyl Chloride	95	88	63-129	7	0-15	
Methyl-t-Butyl Ether (MTBE)	91	84	77-125	8	0-11	
Tert-Butyl Alcohol (TBA)	69	68	47-137	2	0-27	
Diisopropyl Ether (DIPE)	84	79	76-130	6	0-8	
Ethyl-t-Butyl Ether (ETBE)	86	82	76-124	5	0-12	
Tert-Amyl-Methyl Ether (TAME)	93	89	82-118	5	0-11	
Ethanol	86	86	59-131	1	0-21	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Laboratory Control Sample

Tetra Tech, Inc.
3475 East Foothill Blvd., Suite 300
Pasadena, CA 91107-6024

Date Received: N/A
Work Order No: 07-03-0026

Project: POLA_B155

Matrix : Solid

Parameter	Method	Quality Control Sample ID	Date Analyzed	Date Extracted	Conc Added	Conc Recovered	LCS %Rec	%Rec CL	Qualifiers
Carbon, Total Organic	EPA 9060	099-06-013-221	03/05/07	N/A	6000	5820	97	80-120	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 07-03-0026

Qualifier	Definition
*	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.

CALSCIENCE ENVIRONMENTAL LABORATORIES, INC.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 • FAX: (714) 894-7501

CHAIN OF CUSTODY RECORD

Date 03/01/2007

Page 1 of 1

LABORATORY CLIENT: Tetra Tech - Inc
ADDRESS: 3475 E Foothill Blvd
CITY: Pasadena STATE: CA ZIP: 91107
TEL: 626-470-2446 E-MAIL: Kevin.Sommelet@tetratech.com

CLIENT PROJECT NAME / NUMBER: POLA - B155
P.O. NO.: 17284-34
PROJECT CONTACT: Kevin Sommelet
LAB USE ONLY: 03-0012a
SAMPLER(S): (PRINT)
COELT LOG CODE
COOLER RECEIPT TEMP = °C

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☑ 5 DAYS ☐ 10 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY): ☐ RWQCB REPORTING FORMS ☐ COELT EDF ☐

SPECIAL INSTRUCTIONS:
- Prepare composite of Tt_B155-1-2 and Tt_B155-2-2 and test for bulk sediment and elutriate tests (using B155W water from work order 02-0546) - Retain separate archive of Tt_B155-1-2 and of Tt_B155-2-2

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	FIELD POINT NAME (FOR COELT EDF)	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH (G)	TPH (D) or	BTEX / MTBE (8260B) or	OXYGENATES (8260B)	VOCs (8260B)	5035 ENCORE PREP	SVOCs (8270C)	PEST (8081A)	PCBs (8082)	CAC, T22 METALS (6010B) / 747	PNAs (8310) or (8270C)	VOCs (TO-14A) or (TO-15)	TPH(G) (TO-3M)
	Tt_B155-1-2		03/01		Sedim	1				See	attached	table	3	and	5				
	Tt_B155-2-2		03/01		Sedim	1													
	Prepare composite of Tt_B155-1-1 and Tt_B155-2-1 for soil analysis - Retain separate archive of Tt_B155-1-1 and Tt_B155-2-1																		
	Tt_B155-1-1		03/01		Soil	1					See	attached	Table	4					
	Tt_B155-2-1		03/01		Soil	1													

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
[signature]	[signature] CEL	3/1/7	11:30
[signature]	[signature] CEL	3/1/7	12:50

DISTRIBUTION: White with final report, Green and Yellow to Client.
Please note that pages 1 and 2 of 2 of our T/Cs are printed on the reverse side of the Green and Yellow copies respectively.

05/10/06 Revision

Q&Q Graphic 714-898-9702

Table 3. Chemical Analyses for Sediment Samples

Analyte	Units	Analysis Method	Sediment Target Detection Limits[a,b]
~~Grain Size~~	~~Percent~~	~~ASTM 1967~~	0.1
Total solids	Percent	160.3	0.1
Total organic carbon	Percent	9060	0.01
Total ammonia	mg/kg	350.2M[c]	0.2
Total & soluble sulfides	mg/kg	376.2M[c]	0.1
Arsenic	mg/kg	6020[d]	0.1
Cadmium	mg/kg	6020[d]	0.1
Chromium 6020 Sed.	mg/kg	6020[d]	0.1
Copper	mg/kg	6020[d]	0.1
Lead	mg/kg	6020[d]	5.0
Mercury — Sed.	mg/kg	7471A[d]	0.02
Nickel	mg/kg	6020[d]	0.1
Selenium 6020 Sed.	mg/kg	6020[d]	0.1
Silver	mg/kg	6020[d]	0.2
Zinc	mg/kg	6020[d]	2.0
TRPH	mg/kg	418.1M[d]	5.0
PAHs[e] 8270 SIM Full	µg/kg	8270C[d]	20
"MB" Sed. Organochlorine Pesticides[f]	µg/kg	8081A[d]	0.5 – 30
PCBs[g]	µg/kg	8082[d]	20
Phenols 8270 SIM Full	µg/kg	8270C[d]	20 – 100
Phthalates "	µg/kg	8270C[d]	10
Organotins	µg/kg	Rice/Krone[h]	1.0

[a] Sediment minimum detection limits are on a dry-weight basis.
[b] Reporting limits provided by Calscience Environmental Laboratories, Inc.
[c] Standard Methods for the Examination of Water and Wastewater, 19th Edition (APHA, 1995).
[d] EPA 1986-1996. SW -846. Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition.
[e] Includes naphthalene, acenaphthylene, acenaphthene, fluorene, phenanthrene, fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo(b,k)fluoranthene, benzo(a)pyrene, indeno(1,2,3-c,d)pyrene, dibenzo(a,h)anthracene, benzo(g,h,i)perylene.
[f] Includes aldrin, α-BHC, β-BHC, γ-BHC (lindane), δ-BHC, chlordane, 2,4- & 4,4-DDD, 2,4- & 4,4-DDE, 4,4-DDT, dieldrin, endosulfan I and II, endosulfan sulfate, endrin, endrin aldehyde, heptachlor, heptachlor epoxide, and toxaphene.
[g] Includes Aroclors 1016, 1221, 1232, 1242, 1248, 1254, 1260, and 1262.
[h] Rice, C.D. et al. 1987 or Krone et al. 1989)

PAH – polycyclic aromatic hydrocarbon
PCB – polychlorinated biphenyl
TRPH – total recoverable petroleum hydrocarbons
mg/kg – milligrams per kilogram (parts per million)
µg/kg – micrograms per kilogram (parts per billion)

0026

Table 5. Chemical Analyses for Elutriate and Site Water Samples

Analyte	Units	Analysis Method	Elutriate & Site Water Target Detection Limits[a,b]
Arsenic	µg/L	6020[d]	10
Cadmium	µg/L	6020[d]	2
Chromium	µg/L	6020[d]	5
Copper	µg/L	6020[d]	5
Lead	µg/L	6020[d]	5
Mercury	µg/L	7471A[d]	0.2
Nickel	µg/L	6020[d]	5
Selenium	µg/L	6020[d]	10
Silver	µg/L	6020[d]	2
Zinc	µg/L	6020[d]	10
PAHs[e]	µg/L	8270C[d]	5
Organochlorine Pesticides[f]	µg/L	8081A[d]	5-25
PCBs[g]	µg/L	8082[d]	5
Phenols	µg/L	8270C[d]	0.5
Phthalates	µg/L	8270C[d]	0.05-2
Organotins	µg/L	Rice/Krone[h]	1

[a] Site water samples will be handled identically to elutriate samples.
[b] Reporting limits provided by Calscience Environmental Laboratories, Inc.
[c] Standard Methods for the Examination of Water and Wastewater, 19th Edition (APHA, 1995).
[d] EPA 1986-1996. SW -846. Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition.
[e] Includes naphthalene, acenaphthylene, acenaphthene, fluorene, phenanthrene, fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo(b,k)fluoranthene, benzo(a)pyrene, indeno(1,2,3-c,d)pyrene, dibenzo(a,h)anthracene, benzo(g,h,i)perylene.
[f] Includes aldrin, α-BHC, β-BHC, δ-BHC (lindane), γ-BHC, chlordane, 2,4- & 4,4-DDD, 2,4- & 4,4-DDE, 4,4-DDT, dieldrin, endosulfan I and II, endosulfan sulfate, endrin, endrin aldehyde, heptachlor, heptachlor epoxide, and toxaphene.
[g] Includes Aroclors 1016, 1221, 1232, 1242, 1248, 1254, 1260, and 1262.
[h] Rice, C.D. et al. 1987 or Krone et al. 1989)

PAH – polycyclic aromatic hydrocarbon
PCB – polychlorinated biphenyl
TRPH – total recoverable petroleum hydrocarbons
mg/kg – milligrams per kilogram (parts per million)
µg/kg – micrograms per kilogram (parts per billion)

0026

Table 4. Chemical Analyses for Upland Soil Samples

Analyte	Units	Analysis Method	Soil Target Detection Limits[a,b]
Total solids	Percent	160.3	0.1
Arsenic	mg/kg	6020[d]	0.1
Cadmium	mg/kg	6020[d]	0.1
Chromium	mg/kg	6020[d]	0.1
Copper	mg/kg	6020[d]	0.1
Lead	mg/kg	6020[d]	5.0
Mercury	mg/kg	7471A[d]	0.02
Nickel	mg/kg	6020[d]	0.1
Selenium	mg/kg	6020[d]	0.1
Silver	mg/kg	6020[d]	0.2
Zinc	mg/kg	6020[d]	2.0
Carbon Range (C7-C44)	mg/kg	8015B[d] M	0.1 ?
Organochlorine Pesticides[f]	µg/kg	8081A[d]	0.5 – 30
PCBs[g]	µg/kg	8082[d]	20
PAHs[e]	µg/kg	8270C[d]	20
VOCs	µg/kg	8260C[d]	20-100

a Sediment minimum detection limits are on a dry-weight basis.
b Reporting limits provided by Calscience Environmental Laboratories, Inc.
c Standard Methods for the Examination of Water and Wastewater, 19th Edition (APHA, 1995).
d EPA 1986-1996. SW -846. Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition.
e Includes naphthalene, acenaphthylene, acenaphthene, fluorene, phenanthrene, fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo(b,k)fluoranthene, benzo(a)pyrene, indeno(1,2,3-c,d)pyrene, dibenzo(a,h)anthracene, benzo(g,h,i)perylene.
f Includes aldrin, α-BHC, β-BHC, γ-BHC (lindane), δ-BHC, chlordane, 2,4- & 4,4-DDD, 2,4- & 4,4-DDE, 4,4-DDT, dieldrin, endosulfan I and II, endosulfan sulfate, endrin, endrin aldehyde, heptachlor, heptachlor epoxide, and toxaphene.
g Includes Aroclors 1016, 1221, 1232, 1242, 1248, 1254, 1260, and 1262.
h Rice, C.D. et al. 1987 or Krone et al. 1989)

PAH – polycyclic aromatic hydrocarbon
PCB – polychlorinated biphenyl
VOC – volatile organic compounds
mg/kg – milligrams per kilogram (parts per million)
µg/kg – micrograms per kilogram (parts per billion)

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 07 - 0 3 - 0 0 2 6

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: TETRATECH DATE: 3/1/7

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.

LABORATORY (Other than Calscience Courier):

- ____ °C Temperature blank.
- ____ °C IR thermometer.
- ____ Ambient temperature.

3.8 °C Temperature blank.

Initial: AM.

CUSTODY SEAL INTACT:

Sample(s): ____ Cooler: ____ No (Not Intact) : ____ Not Present: ✓

Initial: AM.

SAMPLE CONDITION:

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

Initial: AM

COMMENTS: