

October 17, 2006

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

Subject: **Calscience Work Order No.: 06-10-0333**  
Client Reference: **POLB / TMDL Support**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 10/5/2006 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.: 06-10-0333**

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

### ***Sample Condition on Receipt***

Seven seawater samples were received for this project on October 5, 2006. Each of the samples was contained in assorted containers, appropriately preserved. 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 3.2°C.

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

Upon sample receipt, one of the DOC bottles was broken. Since additional volume of DOC was received, this did not hamper our testing. Also, the COC indicated a sample as LBI-1-matrix, but no sample was received with this designation. A sample was received labeled as LBM-1 not on the COC. The client indicated that the latter was the correct ID and the change was made. No other anomalies were identified upon sample receipt.

### ***Data Summary***

Only five of the seven samples received were 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, with the exception of the SVOCs. In this case, a trace amount of Bis(2-Ethylhexyl) Phthalate was found in the method blank. This compound did not appear in any of the samples, so its presence in the method blank did not affect the data.

#### 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. In all cases, a project sample was spiked. The matrix spike recoveries and RPDs were in control for each parameter with the following exceptions.

For the SVOCs by EPA 8270C, the duplicate RPDs for several of the spiked compounds fell outside of the established control limit for each compound. However, the corresponding LCS/LCSD recoveries and duplicate RPDs were in control, suggesting a matrix interference effect, and the data is thus released with no further qualification.

For the organotins by Krone, the duplicate RPDs for each of the spiked compounds were above the control limit for each compound. Also, the MSD for tetrabutyltin was lower than the established control limit. However, the corresponding LCS/LCSD recoveries and duplicate RPDs were in control, indicating a matrix interference effect, and the data is thus released with no further action.

All other matrix spike recoveries and RPDs were in control.

#### TOC vs. DOC

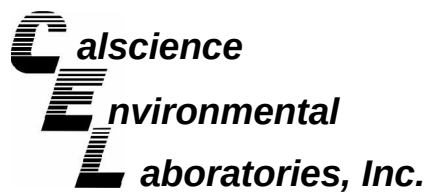
With one exception, the concentration of DOC slightly exceeded the concentration of TOC in each sample. This anomaly may be attributable to the contribution of DOC from the filter used during filtration.

#### Surrogates

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

#### Acronyms

|           |                                                               |
|-----------|---------------------------------------------------------------|
| SVOC:     | Semi-volatile Organic Compound                                |
| 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: 10/05/06  
Work Order No: 06-10-0333  
Preparation: EPA 5030B  
Method: EPA 8015B

Project: POLB / TMDL Support

Page 1 of 2

| Client Sample Number | Lab Sample Number | Date Collected | Matrix  | Date Prepared | Date Analyzed | QC Batch ID |
|----------------------|-------------------|----------------|---------|---------------|---------------|-------------|
| LBM-1                | 06-10-0333-3      | 10/05/06       | Aqueous | 10/10/06      | 10/10/06      | 061010B01   |

| Parameter               | Result         | RL                    | DF | Qual        | Units |
|-------------------------|----------------|-----------------------|----|-------------|-------|
| Gasoline Range Organics | ND             | 50                    | 1  |             | ug/L  |
| <u>Surrogates:</u>      | <u>REC (%)</u> | <u>Control Limits</u> |    | <u>Qual</u> |       |
| 1,4-Bromofluorobenzene  | 86             | 38-134                |    |             |       |

|        |              |          |         |          |          |           |
|--------|--------------|----------|---------|----------|----------|-----------|
| LBM-10 | 06-10-0333-4 | 10/05/06 | Aqueous | 10/10/06 | 10/10/06 | 061010B01 |
|--------|--------------|----------|---------|----------|----------|-----------|

| Parameter               | Result         | RL                    | DF | Qual        | Units |
|-------------------------|----------------|-----------------------|----|-------------|-------|
| Gasoline Range Organics | ND             | 50                    | 1  |             | ug/L  |
| <u>Surrogates:</u>      | <u>REC (%)</u> | <u>Control Limits</u> |    | <u>Qual</u> |       |
| 1,4-Bromofluorobenzene  | 90             | 38-134                |    |             |       |

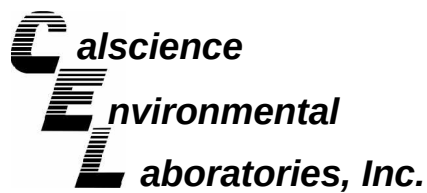
|       |              |          |         |          |          |           |
|-------|--------------|----------|---------|----------|----------|-----------|
| LBM-3 | 06-10-0333-5 | 10/05/06 | Aqueous | 10/10/06 | 10/10/06 | 061010B01 |
|-------|--------------|----------|---------|----------|----------|-----------|

| Parameter               | Result         | RL                    | DF | Qual        | Units |
|-------------------------|----------------|-----------------------|----|-------------|-------|
| Gasoline Range Organics | ND             | 50                    | 1  |             | ug/L  |
| <u>Surrogates:</u>      | <u>REC (%)</u> | <u>Control Limits</u> |    | <u>Qual</u> |       |
| 1,4-Bromofluorobenzene  | 90             | 38-134                |    |             |       |

|       |              |          |         |          |          |           |
|-------|--------------|----------|---------|----------|----------|-----------|
| LBI-9 | 06-10-0333-6 | 10/05/06 | Aqueous | 10/10/06 | 10/10/06 | 061010B01 |
|-------|--------------|----------|---------|----------|----------|-----------|

| Parameter               | Result         | RL                    | DF | Qual        | Units |
|-------------------------|----------------|-----------------------|----|-------------|-------|
| Gasoline Range Organics | ND             | 50                    | 1  |             | ug/L  |
| <u>Surrogates:</u>      | <u>REC (%)</u> | <u>Control Limits</u> |    | <u>Qual</u> |       |
| 1,4-Bromofluorobenzene  | 90             | 38-134                |    |             |       |

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



## Analytical Report



Weston Solutions  
2433 Impala Drive  
Carlsbad, CA 92008-7227

Date Received: 10/05/06  
Work Order No: 06-10-0333  
Preparation: EPA 5030B  
Method: EPA 8015B

Project: POLB / TMDL Support

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| Client Sample Number | Lab Sample Number | Date Collected | Matrix  | Date Prepared | Date Analyzed | QC Batch ID |
|----------------------|-------------------|----------------|---------|---------------|---------------|-------------|
| LBI-7                | 06-10-0333-7      | 10/05/06       | Aqueous | 10/10/06      | 10/10/06      | 061010B01   |

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

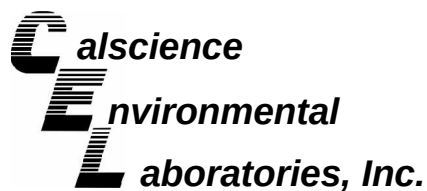
| Surrogates:            | REC (%) | Control Limits | Qual |
|------------------------|---------|----------------|------|
| 1,4-Bromofluorobenzene | 88      | 38-134         |      |

|              |                |     |         |          |          |           |
|--------------|----------------|-----|---------|----------|----------|-----------|
| Method Blank | 099-12-022-231 | N/A | Aqueous | 10/10/06 | 10/10/06 | 061010B01 |
|--------------|----------------|-----|---------|----------|----------|-----------|

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

| Surrogates:            | REC (%) | Control Limits | Qual |
|------------------------|---------|----------------|------|
| 1,4-Bromofluorobenzene | 91      | 38-134         |      |

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



## Analytical Report



Weston Solutions  
2433 Impala Drive  
Carlsbad, CA 92008-7227

Date Received: 10/05/06  
Work Order No: 06-10-0333  
Preparation: EPA 3510C  
Method: EPA 8015B

Project: POLB / TMDL Support

Page 1 of 2

| Client Sample Number | Lab Sample Number   | Date Collected  | Matrix         | Date Prepared   | Date Analyzed   | QC Batch ID      |
|----------------------|---------------------|-----------------|----------------|-----------------|-----------------|------------------|
| <b>LBM-1</b>         | <b>06-10-0333-3</b> | <b>10/05/06</b> | <b>Aqueous</b> | <b>10/10/06</b> | <b>10/11/06</b> | <b>061010B06</b> |

| <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    | 98             | 68-140                |           |             |              |

|               |                     |                 |                |                 |                 |                  |
|---------------|---------------------|-----------------|----------------|-----------------|-----------------|------------------|
| <b>LBM-10</b> | <b>06-10-0333-4</b> | <b>10/05/06</b> | <b>Aqueous</b> | <b>10/10/06</b> | <b>10/11/06</b> | <b>061010B06</b> |
|---------------|---------------------|-----------------|----------------|-----------------|-----------------|------------------|

| <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    | 96             | 68-140                |           |             |              |

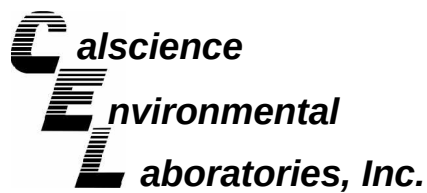
|              |                     |                 |                |                 |                 |                  |
|--------------|---------------------|-----------------|----------------|-----------------|-----------------|------------------|
| <b>LBM-3</b> | <b>06-10-0333-5</b> | <b>10/05/06</b> | <b>Aqueous</b> | <b>10/10/06</b> | <b>10/11/06</b> | <b>061010B06</b> |
|--------------|---------------------|-----------------|----------------|-----------------|-----------------|------------------|

| <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    | 102            | 68-140                |           |             |              |

|              |                     |                 |                |                 |                 |                  |
|--------------|---------------------|-----------------|----------------|-----------------|-----------------|------------------|
| <b>LBI-9</b> | <b>06-10-0333-6</b> | <b>10/05/06</b> | <b>Aqueous</b> | <b>10/10/06</b> | <b>10/11/06</b> | <b>061010B06</b> |
|--------------|---------------------|-----------------|----------------|-----------------|-----------------|------------------|

| <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    | 104            | 68-140                |           |             |              |

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



## Analytical Report



Weston Solutions  
2433 Impala Drive  
Carlsbad, CA 92008-7227

Date Received: 10/05/06  
Work Order No: 06-10-0333  
Preparation: EPA 3510C  
Method: EPA 8015B

Project: POLB / TMDL Support

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| Client Sample Number | Lab Sample Number | Date Collected | Matrix  | Date Prepared | Date Analyzed | QC Batch ID |
|----------------------|-------------------|----------------|---------|---------------|---------------|-------------|
| LBI-7                | 06-10-0333-7      | 10/05/06       | Aqueous | 10/10/06      | 10/11/06      | 061010B06   |

| Parameter             | Result | RL | DF | Qual | Units |
|-----------------------|--------|----|----|------|-------|
| Diesel Range Organics | ND     | 50 | 1  |      | ug/L  |

| Surrogates:        | REC (%) | Control Limits | Qual |
|--------------------|---------|----------------|------|
| Decachlorobiphenyl | 102     | 68-140         |      |

|              |               |     |         |          |          |           |
|--------------|---------------|-----|---------|----------|----------|-----------|
| Method Blank | 099-12-211-15 | N/A | Aqueous | 10/10/06 | 10/10/06 | 061010B06 |
|--------------|---------------|-----|---------|----------|----------|-----------|

| Parameter             | Result | RL | DF | Qual | Units |
|-----------------------|--------|----|----|------|-------|
| Diesel Range Organics | ND     | 50 | 1  |      | ug/L  |

| Surrogates:        | REC (%) | Control Limits | Qual |
|--------------------|---------|----------------|------|
| Decachlorobiphenyl | 101     | 68-140         |      |

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



## Analytical Report



Weston Solutions  
 2433 Impala Drive  
 Carlsbad, CA 92008-7227

Date Received: 10/05/06  
 Work Order No: 06-10-0333  
 Preparation: EPA 3510B  
 Method: EPA 8270C  
 Units: ug/L

Project: POLB / TMDL Support

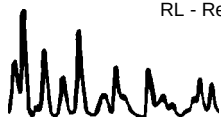
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| Client Sample Number | Lab Sample Number | Date Collected | Matrix  | Date Prepared | Date Analyzed | QC Batch ID |
|----------------------|-------------------|----------------|---------|---------------|---------------|-------------|
| LBM-1                | 06-10-0333-3      | 10/05/06       | Aqueous | 10/10/06      | 10/13/06      | 061010L09   |

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  |             | Benzidine                   | 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                   | 47             | 17-141                |      |    |             |
| Nitrobenzene-d5              | 83             | 56-123                |      |    |             | 2-Fluorobiphenyl            | 79             | 45-120                |      |    |             |
| 2,4,6-Tribromophenol         | 90             | 32-143                |      |    |             | p-Terphenyl-d14             | 77             | 46-133                |      |    |             |

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



# Analytical Report



Weston Solutions  
 2433 Impala Drive  
 Carlsbad, CA 92008-7227

Date Received: 10/05/06  
 Work Order No: 06-10-0333  
 Preparation: EPA 3510B  
 Method: EPA 8270C  
 Units: ug/L

Project: POLB / TMDL Support

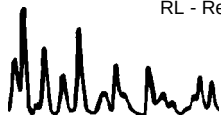
Page 2 of 6

| Client Sample Number | Lab Sample Number | Date Collected | Matrix  | Date Prepared | Date Analyzed | QC Batch ID |
|----------------------|-------------------|----------------|---------|---------------|---------------|-------------|
| LBM-10               | 06-10-0333-4      | 10/05/06       | Aqueous | 10/10/06      | 10/13/06      | 061010L09   |

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    |      | Benzidine                   | 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    |      |                             |         |                |      |      |      |
| Surrogates:                  | REC (%) | Control Limits |      | Qual |      | Surrogates:                 | REC (%) | Control Limits |      | Qual |      |
| 2-Fluorophenol               | 60      | 15-138         |      |      |      | Phenol-d6                   | 43      | 17-141         |      |      |      |
| Nitrobenzene-d5              | 83      | 56-123         |      |      |      | 2-Fluorobiphenyl            | 77      | 45-120         |      |      |      |
| 2,4,6-Tribromophenol         | 92      | 32-143         |      |      |      | p-Terphenyl-d14             | 76      | 46-133         |      |      |      |

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



# Analytical Report



Weston Solutions  
 2433 Impala Drive  
 Carlsbad, CA 92008-7227

Date Received: 10/05/06  
 Work Order No: 06-10-0333  
 Preparation: EPA 3510B  
 Method: EPA 8270C  
 Units: ug/L

Project: POLB / TMDL Support

Page 3 of 6

| Client Sample Number | Lab Sample Number | Date Collected | Matrix  | Date Prepared | Date Analyzed | QC Batch ID |
|----------------------|-------------------|----------------|---------|---------------|---------------|-------------|
| LBM-3                | 06-10-0333-5      | 10/05/06       | Aqueous | 10/10/06      | 10/12/06      | 061010L09   |

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    |      |
| Naphthalene                  | ND      | 5.0            | 0.72 | 1    |      | 3,3'-Dichlorobenzidine      | ND      | 5.0            | 0.63 | 1    |      |
| Hexachloro-1,3-Butadiene     | ND      | 5.0            | 0.59 | 1    |      | Benzo (a) Anthracene        | ND      | 5.0            | 0.56 | 1    |      |
| 4-Chloro-3-Methylphenol      | ND      | 5.0            | 0.58 | 1    |      | Bis(2-Ethylhexyl) Phthalate | ND      | 5.0            | 0.51 | 1    |      |
| Hexachlorocyclopentadiene    | ND      | 15             | 0.22 | 1    |      | Chrysene                    | ND      | 5.0            | 0.64 | 1    |      |
| 2,4,6-Trichlorophenol        | ND      | 5.0            | 0.61 | 1    |      | Di-n-Octyl Phthalate        | ND      | 5.0            | 0.50 | 1    |      |
| 2-Chloronaphthalene          | ND      | 5.0            | 0.65 | 1    |      | Benzo (k) Fluoranthene      | ND      | 5.0            | 0.85 | 1    |      |
| Dimethyl Phthalate           | ND      | 5.0            | 0.65 | 1    |      | Benzo (b) Fluoranthene      | ND      | 5.0            | 0.62 | 1    |      |
| Acenaphthylene               | ND      | 5.0            | 0.72 | 1    |      | Benzo (a) Pyrene            | ND      | 5.0            | 0.44 | 1    |      |
| Acenaphthene                 | ND      | 5.0            | 0.70 | 1    |      | Benzo (g,h,i) Perylene      | ND      | 5.0            | 0.36 | 1    |      |
| 2,4-Dinitrophenol            | ND      | 25             | 1.3  | 1    |      | Indeno (1,2,3-c,d) Pyrene   | ND      | 5.0            | 0.42 | 1    |      |
| 4-Nitrophenol                | ND      | 5.0            | 0.43 | 1    |      | Dibenz (a,h) Anthracene     | ND      | 5.0            | 0.41 | 1    |      |
| Surrogates:                  | REC (%) | Control Limits |      | Qual |      | Surrogates:                 | REC (%) | Control Limits |      | Qual |      |
| 2-Fluorophenol               | 71      | 15-138         |      |      |      | Phenol-d6                   | 49      | 17-141         |      |      |      |
| Nitrobenzene-d5              | 83      | 56-123         |      |      |      | 2-Fluorobiphenyl            | 84      | 45-120         |      |      |      |
| 2,4,6-Tribromophenol         | 88      | 32-143         |      |      |      | p-Terphenyl-d14             | 76      | 46-133         |      |      |      |

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

# Analytical Report



Weston Solutions  
 2433 Impala Drive  
 Carlsbad, CA 92008-7227

Date Received: 10/05/06  
 Work Order No: 06-10-0333  
 Preparation: EPA 3510B  
 Method: EPA 8270C  
 Units: ug/L

Project: POLB / TMDL Support

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| Client Sample Number | Lab Sample Number | Date Collected | Matrix  | Date Prepared | Date Analyzed | QC Batch ID |
|----------------------|-------------------|----------------|---------|---------------|---------------|-------------|
| LBI-9                | 06-10-0333-6      | 10/05/06       | Aqueous | 10/10/06      | 10/12/06      | 061010L09   |

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    |      |
| Naphthalene                  | ND      | 5.0            | 0.72 | 1    |      | 3,3'-Dichlorobenzidine      | ND      | 5.0            | 0.63 | 1    |      |
| Hexachloro-1,3-Butadiene     | ND      | 5.0            | 0.59 | 1    |      | Benzo (a) Anthracene        | ND      | 5.0            | 0.56 | 1    |      |
| 4-Chloro-3-Methylphenol      | ND      | 5.0            | 0.58 | 1    |      | Bis(2-Ethylhexyl) Phthalate | ND      | 5.0            | 0.51 | 1    |      |
| Hexachlorocyclopentadiene    | ND      | 15             | 0.22 | 1    |      | Chrysene                    | ND      | 5.0            | 0.64 | 1    |      |
| 2,4,6-Trichlorophenol        | ND      | 5.0            | 0.61 | 1    |      | Di-n-Octyl Phthalate        | ND      | 5.0            | 0.50 | 1    |      |
| 2-Chloronaphthalene          | ND      | 5.0            | 0.65 | 1    |      | Benzo (k) Fluoranthene      | ND      | 5.0            | 0.85 | 1    |      |
| Dimethyl Phthalate           | ND      | 5.0            | 0.65 | 1    |      | Benzo (b) Fluoranthene      | ND      | 5.0            | 0.62 | 1    |      |
| Acenaphthylene               | ND      | 5.0            | 0.72 | 1    |      | Benzo (a) Pyrene            | ND      | 5.0            | 0.44 | 1    |      |
| Acenaphthene                 | ND      | 5.0            | 0.70 | 1    |      | Benzo (g,h,i) Perylene      | ND      | 5.0            | 0.36 | 1    |      |
| 2,4-Dinitrophenol            | ND      | 25             | 1.3  | 1    |      | Indeno (1,2,3-c,d) Pyrene   | ND      | 5.0            | 0.42 | 1    |      |
| 4-Nitrophenol                | ND      | 5.0            | 0.43 | 1    |      | Dibenz (a,h) Anthracene     | ND      | 5.0            | 0.41 | 1    |      |
| Surrogates:                  | REC (%) | Control Limits |      | Qual |      | Surrogates:                 | REC (%) | Control Limits |      | Qual |      |
| 2-Fluorophenol               | 62      | 15-138         |      |      |      | Phenol-d6                   | 43      | 17-141         |      |      |      |
| Nitrobenzene-d5              | 73      | 56-123         |      |      |      | 2-Fluorobiphenyl            | 75      | 45-120         |      |      |      |
| 2,4,6-Tribromophenol         | 79      | 32-143         |      |      |      | p-Terphenyl-d14             | 65      | 46-133         |      |      |      |

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

# Analytical Report



Weston Solutions  
 2433 Impala Drive  
 Carlsbad, CA 92008-7227

Date Received: 10/05/06  
 Work Order No: 06-10-0333  
 Preparation: EPA 3510B  
 Method: EPA 8270C  
 Units: ug/L

Project: POLB / TMDL Support

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| Client Sample Number | Lab Sample Number | Date Collected | Matrix  | Date Prepared | Date Analyzed | QC Batch ID |
|----------------------|-------------------|----------------|---------|---------------|---------------|-------------|
| LBI-7                | 06-10-0333-7      | 10/05/06       | Aqueous | 10/10/06      | 10/12/06      | 061010L09   |

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    |      |
| Naphthalene                  | ND      | 5.0            | 0.72 | 1    |      | 3,3'-Dichlorobenzidine      | ND      | 5.0            | 0.63 | 1    |      |
| Hexachloro-1,3-Butadiene     | ND      | 5.0            | 0.59 | 1    |      | Benzo (a) Anthracene        | ND      | 5.0            | 0.56 | 1    |      |
| 4-Chloro-3-Methylphenol      | ND      | 5.0            | 0.58 | 1    |      | Bis(2-Ethylhexyl) Phthalate | ND      | 5.0            | 0.51 | 1    |      |
| Hexachlorocyclopentadiene    | ND      | 15             | 0.22 | 1    |      | Chrysene                    | ND      | 5.0            | 0.64 | 1    |      |
| 2,4,6-Trichlorophenol        | ND      | 5.0            | 0.61 | 1    |      | Di-n-Octyl Phthalate        | ND      | 5.0            | 0.50 | 1    |      |
| 2-Chloronaphthalene          | ND      | 5.0            | 0.65 | 1    |      | Benzo (k) Fluoranthene      | ND      | 5.0            | 0.85 | 1    |      |
| Dimethyl Phthalate           | ND      | 5.0            | 0.65 | 1    |      | Benzo (b) Fluoranthene      | ND      | 5.0            | 0.62 | 1    |      |
| Acenaphthylene               | ND      | 5.0            | 0.72 | 1    |      | Benzo (a) Pyrene            | ND      | 5.0            | 0.44 | 1    |      |
| Acenaphthene                 | ND      | 5.0            | 0.70 | 1    |      | Benzo (g,h,i) Perylene      | ND      | 5.0            | 0.36 | 1    |      |
| 2,4-Dinitrophenol            | ND      | 25             | 1.3  | 1    |      | Indeno (1,2,3-c,d) Pyrene   | ND      | 5.0            | 0.42 | 1    |      |
| 4-Nitrophenol                | ND      | 5.0            | 0.43 | 1    |      | Dibenz (a,h) Anthracene     | ND      | 5.0            | 0.41 | 1    |      |
| Surrogates:                  | REC (%) | Control Limits |      | Qual |      | Surrogates:                 | REC (%) | Control Limits |      | Qual |      |
| 2-Fluorophenol               | 68      | 15-138         |      |      |      | Phenol-d6                   | 47      | 17-141         |      |      |      |
| Nitrobenzene-d5              | 82      | 56-123         |      |      |      | 2-Fluorobiphenyl            | 84      | 45-120         |      |      |      |
| 2,4,6-Tribromophenol         | 87      | 32-143         |      |      |      | p-Terphenyl-d14             | 77      | 46-133         |      |      |      |

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

# Analytical Report



Weston Solutions  
2433 Impala Drive  
Carlsbad, CA 92008-7227

Date Received: 10/05/06  
Work Order No: 06-10-0333  
Preparation: EPA 3510B  
Method: EPA 8270C  
Units: ug/L

Project: POLB / TMDL Support

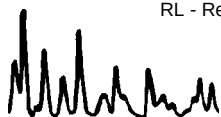
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| Client Sample Number | Lab Sample Number | Date Collected | Matrix  | Date Prepared | Date Analyzed | QC Batch ID |
|----------------------|-------------------|----------------|---------|---------------|---------------|-------------|
| Method Blank         | 099-03-006-205    | N/A            | Aqueous | 10/10/06      | 10/12/06      | 061010L09   |

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    |      |
| Naphthalene                  | ND      | 5.0            | 0.72 | 1    |      | 3,3'-Dichlorobenzidine      | ND      | 5.0            | 0.63 | 1    |      |
| Hexachloro-1,3-Butadiene     | ND      | 5.0            | 0.59 | 1    |      | Benzo (a) Anthracene        | ND      | 5.0            | 0.56 | 1    |      |
| 4-Chloro-3-Methylphenol      | ND      | 5.0            | 0.58 | 1    |      | Bis(2-Ethylhexyl) Phthalate | 0.92    | 5.0            | 0.51 | 1    | J    |
| Hexachlorocyclopentadiene    | ND      | 15             | 0.22 | 1    |      | Chrysene                    | ND      | 5.0            | 0.64 | 1    |      |
| 2,4,6-Trichlorophenol        | ND      | 5.0            | 0.61 | 1    |      | Di-n-Octyl Phthalate        | ND      | 5.0            | 0.50 | 1    |      |
| 2-Chloronaphthalene          | ND      | 5.0            | 0.65 | 1    |      | Benzo (k) Fluoranthene      | ND      | 5.0            | 0.85 | 1    |      |
| Dimethyl Phthalate           | ND      | 5.0            | 0.65 | 1    |      | Benzo (b) Fluoranthene      | ND      | 5.0            | 0.62 | 1    |      |
| Acenaphthylene               | ND      | 5.0            | 0.72 | 1    |      | Benzo (a) Pyrene            | ND      | 5.0            | 0.44 | 1    |      |
| Acenaphthene                 | ND      | 5.0            | 0.70 | 1    |      | Benzo (g,h,i) Perylene      | ND      | 5.0            | 0.36 | 1    |      |
| 2,4-Dinitrophenol            | ND      | 25             | 1.3  | 1    |      | Indeno (1,2,3-c,d) Pyrene   | ND      | 5.0            | 0.42 | 1    |      |
| 4-Nitrophenol                | ND      | 5.0            | 0.43 | 1    |      | Dibenz (a,h) Anthracene     | ND      | 5.0            | 0.41 | 1    |      |
| Surrogates:                  | REC (%) | Control Limits |      | Qual |      | Surrogates:                 | REC (%) | Control Limits |      | Qual |      |
| 2-Fluorophenol               | 74      | 15-138         |      |      |      | Phenol-d6                   | 52      | 17-141         |      |      |      |
| Nitrobenzene-d5              | 89      | 56-123         |      |      |      | 2-Fluorobiphenyl            | 91      | 45-120         |      |      |      |
| 2,4,6-Tribromophenol         | 101     | 32-143         |      |      |      | p-Terphenyl-d14             | 78      | 46-133         |      |      |      |

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



# Analytical Report



Weston Solutions  
 2433 Impala Drive  
 Carlsbad, CA 92008-7227

Date Received: 10/05/06  
 Work Order No: 06-10-0333  
 Preparation: EPA 3510B  
 Method: Organotins by Krone  
 Units: ng/L

Project: POLB / TMDL Support

Page 1 of 2

| Client Sample Number | Lab Sample Number   | Date Collected  | Matrix         | Date Prepared   | Date Analyzed   | QC Batch ID      |
|----------------------|---------------------|-----------------|----------------|-----------------|-----------------|------------------|
| <b>LBM-1</b>         | <b>06-10-0333-3</b> | <b>10/05/06</b> | <b>Aqueous</b> | <b>10/11/06</b> | <b>10/12/06</b> | <b>061011L06</b> |

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 |
|--------------|---------|----------------|------|----|------|---------------|--------|-----|------|----|------|
| 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 |               |        |     |      |    |      |
| Tripentyltin | 122     | 50-130         |      |    |      |               |        |     |      |    |      |

|               |                     |                 |                |                 |                 |                  |
|---------------|---------------------|-----------------|----------------|-----------------|-----------------|------------------|
| <b>LBM-10</b> | <b>06-10-0333-4</b> | <b>10/05/06</b> | <b>Aqueous</b> | <b>10/11/06</b> | <b>10/13/06</b> | <b>061011L06</b> |
|---------------|---------------------|-----------------|----------------|-----------------|-----------------|------------------|

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 |
|--------------|---------|----------------|------|----|------|---------------|--------|-----|------|----|------|
| 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 |               |        |     |      |    |      |
| Tripentyltin | 114     | 50-130         |      |    |      |               |        |     |      |    |      |

|              |                     |                 |                |                 |                 |                  |
|--------------|---------------------|-----------------|----------------|-----------------|-----------------|------------------|
| <b>LBM-3</b> | <b>06-10-0333-5</b> | <b>10/05/06</b> | <b>Aqueous</b> | <b>10/11/06</b> | <b>10/13/06</b> | <b>061011L06</b> |
|--------------|---------------------|-----------------|----------------|-----------------|-----------------|------------------|

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 |
|--------------|---------|----------------|------|----|------|---------------|--------|-----|------|----|------|
| 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 |               |        |     |      |    |      |
| Tripentyltin | 57      | 50-130         |      |    |      |               |        |     |      |    |      |

|              |                     |                 |                |                 |                 |                  |
|--------------|---------------------|-----------------|----------------|-----------------|-----------------|------------------|
| <b>LBI-9</b> | <b>06-10-0333-6</b> | <b>10/05/06</b> | <b>Aqueous</b> | <b>10/11/06</b> | <b>10/13/06</b> | <b>061011L06</b> |
|--------------|---------------------|-----------------|----------------|-----------------|-----------------|------------------|

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

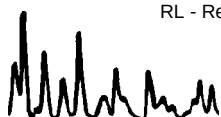
| Parameter    | Result  | RL             | MDL  | DF | Qual | Parameter     | Result | RL  | MDL  | DF | Qual |
|--------------|---------|----------------|------|----|------|---------------|--------|-----|------|----|------|
| Dibutyltin   | ND      | 3.0            | 0.98 | 1  |      | Tetrabutyltin | 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 |               |        |     |      |    |      |
| Tripentyltin | 60      | 50-130         |      |    |      |               |        |     |      |    |      |

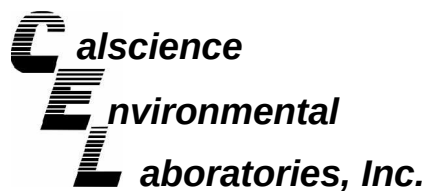
|              |                     |                 |                |                 |                 |                  |
|--------------|---------------------|-----------------|----------------|-----------------|-----------------|------------------|
| <b>LBI-7</b> | <b>06-10-0333-7</b> | <b>10/05/06</b> | <b>Aqueous</b> | <b>10/11/06</b> | <b>10/13/06</b> | <b>061011L06</b> |
|--------------|---------------------|-----------------|----------------|-----------------|-----------------|------------------|

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 |
|--------------|---------|----------------|------|----|------|---------------|--------|-----|------|----|------|
| 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 |               |        |     |      |    |      |
| Tripentyltin | 57      | 50-130         |      |    |      |               |        |     |      |    |      |

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





## Analytical Report



Weston Solutions  
2433 Impala Drive  
Carlsbad, CA 92008-7227

Date Received: 10/05/06  
Work Order No: 06-10-0333  
Preparation: EPA 3510B  
Method: Organotins by Krone  
Units: ng/L

Project: POLB / TMDL Support

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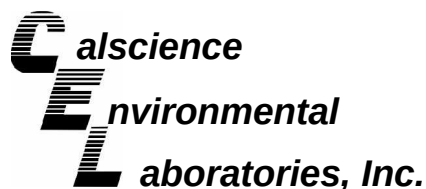
| Client Sample Number | Lab Sample Number | Date Collected | Matrix  | Date Prepared | Date Analyzed | QC Batch ID |
|----------------------|-------------------|----------------|---------|---------------|---------------|-------------|
| Method Blank         | 099-07-035-38     | N/A            | Aqueous | 10/11/06      | 10/12/06      | 061011L06   |

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  |      |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> |      |    | <u>Qual</u> |               |        |     |      |    |      |
| Triphenyltin       | 86             | 50-130                |      |    |             |               |        |     |      |    |      |

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





## Analytical Report



Weston Solutions  
2433 Impala Drive  
Carlsbad, CA 92008-7227

Date Received: 10/05/06  
Work Order No: 06-10-0333  
Preparation: EPA 3510B  
Method: EPA 8081A/8082  
Units: ug/L

Project: POLB / TMDL Support

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| Client Sample Number | Lab Sample Number | Date Collected | Matrix  | Date Prepared | Date Analyzed | QC Batch ID |
|----------------------|-------------------|----------------|---------|---------------|---------------|-------------|
| LBM-1                | 06-10-0333-3      | 10/05/06       | Aqueous | 10/10/06      | 10/13/06      | 061010L10   |

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

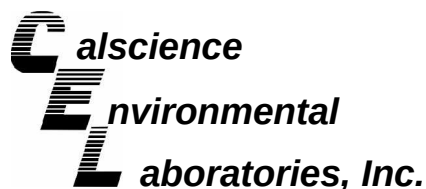
| Parameter          | Result  | RL             | MDL    | DF | Qual | Parameter                    | Result  | RL             | MDL    | DF | Qual |
|--------------------|---------|----------------|--------|----|------|------------------------------|---------|----------------|--------|----|------|
| 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 | 86      | 50-135         |        |    |      | 2,4,5,6-Tetrachloro-m-Xylene | 65      | 50-135         |        |    |      |

|        |              |          |         |          |          |           |
|--------|--------------|----------|---------|----------|----------|-----------|
| LBM-10 | 06-10-0333-4 | 10/05/06 | Aqueous | 10/10/06 | 10/13/06 | 061010L10 |
|--------|--------------|----------|---------|----------|----------|-----------|

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 | 93      | 50-135         |        |    |      | 2,4,5,6-Tetrachloro-m-Xylene | 70      | 50-135         |        |    |      |

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



## Analytical Report



Weston Solutions  
2433 Impala Drive  
Carlsbad, CA 92008-7227

Date Received: 10/05/06  
Work Order No: 06-10-0333  
Preparation: EPA 3510B  
Method: EPA 8081A/8082  
Units: ug/L

Project: POLB / TMDL Support

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| Client Sample Number | Lab Sample Number | Date Collected | Matrix  | Date Prepared | Date Analyzed | QC Batch ID |
|----------------------|-------------------|----------------|---------|---------------|---------------|-------------|
| LBM-3                | 06-10-0333-5      | 10/05/06       | Aqueous | 10/10/06      | 10/13/06      | 061010L10   |

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

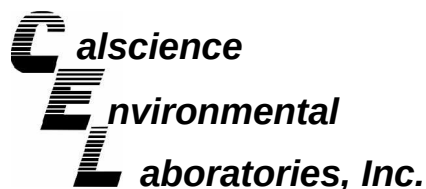
| Parameter          | Result  | RL             | MDL    | DF | Qual | Parameter                    | Result  | RL             | MDL    | DF | Qual |
|--------------------|---------|----------------|--------|----|------|------------------------------|---------|----------------|--------|----|------|
| 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 | 94      | 50-135         |        |    |      | 2,4,5,6-Tetrachloro-m-Xylene | 69      | 50-135         |        |    |      |

| 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 | 88      | 50-135         |        |    |      | 2,4,5,6-Tetrachloro-m-Xylene | 64      | 50-135         |        |    |      |

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 | 88      | 50-135         |        |    |      | 2,4,5,6-Tetrachloro-m-Xylene | 64      | 50-135         |        |    |      |

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



## Analytical Report



Weston Solutions  
2433 Impala Drive  
Carlsbad, CA 92008-7227

Date Received: 10/05/06  
Work Order No: 06-10-0333  
Preparation: EPA 3510B  
Method: EPA 8081A/8082  
Units: ug/L

Project: POLB / TMDL Support

Page 3 of 3

| Client Sample Number | Lab Sample Number | Date Collected | Matrix  | Date Prepared | Date Analyzed | QC Batch ID |
|----------------------|-------------------|----------------|---------|---------------|---------------|-------------|
| LBI-7                | 06-10-0333-7      | 10/05/06       | Aqueous | 10/10/06      | 10/14/06      | 061010L10   |

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

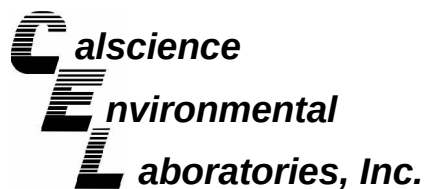
| Parameter          | Result  | RL             | MDL    | DF | Qual | Parameter                    | Result  | RL             | MDL    | DF | Qual |
|--------------------|---------|----------------|--------|----|------|------------------------------|---------|----------------|--------|----|------|
| 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 | 95      | 50-135         |        |    |      | 2,4,5,6-Tetrachloro-m-Xylene | 67      | 50-135         |        |    |      |

|              |              |     |         |          |          |           |
|--------------|--------------|-----|---------|----------|----------|-----------|
| Method Blank | 099-12-422-3 | N/A | Aqueous | 10/10/06 | 10/13/06 | 061010L10 |
|--------------|--------------|-----|---------|----------|----------|-----------|

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 | 77      | 50-135         |        |    |      | 2,4,5,6-Tetrachloro-m-Xylene | 74      | 50-135         |        |    |      |

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



## Analytical Report



Weston Solutions  
2433 Impala Drive  
Carlsbad, CA 92008-7227

Date Received: 10/05/06  
Work Order No: 06-10-0333

Project: POLB / TMDL Support

Page 1 of 2

| Client Sample Number | Lab Sample Number   | Date Collected  | Matrix         |
|----------------------|---------------------|-----------------|----------------|
| <b>LBM-1</b>         | <b>06-10-0333-3</b> | <b>10/05/06</b> | <b>Aqueous</b> |

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                | 1.4    | 1.0 |      | 1  |      | mg/L  | N/A           | 10/10/06      | EPA 413.1 |
| Carbon, Total Organic (1)     | 0.69   | 5.0 | 0.21 | 10 | J    | mg/L  | N/A           | 10/11/06      | EPA 415.1 |
| Carbon, Dissolved Organic (1) | 1.0    | 5.0 | 0.21 | 10 | J    | mg/L  | 10/06/06      | 10/06/06      | EPA 415.1 |

|               |                     |                 |                |
|---------------|---------------------|-----------------|----------------|
| <b>LBM-10</b> | <b>06-10-0333-4</b> | <b>10/05/06</b> | <b>Aqueous</b> |
|---------------|---------------------|-----------------|----------------|

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           | 10/10/06      | EPA 413.1 |
| Carbon, Total Organic (1)     | 0.90   | 5.0 | 0.21 | 10 | J    | mg/L  | N/A           | 10/11/06      | EPA 415.1 |
| Carbon, Dissolved Organic (1) | 1.3    | 5.0 | 0.21 | 10 | J    | mg/L  | 10/06/06      | 10/06/06      | EPA 415.1 |

|              |                     |                 |                |
|--------------|---------------------|-----------------|----------------|
| <b>LBM-3</b> | <b>06-10-0333-5</b> | <b>10/05/06</b> | <b>Aqueous</b> |
|--------------|---------------------|-----------------|----------------|

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

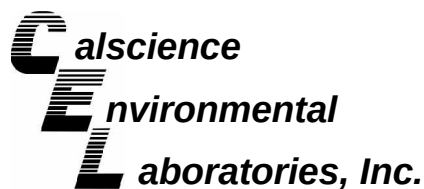
| Parameter                     | Result | RL  | MDL  | DF | Qual | Units | Date Prepared | Date Analyzed | Method    |
|-------------------------------|--------|-----|------|----|------|-------|---------------|---------------|-----------|
| Oil and Grease                | 1.9    | 1.0 |      | 1  |      | mg/L  | N/A           | 10/10/06      | EPA 413.1 |
| Carbon, Total Organic (1)     | 0.84   | 5.0 | 0.21 | 10 | J    | mg/L  | N/A           | 10/11/06      | EPA 415.1 |
| Carbon, Dissolved Organic (1) | 0.96   | 5.0 | 0.21 | 10 | J    | mg/L  | 10/06/06      | 10/06/06      | EPA 415.1 |

|              |                     |                 |                |
|--------------|---------------------|-----------------|----------------|
| <b>LBI-9</b> | <b>06-10-0333-6</b> | <b>10/05/06</b> | <b>Aqueous</b> |
|--------------|---------------------|-----------------|----------------|

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                | 2.3    | 1.0 |      | 1  |      | mg/L  | N/A           | 10/10/06      | EPA 413.1 |
| Carbon, Total Organic (1)     | 1.1    | 5.0 | 0.21 | 10 | J    | mg/L  | N/A           | 10/11/06      | EPA 415.1 |
| Carbon, Dissolved Organic (1) | 1.1    | 5.0 | 0.21 | 10 | J    | mg/L  | 10/06/06      | 10/06/06      | EPA 415.1 |

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



## Analytical Report



Weston Solutions  
2433 Impala Drive  
Carlsbad, CA 92008-7227

Date Received: 10/05/06  
Work Order No: 06-10-0333

Project: POLB / TMDL Support

Page 2 of 2

| Client Sample Number | Lab Sample Number | Date Collected | Matrix  |
|----------------------|-------------------|----------------|---------|
| LBI-7                | 06-10-0333-7      | 10/05/06       | 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.

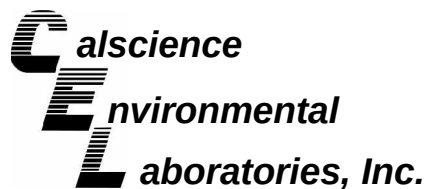
| Parameter                     | Result | RL  | MDL  | DF | Qual | Units | Date Prepared | Date Analyzed | Method    |
|-------------------------------|--------|-----|------|----|------|-------|---------------|---------------|-----------|
| Oil and Grease                | 1.4    | 1.0 |      | 1  |      | mg/L  | N/A           | 10/10/06      | EPA 413.1 |
| Carbon, Total Organic (1)     | 0.96   | 5.0 | 0.21 | 10 | J    | mg/L  | N/A           | 10/11/06      | EPA 415.1 |
| Carbon, Dissolved Organic (1) | 1.2    | 5.0 | 0.21 | 10 | J    | mg/L  | 10/06/06      | 10/06/06      | 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           | 10/10/06      | EPA 413.1 |
| Carbon, Total Organic (1)     | ND     | 0.50 | 0.021 | 1  |      | mg/L  | N/A           | 10/11/06      | EPA 415.1 |
| Carbon, Dissolved Organic (1) | ND     | 0.50 | 0.021 | 1  |      | mg/L  | 10/06/06      | 10/06/06      | EPA 415.1 |

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



## Quality Control - Spike/Spike Duplicate



Weston Solutions  
2433 Impala Drive  
Carlsbad, CA 92008-7227

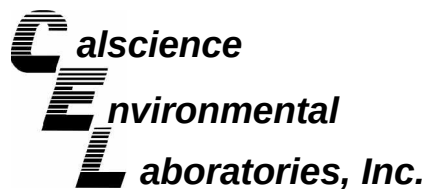
Date Received: 10/05/06  
Work Order No: 06-10-0333  
Preparation: EPA 5030B  
Method: EPA 8015B

Project POLB / TMDL Support

| Quality Control Sample ID | Matrix  | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|---------|------------|---------------|---------------|---------------------|
| LBM-1                     | Aqueous | GC 24      | 10/10/06      | 10/11/06      | 061010S01           |

| Parameter               | MS %REC | MSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|-------------------------|---------|----------|---------|-----|--------|------------|
| Gasoline Range Organics | 80      | 83       | 68-122  | 4   | 0-18   |            |

RPD - Relative Percent Difference , CL - Control Limit



# Quality Control - Spike/Spike Duplicate



Weston Solutions  
2433 Impala Drive  
Carlsbad, CA 92008-7227

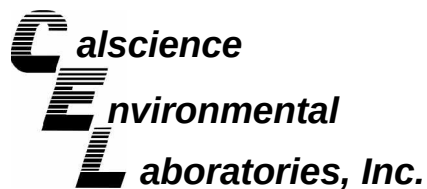
Date Received: 10/05/06  
Work Order No: 06-10-0333  
Preparation: EPA 3510C  
Method: EPA 8015B

Project POLB / TMDL Support

| Quality Control Sample ID | Matrix  | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|---------|------------|---------------|---------------|---------------------|
| LBM-1                     | Aqueous | GC 15      | 10/10/06      | 10/11/06      | 061010S06           |

| Parameter             | MS %REC | MSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|-----------------------|---------|----------|---------|-----|--------|------------|
| Diesel Range Organics | 95      | 87       | 55-133  | 9   | 0-30   |            |

RPD - Relative Percent Difference , CL - Control Limit



## Quality Control - Spike/Spike Duplicate



Weston Solutions  
2433 Impala Drive  
Carlsbad, CA 92008-7227

Date Received: 10/05/06  
Work Order No: 06-10-0333  
Preparation: EPA 3510B  
Method: EPA 8270C

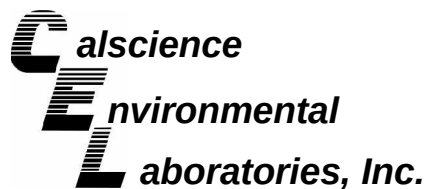
Project POLB / TMDL Support

| Quality Control Sample ID | Matrix  | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|---------|------------|---------------|---------------|---------------------|
| LBM-1                     | Aqueous | GC/MS J    | 10/10/06      | 10/13/06      | 061010S09           |

| Parameter                  | MS %REC | MSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|----------------------------|---------|----------|---------|-----|--------|------------|
| Phenol                     | 39      | 52       | 12-151  | 30  | 0-23   | 4          |
| 2-Chlorophenol             | 70      | 88       | 45-135  | 24  | 0-18   | 4          |
| 1,4-Dichlorobenzene        | 70      | 89       | 36-118  | 24  | 0-26   |            |
| N-Nitroso-di-n-propylamine | 75      | 92       | 52-128  | 21  | 0-13   | 4          |
| 1,2,4-Trichlorobenzene     | 69      | 88       | 42-120  | 24  | 0-21   | 4          |
| 4-Chloro-3-Methylphenol    | 69      | 86       | 20-150  | 23  | 0-40   |            |
| Acenaphthene               | 69      | 88       | 51-137  | 24  | 0-11   | 4          |
| 4-Nitrophenol              | 21      | 44       | 20-150  | 72  | 0-40   | 4          |
| 2,4-Dinitrotoluene         | 68      | 87       | 25-143  | 25  | 0-36   |            |
| Pentachlorophenol          | 55      | 83       | 20-150  | 39  | 0-40   |            |
| Pyrene                     | 66      | 83       | 45-135  | 23  | 0-20   | 4          |

RPD - Relative Percent Difference , CL - Control Limit





## Quality Control - Spike/Spike Duplicate



Weston Solutions  
2433 Impala Drive  
Carlsbad, CA 92008-7227

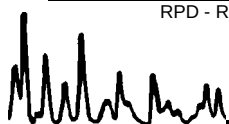
Date Received: 10/05/06  
Work Order No: 06-10-0333  
Preparation: EPA 3510B  
Method: Organotins by Krone

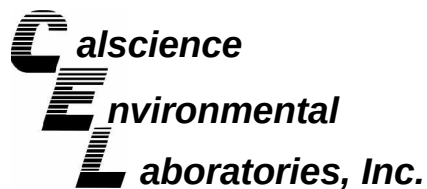
Project POLB / TMDL Support

| Quality Control Sample ID | Matrix  | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|---------|------------|---------------|---------------|---------------------|
| LBM-1                     | Aqueous | GC/MS Y    | 10/11/06      | 10/12/06      | 061011S06           |

| Parameter     | MS %REC | MSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|---------------|---------|----------|---------|-----|--------|------------|
| Tetrabutyltin | 59      | 42       | 50-130  | 34  | 0-20   | 4,3        |
| Tributyltin   | 89      | 66       | 50-130  | 30  | 0-20   | 4          |

RPD - Relative Percent Difference , CL - Control Limit





## Quality Control - Spike/Spike Duplicate



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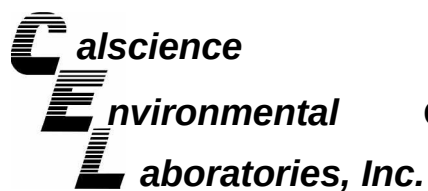
Date Received: 10/05/06  
Work Order No: 06-10-0333  
Preparation: EPA 3510B  
Method: EPA 8081A/8082

Project POLB / TMDL Support

| Quality Control Sample ID | Matrix  | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|---------|------------|---------------|---------------|---------------------|
| LBM-1                     | Aqueous | GC 16      | 10/10/06      | 10/13/06      | 061010S10           |

| Parameter    | MS %REC | MSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|--------------|---------|----------|---------|-----|--------|------------|
| Gamma-BHC    | 96      | 99       | 50-135  | 2   | 0-25   |            |
| Heptachlor   | 83      | 80       | 50-135  | 5   | 0-25   |            |
| Endosulfan I | 86      | 84       | 50-135  | 2   | 0-25   |            |
| Dieldrin     | 94      | 91       | 50-135  | 3   | 0-25   |            |
| Endrin       | 109     | 108      | 50-135  | 1   | 0-25   |            |
| 4,4'-DDT     | 84      | 81       | 50-135  | 4   | 0-25   |            |

RPD - Relative Percent Difference , CL - Control Limit



## Quality Control - Spike/Spike Duplicate



Weston Solutions  
2433 Impala Drive  
Carlsbad, CA 92008-7227

Date Received: N/A  
Work Order No: 06-10-0333

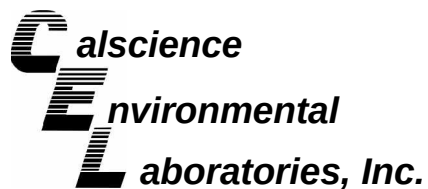
Project: POLB / TMDL Support

Matrix: Aqueous

| <u>Parameter</u>          | <u>Method</u> | <u>Quality Control<br/>Sample ID</u> | <u>Date<br/>Analyzed</u> | <u>Date<br/>Extracted</u> | <u>MS%<br/>REC</u> | <u>MSD %<br/>REC</u> | <u>%REC<br/>CL</u> | <u>RPD</u> | <u>RPD<br/>CL</u> | <u>Qualifiers</u> |
|---------------------------|---------------|--------------------------------------|--------------------------|---------------------------|--------------------|----------------------|--------------------|------------|-------------------|-------------------|
| Carbon, Total Organic     | EPA 415.1     | LBM-1                                | 10/11/06                 | N/A                       | 84                 | 85                   | 70-130             | 1          | 0-25              |                   |
| Carbon, Dissolved Organic | EPA 415.1     | LBM-1                                | 10/06/06                 | 10/6/06                   | 85                 | 84                   | 70-130             | 1          | 0-25              |                   |

RPD - Relative Percent Difference , CL - Control Limit

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## Quality Control - Duplicate



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Date Received: N/A  
Work Order No: 06-10-0333

Project: POLB / TMDL Support

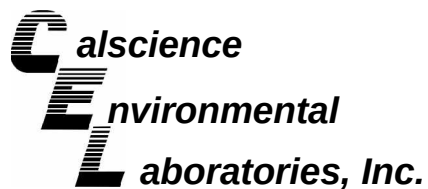
Matrix: Aqueous

| <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     | LBM-1               | 10/10/06             | 1.4                | 1.2             | 15         | 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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Carlsbad, CA 92008-7227

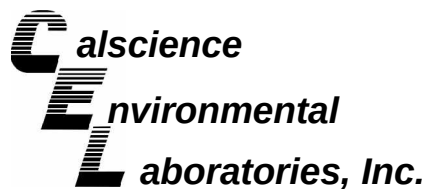
Date Received: N/A  
Work Order No: 06-10-0333  
Preparation: EPA 5030B  
Method: EPA 8015B

Project: POLB / TMDL Support

| Quality Control Sample ID | Matrix  | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|---------|------------|---------------|---------------|-----------------------|
| 099-12-022-231            | Aqueous | GC 24      | 10/10/06      | 10/10/06      | 061010B01             |

| Parameter               | LCS %REC | LCSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|-------------------------|----------|-----------|---------|-----|--------|------------|
| Gasoline Range Organics | 94       | 93        | 78-120  | 1   | 0-10   |            |

RPD - Relative Percent Difference , CL - Control Limit



## Quality Control - LCS/LCS Duplicate



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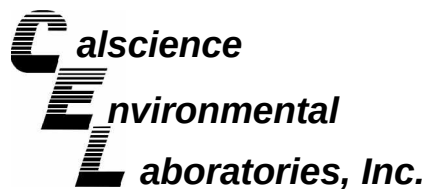
Date Received: N/A  
Work Order No: 06-10-0333  
Preparation: EPA 3510C  
Method: EPA 8015B

Project: POLB / TMDL Support

| Quality Control Sample ID | Matrix  | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|---------|------------|---------------|---------------|-----------------------|
| 099-12-211-15             | Aqueous | GC 15      | 10/10/06      | 10/10/06      | 061010B06             |

| Parameter             | LCS %REC | LCSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|-----------------------|----------|-----------|---------|-----|--------|------------|
| Diesel Range Organics | 84       | 90        | 75-117  | 8   | 0-13   |            |

RPD - Relative Percent Difference , CL - Control Limit



## Quality Control - LCS/LCS Duplicate



Weston Solutions  
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Carlsbad, CA 92008-7227

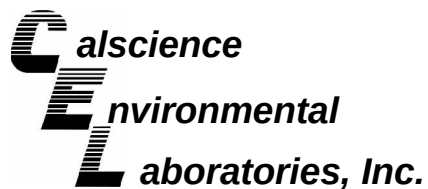
Date Received: N/A  
Work Order No: 06-10-0333  
Preparation: EPA 3510B  
Method: EPA 8270C

Project: POLB / TMDL Support

| Quality Control Sample ID | Matrix  | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|---------|------------|---------------|---------------|-----------------------|
| 099-03-006-205            | Aqueous | GC/MS J    | 10/10/06      | 10/12/06      | 061010L09             |

| Parameter                  | LCS %REC | LCSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|----------------------------|----------|-----------|---------|-----|--------|------------|
| Phenol                     | 45       | 45        | 12-151  | 1   | 0-23   |            |
| 2-Chlorophenol             | 95       | 96        | 45-135  | 1   | 0-18   |            |
| 1,4-Dichlorobenzene        | 95       | 96        | 36-118  | 1   | 0-26   |            |
| N-Nitroso-di-n-propylamine | 87       | 88        | 52-128  | 0   | 0-13   |            |
| 1,2,4-Trichlorobenzene     | 93       | 92        | 42-120  | 2   | 0-21   |            |
| 4-Chloro-3-Methylphenol    | 83       | 82        | 20-150  | 1   | 0-40   |            |
| Acenaphthene               | 94       | 93        | 51-137  | 0   | 0-11   |            |
| 4-Nitrophenol              | 41       | 41        | 20-150  | 2   | 0-40   |            |
| 2,4-Dinitrotoluene         | 107      | 105       | 25-143  | 2   | 0-36   |            |
| Pentachlorophenol          | 97       | 98        | 20-150  | 2   | 0-40   |            |
| Pyrene                     | 78       | 79        | 45-135  | 1   | 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: 06-10-0333  
Preparation: EPA 3510B  
Method: Organotins by Krone

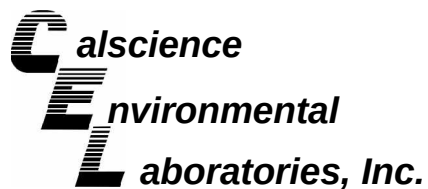
Project: POLB / TMDL Support

| Quality Control Sample ID | Matrix  | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|---------|------------|---------------|---------------|-----------------------|
| 099-07-035-38             | Aqueous | GC/MS Y    | 10/11/06      | 10/12/06      | 061011L06             |

| Parameter     | LCS %REC | LCSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|---------------|----------|-----------|---------|-----|--------|------------|
| Tetrabutyltin | 66       | 61        | 50-130  | 8   | 0-20   |            |
| Tributyltin   | 83       | 80        | 50-130  | 4   | 0-20   |            |

RPD - Relative Percent Difference , CL - Control Limit





## Quality Control - LCS/LCS Duplicate



Weston Solutions  
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Carlsbad, CA 92008-7227

Date Received: N/A  
Work Order No: 06-10-0333  
Preparation: EPA 3510B  
Method: EPA 8081A/8082

Project: POLB / TMDL Support

| Quality Control Sample ID | Matrix  | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|---------|------------|---------------|---------------|-----------------------|
| 099-12-422-3              | Aqueous | GC 16      | 10/10/06      | 10/13/06      | 061010L10             |

| Parameter    | LCS %REC | LCSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|--------------|----------|-----------|---------|-----|--------|------------|
| Gamma-BHC    | 84       | 86        | 50-135  | 1   | 0-25   |            |
| Heptachlor   | 83       | 73        | 50-135  | 13  | 0-25   |            |
| Endosulfan I | 75       | 73        | 50-135  | 3   | 0-25   |            |
| Dieldrin     | 80       | 78        | 50-135  | 2   | 0-25   |            |
| Endrin       | 92       | 87        | 50-135  | 5   | 0-25   |            |
| 4,4'-DDT     | 76       | 73        | 50-135  | 4   | 0-25   |            |

RPD - Relative Percent Difference , CL - Control Limit



## Quality Control - Laboratory Control Sample



Weston Solutions  
2433 Impala Drive  
Carlsbad, CA 92008-7227

Date Received:  
Work Order No:

N/A  
06-10-0333

Project: POLB / TMDL Support

Matrix : Aqueous

| <u>Parameter</u>          | <u>Method</u> | <u>Quality Control<br/>Sample ID</u> | <u>Date<br/>Analyzed</u> | <u>Date<br/>Extracted</u> | <u>Conc.<br/>Added</u> | <u>Conc.<br/>Recovered</u> | <u>LCS<br/>%Rec</u> | <u>%Rec<br/>CL</u> | <u>Qualifiers</u> |
|---------------------------|---------------|--------------------------------------|--------------------------|---------------------------|------------------------|----------------------------|---------------------|--------------------|-------------------|
| Carbon, Total Organic     | EPA 415.1     | 099-05-097-2,427                     | 10/11/06                 | N/A                       | 5.0                    | 5.3                        | 106                 | 80-120             |                   |
| Carbon, Dissolved Organic | EPA 415.1     | 099-05-115-533                       | 10/06/06                 | 10/06/06                  | 5.0                    | 5.1                        | 101                 | 80-120             |                   |

RPD - Relative Percent Difference , CL - Control Limit

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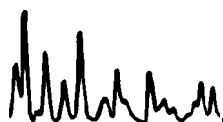
## Glossary of Terms and Qualifiers



Work Order Number: 06-10-0333

---

| <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.                                                                                                                                                                                  |



**Bob Stearns**

---

**To:** Shelly Anghera (E-mail)  
**Subject:** POLB

Shelly- As I mentioned earlier today, there have been two incidents of bottles being received broken. One, a one-liter amber glass for SVOCs, and another, a 250-ml glass for TOC. In the first case, we created a new bottle by using 500-mls from the Oil & Grease bottle. Although we just have 1/2 the volume for each test, we are intending restore the final reporting limits by cutting the final analysis volume in half. In the latter case, this sample happened to be a matrix spike sample, so we are able to use volume from one of the other bottles to perform the test.

Am not sending you these details to waste time or bore you. It is because we had a recent audit finding that we were not documenting sample receiving discrepancies and resolutions satisfactorily. So, I will put this memo in the file.

Bob Stearns

Client Services Director  
Calscience Environmental  
Laboratories, Inc.  
7440 Lincoln Way  
Garden Grove, CA 92841-1427  
Tel.: 714-895-5494  
Fax : 714-894-7501  
bstearns@calscience.com

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**Bob Stearns**

---

**From:** Anghera, Shelly [Shelly.Anghera@WestonSolutions.com]  
**Sent:** Thursday, October 12, 2006 3:03 PM  
**To:** mmercier@crglabs.com; Bob Stearns  
**Cc:** Watts, Susie  
**Subject:** POLB mid-water samples

Hello Misty and Bob,

We talked with the Port and compromised on a reduced list that I have budget for.

Can you please drop the following 10 samples. Bob, can you please let me know what I owe you for the dropped samples (including the samples sent to CRG). I would like these "extraction/filtering" costs to be separated from the rest of the "real" samples. Weston will be paying for this.

Thanks very much for the help, I am sorry this oversight occurred.

Shelly

Misty, please don't confuse this list with the overlying water you received directly from us, all of those samples are still a go.

Station  
LBI-2  
LBI-11

LBM-4  
LBM-6  
LBM-8

LBO-3  
LBO-4  
LBO-5  
LBO-6  
LBO-8

*Shelly Anghera Ph.D.  
Project Manager  
Weston Solutions, Inc.  
2433 Impala Drive  
Carlsbad, CA 92008  
wk 760-931-8081  
fax 760-931-1580  
cell 760-497-3527*

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10/17/2006



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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

0333  
CHAIN OF CUSTODY  
13315

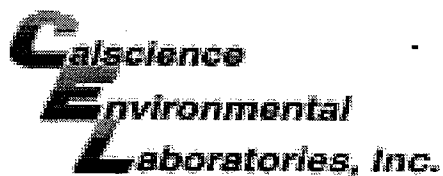
DATE 10/05/06 PAGE 1 OF 1

| PROJECT NAME / SURVEY / PROJECT NUMBER |              |         |       | ANALYSIS/TEST REQUESTED |    | FOR WESTON USE ONLY |  |
|----------------------------------------|--------------|---------|-------|-------------------------|----|---------------------|--|
| PROJECT MANAGER                        |              |         |       | RELINQUISHED BY         |    | RECEIVED BY         |  |
| COMPANY                                |              |         |       | RELINQUISHED BY         |    | RECEIVED BY         |  |
| ADDRESS                                |              |         |       | RELINQUISHED BY         |    | RECEIVED BY         |  |
| PHONE/FAX                              |              |         |       | RELINQUISHED BY         |    | RECEIVED BY         |  |
| SAMPLE I.D.                            |              |         |       | RELINQUISHED BY         |    | RECEIVED BY         |  |
| DATE                                   |              |         |       | RELINQUISHED BY         |    | RECEIVED BY         |  |
| TIME                                   |              |         |       | RELINQUISHED BY         |    | RECEIVED BY         |  |
| MATRIX                                 |              |         |       | RELINQUISHED BY         |    | RECEIVED BY         |  |
| INITIALS                               |              |         |       | RELINQUISHED BY         |    | RECEIVED BY         |  |
| 1                                      | LBm-8        | 10/5/06 | 08:45 | Water                   | 13 |                     |  |
| 2                                      | LBm-4        |         | 10:45 |                         |    |                     |  |
| 3                                      | LBm-1        |         | 11:20 |                         |    |                     |  |
| 4                                      | LBm-10       |         | 09:20 |                         |    |                     |  |
| 5                                      | LBm-3        |         | 12:45 |                         |    |                     |  |
| 6                                      | LBm-9        |         | 15:15 |                         |    |                     |  |
| 7                                      | LBm-7        |         | 14:15 |                         |    |                     |  |
| 38                                     | LBm-1-matrix |         | 11:20 |                         |    |                     |  |

SPECIAL INSTRUCTIONS/COMMENTS:

| SHIPPING:       |               |             |               | SAMPLE CONDITION UPON RECEIPT (FOR WESTON USE ONLY): |               |             |               |
|-----------------|---------------|-------------|---------------|------------------------------------------------------|---------------|-------------|---------------|
| Shipping V/A:   |               | Airbill No: |               | RELINQUISHED BY                                      |               | RECEIVED BY |               |
| RELINQUISHED BY |               | RECEIVED BY |               | RELINQUISHED BY                                      |               | RECEIVED BY |               |
| Signature       |               | Signature   |               | Signature                                            |               | Signature   |               |
| Firm            |               | Firm        |               | Firm                                                 |               | Firm        |               |
| Date/Time       |               | Date/Time   |               | Date/Time                                            |               | Date/Time   |               |
| Beth A. Weston  | 10/5/06 18:05 | Weston      | 10/5/06 18:05 | Shirleyana                                           | 10/5/06 18:00 | Shirleyana  | 10/5/06 18:00 |
| Signature       | Signature     | Signature   | Signature     | Signature                                            | Signature     | Signature   | Signature     |
| Firm            | Firm          | Firm        | Firm          | Firm                                                 | Firm          | Firm        | Firm          |
| Date/Time       | Date/Time     | Date/Time   | Date/Time     | Date/Time                                            | Date/Time     | Date/Time   | Date/Time     |

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


 WORK ORDER #: **06** - 1 0 - 0 3 3 3

 Cooler 1 of 4

## SAMPLE RECEIPT FORM

 CLIENT: WESTON

 DATE: 10/05/06
**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.

3.2 °C Temperature blank.

**LABORATORY (Other than Calscience Courier):**

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

 Initial: VB
**CUSTODY SEAL INTACT:**

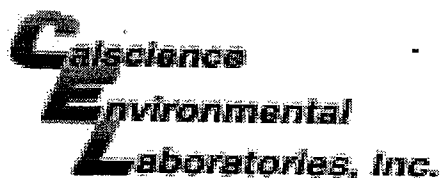
 Sample(s): \_\_\_\_\_ Cooler: \_\_\_\_\_ No (Not Intact) : \_\_\_\_\_ Not Applicable (N/A): ✓

 Initial: VB
**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> |          |          |
| Tedlar bag(s) free of condensation.....                       |          |          | <u>✓</u> |

 Initial: VB
**COMMENTS:**

LBI-1 are labeled as LDM-1  
Received one DOC bottle for LBI-1 arrived broken.  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_


 WORK ORDER #: **06** - 1 0 - 0 3 3 3

 Cooler 2 of 4

## SAMPLE RECEIPT FORM

 CLIENT: WESTON

 DATE: 10/05/06
**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.

32 °C Temperature blank.

**LABORATORY (Other than Calscience Courier):**

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

 Initial: VB
**CUSTODY SEAL INTACT:**

 Sample(s): \_\_\_\_\_ Cooler: \_\_\_\_\_ No (Not Intact) : \_\_\_\_\_ Not Applicable (N/A): ✓

 Initial: VB
**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> |          |          |
| Tedlar bag(s) free of condensation.....                       |          |          | <u>✓</u> |

 Initial: VB
**COMMENTS:**


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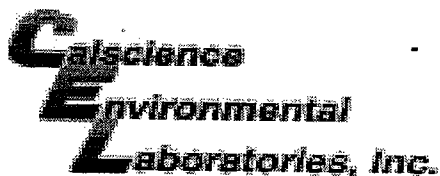
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WORK ORDER #: 06 - 10-0333

Cooler 3 of 4**SAMPLE RECEIPT FORM**CLIENT: WESTONDATE: 10/05/06**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.

32 °C Temperature blank.**LABORATORY (Other than Calscience Courier):**

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

Initial: VB**CUSTODY SEAL INTACT:**Sample(s): \_\_\_\_\_ Cooler: \_\_\_\_\_ No (Not Intact) : \_\_\_\_\_ Not Applicable (N/A): ✓Initial: VB**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> |          |          |
| Tedlar bag(s) free of condensation.....                       |          |          | <u>✓</u> |

Initial: VB**COMMENTS:**


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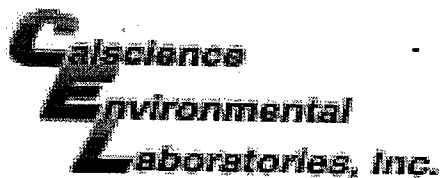
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 WORK ORDER #: **06** - 10 - 0333

 Cooler 4 of 4

## SAMPLE RECEIPT FORM

 CLIENT: WESTON

 DATE: 10/05/06
**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.

3.2 °C Temperature blank.

**LABORATORY (Other than Calscience Courier):**

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

 Initial: VB
**CUSTODY SEAL INTACT:**

 Sample(s): \_\_\_\_\_ Cooler: \_\_\_\_\_ No (Not Intact) : \_\_\_\_\_ Not Applicable (N/A): ☒

 Initial: VB
**SAMPLE CONDITION:**

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

 Initial: VB
**COMMENTS:**


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October 26, 2006

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

Re: CRG Marine Laboratories                      Project ID: P 26201c  
Calscience Environmental Laboratorie      Project ID: 06-10-0333 (Weston - POLB)

ATTN: Bob Stearns

CRG Laboratories is pleased to provide you with the enclosed analytical data report for your 06-10-0333 (Weston - POLB) project. According to the chain-of-custody, 5 samples were received intact at CRG on 10/6/2006. Per your instructions, the samples were 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 \_\_\_\_\_

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## ***Project Sample List***

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***Calscience Environmental***

***CRG Project ID:***     **26201c**

***Project Officer:***     Bob Stearns

***Project Description:*** 06-10-0333 (Weston - POLB)

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| <i><b>CRG<br/>Sample ID#</b></i> | <i><b>Client Sample ID</b></i> | <i><b>Sample Description</b></i> | <i><b>Date<br/>Sampled</b></i> | <i><b>Matrix</b></i> |
|----------------------------------|--------------------------------|----------------------------------|--------------------------------|----------------------|
| 45321                            | LBM-1                          |                                  | 05-Oct-06                      | Seawater             |
| 45322                            | LBM-10                         |                                  | 05-Oct-06                      | Seawater             |
| 45323                            | LBM-3                          |                                  | 05-Oct-06                      | Seawater             |
| 45324                            | LBI-9                          |                                  | 05-Oct-06                      | Seawater             |
| 45325                            | LBI-7                          |                                  | 05-Oct-06                      | Seawater             |

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# **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:** 26201c

**CRG ID#:** 45321

**Sample** LBM-1

**Date Sampled:** 05-Oct-06 11:20

**Replicate #:** R1

**Description:** 06-10-0333 (Weston - POLB)

**Date Received:** 06-Oct-06

**DILUTION FACTOR:** 1

**Matrix:** Seawater

| CONSTITUENT   | FRACTION    | METHOD     | RESULT  | UNITS | MDL   | RL    | DATE<br>PROCESSED | DATE<br>ANALYZED | BATCH ID     |
|---------------|-------------|------------|---------|-------|-------|-------|-------------------|------------------|--------------|
| Arsenic (As)  | Particulate | EPA 6020m  | ND      | µg/L  | 0.025 | 0.05  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Arsenic (As)  | Dissolved   | EPA 1640m  | 1.25    | µg/L  | 0.01  | 0.015 | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Cadmium (Cd)  | Particulate | EPA 6020m  | ND      | µg/L  | 0.025 | 0.05  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Cadmium (Cd)  | Dissolved   | EPA 1640m  | 0.016   | µg/L  | 0.005 | 0.01  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Chromium (Cr) | Particulate | EPA 6020m  | 0.13    | µg/L  | 0.025 | 0.05  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Chromium (Cr) | Dissolved   | EPA 1640m  | 0.34    | µg/L  | 0.025 | 0.05  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Copper (Cu)   | Particulate | EPA 6020m  | 0.124   | µg/L  | 0.025 | 0.05  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Copper (Cu)   | Dissolved   | EPA 1640m  | 0.37    | µg/L  | 0.01  | 0.02  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Lead (Pb)     | Particulate | EPA 6020m  | 0.083   | µg/L  | 0.025 | 0.05  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Lead (Pb)     | Dissolved   | EPA 1640m  | J 0.008 | µg/L  | 0.005 | 0.01  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Mercury (Hg)  | Particulate | EPA 245.7m | ND      | µg/L  | 0.01  | 0.02  | 17-Oct-06         | 17-Oct-06        | 26201c-2063  |
| Mercury (Hg)  | Dissolved   | EPA 245.7m | ND      | µg/L  | 0.01  | 0.02  | 11-Oct-06         | 11-Oct-06        | 26201c-2063  |
| Nickel (Ni)   | Particulate | EPA 6020m  | 0.051   | µg/L  | 0.025 | 0.05  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Nickel (Ni)   | Dissolved   | EPA 1640m  | 0.236   | µg/L  | 0.005 | 0.01  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Selenium (Se) | Particulate | EPA 6020m  | ND      | µg/L  | 0.025 | 0.05  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Selenium (Se) | Dissolved   | EPA 1640m  | ND      | µg/L  | 0.01  | 0.015 | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Silver (Ag)   | Particulate | EPA 6020m  | ND      | µg/L  | 0.025 | 0.05  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Silver (Ag)   | Dissolved   | EPA 1640m  | ND      | µg/L  | 0.02  | 0.04  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Zinc (Zn)     | Particulate | EPA 6020m  | 0.256   | µg/L  | 0.025 | 0.05  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Zinc (Zn)     | Dissolved   | EPA 1640m  | 1.484   | µg/L  | 0.005 | 0.01  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |

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  
45321 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:** 26201c

**CRG ID#:** 45321

**Sample** LBM-1

**Date Sampled:** 05-Oct-06 11:20

**Replicate #:** R2

**Description:** 06-10-0333 (Weston - POLB)

**Date Received:** 06-Oct-06

**DILUTION FACTOR:** 1

**Matrix:** Seawater

| CONSTITUENT   | FRACTION    | METHOD    | RESULT | UNITS | MDL   | RL    | DATE<br>PROCESSED | DATE<br>ANALYZED | BATCH ID     |
|---------------|-------------|-----------|--------|-------|-------|-------|-------------------|------------------|--------------|
| Arsenic (As)  | Particulate | EPA 6020m | ND     | µg/L  | 0.025 | 0.05  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Arsenic (As)  | Dissolved   | EPA 1640m | 1.27   | µg/L  | 0.01  | 0.015 | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Cadmium (Cd)  | Particulate | EPA 6020m | ND     | µg/L  | 0.025 | 0.05  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Cadmium (Cd)  | Dissolved   | EPA 1640m | 0.014  | µg/L  | 0.005 | 0.01  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Chromium (Cr) | Particulate | EPA 6020m | 0.13   | µg/L  | 0.025 | 0.05  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Chromium (Cr) | Dissolved   | EPA 1640m | 0.35   | µg/L  | 0.025 | 0.05  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Copper (Cu)   | Particulate | EPA 6020m | 0.126  | µg/L  | 0.025 | 0.05  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Copper (Cu)   | Dissolved   | EPA 1640m | 0.38   | µg/L  | 0.01  | 0.02  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Lead (Pb)     | Particulate | EPA 6020m | 0.083  | µg/L  | 0.025 | 0.05  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Lead (Pb)     | Dissolved   | EPA 1640m | 0.011  | µg/L  | 0.005 | 0.01  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Nickel (Ni)   | Particulate | EPA 6020m | 0.051  | µg/L  | 0.025 | 0.05  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Nickel (Ni)   | Dissolved   | EPA 1640m | 0.228  | µg/L  | 0.005 | 0.01  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Selenium (Se) | Particulate | EPA 6020m | ND     | µg/L  | 0.025 | 0.05  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Selenium (Se) | Dissolved   | EPA 1640m | 0.02   | µg/L  | 0.01  | 0.015 | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Silver (Ag)   | Particulate | EPA 6020m | ND     | µg/L  | 0.025 | 0.05  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Silver (Ag)   | Dissolved   | EPA 1640m | ND     | µg/L  | 0.02  | 0.04  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Zinc (Zn)     | Particulate | EPA 6020m | 0.258  | µg/L  | 0.025 | 0.05  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Zinc (Zn)     | Dissolved   | EPA 1640m | 1.21   | µg/L  | 0.005 | 0.01  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |

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

45321

R2



# 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:** 26201c

**CRG ID#:** 45322

**Sample** LBM-10

**Date Sampled:** 05-Oct-06 09:20

**Replicate #:** R1

**Description:** 06-10-0333 (Weston - POLB)

**Date Received:** 06-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  | ND      | µg/L  | 0.025 | 0.05  | 11-Oct-06      | 16-Oct-06     | 26201c-14139 |
| Arsenic (As)  | Dissolved   | EPA 1640m  | 1.25    | µg/L  | 0.01  | 0.015 | 11-Oct-06      | 16-Oct-06     | 26201c-14139 |
| Cadmium (Cd)  | Particulate | EPA 6020m  | J 0.038 | µg/L  | 0.025 | 0.05  | 11-Oct-06      | 16-Oct-06     | 26201c-14139 |
| Cadmium (Cd)  | Dissolved   | EPA 1640m  | 0.024   | µg/L  | 0.005 | 0.01  | 11-Oct-06      | 16-Oct-06     | 26201c-14139 |
| Chromium (Cr) | Particulate | EPA 6020m  | 0.12    | µg/L  | 0.025 | 0.05  | 11-Oct-06      | 16-Oct-06     | 26201c-14139 |
| Chromium (Cr) | Dissolved   | EPA 1640m  | 0.38    | µg/L  | 0.025 | 0.05  | 11-Oct-06      | 16-Oct-06     | 26201c-14139 |
| Copper (Cu)   | Particulate | EPA 6020m  | 0.084   | µg/L  | 0.025 | 0.05  | 11-Oct-06      | 16-Oct-06     | 26201c-14139 |
| Copper (Cu)   | Dissolved   | EPA 1640m  | 0.28    | µg/L  | 0.01  | 0.02  | 11-Oct-06      | 16-Oct-06     | 26201c-14139 |
| Lead (Pb)     | Particulate | EPA 6020m  | 0.075   | µg/L  | 0.025 | 0.05  | 11-Oct-06      | 16-Oct-06     | 26201c-14139 |
| Lead (Pb)     | Dissolved   | EPA 1640m  | J 0.006 | µg/L  | 0.005 | 0.01  | 11-Oct-06      | 16-Oct-06     | 26201c-14139 |
| Mercury (Hg)  | Particulate | EPA 245.7m | ND      | µg/L  | 0.01  | 0.02  | 17-Oct-06      | 17-Oct-06     | 26201c-2063  |
| Mercury (Hg)  | Dissolved   | EPA 245.7m | ND      | µg/L  | 0.01  | 0.02  | 11-Oct-06      | 11-Oct-06     | 26201c-2063  |
| Nickel (Ni)   | Particulate | EPA 6020m  | J 0.046 | µg/L  | 0.025 | 0.05  | 11-Oct-06      | 16-Oct-06     | 26201c-14139 |
| Nickel (Ni)   | Dissolved   | EPA 1640m  | 0.212   | µg/L  | 0.005 | 0.01  | 11-Oct-06      | 16-Oct-06     | 26201c-14139 |
| Selenium (Se) | Particulate | EPA 6020m  | ND      | µg/L  | 0.025 | 0.05  | 11-Oct-06      | 16-Oct-06     | 26201c-14139 |
| Selenium (Se) | Dissolved   | EPA 1640m  | ND      | µg/L  | 0.01  | 0.015 | 11-Oct-06      | 16-Oct-06     | 26201c-14139 |
| Silver (Ag)   | Particulate | EPA 6020m  | ND      | µg/L  | 0.025 | 0.05  | 11-Oct-06      | 16-Oct-06     | 26201c-14139 |
| Silver (Ag)   | Dissolved   | EPA 1640m  | ND      | µg/L  | 0.02  | 0.04  | 11-Oct-06      | 16-Oct-06     | 26201c-14139 |
| Zinc (Zn)     | Particulate | EPA 6020m  | 0.209   | µg/L  | 0.025 | 0.05  | 11-Oct-06      | 16-Oct-06     | 26201c-14139 |
| Zinc (Zn)     | Dissolved   | EPA 1640m  | 0.899   | µg/L  | 0.005 | 0.01  | 11-Oct-06      | 16-Oct-06     | 26201c-14139 |

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  
45322 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:** 26201c

**CRG ID#:** 45323

**Sample** LBM-3

**Date Sampled:** 05-Oct-06 12:45

**Replicate #:** R1

**Description:** 06-10-0333 (Weston - POLB)

**Date Received:** 06-Oct-06

**DILUTION FACTOR:** 1

**Matrix:** Seawater

| CONSTITUENT   | FRACTION    | METHOD     | RESULT  | UNITS | MDL   | RL    | DATE<br>PROCESSED | DATE<br>ANALYZED | BATCH ID     |
|---------------|-------------|------------|---------|-------|-------|-------|-------------------|------------------|--------------|
| Arsenic (As)  | Particulate | EPA 6020m  | J 0.028 | µg/L  | 0.025 | 0.05  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Arsenic (As)  | Dissolved   | EPA 1640m  | 1.24    | µg/L  | 0.01  | 0.015 | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Cadmium (Cd)  | Particulate | EPA 6020m  | ND      | µg/L  | 0.025 | 0.05  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Cadmium (Cd)  | Dissolved   | EPA 1640m  | 0.014   | µg/L  | 0.005 | 0.01  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Chromium (Cr) | Particulate | EPA 6020m  | 0.12    | µg/L  | 0.025 | 0.05  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Chromium (Cr) | Dissolved   | EPA 1640m  | 0.36    | µg/L  | 0.025 | 0.05  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Copper (Cu)   | Particulate | EPA 6020m  | 0.124   | µg/L  | 0.025 | 0.05  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Copper (Cu)   | Dissolved   | EPA 1640m  | 0.34    | µg/L  | 0.01  | 0.02  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Lead (Pb)     | Particulate | EPA 6020m  | 0.098   | µg/L  | 0.025 | 0.05  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Lead (Pb)     | Dissolved   | EPA 1640m  | 0.013   | µg/L  | 0.005 | 0.01  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Mercury (Hg)  | Particulate | EPA 245.7m | ND      | µg/L  | 0.01  | 0.02  | 17-Oct-06         | 17-Oct-06        | 26201c-2063  |
| Mercury (Hg)  | Dissolved   | EPA 245.7m | ND      | µg/L  | 0.01  | 0.02  | 11-Oct-06         | 11-Oct-06        | 26201c-2063  |
| Nickel (Ni)   | Particulate | EPA 6020m  | J 0.047 | µg/L  | 0.025 | 0.05  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Nickel (Ni)   | Dissolved   | EPA 1640m  | 0.216   | µg/L  | 0.005 | 0.01  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Selenium (Se) | Particulate | EPA 6020m  | ND      | µg/L  | 0.025 | 0.05  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Selenium (Se) | Dissolved   | EPA 1640m  | ND      | µg/L  | 0.01  | 0.015 | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Silver (Ag)   | Particulate | EPA 6020m  | ND      | µg/L  | 0.025 | 0.05  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Silver (Ag)   | Dissolved   | EPA 1640m  | ND      | µg/L  | 0.02  | 0.04  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Zinc (Zn)     | Particulate | EPA 6020m  | 0.28    | µg/L  | 0.025 | 0.05  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Zinc (Zn)     | Dissolved   | EPA 1640m  | 1.009   | µg/L  | 0.005 | 0.01  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |

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

45323

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:** 26201c

**CRG ID#:** 45324

**Sample** LBI-9

**Date Sampled:** 05-Oct-06 15:15

**Replicate #:** R1

**Description:** 06-10-0333 (Weston - POLB)

**Date Received:** 06-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  | J 0.038 | µg/L  | 0.025 | 0.05  | 11-Oct-06      | 16-Oct-06     | 26201c-14139 |
| Arsenic (As)  | Dissolved   | EPA 1640m  | 1.31    | µg/L  | 0.01  | 0.015 | 11-Oct-06      | 16-Oct-06     | 26201c-14139 |
| Cadmium (Cd)  | Particulate | EPA 6020m  | ND      | µg/L  | 0.025 | 0.05  | 11-Oct-06      | 16-Oct-06     | 26201c-14139 |
| Cadmium (Cd)  | Dissolved   | EPA 1640m  | 0.036   | µg/L  | 0.005 | 0.01  | 11-Oct-06      | 16-Oct-06     | 26201c-14139 |
| Chromium (Cr) | Particulate | EPA 6020m  | 0.14    | µg/L  | 0.025 | 0.05  | 11-Oct-06      | 16-Oct-06     | 26201c-14139 |
| Chromium (Cr) | Dissolved   | EPA 1640m  | 0.34    | µg/L  | 0.025 | 0.05  | 11-Oct-06      | 16-Oct-06     | 26201c-14139 |
| Copper (Cu)   | Particulate | EPA 6020m  | 0.29    | µg/L  | 0.025 | 0.05  | 11-Oct-06      | 16-Oct-06     | 26201c-14139 |
| Copper (Cu)   | Dissolved   | EPA 1640m  | 0.92    | µg/L  | 0.01  | 0.02  | 11-Oct-06      | 16-Oct-06     | 26201c-14139 |
| Lead (Pb)     | Particulate | EPA 6020m  | 0.164   | µg/L  | 0.025 | 0.05  | 11-Oct-06      | 16-Oct-06     | 26201c-14139 |
| Lead (Pb)     | Dissolved   | EPA 1640m  | 0.012   | µg/L  | 0.005 | 0.01  | 11-Oct-06      | 16-Oct-06     | 26201c-14139 |
| Mercury (Hg)  | Particulate | EPA 245.7m | ND      | µg/L  | 0.01  | 0.02  | 17-Oct-06      | 17-Oct-06     | 26201c-2063  |
| Mercury (Hg)  | Dissolved   | EPA 245.7m | ND      | µg/L  | 0.01  | 0.02  | 11-Oct-06      | 11-Oct-06     | 26201c-2063  |
| Nickel (Ni)   | Particulate | EPA 6020m  | 0.054   | µg/L  | 0.025 | 0.05  | 11-Oct-06      | 16-Oct-06     | 26201c-14139 |
| Nickel (Ni)   | Dissolved   | EPA 1640m  | 0.318   | µg/L  | 0.005 | 0.01  | 11-Oct-06      | 16-Oct-06     | 26201c-14139 |
| Selenium (Se) | Particulate | EPA 6020m  | ND      | µg/L  | 0.025 | 0.05  | 11-Oct-06      | 16-Oct-06     | 26201c-14139 |
| Selenium (Se) | Dissolved   | EPA 1640m  | ND      | µg/L  | 0.01  | 0.015 | 11-Oct-06      | 16-Oct-06     | 26201c-14139 |
| Silver (Ag)   | Particulate | EPA 6020m  | ND      | µg/L  | 0.025 | 0.05  | 11-Oct-06      | 16-Oct-06     | 26201c-14139 |
| Silver (Ag)   | Dissolved   | EPA 1640m  | ND      | µg/L  | 0.02  | 0.04  | 11-Oct-06      | 16-Oct-06     | 26201c-14139 |
| Zinc (Zn)     | Particulate | EPA 6020m  | 0.477   | µg/L  | 0.025 | 0.05  | 11-Oct-06      | 16-Oct-06     | 26201c-14139 |
| Zinc (Zn)     | Dissolved   | EPA 1640m  | 2.78    | µg/L  | 0.005 | 0.01  | 11-Oct-06      | 16-Oct-06     | 26201c-14139 |

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

45324

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:** 26201c

**CRG ID#:** 45325

**Sample** LBI-7

**Date Sampled:** 05-Oct-06 14:15

**Replicate #:** R1

**Description:** 06-10-0333 (Weston - POLB)

**Date Received:** 06-Oct-06

**DILUTION FACTOR:** 1

**Matrix:** Seawater

| CONSTITUENT   | FRACTION    | METHOD     | RESULT  | UNITS | MDL   | RL    | DATE<br>PROCESSED | DATE<br>ANALYZED | BATCH ID     |
|---------------|-------------|------------|---------|-------|-------|-------|-------------------|------------------|--------------|
| Arsenic (As)  | Particulate | EPA 6020m  | J 0.032 | µg/L  | 0.025 | 0.05  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Arsenic (As)  | Dissolved   | EPA 1640m  | 1.27    | µg/L  | 0.01  | 0.015 | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Cadmium (Cd)  | Particulate | EPA 6020m  | ND      | µg/L  | 0.025 | 0.05  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Cadmium (Cd)  | Dissolved   | EPA 1640m  | 0.021   | µg/L  | 0.005 | 0.01  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Chromium (Cr) | Particulate | EPA 6020m  | 0.13    | µg/L  | 0.025 | 0.05  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Chromium (Cr) | Dissolved   | EPA 1640m  | 0.4     | µg/L  | 0.025 | 0.05  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Copper (Cu)   | Particulate | EPA 6020m  | 0.223   | µg/L  | 0.025 | 0.05  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Copper (Cu)   | Dissolved   | EPA 1640m  | 0.88    | µg/L  | 0.01  | 0.02  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Lead (Pb)     | Particulate | EPA 6020m  | 0.127   | µg/L  | 0.025 | 0.05  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Lead (Pb)     | Dissolved   | EPA 1640m  | 0.01    | µg/L  | 0.005 | 0.01  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Mercury (Hg)  | Particulate | EPA 245.7m | ND      | µg/L  | 0.01  | 0.02  | 17-Oct-06         | 17-Oct-06        | 26201c-2063  |
| Mercury (Hg)  | Dissolved   | EPA 245.7m | ND      | µg/L  | 0.01  | 0.02  | 11-Oct-06         | 11-Oct-06        | 26201c-2063  |
| Nickel (Ni)   | Particulate | EPA 6020m  | 0.05    | µg/L  | 0.025 | 0.05  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Nickel (Ni)   | Dissolved   | EPA 1640m  | 0.295   | µg/L  | 0.005 | 0.01  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Selenium (Se) | Particulate | EPA 6020m  | ND      | µg/L  | 0.025 | 0.05  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Selenium (Se) | Dissolved   | EPA 1640m  | J 0.01  | µg/L  | 0.01  | 0.015 | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Silver (Ag)   | Particulate | EPA 6020m  | ND      | µg/L  | 0.025 | 0.05  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Silver (Ag)   | Dissolved   | EPA 1640m  | ND      | µg/L  | 0.02  | 0.04  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Zinc (Zn)     | Particulate | EPA 6020m  | 0.351   | µg/L  | 0.025 | 0.05  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Zinc (Zn)     | Dissolved   | EPA 1640m  | 2.241   | µg/L  | 0.005 | 0.01  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |

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

45325

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:** 26201c

**CRG ID#:** 45326

**Sample** QAQC

LCM-CRG Seawater

**Date Sampled:**

**Replicate #:** LCM1

**Description:** 06-10-0333 (Weston - POLB)

**Date Received:**

**DILUTION FACTOR:** 1

**Matrix:** Seawater

| CONSTITUENT   | FRACTION  | METHOD     | RESULT | UNITS | MDL   | RL    | DATE<br>PROCESSED | DATE<br>ANALYZED | BATCH ID     |
|---------------|-----------|------------|--------|-------|-------|-------|-------------------|------------------|--------------|
| Arsenic (As)  | Dissolved | EPA 1640m  | 1.6    | µg/L  | 0.01  | 0.015 | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Cadmium (Cd)  | Dissolved | EPA 1640m  | 0.241  | µg/L  | 0.005 | 0.01  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Chromium (Cr) | Dissolved | EPA 1640m  | 0.45   | µg/L  | 0.025 | 0.05  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Copper (Cu)   | Dissolved | EPA 1640m  | 1.99   | µg/L  | 0.01  | 0.02  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Lead (Pb)     | Dissolved | EPA 1640m  | ND     | µg/L  | 0.005 | 0.01  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Mercury (Hg)  | Dissolved | EPA 245.7m | ND     | µg/L  | 0.01  | 0.02  | 11-Oct-06         | 11-Oct-06        | 26201c-2063  |
| Nickel (Ni)   | Dissolved | EPA 1640m  | 0.401  | µg/L  | 0.005 | 0.01  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Selenium (Se) | Dissolved | EPA 1640m  | 0.05   | µg/L  | 0.01  | 0.015 | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Silver (Ag)   | Dissolved | EPA 1640m  | ND     | µg/L  | 0.02  | 0.04  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Zinc (Zn)     | Dissolved | EPA 1640m  | 1.513  | µg/L  | 0.005 | 0.01  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |

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  
45326 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:** 26201c

**CRG ID#:** 45321

**Sample** LBM-1

**Date Sampled:** 05-Oct-06 11:20

**Replicate #:** R1

**Description:** 06-10-0333 (Weston - POLB)

**Date Received:** 06-Oct-06

**DILUTION FACTOR:** 1

**Matrix:** Seawater

| CONSTITUENT | FRACTION | METHOD   | RESULT | UNITS      | MDL | RL | DATE<br>PROCESSED | DATE<br>ANALYZED | BATCH ID     |
|-------------|----------|----------|--------|------------|-----|----|-------------------|------------------|--------------|
| (PCB030)    | Total    | EPA 625m | 99     | % Recovery |     |    | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| (PCB112)    | Total    | EPA 625m | 94     | % Recovery |     |    | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| (PCB198)    | Total    | EPA 625m | 99     | % Recovery |     |    | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| (TCMX)      | Total    | EPA 625m | 94     | % Recovery |     |    | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB018      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB028      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB031      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB033      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB037      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB044      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB049      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB052      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB066      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB070      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB074      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB077      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB081      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB087      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB095      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB097      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB099      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB101      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB105      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB110      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB114      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |

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  
45321 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:** 26201c

**CRG ID#:** 45321

**Sample** LBM-1

**Date Sampled:** 05-Oct-06 11:20

**Replicate #:** R1

**Description:** 06-10-0333 (Weston - POLB)

**Date Received:** 06-Oct-06

**DILUTION FACTOR:** 1

**Matrix:** Seawater

| CONSTITUENT | FRACTION | METHOD   | RESULT | UNITS | MDL | RL | DATE<br>PROCESSED | DATE<br>ANALYZED | BATCH ID     |
|-------------|----------|----------|--------|-------|-----|----|-------------------|------------------|--------------|
| PCB118      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB119      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB123      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB126      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB128+167  | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB138      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB141      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB149      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB151      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB153      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB156      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB157      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB158      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB168+132  | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB169      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB170      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB177      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB180      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB183      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB187      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB189      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB194      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB200      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB201      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB206      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |

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

45321

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:** 26201c

**CRG ID#:** 45321

**Sample** LBM-1

**Date Sampled:** 05-Oct-06 11:20

**Replicate #:** R1

**Description:** 06-10-0333 (Weston - POLB)

**Date Received:** 06-Oct-06

**DILUTION FACTOR:** 1

**Matrix:** Seawater

| CONSTITUENT           | FRACTION | METHOD   | RESULT | UNITS | MDL | RL | DATE<br>PROCESSED | DATE<br>ANALYZED | BATCH ID     |
|-----------------------|----------|----------|--------|-------|-----|----|-------------------|------------------|--------------|
| Total Detectable PCBs | Total    | EPA 625m | 0      | ng/L  |     |    | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |

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  
45321 R1

# CRG Marine Laboratories, Inc.

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## PCB Congeners

**Client:** Calscience Environmental Laboratories, Inc.

**CRG Project ID:** 26201c

**CRG ID#:** 45322

**Sample** LBM-10

**Date Sampled:** 05-Oct-06 09:20

**Replicate #:** R1

**Description:** 06-10-0333 (Weston - POLB)

**Date Received:** 06-Oct-06

**DILUTION FACTOR:** 1

**Matrix:** Seawater

| CONSTITUENT | FRACTION | METHOD   | RESULT | UNITS      | MDL | RL | DATE<br>PROCESSED | DATE<br>ANALYZED | BATCH ID     |
|-------------|----------|----------|--------|------------|-----|----|-------------------|------------------|--------------|
| (PCB030)    | Total    | EPA 625m | 97     | % Recovery |     |    | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| (PCB112)    | Total    | EPA 625m | 92     | % Recovery |     |    | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| (PCB198)    | Total    | EPA 625m | 97     | % Recovery |     |    | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| (TCMX)      | Total    | EPA 625m | 92     | % Recovery |     |    | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB018      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB028      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB031      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB033      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB037      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB044      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB049      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB052      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB066      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB070      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB074      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB077      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB081      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB087      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB095      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB097      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB099      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB101      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB105      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB110      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB114      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |

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  
45322 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:** 26201c

**CRG ID#:** 45322

**Sample** LBM-10

**Date Sampled:** 05-Oct-06 09:20

**Replicate #:** R1

**Description:** 06-10-0333 (Weston - POLB)

**Date Received:** 06-Oct-06

**DILUTION FACTOR:** 1

**Matrix:** Seawater

| CONSTITUENT | FRACTION | METHOD   | RESULT | UNITS | MDL | RL | DATE<br>PROCESSED | DATE<br>ANALYZED | BATCH ID     |
|-------------|----------|----------|--------|-------|-----|----|-------------------|------------------|--------------|
| PCB118      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB119      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB123      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB126      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB128+167  | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB138      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB141      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB149      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB151      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB153      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB156      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB157      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB158      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB168+132  | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB169      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB170      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB177      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB180      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB183      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB187      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB189      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB194      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB200      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB201      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB206      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |

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

45322

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:** 26201c

**CRG ID#:** 45322

**Sample** LBM-10

**Date Sampled:** 05-Oct-06 09:20

**Replicate #:** R1

**Description:** 06-10-0333 (Weston - POLB)

**Date Received:** 06-Oct-06

**DILUTION FACTOR:** 1

**Matrix:** Seawater

| CONSTITUENT           | FRACTION | METHOD   | RESULT | UNITS | MDL | RL | DATE<br>PROCESSED | DATE<br>ANALYZED | BATCH ID     |
|-----------------------|----------|----------|--------|-------|-----|----|-------------------|------------------|--------------|
| Total Detectable PCBs | Total    | EPA 625m | 0      | ng/L  |     |    | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |

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  
45322 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:** 26201c

**CRG ID#:** 45323

**Sample** LBM-3

**Date Sampled:** 05-Oct-06 12:45

**Replicate #:** R1

**Description:** 06-10-0333 (Weston - POLB)

**Date Received:** 06-Oct-06

**DILUTION FACTOR:** 1

**Matrix:** Seawater

| CONSTITUENT | FRACTION | METHOD   | RESULT | UNITS      | MDL | RL | DATE<br>PROCESSED | DATE<br>ANALYZED | BATCH ID     |
|-------------|----------|----------|--------|------------|-----|----|-------------------|------------------|--------------|
| (PCB030)    | Total    | EPA 625m | 92     | % Recovery |     |    | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| (PCB112)    | Total    | EPA 625m | 90     | % Recovery |     |    | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| (PCB198)    | Total    | EPA 625m | 96     | % Recovery |     |    | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| (TCMX)      | Total    | EPA 625m | 87     | % Recovery |     |    | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB018      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB028      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB031      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB033      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB037      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB044      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB049      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB052      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB066      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB070      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB074      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB077      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB081      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB087      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB095      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB097      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB099      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB101      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB105      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB110      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB114      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |

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  
45323 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:** 26201c

**CRG ID#:** 45323

**Sample** LBM-3

**Date Sampled:** 05-Oct-06 12:45

**Replicate #:** R1

**Description:** 06-10-0333 (Weston - POLB)

**Date Received:** 06-Oct-06

**DILUTION FACTOR:** 1

**Matrix:** Seawater

| CONSTITUENT | FRACTION | METHOD   | RESULT | UNITS | MDL | RL | DATE<br>PROCESSED | DATE<br>ANALYZED | BATCH ID     |
|-------------|----------|----------|--------|-------|-----|----|-------------------|------------------|--------------|
| PCB118      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB119      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB123      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB126      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB128+167  | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB138      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB141      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB149      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB151      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB153      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB156      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB157      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB158      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB168+132  | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB169      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB170      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB177      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB180      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB183      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB187      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB189      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB194      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB200      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB201      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB206      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |

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  
45323 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:** 26201c

**CRG ID#:** 45323

**Sample** LBM-3

**Date Sampled:** 05-Oct-06 12:45

**Replicate #:** R1

**Description:** 06-10-0333 (Weston - POLB)

**Date Received:** 06-Oct-06

**DILUTION FACTOR:** 1

**Matrix:** Seawater

| CONSTITUENT           | FRACTION | METHOD   | RESULT | UNITS | MDL | RL | DATE<br>PROCESSED | DATE<br>ANALYZED | BATCH ID     |
|-----------------------|----------|----------|--------|-------|-----|----|-------------------|------------------|--------------|
| Total Detectable PCBs | Total    | EPA 625m | 0      | ng/L  |     |    | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |

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  
45323 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:** 26201c

**CRG ID#:** 45324

**Sample** LBI-9

**Date Sampled:** 05-Oct-06 15:15

**Replicate #:** R1

**Description:** 06-10-0333 (Weston - POLB)

**Date Received:** 06-Oct-06

**DILUTION FACTOR:** 1

**Matrix:** Seawater

| CONSTITUENT | FRACTION | METHOD   | RESULT | UNITS      | MDL | RL | DATE<br>PROCESSED | DATE<br>ANALYZED | BATCH ID     |
|-------------|----------|----------|--------|------------|-----|----|-------------------|------------------|--------------|
| (PCB030)    | Total    | EPA 625m | 94     | % Recovery |     |    | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| (PCB112)    | Total    | EPA 625m | 93     | % Recovery |     |    | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| (PCB198)    | Total    | EPA 625m | 96     | % Recovery |     |    | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| (TCMX)      | Total    | EPA 625m | 92     | % Recovery |     |    | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB018      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB028      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB031      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB033      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB037      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB044      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB049      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB052      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB066      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB070      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB074      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB077      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB081      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB087      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB095      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB097      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB099      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB101      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB105      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB110      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB114      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |

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  
45324 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:** 26201c

**CRG ID#:** 45324

**Sample** LBI-9

**Date Sampled:** 05-Oct-06 15:15

**Replicate #:** R1

**Description:** 06-10-0333 (Weston - POLB)

**Date Received:** 06-Oct-06

**DILUTION FACTOR:** 1

**Matrix:** Seawater

| CONSTITUENT | FRACTION | METHOD   | RESULT | UNITS | MDL | RL | DATE<br>PROCESSED | DATE<br>ANALYZED | BATCH ID     |
|-------------|----------|----------|--------|-------|-----|----|-------------------|------------------|--------------|
| PCB118      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB119      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB123      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB126      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB128+167  | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB138      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB141      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB149      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB151      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB153      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB156      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB157      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB158      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB168+132  | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB169      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB170      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB177      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB180      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB183      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB187      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB189      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB194      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB200      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB201      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB206      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |

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

45324

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:** 26201c

**CRG ID#:** 45324

**Sample** LBI-9

**Date Sampled:** 05-Oct-06 15:15

**Replicate #:** R1

**Description:** 06-10-0333 (Weston - POLB)

**Date Received:** 06-Oct-06

**DILUTION FACTOR:** 1

**Matrix:** Seawater

| CONSTITUENT           | FRACTION | METHOD   | RESULT | UNITS | MDL | RL | DATE<br>PROCESSED | DATE<br>ANALYZED | BATCH ID     |
|-----------------------|----------|----------|--------|-------|-----|----|-------------------|------------------|--------------|
| Total Detectable PCBs | Total    | EPA 625m | 0      | ng/L  |     |    | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |

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  
45324 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:** 26201c

**CRG ID#:** 45325

**Sample** LBI-7

**Date Sampled:** 05-Oct-06 14:15

**Replicate #:** R1

**Description:** 06-10-0333 (Weston - POLB)

**Date Received:** 06-Oct-06

**DILUTION FACTOR:** 1

**Matrix:** Seawater

| CONSTITUENT | FRACTION | METHOD   | RESULT | UNITS      | MDL | RL | DATE<br>PROCESSED | DATE<br>ANALYZED | BATCH ID     |
|-------------|----------|----------|--------|------------|-----|----|-------------------|------------------|--------------|
| (PCB030)    | Total    | EPA 625m | 99     | % Recovery |     |    | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| (PCB112)    | Total    | EPA 625m | 91     | % Recovery |     |    | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| (PCB198)    | Total    | EPA 625m | 94     | % Recovery |     |    | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| (TCMX)      | Total    | EPA 625m | 91     | % Recovery |     |    | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB018      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB028      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB031      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB033      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB037      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB044      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB049      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB052      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB066      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB070      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB074      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB077      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB081      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB087      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB095      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB097      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB099      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB101      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB105      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB110      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB114      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |

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  
45325 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:** 26201c

**CRG ID#:** 45325

**Sample** LBI-7

**Date Sampled:** 05-Oct-06 14:15

**Replicate #:** R1

**Description:** 06-10-0333 (Weston - POLB)

**Date Received:** 06-Oct-06

**DILUTION FACTOR:** 1

**Matrix:** Seawater

| CONSTITUENT | FRACTION | METHOD   | RESULT | UNITS | MDL | RL | DATE<br>PROCESSED | DATE<br>ANALYZED | BATCH ID     |
|-------------|----------|----------|--------|-------|-----|----|-------------------|------------------|--------------|
| PCB118      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB119      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB123      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB126      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB128+167  | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB138      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB141      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB149      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB151      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB153      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB156      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB157      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB158      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB168+132  | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB169      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB170      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB177      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB180      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB183      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB187      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB189      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB194      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB200      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB201      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB206      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |

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

45325

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:** 26201c

**CRG ID#:** 45325

**Sample** LBI-7

**Date Sampled:** 05-Oct-06 14:15

**Replicate #:** R1

**Description:** 06-10-0333 (Weston - POLB)

**Date Received:** 06-Oct-06

**DILUTION FACTOR:** 1

**Matrix:** Seawater

| CONSTITUENT           | FRACTION | METHOD   | RESULT | UNITS | MDL | RL | DATE<br>PROCESSED | DATE<br>ANALYZED | BATCH ID     |
|-----------------------|----------|----------|--------|-------|-----|----|-------------------|------------------|--------------|
| Total Detectable PCBs | Total    | EPA 625m | 0      | ng/L  |     |    | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |

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  
45325 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:** 26201c

**CRG ID#:** 45321

**Sample** LBM-1

**Date Sampled:** 05-Oct-06 11:20

**Replicate #:** R2

**Description:** 06-10-0333 (Weston - POLB)

**Date Received:** 06-Oct-06

**DILUTION FACTOR:** 1

**Matrix:** Seawater

| CONSTITUENT | FRACTION | METHOD   | RESULT | UNITS      | MDL | RL | DATE<br>PROCESSED | DATE<br>ANALYZED | BATCH ID     |
|-------------|----------|----------|--------|------------|-----|----|-------------------|------------------|--------------|
| (PCB030)    | Total    | EPA 625m | 87     | % Recovery |     |    | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| (PCB112)    | Total    | EPA 625m | 91     | % Recovery |     |    | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| (PCB198)    | Total    | EPA 625m | 92     | % Recovery |     |    | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| (TCMX)      | Total    | EPA 625m | 81     | % Recovery |     |    | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB018      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB028      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB031      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB033      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB037      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB044      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB049      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB052      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB066      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB070      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB074      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB077      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB081      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB087      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB095      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB097      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB099      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB101      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB105      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB110      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB114      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |

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  
45321 R2

# 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:** 26201c

**CRG ID#:** 45321

**Sample** LBM-1

**Date Sampled:** 05-Oct-06 11:20

**Replicate #:** R2

**Description:** 06-10-0333 (Weston - POLB)

**Date Received:** 06-Oct-06

**DILUTION FACTOR:** 1

**Matrix:** Seawater

| CONSTITUENT | FRACTION | METHOD   | RESULT | UNITS | MDL | RL | DATE<br>PROCESSED | DATE<br>ANALYZED | BATCH ID     |
|-------------|----------|----------|--------|-------|-----|----|-------------------|------------------|--------------|
| PCB118      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB119      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB123      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB126      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB128+167  | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB138      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB141      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB149      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB151      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB153      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB156      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB157      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB158      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB168+132  | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB169      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB170      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB177      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB180      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB183      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB187      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB189      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB194      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB200      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB201      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB206      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |

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

45321

R2

# 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:** 26201c

**CRG ID#:** 45321

**Sample** LBM-1

**Date Sampled:** 05-Oct-06 11:20

**Replicate #:** R2

**Description:** 06-10-0333 (Weston - POLB)

**Date Received:** 06-Oct-06

**DILUTION FACTOR:** 1

**Matrix:** Seawater

| CONSTITUENT           | FRACTION | METHOD   | RESULT | UNITS | MDL | RL | DATE<br>PROCESSED | DATE<br>ANALYZED | BATCH ID     |
|-----------------------|----------|----------|--------|-------|-----|----|-------------------|------------------|--------------|
| Total Detectable PCBs | Total    | EPA 625m | 0      | ng/L  |     |    | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |

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  
45321 R2



# **QUALITY CONTROL REPORT**

# **PROCEDURAL BLANK 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:** 26201c

**CRG ID#:** 45318

**Sample** QAQC

Procedural Blank

**Date Sampled:**

**Replicate #:** B1

**Description:** 06-10-0333 (Weston - POLB)

**Date Received:**

**DILUTION FACTOR:** 1

**Matrix:** DI Water

| CONSTITUENT   | FRACTION    | METHOD     | RESULT | UNITS | MDL   | RL    | DATE<br>PROCESSED | DATE<br>ANALYZED | BATCH ID     |
|---------------|-------------|------------|--------|-------|-------|-------|-------------------|------------------|--------------|
| Arsenic (As)  | Particulate | EPA 6020m  | ND     | µg/L  | 0.025 | 0.05  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Arsenic (As)  | Dissolved   | EPA 1640m  | ND     | µg/L  | 0.01  | 0.015 | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Cadmium (Cd)  | Particulate | EPA 6020m  | ND     | µg/L  | 0.025 | 0.05  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Cadmium (Cd)  | Dissolved   | EPA 1640m  | ND     | µg/L  | 0.005 | 0.01  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Chromium (Cr) | Particulate | EPA 6020m  | ND     | µg/L  | 0.025 | 0.05  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Chromium (Cr) | Dissolved   | EPA 1640m  | ND     | µg/L  | 0.025 | 0.05  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Copper (Cu)   | Particulate | EPA 6020m  | ND     | µg/L  | 0.025 | 0.05  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Copper (Cu)   | Dissolved   | EPA 1640m  | ND     | µg/L  | 0.01  | 0.02  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Lead (Pb)     | Particulate | EPA 6020m  | ND     | µg/L  | 0.025 | 0.05  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Lead (Pb)     | Dissolved   | EPA 1640m  | ND     | µg/L  | 0.005 | 0.01  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Mercury (Hg)  | Particulate | EPA 245.7m | ND     | µg/L  | 0.01  | 0.02  | 17-Oct-06         | 17-Oct-06        | 26201c-2063  |
| Mercury (Hg)  | Dissolved   | EPA 245.7m | ND     | µg/L  | 0.01  | 0.02  | 11-Oct-06         | 11-Oct-06        | 26201c-2063  |
| Nickel (Ni)   | Particulate | EPA 6020m  | ND     | µg/L  | 0.025 | 0.05  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Nickel (Ni)   | Dissolved   | EPA 1640m  | ND     | µg/L  | 0.005 | 0.01  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Selenium (Se) | Particulate | EPA 6020m  | ND     | µg/L  | 0.025 | 0.05  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Selenium (Se) | Dissolved   | EPA 1640m  | ND     | µg/L  | 0.01  | 0.015 | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Silver (Ag)   | Particulate | EPA 6020m  | ND     | µg/L  | 0.025 | 0.05  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Silver (Ag)   | Dissolved   | EPA 1640m  | ND     | µg/L  | 0.02  | 0.04  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Zinc (Zn)     | Particulate | EPA 6020m  | ND     | µg/L  | 0.025 | 0.05  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |
| Zinc (Zn)     | Dissolved   | EPA 1640m  | ND     | µg/L  | 0.005 | 0.01  | 11-Oct-06         | 16-Oct-06        | 26201c-14139 |

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

45318

B1

# 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:** 26201c

**CRG ID#:** 45318

**Sample** QAQC

Procedural Blank

**Date Sampled:**

**Replicate #:** B1

**Description:** 06-10-0333 (Weston - POLB)

**Date Received:**

**DILUTION FACTOR:** 1

**Matrix:** DI Water

| CONSTITUENT | FRACTION | METHOD   | RESULT | UNITS      | MDL | RL | DATE<br>PROCESSED | DATE<br>ANALYZED | BATCH ID     |
|-------------|----------|----------|--------|------------|-----|----|-------------------|------------------|--------------|
| (PCB030)    | Total    | EPA 625m | 93     | % Recovery |     |    | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| (PCB112)    | Total    | EPA 625m | 94     | % Recovery |     |    | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| (PCB198)    | Total    | EPA 625m | 94     | % Recovery |     |    | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| (TCMX)      | Total    | EPA 625m | 79     | % Recovery |     |    | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB018      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB028      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB031      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB033      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB037      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB044      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB049      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB052      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB066      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB070      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB074      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB077      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB081      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB087      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB095      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB097      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB099      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB101      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB105      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  |                   | 23-Oct-06        |              |
| PCB110      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB114      | Total    | EPA 625m | ND     | ng/L       | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |

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

45318

B1

# 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:** 26201c

**CRG ID#:** 45318

**Sample** QAQC

Procedural Blank

**Date Sampled:**

**Replicate #:** B1

**Description:** 06-10-0333 (Weston - POLB)

**Date Received:**

**DILUTION FACTOR:** 1

**Matrix:** DI Water

| CONSTITUENT | FRACTION | METHOD   | RESULT | UNITS | MDL | RL | DATE<br>PROCESSED | DATE<br>ANALYZED | BATCH ID     |
|-------------|----------|----------|--------|-------|-----|----|-------------------|------------------|--------------|
| PCB118      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB119      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB123      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB126      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB128+167  | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB138      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB141      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB149      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB151      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB153      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB156      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB157      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB158      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB168+132  | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB169      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB170      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB177      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB180      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB183      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB187      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB189      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB194      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB200      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB201      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |
| PCB206      | Total    | EPA 625m | ND     | ng/L  | 1   | 5  | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |

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

45318

B1

# 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:** 26201c

**CRG ID#:** 45318

**Sample** QAQC

Procedural Blank

**Date Sampled:**

**Replicate #:** B1

**Description:** 06-10-0333 (Weston - POLB)

**Date Received:**

**DILUTION FACTOR:** 1

**Matrix:** DI Water

| CONSTITUENT           | FRACTION | METHOD   | RESULT | UNITS | MDL | RL | DATE<br>PROCESSED | DATE<br>ANALYZED | BATCH ID     |
|-----------------------|----------|----------|--------|-------|-----|----|-------------------|------------------|--------------|
| Total Detectable PCBs | Total    | EPA 625m | 0      | ng/L  |     |    | 12-Oct-06         | 23-Oct-06        | 26201c-20039 |

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

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45318

B1

# **ACCURACY DATA**

# 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:** 26201c

**CRG ID#:** 45326

**Sample** QAQC

LCM-CRG Seawater

**Date Sampled:**

**Replicate #:** LCS1

**Description:** 06-10-0333 (Weston - POLB)

**Date Received:**

**Batch ID:** 26201c-14139

**Matrix:** Seawater

**Date Processed:** 11-Oct-06

**Date Analyzed:** 16-Oct-06

| CONSTITUENT   | FRACTION  | METHOD     | % RECOVERY | TRUE VALUE | ACCEPTANCE RANGE | COMMENT |
|---------------|-----------|------------|------------|------------|------------------|---------|
| Arsenic (As)  | Dissolved | EPA 1640m  | 94         | 20 µg/L    | 65 - 125%        | PASS    |
| Cadmium (Cd)  | Dissolved | EPA 1640m  | 76         | 10 µg/L    | 60 - 120%        | PASS    |
| Chromium (Cr) | Dissolved | EPA 1640m  | 113        | 20 µg/L    | 70 - 130%        | PASS    |
| Copper (Cu)   | Dissolved | EPA 1640m  | 95         | 20 µg/L    | 55 - 120%        | PASS    |
| Lead (Pb)     | Dissolved | EPA 1640m  | 82         | 20 µg/L    | 50 - 120%        | PASS    |
| Mercury (Hg)  | Dissolved | EPA 245.7m | 106        | 1 µg/L     | 60 - 140%        | PASS    |
| Nickel (Ni)   | Dissolved | EPA 1640m  | 93         | 20 µg/L    | 50 - 120%        | PASS    |
| Selenium (Se) | Dissolved | EPA 1640m  | 80         | 20 µg/L    | 50 - 110%        | PASS    |
| Silver (Ag)   | Dissolved | EPA 1640m  | 74         | 10 µg/L    | 50 - 125%        | PASS    |
| Zinc (Zn)     | Dissolved | EPA 1640m  | 103        | 20 µg/L    | 45 - 105%        | PASS    |

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

California ELAP Certificate # 2261  
45326 LCS1



# 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:** 26201c

**CRG ID#:** 45326

**Sample** QAQC

LCM-CRG Seawater

**Date Sampled:**

**Replicate #:** LCS2

**Description:** 06-10-0333 (Weston - POLB)

**Date Received:**

**Batch ID:** 26201c-14139

**Matrix:** Seawater

**Date Processed:** 11-Oct-06

**Date Analyzed:** 16-Oct-06

| CONSTITUENT   | FRACTION  | METHOD     | % RECOVERY | TRUE VALUE | ACCEPTANCE RANGE | COMMENT |
|---------------|-----------|------------|------------|------------|------------------|---------|
| Arsenic (As)  | Dissolved | EPA 1640m  | 96         | 20 µg/L    | 65 - 125%        | PASS    |
| Cadmium (Cd)  | Dissolved | EPA 1640m  | 78         | 10 µg/L    | 60 - 120%        | PASS    |
| Chromium (Cr) | Dissolved | EPA 1640m  | 113        | 20 µg/L    | 70 - 130%        | PASS    |
| Copper (Cu)   | Dissolved | EPA 1640m  | 99         | 20 µg/L    | 55 - 120%        | PASS    |
| Lead (Pb)     | Dissolved | EPA 1640m  | 84         | 20 µg/L    | 50 - 120%        | PASS    |
| Mercury (Hg)  | Dissolved | EPA 245.7m | 106        | 1 µg/L     | 60 - 140%        | PASS    |
| Nickel (Ni)   | Dissolved | EPA 1640m  | 96         | 20 µg/L    | 50 - 120%        | PASS    |
| Selenium (Se) | Dissolved | EPA 1640m  | 84         | 20 µg/L    | 50 - 110%        | PASS    |
| Silver (Ag)   | Dissolved | EPA 1640m  | 74         | 10 µg/L    | 50 - 125%        | PASS    |
| Zinc (Zn)     | Dissolved | EPA 1640m  | 99         | 20 µg/L    | 45 - 105%        | PASS    |

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

California ELAP Certificate # 2261

45326 LCS2

# 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:** 26201c

**CRG ID#:** 45321

**Sample** LBM-1

**Date Sampled:** 05-Oct-06 11:20

**Replicate #:** MS1

**Description:** 06-10-0333 (Weston - POLB)

**Date Received:** 06-Oct-06

**Batch ID:** 26201c-14139

**Matrix:** Seawater

**Date Processed:** 11-Oct-06

**Date Analyzed:** 16-Oct-06

| CONSTITUENT   | FRACTION  | METHOD     | % RECOVERY | TRUE VALUE | ACCEPTANCE RANGE | COMMENT |
|---------------|-----------|------------|------------|------------|------------------|---------|
| Arsenic (As)  | Dissolved | EPA 1640m  | 89         | 20 µg/L    | 65 - 125%        | PASS    |
| Cadmium (Cd)  | Dissolved | EPA 1640m  | 92         | 10 µg/L    | 60 - 120%        | PASS    |
| Chromium (Cr) | Dissolved | EPA 1640m  | 107        | 20 µg/L    | 70 - 130%        | PASS    |
| Copper (Cu)   | Dissolved | EPA 1640m  | 105        | 20 µg/L    | 55 - 120%        | PASS    |
| Lead (Pb)     | Dissolved | EPA 1640m  | 90         | 20 µg/L    | 50 - 120%        | PASS    |
| Mercury (Hg)  | Dissolved | EPA 245.7m | 114        | 1 µg/L     | 60 - 140%        | PASS    |
| Nickel (Ni)   | Dissolved | EPA 1640m  | 89         | 20 µg/L    | 50 - 120%        | PASS    |
| Selenium (Se) | Dissolved | EPA 1640m  | 81         | 20 µg/L    | 50 - 110%        | PASS    |
| Silver (Ag)   | Dissolved | EPA 1640m  | 93         | 10 µg/L    | 50 - 125%        | PASS    |
| Zinc (Zn)     | Dissolved | EPA 1640m  | 72         | 20 µg/L    | 45 - 105%        | PASS    |

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

California ELAP Certificate # 2261  
45321 MS1

# 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:** 26201c

**CRG ID#:** 45321

**Sample** LBM-1

**Date Sampled:** 05-Oct-06 11:20

**Replicate #:** MS2

**Description:** 06-10-0333 (Weston - POLB)

**Date Received:** 06-Oct-06

**Batch ID:** 26201c-14139

**Matrix:** Seawater

**Date Processed:** 11-Oct-06

**Date Analyzed:** 16-Oct-06

| CONSTITUENT   | FRACTION  | METHOD     | % RECOVERY | TRUE VALUE | ACCEPTANCE RANGE | COMMENT |
|---------------|-----------|------------|------------|------------|------------------|---------|
| Arsenic (As)  | Dissolved | EPA 1640m  | 90         | 20 µg/L    | 65 - 125%        | PASS    |
| Cadmium (Cd)  | Dissolved | EPA 1640m  | 87         | 10 µg/L    | 60 - 120%        | PASS    |
| Chromium (Cr) | Dissolved | EPA 1640m  | 111        | 20 µg/L    | 70 - 130%        | PASS    |
| Copper (Cu)   | Dissolved | EPA 1640m  | 97         | 20 µg/L    | 55 - 120%        | PASS    |
| Lead (Pb)     | Dissolved | EPA 1640m  | 89         | 20 µg/L    | 50 - 120%        | PASS    |
| Mercury (Hg)  | Dissolved | EPA 245.7m | 109        | 1 µg/L     | 60 - 140%        | PASS    |
| Nickel (Ni)   | Dissolved | EPA 1640m  | 83         | 20 µg/L    | 50 - 120%        | PASS    |
| Selenium (Se) | Dissolved | EPA 1640m  | 77         | 20 µg/L    | 50 - 110%        | PASS    |
| Silver (Ag)   | Dissolved | EPA 1640m  | 104        | 10 µg/L    | 50 - 125%        | PASS    |
| Zinc (Zn)     | Dissolved | EPA 1640m  | 72         | 20 µg/L    | 45 - 105%        | PASS    |

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

California ELAP Certificate # 2261  
45321 MS2

# CRG Marine Laboratories, Inc.

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## PCB Congeners

**Client:** Calscience Environmental Laboratories, Inc.

**CRG Project ID:** 26201c

**CRG ID#:** 45321

**Sample** LBM-1

**Date Sampled:** 05-Oct-06 11:20

**Replicate #:** MS1

**Description:** 06-10-0333 (Weston - POLB)

**Date Received:** 06-Oct-06

**Batch ID:** 26201c-20039

**Matrix:** Seawater

**Date Processed:** 12-Oct-06

**Date Analyzed:** 23-Oct-06

| CONSTITUENT | FRACTION | METHOD   | % RECOVERY | TRUE VALUE | ACCEPTANCE RANGE | COMMENT |
|-------------|----------|----------|------------|------------|------------------|---------|
| (PCB030)    | Total    | EPA 625m | 80         | 400 ng     | 40 - 130%        | PASS    |
| (PCB112)    | Total    | EPA 625m | 97         | 400 ng     | 60 - 120%        | PASS    |
| (PCB198)    | Total    | EPA 625m | 94         | 400 ng     | 60 - 120%        | PASS    |
| (TCMX)      | Total    | EPA 625m | 57         | 400 ng     | 40 - 130%        | PASS    |
| PCB018      | Total    | EPA 625m | 104        | 320 ng     | 60 - 125%        | PASS    |
| PCB028      | Total    | EPA 625m | 91         | 320 ng     | 60 - 125%        | PASS    |
| PCB031      | Total    | EPA 625m | 108        | 320 ng     | 60 - 125%        | PASS    |
| PCB033      | Total    | EPA 625m | 103        | 320 ng     | 60 - 125%        | PASS    |
| PCB037      | Total    | EPA 625m | 106        | 320 ng     | 60 - 125%        | PASS    |
| PCB044      | Total    | EPA 625m | 107        | 320 ng     | 60 - 125%        | PASS    |
| PCB049      | Total    | EPA 625m | 106        | 320 ng     | 60 - 125%        | PASS    |
| PCB052      | Total    | EPA 625m | 107        | 320 ng     | 60 - 125%        | PASS    |
| PCB066      | Total    | EPA 625m | 110        | 320 ng     | 60 - 125%        | PASS    |
| PCB070      | Total    | EPA 625m | 106        | 320 ng     | 60 - 125%        | PASS    |
| PCB074      | Total    | EPA 625m | 106        | 320 ng     | 60 - 125%        | PASS    |
| PCB077      | Total    | EPA 625m | 115        | 320 ng     | 60 - 125%        | PASS    |
| PCB081      | Total    | EPA 625m | 115        | 320 ng     | 60 - 125%        | PASS    |
| PCB087      | Total    | EPA 625m | 106        | 320 ng     | 60 - 125%        | PASS    |
| PCB095      | Total    | EPA 625m | 104        | 320 ng     | 60 - 125%        | PASS    |
| PCB097      | Total    | EPA 625m | 103        | 320 ng     | 60 - 125%        | PASS    |
| PCB099      | Total    | EPA 625m | 106        | 320 ng     | 60 - 125%        | PASS    |
| PCB101      | Total    | EPA 625m | 104        | 320 ng     | 60 - 125%        | PASS    |
| PCB105      | Total    | EPA 625m | 106        | 320 ng     | 60 - 125%        | PASS    |
| PCB110      | Total    | EPA 625m | 104        | 320 ng     | 60 - 125%        | PASS    |
| PCB114      | Total    | EPA 625m | 105        | 320 ng     | 60 - 125%        | PASS    |

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

California ELAP Certificate # 2261  
45321 MS1

# 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:** 26201c

**CRG ID#:** 45321

**Sample** LBM-1

**Date Sampled:** 05-Oct-06 11:20

**Replicate #:** MS1

**Description:** 06-10-0333 (Weston - POLB)

**Date Received:** 06-Oct-06

**Batch ID:** 26201c-20039

**Matrix:** Seawater

**Date Processed:** 12-Oct-06

**Date Analyzed:** 23-Oct-06

| CONSTITUENT | FRACTION | METHOD   | % RECOVERY | TRUE VALUE | ACCEPTANCE RANGE | COMMENT |
|-------------|----------|----------|------------|------------|------------------|---------|
| PCB118      | Total    | EPA 625m | 109        | 320 ng     | 60 - 125%        | PASS    |
| PCB119      | Total    | EPA 625m | 104        | 320 ng     | 60 - 125%        | PASS    |
| PCB123      | Total    | EPA 625m | 104        | 320 ng     | 60 - 125%        | PASS    |
| PCB126      | Total    | EPA 625m | 115        | 320 ng     | 60 - 125%        | PASS    |
| PCB128+167  | Total    | EPA 625m | 105        | 640 ng     | 60 - 125%        | PASS    |
| PCB138      | Total    | EPA 625m | 100        | 320 ng     | 60 - 125%        | PASS    |
| PCB141      | Total    | EPA 625m | 108        | 320 ng     | 60 - 125%        | PASS    |
| PCB149      | Total    | EPA 625m | 102        | 320 ng     | 60 - 125%        | PASS    |
| PCB151      | Total    | EPA 625m | 100        | 320 ng     | 60 - 125%        | PASS    |
| PCB153      | Total    | EPA 625m | 104        | 320 ng     | 60 - 125%        | PASS    |
| PCB156      | Total    | EPA 625m | 107        | 320 ng     | 60 - 125%        | PASS    |
| PCB157      | Total    | EPA 625m | 101        | 320 ng     | 60 - 125%        | PASS    |
| PCB158      | Total    | EPA 625m | 101        | 320 ng     | 60 - 125%        | PASS    |
| PCB168+132  | Total    | EPA 625m | 101        | 640 ng     | 60 - 125%        | PASS    |
| PCB169      | Total    | EPA 625m | 110        | 320 ng     | 60 - 125%        | PASS    |
| PCB170      | Total    | EPA 625m | 102        | 320 ng     | 60 - 125%        | PASS    |
| PCB177      | Total    | EPA 625m | 104        | 320 ng     | 60 - 125%        | PASS    |
| PCB180      | Total    | EPA 625m | 102        | 320 ng     | 60 - 125%        | PASS    |
| PCB183      | Total    | EPA 625m | 101        | 320 ng     | 60 - 125%        | PASS    |
| PCB187      | Total    | EPA 625m | 102        | 320 ng     | 60 - 125%        | PASS    |
| PCB189      | Total    | EPA 625m | 101        | 320 ng     | 60 - 125%        | PASS    |
| PCB194      | Total    | EPA 625m | 97         | 320 ng     | 60 - 125%        | PASS    |
| PCB200      | Total    | EPA 625m | 98         | 320 ng     | 60 - 125%        | PASS    |
| PCB201      | Total    | EPA 625m | 98         | 320 ng     | 60 - 125%        | PASS    |
| PCB206      | Total    | EPA 625m | 86         | 320 ng     | 60 - 125%        | PASS    |

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

California ELAP Certificate # 2261  
45321 MS1

# 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:** 26201c

**CRG ID#:** 45321

**Sample** LBM-1

**Date Sampled:** 05-Oct-06 11:20

**Replicate #:** MS2

**Description:** 06-10-0333 (Weston - POLB)

**Date Received:** 06-Oct-06

**Batch ID:** 26201c-20039

**Matrix:** Seawater

**Date Processed:** 12-Oct-06

**Date Analyzed:** 23-Oct-06

| CONSTITUENT | FRACTION | METHOD   | % RECOVERY | TRUE VALUE | ACCEPTANCE RANGE | COMMENT |
|-------------|----------|----------|------------|------------|------------------|---------|
| (PCB030)    | Total    | EPA 625m | 87         | 400 ng     | 40 - 130%        | PASS    |
| (PCB112)    | Total    | EPA 625m | 94         | 400 ng     | 60 - 120%        | PASS    |
| (PCB198)    | Total    | EPA 625m | 93         | 400 ng     | 60 - 120%        | PASS    |
| (TCMX)      | Total    | EPA 625m | 67         | 400 ng     | 40 - 130%        | PASS    |
| PCB018      | Total    | EPA 625m | 105        | 320 ng     | 60 - 125%        | PASS    |
| PCB028      | Total    | EPA 625m | 94         | 320 ng     | 60 - 125%        | PASS    |
| PCB031      | Total    | EPA 625m | 106        | 320 ng     | 60 - 125%        | PASS    |
| PCB033      | Total    | EPA 625m | 104        | 320 ng     | 60 - 125%        | PASS    |
| PCB037      | Total    | EPA 625m | 108        | 320 ng     | 60 - 125%        | PASS    |
| PCB044      | Total    | EPA 625m | 106        | 320 ng     | 60 - 125%        | PASS    |
| PCB049      | Total    | EPA 625m | 107        | 320 ng     | 60 - 125%        | PASS    |
| PCB052      | Total    | EPA 625m | 109        | 320 ng     | 60 - 125%        | PASS    |
| PCB066      | Total    | EPA 625m | 108        | 320 ng     | 60 - 125%        | PASS    |
| PCB070      | Total    | EPA 625m | 105        | 320 ng     | 60 - 125%        | PASS    |
| PCB074      | Total    | EPA 625m | 106        | 320 ng     | 60 - 125%        | PASS    |
| PCB077      | Total    | EPA 625m | 115        | 320 ng     | 60 - 125%        | PASS    |
| PCB081      | Total    | EPA 625m | 111        | 320 ng     | 60 - 125%        | PASS    |
| PCB087      | Total    | EPA 625m | 104        | 320 ng     | 60 - 125%        | PASS    |
| PCB095      | Total    | EPA 625m | 106        | 320 ng     | 60 - 125%        | PASS    |
| PCB097      | Total    | EPA 625m | 104        | 320 ng     | 60 - 125%        | PASS    |
| PCB099      | Total    | EPA 625m | 111        | 320 ng     | 60 - 125%        | PASS    |
| PCB101      | Total    | EPA 625m | 105        | 320 ng     | 60 - 125%        | PASS    |
| PCB105      | Total    | EPA 625m | 102        | 320 ng     | 60 - 125%        | PASS    |
| PCB110      | Total    | EPA 625m | 104        | 320 ng     | 60 - 125%        | PASS    |
| PCB114      | Total    | EPA 625m | 103        | 320 ng     | 60 - 125%        | PASS    |

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

California ELAP Certificate # 2261  
45321 MS2

# 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:** 26201c

**CRG ID#:** 45321

**Sample** LBM-1

**Date Sampled:** 05-Oct-06 11:20

**Replicate #:** MS2

**Description:** 06-10-0333 (Weston - POLB)

**Date Received:** 06-Oct-06

**Batch ID:** 26201c-20039

**Matrix:** Seawater

**Date Processed:** 12-Oct-06

**Date Analyzed:** 23-Oct-06

| CONSTITUENT | FRACTION | METHOD   | % RECOVERY | TRUE VALUE | ACCEPTANCE RANGE | COMMENT |
|-------------|----------|----------|------------|------------|------------------|---------|
| PCB118      | Total    | EPA 625m | 107        | 320 ng     | 60 - 125%        | PASS    |
| PCB119      | Total    | EPA 625m | 103        | 320 ng     | 60 - 125%        | PASS    |
| PCB123      | Total    | EPA 625m | 106        | 320 ng     | 60 - 125%        | PASS    |
| PCB126      | Total    | EPA 625m | 115        | 320 ng     | 60 - 125%        | PASS    |
| PCB128+167  | Total    | EPA 625m | 105        | 640 ng     | 60 - 125%        | PASS    |
| PCB138      | Total    | EPA 625m | 97         | 320 ng     | 60 - 125%        | PASS    |
| PCB141      | Total    | EPA 625m | 106        | 320 ng     | 60 - 125%        | PASS    |
| PCB149      | Total    | EPA 625m | 99         | 320 ng     | 60 - 125%        | PASS    |
| PCB151      | Total    | EPA 625m | 103        | 320 ng     | 60 - 125%        | PASS    |
| PCB153      | Total    | EPA 625m | 103        | 320 ng     | 60 - 125%        | PASS    |
| PCB156      | Total    | EPA 625m | 106        | 320 ng     | 60 - 125%        | PASS    |
| PCB157      | Total    | EPA 625m | 101        | 320 ng     | 60 - 125%        | PASS    |
| PCB158      | Total    | EPA 625m | 100        | 320 ng     | 60 - 125%        | PASS    |
| PCB168+132  | Total    | EPA 625m | 99         | 640 ng     | 60 - 125%        | PASS    |
| PCB169      | Total    | EPA 625m | 112        | 320 ng     | 60 - 125%        | PASS    |
| PCB170      | Total    | EPA 625m | 102        | 320 ng     | 60 - 125%        | PASS    |
| PCB177      | Total    | EPA 625m | 102        | 320 ng     | 60 - 125%        | PASS    |
| PCB180      | Total    | EPA 625m | 103        | 320 ng     | 60 - 125%        | PASS    |
| PCB183      | Total    | EPA 625m | 104        | 320 ng     | 60 - 125%        | PASS    |
| PCB187      | Total    | EPA 625m | 101        | 320 ng     | 60 - 125%        | PASS    |
| PCB189      | Total    | EPA 625m | 105        | 320 ng     | 60 - 125%        | PASS    |
| PCB194      | Total    | EPA 625m | 99         | 320 ng     | 60 - 125%        | PASS    |
| PCB200      | Total    | EPA 625m | 96         | 320 ng     | 60 - 125%        | PASS    |
| PCB201      | Total    | EPA 625m | 98         | 320 ng     | 60 - 125%        | PASS    |
| PCB206      | Total    | EPA 625m | 90         | 320 ng     | 60 - 125%        | PASS    |

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

California ELAP Certificate # 2261  
45321 MS2

# **PRECISION DATA**



# 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:** 26201c

**CRG ID#:** 45321

**Sample Description:** LBM-1  
06-10-0333 (Weston - POLB)

**Date Sampled:** 05-Oct-06 11:20

**Date Received:** 06-Oct-06

**Batch ID:** 26201c-14139

**Matrix:** Seawater

**Date Processed:** 11-Oct-06

**Date Analyzed:** 16-Oct-06

| CONSTITUENT   | FRACTION    | METHOD    | R1    | R2    | % RPD | ACCEPTANCE RANGE | COMMENT | QUALIFIER |    |
|---------------|-------------|-----------|-------|-------|-------|------------------|---------|-----------|----|
|               |             |           | µg/L  | µg/L  |       |                  |         | R1        | R2 |
| Arsenic (As)  | Dissolved   | EPA 1640m | 1.25  | 1.27  | 2     | 0 - 30%          | PASS    |           |    |
| Cadmium (Cd)  | Dissolved   | EPA 1640m | 0.016 | 0.014 | 13    | 0 - 30%          | PASS    |           |    |
| Chromium (Cr) | Dissolved   | EPA 1640m | 0.34  | 0.35  | 3     | 0 - 30%          | PASS    |           |    |
| Chromium (Cr) | Particulate | EPA 6020m | 0.13  | 0.13  | 0     | 0 - 30%          | PASS    |           |    |
| Copper (Cu)   | Dissolved   | EPA 1640m | 0.37  | 0.38  | 3     | 0 - 30%          | PASS    |           |    |
| Copper (Cu)   | Particulate | EPA 6020m | 0.124 | 0.126 | 2     | 0 - 30%          | PASS    |           |    |
| Lead (Pb)     | Dissolved   | EPA 1640m | 0.008 | 0.011 | 32    | 0 - 30%          | FAIL    | NA        | NA |
| Lead (Pb)     | Particulate | EPA 6020m | 0.083 | 0.083 | 0     | 0 - 30%          | PASS    |           |    |
| Nickel (Ni)   | Particulate | EPA 6020m | 0.051 | 0.051 | 0     | 0 - 30%          | PASS    |           |    |
| Nickel (Ni)   | Dissolved   | EPA 1640m | 0.236 | 0.228 | 3     | 0 - 30%          | PASS    |           |    |
| Zinc (Zn)     | Particulate | EPA 6020m | 0.256 | 0.258 | 1     | 0 - 30%          | PASS    |           |    |
| Zinc (Zn)     | Dissolved   | EPA 1640m | 1.484 | 1.21  | 20    | 0 - 30%          | PASS    |           |    |

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

California ELAP Certificate # 2261  
45321

# 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:** 26201c

**CRG ID#:** 45326  
**Sample Description:** QAQC LCM-CRG Seawater  
**Batch ID:** 26201c-14139  
**Matrix:** Seawater

**Date Sampled:**  
**Date Received:**  
**Date Processed:** 11-Oct-06  
**Date Analyzed:** 16-Oct-06

| CONSTITUENT   | FRACTION  | METHOD     | LCS1       | LCS2       | % RPD | ACCEPTANCE RANGE | COMMENT |
|---------------|-----------|------------|------------|------------|-------|------------------|---------|
|               |           |            | % Recovery | % Recovery |       |                  |         |
| Arsenic (As)  | Dissolved | EPA 1640m  | 94         | 96         | 2     | 0 - 30%          | PASS    |
| Cadmium (Cd)  | Dissolved | EPA 1640m  | 76         | 78         | 3     | 0 - 30%          | PASS    |
| Chromium (Cr) | Dissolved | EPA 1640m  | 113        | 113        | 0     | 0 - 30%          | PASS    |
| Copper (Cu)   | Dissolved | EPA 1640m  | 95         | 99         | 4     | 0 - 30%          | PASS    |
| Lead (Pb)     | Dissolved | EPA 1640m  | 82         | 84         | 2     | 0 - 30%          | PASS    |
| Mercury (Hg)  | Dissolved | EPA 245.7m | 106        | 106        | 0     | 0 - 30%          | PASS    |
| Nickel (Ni)   | Dissolved | EPA 1640m  | 93         | 96         | 3     | 0 - 30%          | PASS    |
| Selenium (Se) | Dissolved | EPA 1640m  | 80         | 84         | 5     | 0 - 30%          | PASS    |
| Silver (Ag)   | Dissolved | EPA 1640m  | 74         | 74         | 0     | 0 - 30%          | PASS    |
| Zinc (Zn)     | Dissolved | EPA 1640m  | 103        | 99         | 4     | 0 - 30%          | PASS    |

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

California ELAP Certificate # 2261  
45326

# 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:** 26201c

**CRG ID#:** 45321

**Sample Description:** LBM-1  
06-10-0333 (Weston - POLB)

**Date Sampled:** 05-Oct-06 11:20

**Date Received:** 06-Oct-06

**Batch ID:** 26201c-14139

**Matrix:** Seawater

**Date Processed:** 11-Oct-06

**Date Analyzed:** 16-Oct-06

| CONSTITUENT   | FRACTION  | METHOD     | MS1        | MS2        | % RPD | ACCEPTANCE RANGE | COMMENT |
|---------------|-----------|------------|------------|------------|-------|------------------|---------|
|               |           |            | % Recovery | % Recovery |       |                  |         |
| Arsenic (As)  | Dissolved | EPA 1640m  | 89         | 90         | 1     | 0 - 30%          | PASS    |
| Cadmium (Cd)  | Dissolved | EPA 1640m  | 92         | 87         | 6     | 0 - 30%          | PASS    |
| Chromium (Cr) | Dissolved | EPA 1640m  | 107        | 111        | 4     | 0 - 30%          | PASS    |
| Copper (Cu)   | Dissolved | EPA 1640m  | 105        | 97         | 8     | 0 - 30%          | PASS    |
| Lead (Pb)     | Dissolved | EPA 1640m  | 90         | 89         | 1     | 0 - 30%          | PASS    |
| Mercury (Hg)  | Dissolved | EPA 245.7m | 114        | 109        | 4     | 0 - 30%          | PASS    |
| Nickel (Ni)   | Dissolved | EPA 1640m  | 89         | 83         | 7     | 0 - 30%          | PASS    |
| Selenium (Se) | Dissolved | EPA 1640m  | 81         | 77         | 5     | 0 - 30%          | PASS    |
| Silver (Ag)   | Dissolved | EPA 1640m  | 93         | 104        | 11    | 0 - 30%          | PASS    |
| Zinc (Zn)     | Dissolved | EPA 1640m  | 72         | 72         | 0     | 0 - 30%          | PASS    |

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

California ELAP Certificate # 2261  
45321

# 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:** 26201c

**CRG ID#:** 45321

**Sample Description:** LBM-1  
06-10-0333 (Weston - POLB)

**Date Sampled:** 05-Oct-06 11:20

**Date Received:** 06-Oct-06

**Batch ID:** 26201c-20039

**Matrix:** Seawater

**Date Processed:** 12-Oct-06

**Date Analyzed:** 23-Oct-06

| CONSTITUENT | FRACTION | METHOD   | MS1        | MS2        | % RPD | ACCEPTANCE RANGE | COMMENT |
|-------------|----------|----------|------------|------------|-------|------------------|---------|
|             |          |          | % Recovery | % Recovery |       |                  |         |
| (PCB030)    | Total    | EPA 625m | 80         | 87         | 8     | 0 - 30%          | PASS    |
| (PCB112)    | Total    | EPA 625m | 97         | 94         | 3     | 0 - 30%          | PASS    |
| (PCB198)    | Total    | EPA 625m | 94         | 93         | 1     | 0 - 30%          | PASS    |
| (TCMX)      | Total    | EPA 625m | 57         | 67         | 16    | 0 - 30%          | PASS    |
| PCB018      | Total    | EPA 625m | 104        | 105        | 1     | 0 - 30%          | PASS    |
| PCB028      | Total    | EPA 625m | 91         | 94         | 3     | 0 - 30%          | PASS    |
| PCB031      | Total    | EPA 625m | 108        | 106        | 2     | 0 - 30%          | PASS    |
| PCB033      | Total    | EPA 625m | 103        | 104        | 1     | 0 - 30%          | PASS    |
| PCB037      | Total    | EPA 625m | 106        | 108        | 2     | 0 - 30%          | PASS    |
| PCB044      | Total    | EPA 625m | 107        | 106        | 1     | 0 - 30%          | PASS    |
| PCB049      | Total    | EPA 625m | 106        | 107        | 1     | 0 - 30%          | PASS    |
| PCB052      | Total    | EPA 625m | 107        | 109        | 2     | 0 - 30%          | PASS    |
| PCB066      | Total    | EPA 625m | 110        | 108        | 2     | 0 - 30%          | PASS    |
| PCB070      | Total    | EPA 625m | 106        | 105        | 1     | 0 - 30%          | PASS    |
| PCB074      | Total    | EPA 625m | 106        | 106        | 0     | 0 - 30%          | PASS    |
| PCB077      | Total    | EPA 625m | 115        | 115        | 0     | 0 - 30%          | PASS    |
| PCB081      | Total    | EPA 625m | 115        | 111        | 4     | 0 - 30%          | PASS    |
| PCB087      | Total    | EPA 625m | 106        | 104        | 2     | 0 - 30%          | PASS    |
| PCB095      | Total    | EPA 625m | 104        | 106        | 2     | 0 - 30%          | PASS    |
| PCB097      | Total    | EPA 625m | 103        | 104        | 1     | 0 - 30%          | PASS    |
| PCB099      | Total    | EPA 625m | 106        | 111        | 5     | 0 - 30%          | PASS    |
| PCB101      | Total    | EPA 625m | 104        | 105        | 1     | 0 - 30%          | PASS    |
| PCB105      | Total    | EPA 625m | 106        | 102        | 4     | 0 - 30%          | PASS    |
| PCB110      | Total    | EPA 625m | 104        | 104        | 0     | 0 - 30%          | PASS    |
| PCB114      | Total    | EPA 625m | 105        | 103        | 2     | 0 - 30%          | PASS    |

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

California ELAP Certificate # 2261  
45321

# 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:** 26201c

**CRG ID#:** 45321  
**Sample Description:** LBM-1  
06-10-0333 (Weston - POLB)  
**Batch ID:** 26201c-20039  
**Matrix:** Seawater

**Date Sampled:** 05-Oct-06 11:20  
**Date Received:** 06-Oct-06  
**Date Processed:** 12-Oct-06  
**Date Analyzed:** 23-Oct-06

| CONSTITUENT | FRACTION | METHOD   | MS1        | MS2        | % RPD | ACCEPTANCE RANGE | COMMENT |
|-------------|----------|----------|------------|------------|-------|------------------|---------|
|             |          |          | % Recovery | % Recovery |       |                  |         |
| PCB118      | Total    | EPA 625m | 109        | 107        | 2     | 0 - 30%          | PASS    |
| PCB119      | Total    | EPA 625m | 104        | 103        | 1     | 0 - 30%          | PASS    |
| PCB123      | Total    | EPA 625m | 104        | 106        | 2     | 0 - 30%          | PASS    |
| PCB126      | Total    | EPA 625m | 115        | 115        | 0     | 0 - 30%          | PASS    |
| PCB128+167  | Total    | EPA 625m | 105        | 105        | 0     | 0 - 30%          | PASS    |
| PCB138      | Total    | EPA 625m | 100        | 97         | 3     | 0 - 30%          | PASS    |
| PCB141      | Total    | EPA 625m | 108        | 106        | 2     | 0 - 30%          | PASS    |
| PCB149      | Total    | EPA 625m | 102        | 99         | 3     | 0 - 30%          | PASS    |
| PCB151      | Total    | EPA 625m | 100        | 103        | 3     | 0 - 30%          | PASS    |
| PCB153      | Total    | EPA 625m | 104        | 103        | 1     | 0 - 30%          | PASS    |
| PCB156      | Total    | EPA 625m | 107        | 106        | 1     | 0 - 30%          | PASS    |
| PCB157      | Total    | EPA 625m | 101        | 101        | 0     | 0 - 30%          | PASS    |
| PCB158      | Total    | EPA 625m | 101        | 100        | 1     | 0 - 30%          | PASS    |
| PCB168+132  | Total    | EPA 625m | 101        | 99         | 2     | 0 - 30%          | PASS    |
| PCB169      | Total    | EPA 625m | 110        | 112        | 2     | 0 - 30%          | PASS    |
| PCB170      | Total    | EPA 625m | 102        | 102        | 0     | 0 - 30%          | PASS    |
| PCB177      | Total    | EPA 625m | 104        | 102        | 2     | 0 - 30%          | PASS    |
| PCB180      | Total    | EPA 625m | 102        | 103        | 1     | 0 - 30%          | PASS    |
| PCB183      | Total    | EPA 625m | 101        | 104        | 3     | 0 - 30%          | PASS    |
| PCB187      | Total    | EPA 625m | 102        | 101        | 1     | 0 - 30%          | PASS    |
| PCB189      | Total    | EPA 625m | 101        | 105        | 4     | 0 - 30%          | PASS    |
| PCB194      | Total    | EPA 625m | 97         | 99         | 2     | 0 - 30%          | PASS    |
| PCB200      | Total    | EPA 625m | 98         | 96         | 2     | 0 - 30%          | PASS    |
| PCB201      | Total    | EPA 625m | 98         | 98         | 0     | 0 - 30%          | PASS    |
| PCB206      | Total    | EPA 625m | 86         | 90         | 5     | 0 - 30%          | PASS    |

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

California ELAP Certificate # 2261  
45321

# **CHAIN-OF-CUSTODY**



**CRG**  
Marine Laboratories, Inc.  
**SAMPLE RECEIVING**

CRG Project ID

P20201C

CLIENT  
NAME *Cal Science*

DATE  
RECEIVED

*4 (MA)*  
*10-5-06*

**COURIER INFORMATION**

☐ CRG ☐ FEDEX  
☒ OTHER\* ☐ UPS

TRACKING  
NUMBER

**TEMPERATURE**

*12°C* ☐ BLUE ICE  
☐ WET ICE  
☒ NO ICE

**Chain-of-Custody**

☒ INCLUDED  
☒ SIGNED  
☐ NOT INCLUDED

**SAMPLE MATRIX**

☒ LIQUID  
☐ SOLID  
☐ OTHER\*

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**CONDITION OF SAMPLES UPON ARRIVAL**

|                                                      | <u>YES</u>                          | <u>NO*</u>               | <u>NA</u>                |
|------------------------------------------------------|-------------------------------------|--------------------------|--------------------------|
| All sample containers intact and good condition..... | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| All samples listed on COC are present.....           | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Sample ID on containers consistent with COC.....     | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Correct containers used for analyses requested.....  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| All samples received within method holding time..... | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

**\*NOTES**

COMPLETED BY:

*C.V.*