October 2, 2014

Malibu Unites
22741 Pacific Coast Highway, Suite 401
Malibu, CA 90265

Dear [Recipient],

The following results are for Frontier Analytical Laboratory project 8490. This corresponds to your Malibu Unites project. Eleven of the twelve solid samples listed on the chain of custody were received on 5/13/2014. All eleven samples were placed on hold per your instructions. On 6/9/2014 you requested we subcontract out several samples to be analyzed following EPA Method 8082. This was completed on 6/19/2014. Eventually you requested we analyze sample 8490-006-SA (Malibu Unites ID: WW2) for total PCB concentration using Modified EPA Method 1668C for all 209 PCB congener. This was completed in August 2014 and concentrations were communicated to you. After numerous discussions you requested we go back and determine the concentration levels of PCB-126 in the sample.

Please note the following for your data sheets. The method blank and sample results are reported in ng/g (ppb). Our Modified EPA Method 1668C has a reporting limit (RL) of 25.0 ppb for each of the 209 PCB congeners. This reporting limit ensures that if all 209 PCB congeners are below the RL, cumulatively they are well below the action levels noted in the Toxic Substance Control Act (TSCA) of 50.0 ppm. Due to high levels of PCBs your sample had to be diluted and quantitated using an external standard. Therefore a true internal standard and cleanup surrogate recovery value is not available, hence the “X” and “*” qualifiers.

The following report consists of an Analytical Data section and a Sample Receipt section. The Analytical Data section contains our project-sample tracking log and the analytical results. The Sample Receipt section contains your chain of custody, our sample login form and sample photos. The attached results are specifically for the sample referenced in this report only. This report has been emailed to you as a PDF file. A hardcopy will not be sent to you unless specifically requested.

If you have any questions regarding project 8490, please feel free to contact me at (916) 934-0900. Thank you for choosing Frontier Analytical Laboratory for your analytical testing needs.

This report and all analytical work have been provided to you as a “gesture in kind” with no associated invoice or cost to you.

Sincerely,

[Signature]
## Frontier Analytical Laboratory

### Sample Tracking Log

**FAL Project ID:** 8490

Received on: **05/13/2014**  
Project Due: **06/05/2014**  
Storage: **F2**

<table>
<thead>
<tr>
<th>FAL Sample ID</th>
<th>Dup</th>
<th>Client Project ID</th>
<th>Client Sample ID</th>
<th>Requested Method</th>
<th>Matrix</th>
<th>Sampling Date</th>
<th>Sampling Time</th>
<th>Hold Time</th>
<th>Due Date</th>
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</thead>
<tbody>
<tr>
<td>8490-001-SA</td>
<td>0</td>
<td>Malibu Unites</td>
<td>TT1</td>
<td>EPA 1666 PCB</td>
<td>Solid</td>
<td>05/10/2014</td>
<td>11:00 am</td>
<td></td>
<td>05/10/2015</td>
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<tr>
<td>8490-002-SA</td>
<td>0</td>
<td>Malibu Unites</td>
<td>TT2</td>
<td>EPA 1666 PCB</td>
<td>Solid</td>
<td>05/10/2014</td>
<td>11:15 am</td>
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<td>SS1</td>
<td>EPA 1666 PCB</td>
<td>Solid</td>
<td>05/10/2014</td>
<td>11:25 am</td>
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<td>8490-004-SA</td>
<td>0</td>
<td>Malibu Unites</td>
<td>ART</td>
<td>EPA 1666 PCB</td>
<td>Solid</td>
<td>05/10/2014</td>
<td>11:30 am</td>
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<td>05/10/2015</td>
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<tr>
<td>8490-005-SA</td>
<td>0</td>
<td>Malibu Unites</td>
<td>WW1</td>
<td>EPA 1666 PCB</td>
<td>Solid</td>
<td>05/10/2014</td>
<td>11:40 am</td>
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<td>Malibu Unites</td>
<td>WW2</td>
<td>EPA 1666 PCB</td>
<td>Solid</td>
<td>05/10/2014</td>
<td>11:45 am</td>
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<td>05/10/2015</td>
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<td>8490-007-SA</td>
<td>0</td>
<td>Malibu Unites</td>
<td>TT3</td>
<td>EPA 1666 PCB</td>
<td>Solid</td>
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<td>11:30 am</td>
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<td>05/10/2015</td>
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<td>8490-008-SA</td>
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<td>RMG</td>
<td>EPA 1666 PCB</td>
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<td>AJ1</td>
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<td>05/12/2014</td>
<td>07:45 am</td>
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<td>NP</td>
<td>NP</td>
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<td>Paint - TT</td>
<td>EPA 1666 PCB</td>
<td>Solid</td>
<td>NP</td>
<td>NP</td>
<td>NA</td>
<td></td>
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</tbody>
</table>

**FAL Sample ID**  

- **8490-005-SA**  
  *Sample not received.*
- **8490-006-SA**  
  Using sample ID from COC for our tracking purposes.
- **8490-009-SA**  
  *Using handwritten sampling date from jar label for our tracking purposes.*
- **8490-010-SA**  
  *Using handwritten sampling date from jar label for our tracking purposes.*
Modified EPA Method 1668C
PCBs

FAL ID: 8490-001-MB
Client ID: Method Blank
Matrix: Solid
Batch No: X3149

Date Extracted: 08-05-2014
Date Received: NA
Amount: 2.00 g
ICal: LRPCBFAL4-7-10-14
GC Column: DB1
Units: ng/g
Acquired: 08-06-2014
WHO TEQ: NA
Basis: Dry Weight

<table>
<thead>
<tr>
<th>Compound</th>
<th>Conc</th>
<th>RL</th>
<th>Qual</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCB-126</td>
<td>ND</td>
<td>25.0</td>
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<table>
<thead>
<tr>
<th>Internal Standards</th>
<th>% Rec</th>
<th>QC Limits</th>
<th>Qual</th>
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</thead>
<tbody>
<tr>
<td>13C-PCB-126</td>
<td>80.9</td>
<td>15.0 - 145</td>
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<table>
<thead>
<tr>
<th>Cleanup Surrogate</th>
<th></th>
<th></th>
<th></th>
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<tbody>
<tr>
<td>13C-PCB-178</td>
<td>109</td>
<td>15.0 - 145</td>
<td></td>
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</tbody>
</table>

- A: Isotopic Labile Standard outside QC range but signal to noise ratio is >10:1
- B: Analyte is present in Method Blank
- C: Chemical Interference
- D: Presence of Diphenyl Ethers
- DNQ: Analyte concentration is below calibration range
- E: Analyte concentration is above calibration range
- F: Analyte confirmation on secondary column
- J: Analyte concentration is below calibration range
- M: Maximum possible concentration
- ND: Analyte Not Detected at Detection Limit Level
- NP: Not Provided
- P: Pre-filtered through a Whatman 0.7um GF/F filter
- S: Sample acceptance criteria not met
- X: Matrix interferences

* Result taken from dilution or reinjection

Analyst: [Signature]
Date: 10/2/2014

Reviewed By: [Signature]
Date: 10/2/2014
**Modified EPA Method 1668C**  
**PCBs**

<table>
<thead>
<tr>
<th>Compound</th>
<th>Conc</th>
<th>QC Limits</th>
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<tbody>
<tr>
<td>PCB-126</td>
<td>434</td>
<td>200 - 600</td>
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**Internal Standards**

<table>
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<td>13C-PCB-126</td>
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**Cleanup Surrogate**

<table>
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<tr>
<td>13C-PCB-176</td>
<td>99.0</td>
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</table>

---

A  Isotopic Labeled Standard outside QC range but signal to noise ratio is >10:1  
B  Analyte is present in Method Blank  
C  Chemical Interference  
D  Presence of Diphenyl Ethers  
DNQ  Analyte concentration is below calibration range  
E  Analyte concentration is above calibration range  
F  Analyte confirmation on secondary column  
J  Analyte concentration is below calibration range  
M  Maximum possible concentration  
ND  Analyte Not Detected at Detection Limit Level  
NP  Not Provided  
P  Pre-filtered through a Whatman 0.7um GF/F filter  
S  Sample acceptance criteria not met  
X  Matrix interferences  
*  Result taken from dilution or re-injection

---

**Analyst:**  
Date: 10/2/2014

**Reviewed By:**  
Date: 10/2/2014
### Modified EPA Method 1668C
### PCBs

**FAL ID:** 8490-006-SA  
**Client ID:** V&V2  
**Matrix:** Solid  
**Batch No:** X3149

<table>
<thead>
<tr>
<th>Compound</th>
<th>Conc</th>
<th>RL</th>
<th>Qual</th>
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</thead>
<tbody>
<tr>
<td>PCB-126</td>
<td>57,600</td>
<td>25.0</td>
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**Internal Standards**  
<table>
<thead>
<tr>
<th>% Rec</th>
<th>QC Limits</th>
<th>Qual</th>
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</thead>
<tbody>
<tr>
<td>13C-PCB-126</td>
<td>15.0 - 145</td>
<td>X,*</td>
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</tbody>
</table>

**Cleanup Surrogate**  
<table>
<thead>
<tr>
<th>% Rec</th>
<th>QC Limits</th>
<th>Qual</th>
</tr>
</thead>
<tbody>
<tr>
<td>13C-PCB-178</td>
<td>15.0 - 145</td>
<td>X,*</td>
</tr>
</tbody>
</table>

---

**Isotopic Labeled Standard outside QC range but signal to noise ratio is >10:**

**A** Isotopic Labeled Standard outside QC range but signal to noise ratio is >10:1

**B** Analyte is present in Method Blank

**C** Chemical Interference

**D** Presence of Diphenyl Ethers

**DNQ** Analyte concentration is below calibration range

**E** Analyte concentration is above calibration range

**F** Analyte confirmation on secondary column

**J** Analyte concentration is below calibration range

**M** Maximum possible concentration

**ND** Analyte Not Detected at Detection Limit Level

**NP** Not Provided

**P** Pre-filtered through a Whatman 0.7um GF/F filter

**S** Sample acceptance criteria not met

**X** Matrix interferences

* Result taken from dilution or re-injection

---

**Analyst:**

Date: 10/2/2014

**Reviewed By:**

Date: 10/2/2014
**REPORT INFORMATION**
- Report Level: ☐ I/II ☐ III ☐ IV
- ☐ EDD: ☐ FAL Basic ☐ Geotracker ☐ Other: ☐ ☐ Custom: Contact FAL
- ☐ California State Drinking Water Form
- System #: ☐ Source #: ☐
- Sampler: ☐ Employer: ☐

**REPORT DISTRIBUTION** (email only is preferred)
- ☐ Hardcopy
- ☐ CD (.pdf including EDDs if requested)
- ☐ Email (.pdf including EDDs if requested)

**ADDITIONAL INSTRUCTIONS**
- ☐ **CONGENERS**
  - ☐ 2,3,7,8-TCDD only
  - ☐ 2,3,7,8-TCDD/F only
  - ☐ PCDD/F (Cl3-Cl7)
  - ☐ Other
- ☐ **TEQ**
  - ☐ 1998 WHO
  - ☐ 2005 WHO

**Sample ID** | Date Collected | Time | Matrix | No. of containers | EPA 1613** | EPA 8250** | ERM 02.0 | EPA 8200** | Appendix IX | EPA TO-99A | BPA 2323A | EPA 1668 | FAL 15 | Other **Remarks**
1 | TT1 | 5/10/14 | 11:04 | 9 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | Vent-wipe-blk-wire
2 | TT2 | 5/10/14 | 11:15 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | Can-12-blk-theater
3 | SS1 | 5/10/14 | 11:25 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | Can-12-blk
4 | BRT | 5/10/14 | 11:30 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -Carpet sample - carpet
5 | WW1 | 5/10/14 | 11:40 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -Window glazed
6 | WW2 | 5/10/14 | 11:45 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | Wall vent dirt
7 | TT3 | 5/10/14 | 11:30 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | Wall vent soil
8 | CW4 | 5/10/14 | 12- | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | Wall vent dust wipe
9 | AJ1 | 5/10/14 | 17:45 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | Wall vent dust
10 | AJ2 | 5/10/14 | 17:50 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | Wall vent dust
11 | (Living Bulk-1T | 5/10/14 | | | | | | | | | | | | | | | (Living Bulk-1T
12 | PAINT-1T | 5/10/14 | | | | | | | | | | | | | | | (Paint-1T
13 | | | | | | | | | | | | | | | | | (Paint-1T
14 | | | | | | | | | | | | | | | | | (Paint-1T
15 | | | | | | | | | | | | | | | | | (Paint-1T

Samples will be disposed of 90 days after sample receipt unless other arrangements have been made and agreed upon in writing.

Relinquished by: (Signature and Printed Name) | Date | Time | Received by: (Signature and Printed Name) | Date | Time
--- | --- | --- | --- | --- | ---
[Signature] | 12/01/14 | 9:20 | [Signature] | 5/13/14 | 9:20

Client understands that all terms described in the proposals, quotations, and/or the general terms provided in the current FAL price schedules will be followed.
FAL reserves the rights to terminate its service or withhold delivery of reports, if in FAL’s sole discretion the terms of the project have been broken.
Frontier Analytical Laboratory

Sample Login Form

FAL Project ID: **8490**

<table>
<thead>
<tr>
<th>Client:</th>
<th>Malibu Unites</th>
</tr>
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<tbody>
<tr>
<td>Client Project ID:</td>
<td>Malibu Unites</td>
</tr>
<tr>
<td>Date Received:</td>
<td>05/13/2014</td>
</tr>
<tr>
<td>Time Received:</td>
<td>09:20 am</td>
</tr>
<tr>
<td>Received By:</td>
<td>KZ</td>
</tr>
<tr>
<td>Logged In By:</td>
<td>KZ</td>
</tr>
<tr>
<td># of Samples Received:</td>
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<tr>
<td>Duplicates:</td>
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<tr>
<td>Storage Location:</td>
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<table>
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<tr>
<th>Method of Delivery:</th>
<th>California Overnight</th>
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<td>D10010681069063</td>
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<tr>
<td>Shipping Container Received Intact</td>
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<tr>
<td>Custody seals(s) present?</td>
<td>Yes</td>
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<td>Custody seals(s) intact?</td>
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<td>Sample Arrival Temperature (C)</td>
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<td>Cooling Method</td>
<td>Ice</td>
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<td>Chain Of Custody Present?</td>
<td>Yes</td>
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<tr>
<td>Return Shipping Container To Client</td>
<td>No</td>
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<tr>
<td>Test aqueous sample for residual Chlorine</td>
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<tr>
<td>Sodium Thiosulfate Added</td>
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<td>Adequate Sample Volume</td>
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<td>Appropriate Sample Container</td>
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<tr>
<td>pH Range of Aqueous Sample</td>
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Anomalies or additional comments: