



October 2, 2014

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

Dear [redacted],

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 sub-contract 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 congeners. 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,

## Frontier Analytical Laboratory

### Sample Tracking Log

FAL Project ID: **8490**

Received on: **05/13/2014**

Project Due: **06/05/2014** Storage: **F2**

FAL Sample ID	Dup	Client Project ID	Client Sample ID	Requested Method	Matrix	Sampling Date	Sampling Time	Hold Time Due Date
8490-001-SA	0	Malibu Unites	TT1	EPA 1668 PCB	Solid	05/10/2014	11:00 am	05/10/2015
8490-002-SA	0	Malibu Unites	TT2	EPA 1668 PCB	Solid	05/10/2014	11:15 am	05/10/2015
8490-003-SA	0	Malibu Unites	SS1	EPA 1668 PCB	Solid	05/10/2014	11:25 am	05/10/2015
8490-004-SA	0	Malibu Unites	ART	EPA 1668 PCB	Solid	05/10/2014	11:30 am	05/10/2015
8490-005-SA	0	Malibu Unites	WW1	EPA 1668 PCB	Solid	05/10/2014	11:40 am	05/10/2015
8490-006-SA	0	Malibu Unites	WW2	EPA 1668 PCB	Solid	05/10/2014	11:45 am	05/10/2015
8490-007-SA	0	Malibu Unites	TT3	EPA 1668 PCB	Solid	05/10/2014	11:30 am	05/10/2015
8490-008-SA	0	Malibu Unites	RMG	EPA 1668 PCB	Solid	05/10/2014	12:00 pm	05/10/2015
8490-009-SA	0	Malibu Unites	AJ1	EPA 1668 PCB	Solid	05/12/2014	07:45 am	05/12/2015
8490-010-SA	0	Malibu Unites	AJ2	EPA 1668 PCB	Solid	05/12/2014	07:50 am	05/12/2015
8490-011-SA	0	Malibu Unites	Ceiling Bulk - TT	EPA 1668 PCB	Solid	NP	NP	N/A
8490-012-SA	0	Malibu Unites	Paint - TT	EPA 1668 PCB	Solid	NP	NP	N/A

FAL Sample ID	Notes
8490-005-SA	'Sample not received.'
8490-006-SA	'Using sample ID from COC for our tracking purposes.'
8490-009-SA	'Using hand written sampling date from jar label for our tracking purposes.'
8490-010-SA	'Using hand written 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


Compound	Conc	RL	Qual
PCB-126	ND	25.0	

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-126	80.9	15.0 - 145	

Cleanup Surrogate			
13C-PCB-178	109	15.0 - 145	

- 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 reinjection

Analyst:   
Date: 10/2/2014

Reviewed By:   
Date: 10/2/2014

Modified EPA Method 1668C  
PCBs



FAL ID: 8490-001-OPR  
Client ID: OPR  
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/ml

Acquired: 08-06-2014  
WHO TEQ: NA

Compound	Conc	QC Limits
PCB-126	434	200 - 600
Internal Standards		
Internal Standards	% Rec	QC Limits
13C-PCB-126	82.7	15.0 - 145
Cleanup Surrogate		
13C-PCB-178	99.0	15.0 - 145

- 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 reinjection

Analyst:   
Date: 10/2/2014

Reviewed By:   
Date: 10/2/2014

Modified EPA Method 1668C  
PCBs



FAL ID: 8490-006-SA  
Client ID: WW2  
Matrix: Solid  
Batch No: X3149

Date Extracted: 08-05-2014  
Date Received: 05-13-2014  
Amount: 0.10 g

ICal: LRPCBFAL4-7-10-14  
GC Column: DB1  
Units: ng/g


Acquired: 08-07-2014  
WHO TEQ: NA  
Basis: Dry Weight

Compound	Conc	RL	Qual
PCB-126	57,600	25.0	


Internal Standards	% Rec	QC Limits	Qual
13C-PCB-126	NA	15.0 - 145	X,*

Cleanup Surrogate			
13C-PCB-178	NA	15.0 - 145	X,*

- 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 reinjection

Analyst:  \_\_\_\_\_

Date: 10/2/2014

Reviewed By:  \_\_\_\_\_

Date: 10/2/2014



Frontier Analytical Laboratory  
 5172 Hillside Circle  
 El Dorado Hills, CA 95762  
 Tel: 916-934-0900  
 Fax: 916-934-0999

**FAL USE ONLY**

Laboratory Project No.: 8490  
 Temperature: 0 °C

# Chain of Custody

www.frontieranalytical.com

Please Print in Pen Page      of     

CLIENT INFORMATION		INVOICE INFORMATION (if different from client info)		PROJECT INFORMATION													
Company Name: <u>FA</u>		Company Name: _____		FAL Quote #: _____													
Contact Name: _____		Contact Name: _____		P.O. #: _____													
Address: <u>22741 PCA</u>		Address: _____		Project #: _____													
Phone: <u>308485400</u>		Phone: _____		Project Name: _____													
Fax: _____		Fax: _____		TAT (business days): <input checked="" type="checkbox"/> 15 <input type="checkbox"/> 10 <input type="checkbox"/> 5* <input type="checkbox"/> 3* (✓ one)													
* FAL must agree with price and RUSH TAT in writing.																	
REPORT INFORMATION		REPORT DISTRIBUTION (email only is preferred)		ADDITIONAL INSTRUCTIONS													
Report Level: <input type="checkbox"/> I/II <input type="checkbox"/> III <input type="checkbox"/> IV		<input type="checkbox"/> Hardcopy															
<input type="checkbox"/> EDD: <input type="checkbox"/> FAL Basic <input type="checkbox"/> Geotracker		<input type="checkbox"/> CD (.pdf) including EDDs if requested)															
<input type="checkbox"/> Other: _____		<input checked="" type="checkbox"/> Email (.pdf) including EDDs if requested)															
<input type="checkbox"/> California State Drinking Water Form																	
System #: _____		Source #: _____															
Sampler: _____		Employer: _____															
Sample ID	Date Collected	Time	Matrix	# of containers	EPA 1613*	EPA 8290*	DLM 02.0	EPA 8280*	Appendix IX	EPA TO-9/A	EPA 23/23A	EPA 1668	FAL 15	Other	Remarks	**CONGENERS	**TEQ
1	5-10-14	11:04		1											VENT-wipe-blw kit 302	<input type="checkbox"/> 2,3,7,8-TCDD only	<input type="checkbox"/> 1998 WHO
2	5-10-14	11:15		1											caulk - vent theater	<input type="checkbox"/> 2,3,7,8-TCDD/F only	<input type="checkbox"/> 2005 WHO
3	5-10-14	11:25		1											caulk -	<input type="checkbox"/> PCDD/F (Cl <sub>4</sub> -Cl <sub>6</sub> )	<input type="checkbox"/> Other
4	5-10-14	11:30		1											caulk		
5	5-10-14	11:40		1											- carpet sample		
6	5-10-14	11:45		1											- caulk		
7	5-10-14	11:30		1											- window glazing		
8	5-10-14	12-		1											wall vent dirt		
9	5-10-14	7:45		1											wall vent soil		
10	5-10-14	7:50		1											wall vent DUST/WIPE		
11	Ceiling Bulk-TT																
12	paint - TT																
13																	
14																	
15																	
Relinquished by: (Signature and Printed Name)		Date		Time		Date		Time		Date		Time		Date		Time	

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

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**

Client:	Malibu Unites
Client Project ID:	Malibu Unites
Date Received:	05/13/2014
Time Received:	09:20 am
Received By:	KZ
Logged In By:	KZ
# of Samples Received:	12
Duplicates:	0
Storage Location:	F2

Method of Delivery:	California Overnight
Tracking Number:	D10010681069063
Shipping Container Received Intact	Yes
Custody seals(s) present?	Yes
Custody seals(s) intact?	Yes
Sample Arrival Temperature (C)	0
Cooling Method	Ice
Chain Of Custody Present?	Yes
Return Shipping Container To Client	No
Test aqueous sample for residual Chlorine	No
Sodium Thiosulfate Added	No
Adequate Sample Volume	Yes
Appropriate Sample Container	Yes
pH Range of Aqueous Sample	N/A
Anomalies or additional comments:	



Frontier Analytical Laboratory  
 5172 Hillside Circle  
 El Dorado Hills, CA 95762  
 Tel: (916) 934-0900  
 Fax: (916) 934-0999

## Chain of Custody

www.frontieranalytical.com

Please Print in Pen Page  of

<b>CLIENT INFORMATION</b> Company Name: <b>ASU</b> Contact Name: <b>[redacted]</b> Address: <b>22791 FLA</b> Phone: <b>916 846 3400</b> Fax: <b>[redacted]</b> (Print)	<b>INVENTORY</b> From: Frontier Analytical Laboratory To: <b>8490-010-SA</b> Client ID: <b>ASU</b> Storage: <b>F2 (01 of 01)</b>
<b>REPORT INFORMATION</b> Report Level: <input type="checkbox"/> I <input type="checkbox"/> II <input type="checkbox"/> III <input type="checkbox"/> IV <input type="checkbox"/> ESD <input type="checkbox"/> FAL <input type="checkbox"/> [redacted]	<b>PROJECT INFORMATION</b> FAL Quote #: _____ P.O. #: _____ Project #: _____ Project Name: _____ FAL (Business) #: <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> *FAL must agree with invoice and RESULTS in writing.
<b>ADDITIONAL INSTRUCTIONS</b>	







Frontier Analytical Laboratory  
 5172 Hillscircle Circle  
 El Dorado Hills, CA 95762  
 Tel: (916) 934-0900  
 Fax: (916) 934-0999

**EAL USE ONLY**

Laboratory Project No. 8490  
 Temperature 10°C

**Chain of Custody**

Please Print in Pen Page 1 of 1

CLIENT INFORMATION	INVOICE INFORMATION	PROJECT INFORMATION
Company Name: <u>J.A.U.</u>	Company Name:	Client Name:
Contact Name:	Contact Name:	Address:
Address: <u>227th St</u>	Address:	City/State/Zip:
Phone: <u>360-245-5419</u> Fax:	Phone:	Project Name:
Email:	Fax:	<input type="checkbox"/> All <input type="checkbox"/> I <input type="checkbox"/> II <input type="checkbox"/> III <input type="checkbox"/> IV <input type="checkbox"/> V <input type="checkbox"/> VI <input type="checkbox"/> VII <input type="checkbox"/> VIII <input type="checkbox"/> IX <input type="checkbox"/> X <input type="checkbox"/> XI <input type="checkbox"/> XII <input type="checkbox"/> XIII <input type="checkbox"/> XIV <input type="checkbox"/> XV <input type="checkbox"/> XVI <input type="checkbox"/> XVII <input type="checkbox"/> XVIII <input type="checkbox"/> XIX <input type="checkbox"/> XX <input type="checkbox"/> XXI <input type="checkbox"/> XXII <input type="checkbox"/> XXIII <input type="checkbox"/> XXIV <input type="checkbox"/> XXV <input type="checkbox"/> XXVI <input type="checkbox"/> XXVII <input type="checkbox"/> XXVIII <input type="checkbox"/> XXIX <input type="checkbox"/> XXX
REPORT INFORMATION	REPORT DISTRIBUTION	ADDITIONAL INSTRUCTIONS
Report Level: <input type="checkbox"/> I <input type="checkbox"/> II <input type="checkbox"/> III <input type="checkbox"/> IV	<input type="checkbox"/> Hardcopy	
<input type="checkbox"/> LHA <input type="checkbox"/> FAL BSA <input type="checkbox"/> GSA	<input type="checkbox"/> E-mail	

*Ceiling  
 Bulk - TT*

Frontier Analytical Laboratory  
**8490-011-SA**  
 Client ID: Ceiling Bulk - TT  
 Storage: E2 (010-VI)

*Paint - TT*

Frontier Analytical Laboratory  
**8490-012-SA**  
 Client ID: Paint - TT  
 Storage: E2 (010-VI)