October 2, 2014

Ms. Jennifer DeNicola
Malibu Unites
22741 Pacific Coast Highway, Suite 401
Malibu, CA 90265

Dear Ms. DeNicola,

The following results are for Frontier Analytical Laboratory project **8489**. This corresponds to your Malibu Unites project. Fifteen solid samples were received on 5/13/2014. All fifteen 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 8489-013-SA (Malibu Unites ID: JJC1) 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 a sample photo. 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 **8489**, 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,

Bradley B. Silverbush
Director of Operations

Frontier Analytical Laboratory

Sample Tracking Log

FAL Project ID: **8489**

Received on: **05/13/2014** Project Due: **06/05/2014** Storage: **R2**

FAL Sample ID	Dup	Client Project ID	Client Sample ID	Requested Method	Matrix	Sampling Date	Sampling Time	Hold Time Due Date
8489-001-SA	0	Malibu Unites	LL1	EPA 1668 PCB	Solid	05/10/2014	07:50 am	05/10/2015
8489-002-SA	0	Malibu Unites	LL2	EPA 1668 PCB	Solid	05/10/2014	07:50 am	05/10/2015
8489-003-SA	0	Malibu Unites	LL3	EPA 1668 PCB	Solid	05/10/2014	08:00 am	05/10/2015
8489-004-SA	0	Malibu Unites	LL4	EPA 1668 PCB	Solid	05/10/2014	08:15 am	05/10/2015
8489-005-SA	0	Malibu Unites	LL5	EPA 1668 PCB	Solid	05/10/2014	08:17 am	05/10/2015
8489-006-SA	0	Malibu Unites	JJ1	EPA 1668 PCB	Solid	05/10/2014	08:45 am	05/10/2015
8489-007-SA	0	Malibu Unites	BB1	EPA 1668 PCB	Solid	05/10/2014	09:05 am	05/10/2015
8489-008-SA	0	Malibu Unites	BB2	EPA 1668 PCB	Solid	05/10/2014	09:05 am	05/10/2015
8489-009-SA	0	Malibu Unites	BB3	EPA 1668 PCB	Solid	05/10/2014	09:05 am	05/10/2015
8489-010-SA	0	Malibu Unites	BB4	EPA 1668 PCB	Solid	05/10/2014	09:10 am	05/10/2015
8489-011-SA	0	Malibu Unites	BB5	EPA 1668 PCB	Solid	05/10/2014	09:38 am	05/10/2015
8489-012-SA	0	Malibu Unites	KK1	EPA 1668 PCB	Solid	05/10/2014	09:54 am	05/10/2015
8489-013-SA	0	Malibu Unites	JJC1	EPA 1668 PCB	Solid	05/10/2014	10:20 am	05/10/2015
8489-014-SA	0	Malibu Unites	JJC2	EPA 1668 PCB	Solid	05/10/2014	10:30 am	05/10/2015
8489-015-SA	0	Malibu Unites	JJC3	EPA 1668 PCB	Solid	05/10/2014	10:35 am	05/10/2015

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Modified EPA Method 1668C
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 8489-001-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

FRONTIER ANALYTICAL LABORATORY

FAL ID: 8489-001-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	% 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: 10/1/2014

Reviewed By: _____
Date: 10/1/2014

Modified EPA Method 1668C
PCBs

FRONTIER ANALYTICAL LABORATORY

FAL ID: 8489-013-SA
Client ID: JJC1
Matrix: Solid
Batch No: X3149

Date Extracted: 08-05-2014
Date Received: 05-13-2014
Amount: 0.11 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	122,000	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 Hillsdale Circle
El Dorado Hills, CA 95762
Tel: 916-934-0900
Fax: 916-934-0999

FAL USE ONLY
Laboratory Project No.: 8489
Temperature: 0 °C

Chain of Custody

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Please Print in Pen **Page_____ of_____**

CLIENT INFORMATION	**INVOICE INFORMATION** (if different from client info)	**PROJECT INFORMATION**
Company Name: MU	Company Name:	FAL Quote #:
Contact Name: Jen	Contact Name:	P.O. #:
Address: 22741 Pch, Malibu CA 90265	Address:	Project #:
Phone 310 848 5400 Fax:	Phone: Fax:	Project Name:
Email: Jen@malibuunites.com	Email:	TAT (business days): ☒ 15 ☐ 10 ☐ 5* ☐ 3* (√ one)
		* FAL must agree with price and RUSH TAT in writing.

REPORT INFORMATION	**REPORT DISTRIBUTION** (email only is preferred)	**ADDITIONAL INSTRUCTIONS**
Report Level: ☐ I/II ☐ III ☐ IV	☐ Hardcopy	
☐ EDD: ☐ FAL Basic ☐ Geotracker ☐ Other: _____ ☐ Custom: Contact FAL	☐ CD (.pdf including EDDs if requested)	
	☒ Email (.pdf including EDDs if requested)	
☐ 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-9/9A	EPA 23/23A	EPA 1668	FAL 15	Other	**CONGENERS: ☐ 2,3,7,8-TCDD only ☐ 2,3,7,8-TCDD/F only ☐ PCDD/F (Cl_4-Cl_8) **TEQ: ☐ 1998 WHO ☐ 2005 WHO ☐ Other	Remarks
1	LL1	5-10	7:50		1											Caulk
2	LL2	5-10	7:50		1											Caulk
3	LL3	5-10	8 AM		1											Dirt / Dust
4	LL4	5-10	8:15		1											Wipe Dust
5	LL5	5-10	8:17		1											CAULK
6	JJ1	5-10-14	8:45		1											CAULK
7	BB1	5.10.14	9:05		1											Felt - Vent
8	BB2	5.10.14	9:05		1											Vent - wipe
9	BB3	5.10.14	9:05		1											Wipe - inside cab trench
10	BB4	5.10.14	9:10		1											Wipe - undersink - trench
11	BB5	5.10.14	9:38		1											Soil - in wall vent
12	KK1	5.10.14	9:54		1											Soil - in wall vent
13	JJC1	5.10.14	10:20		1											Caulk - 1
14	JJC2	5.10.14	10:30		1											Caulk bathroom
15	JJC3	5.10.14	10:35		1											Caulk - outside bathroom

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
			Kathy Sapp / FedEx	5/13/14	920

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.

White Copy – Report
Yellow Copy – Laboratory
Pink Copy - Originator

Frontier Analytical Laboratory

Sample Login Form

FAL Project ID: **8489**

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:	15
Duplicates:	0
Storage Location:	R2

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	Yes
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:	

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