

January 17, 2018

Santa Monica-Malibu Unified School District Facilities Improvement Projects 2828 4<sup>th</sup> Street Santa Monica, California 90405

Attention: Nelson Martinez, CCM, LEED AP

Re: PCB Wipe and Air Sampling Results
Malibu High School, Building D

### 1 PROJECT BACKGROUND

Alta Environmental (Alta) conducted full-time monitoring and observation during the removal of two doorframes and associated suspect PCB impacted surrounding porous materials removed from the first floor restrooms in building D.

## 2 PROJECT OBSERVATIONS

#### **Doorframe Removal Work Activities**

Air Inc. removed the exterior door frames and suspect PCB impacted surrounding porous materials. A full containment work area including critical barriers, three-stage worker decontamination facility, and temporary negative pressure differential was established. The removal was completed using manual means and wet methods. The work was completed by HAZWOPER trained technicians.

Following the removal, Air Inc. and Alta field personnel performed a final visual inspection.

Following the PCB work and before dismantling of the containment, Alta collected surface wipe samples in each containment work area. The samples were analyzed and reported to be below the level of detection by the laboratory.

Furthermore, Alta conducted both wipe and air sampling inside each restroom when the construction in the restroom was completed. All samples collected, both wipe and air were reported below the recommended level established by the EPA area re-occupancy.

## 3 CONCLUSIONS

All PCB related work was completed in accordance with the approved "Specific PCB Removal/Remediation Plan" (#SMSD-16-6522), completed by Alta for this project, dated, April 6, 2017.

## 4 SIGNATORY

Respectfully submitted by:

**Alta Environmental** 

Cesar Ruvalcaba Project Manager

Certified Asbestos Consultant #95-1799 CDPH Certified Lead Project Monitor I-6855

Attachments:

Laboratory Results and Chain of Custodies

## Enviro – Chem, Inc. 1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

Date: June 15, 2017

Mr. Cesar Ruvalcaba
Alta Environmental
3777 Long Beach Blvd, Annex Building
Long Beach, CA 90807
Tel: (562)495-5777 Email:Cesar.Ruvalcaba@altaenviron.com

Project: Malibu H.S. / SMSD-17-6813

Lab I.D.: 170614-36, -37

Dear Mr. Ruvalcaba:

The **analytical results** for the wipe samples, received by our laboratory on June 14, 2017, are attached. The samples were received intact, and accompanying chain of custody.

Enviro-Chem appreciates the opportunity to provide you and your company this and other services. Please do not hesitate to call us if you have any questions.

Sincerely,

Curtis Desilets

Vice President/Program Manager

Andy Wang

Laboratory Manager

# LABORATORY REPORT

CUSTOMER: Alta Environmental

3777 Long Beach Blvd, Annex Building, Long Beach, CA 90807

Tel: (562) 495-5777 Email: Cesar. Ruvalcaba@altaenviron.com

PROJECT: Malibu H.S. / SMSD-17-6813

DATE SAMPLED: <u>06/13/17</u>

DATE RECEIVED: 06/14/17

DATE EXTRACTED: 06/14/17

MATRIX: WIPES

DATE ANALYZED: 06/14/17

REPORT TO: MR. CESAR RUVALCABA

DATE REPORTED: 06/15/17

## EPA 8082 FOR PCBs

UNITS: uG/100CM<sup>2</sup> = MICROGRAM PER 100 SQUARE CENTIMETERS

SAMPLE I.D.	LABORATORY I.D.	PCB- 1016	PCB- 1221	PCB- 1232	PCB- 1242	PCB- 1248	PCB- 1254	PCB- 1260	TOTAL PCBs*	DF
613-1	170614-36	ND	2							
613-2	170614-37	ND	1							
Method Blank		ND	1							
	PQL	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1 0	

### COMMENTS:

PQL = Practical Quantitation Limit

DF = Dilution Factor

Actual Detection Limit = PQL X DF

ND = Non-Detected or Below the Actual Detection Limit

\* = Sum of the PCB 1016, 1221, 1232, 1242, 1248, 1254 and 1260

Data Reviewed and Approved by:

CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro-Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

# **QA/QC Report**

Analysis: EPA 8082 (PCB)

Matrix:

<u>Wipe</u>

Date Analyzed:

6/14/2017

Unit:

ug / Wipe

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.:

170614-LCS1/2

Analyte	spk conc	MS	%REC	MSD	%REC	%RPD	ACP % RPD	ACP %REC
PCB (1016+1260)	20.0	23.9	119%	20.1	101%	17%	0-20%	70-130

# LCS STD RECOVERY:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	20.0	17.8	89%	75-125

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

Analyzed and Reviewed By:

Final Reviewer: \_\_\_\_

Enviro-Chem, Inc. L 1214 E. Lexington Ave Pomona, CA 91766 Tel: (909) 590-5905 Fax: CA-DHS ELAP CERTIFICA	enue, (909) 590-5907	Turnaround  1 Sar	RI	)	OF CONTAINERS.	TEMPERATURE -	PRESERVATION	FPA F2.80	*				SP	Misc./FO# MSD-16-6424	1
SAMPLE ID	LAB ID	SAMP DATE	LING TIME	MATTRIX	No. OF	rempl	PRESE	7	An	ålysi	s Req	uired		COMMENTS	200
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Company Name: Alta Environ					Project	t Contac	t: Cesai	Ruvalc	caba		Sam	pler's Signatu	ra:	-	
Address: 3777 Long Beach Bl	vd., Annex Bldg.	139			Tel: 5	62-495	-5777					ect Name/ID:	-		
City/State/Zip: Long Beach, Ca	lifornia 90807				Fax:		471-16-7-1					dalibult. SMSD-1			
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## Enviro – Chem, Inc. 1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

Date: November 3, 2017

Mr. Cesar Ruvalcaba
Alta Environmental

3777 Long Beach Blvd, Annex Building

Long Beach, CA 90807

Tel: (562) 495-5777 Email: Cesar. Ruvalcaba@altaenviron.com

Project: Malibu D - Restrooms

Lab I.D.: 171103-2, -3

Dear Mr. Ruvalcaba:

The **analytical results** for the wipe samples, received by our laboratory on November 3, 2017, are attached. The samples were received intact, and accompanying chain of custody.

Enviro-Chem appreciates the opportunity to provide you and your company this and other services. Please do not hesitate to call us if you have any questions.

Sincerely,

Curtis Desilets

Vice President/Program Manager

Andy Wang

Laboratory Manager

## LABORATORY REPORT

CUSTOMER: Alta Environmental

> 3777 Long Beach Blvd, Annex Building, Long Beach, CA 90807 Tel: (562) 495-5777 Email: Cesar. Ruvalcaba@altaenviron.com

PROJECT: Malibu D - Restrooms

DATE RECEIVED: 11/03/17

DATE SAMPLED: 11/02/17

DATE EXTRACTED: 11/03/17

DATE ANALYZED: 11/03/17

MATRIX: WIPE

REPORT TO: MR. CESAR RUVALCABA

DATE REPORTED: 11/03/17

#### EPA 8082 FOR PCBs

UNITS: uG/100CM2 = MICROGRAM PER 100 SQUARE CENTIMETERS

SAMPLE I.D.	LABORATORY I.D.	PCB- 1016	PCB- 1221	PCB- 1232	PCB- 1242	PCB- 1248	PCB- 1254	PCB- 1260	TOTAL PCBs*	DF
1102W-02	171103-2	ND	1							
1102W-03	171103-3	ND	1							
Method Blank		ND	1							
	POL	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	

#### COMMENTS:

PQL = Practical Quantitation Limit

DF = Dilution Factor

Actual Detection Limit = PQL X DF

ND = Non-Detected or Below the Actual Detection Limit

\* = Sum of the PCB 1016, 1221, 1232, 1242, 1248, 1254 and 1260

Data Reviewed and Approved by:\_

CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro-Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766

Tel (909)590-5905 Fax (909)590-5907

# **QA/QC Report**

Analysis: EPA 8082 (PCB)

Matrix:

<u>Wipe</u>

Date Analyzed:

11/3/2017

Unit:

ug / Wipe

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.:

171103-LCS1/2

Analyte	spk conc	MS	%REC	MSD	%REC	%RPD	ACP % RPD	ACP %REC
PCB (1016+1260)	20.0	16.1	80%	18.1	90%	12%	0-20%	70-130

## LCS STD RECOVERY:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	20.0	18.0	90%	75-125

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

Analyzed and Reviewed By:

Final Reviewer: \_\_\_

Enviro-Chem, Inc. L 1214 E. Lexington Ave Pomona, CA 91766 Tel: (909) 590-5905 Fax: CA-DHS ELAP CERTIFICA	enue, (909) 590-5907	Same Day 0 24 Hours 0 48 Hours 0 72 Hours 0 1 Week (St Other:	randard)	XIS	No. OF CONTAINERS	remperature	PRESERVATION	EPA 3540 8082	pc,			//			/ ^	lisc./PO	7
SAMPLE ID	LAB ID	SAMF DATE	PLING TIME	MATRIX	So. O	TEME	PRES		Analysis Required cor						OMMENTS	MMENTS	
11024-62	171103-2	11/02/17	1900	WIDE	V		Ice	X				Boas	PE	2-/	ve ba	door	-100
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Company Name: Alta Environ	ımental				Proje	ect Con	tact: Ces	ar Ruvalo	lcaba				's Signat	P			
3777 Long Beach Bl Address:	lvd., Annex Bldg.					562 4	95-5777	-				Project I	Name/ID/	عم	2	)	
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## **EMSL** Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

Phone: (856) 303-2500 Fax: (856) 858-4571 Email: <u>EnvChemistry2@emsl.com</u>

Attn: CESAR RUVALCABA

Alta Environmental 3777 Long Beach Blvd Annex Building Long Beach, CA 90807

Phone: (562) 495-5777

Fax:

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 11/14/2017. The results are tabulated on the attached data pages for the following client designated project:

### Malibu High - D - Restrooms

The reference number for these samples is EMSL Order #011709120. Please use this reference when calling about these samples. If you have any questions, please do not hesitate to contact me at (856) 303-2500.

Approved By:

11/17/2017

Phillip Worby, Environmental Chemistry Laboratory
Director



AIHA-LAP, LLC-IHLAP Lab # 100194 NELAP Certification: NJ 03036; NY 10872

The samples associated with this report were received in good condition unless otherwise noted. This report relates only to those items tested as received by the laboratory. The QC data associated with the sample results meet the recovery and precision requirements established by the AIHA, unless specifically indicated. The final results are not field blank corrected. The laboratory is not responsible for final results calculated using air volumes that have been provided by non-laboratory personnel. This report may not be reproduced except in full and without written approval by EMSL Analytical, Inc.



## **EMSL** Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077 (856) 303-2500 / (856) 858-4571

http://www.EMSL.com EnvChemistry2@emsl.com EMSL Order: CustomerID: CustomerPO:

ProjectID:

011709120

ALTA34

Attn: CESAR RUVALCABA **Alta Environmental** 3777 Long Beach Blvd **Annex Building** Long Beach, CA 90807

Project: Malibu High - D - Restrooms

Phone: (562) 495-5777

Fax:

Received: 11/14/17 8:30 AM

# Analytical Results

		Analytical R	Results					
Client Sample D	escription 1111-01		Collect	ted:	11/11/2017	Lab ID:	011709120-00	001
Method	Parameter	Result	RL (	Units	Prep Date	Analyst	Analysis Date	Analyst
TO-10A	Aroclor-1016	ND	0.0069	µg/m³	11/14/20	17 SD	11/15/2017	EH
TO-10A	Aroclor-1221	ND	0.0069	µg/m³	11/14/20	17 SD	11/15/2017	EH
TO-10A	Aroclor-1232	ND	0.0069	µg/m³	11/14/20	17 SD	11/15/2017	EH
TO-10A	Aroclor-1242	ND	0.0069 <sub>l</sub>	µg/m³	11/14/20	17 SD	11/15/2017	EH
TO-10A	Aroclor-1248	ND	0.0069	µg/m³	11/14/20	17 SD	11/15/2017	EH
TO-10A	Aroclor-1254	ND	0.0069 <sub>l</sub>	µg/m³	11/14/20	17 SD	11/15/2017	EH
TO-10A	Aroclor-1260	ND	0.0069	µg/m³	11/14/20	17 SD	11/15/2017	EH
TO-10A	Aroclor-1262	ND	0.0069 լ	µg/m³	11/14/20 <sup>-</sup>	17 SD	11/15/2017	EH
TO-10A	Aroclor-1268	ND	0.0069	µg/m³	11/14/20	17 SD	11/15/2017	EH
Client Sample D	escription 1111-02		Collect	ted:	11/11/2017	Lab ID:	011709120-00	002
					_			
Method	Parameter	Result	RL U	Units	Prep Date	Analyst	Analysis Date	Analyst
TO-10A	Aroclor-1016	ND	0.0068	µg/m³	11/14/20	17 SD	11/15/2017	EH
TO-10A	Aroclor-1221	ND	ا 8600.0	µg/m³	11/14/20	17 SD	11/15/2017	EH
TO-10A	Aroclor-1232	ND	0.0068	µg/m³	11/14/20	17 SD	11/15/2017	EH
TO-10A	Aroclor-1242	ND	ا 0.0068	µg/m³	11/14/20 <sup>-</sup>	17 SD	11/15/2017	EH
TO-10A	Aroclor-1248	ND	0.0068	µg/m³	11/14/20	17 SD	11/15/2017	EH
TO-10A	Aroclor-1254	ND	ا 0.0068	µg/m³	11/14/20 <sup>-</sup>	17 SD	11/15/2017	EH
TO-10A	Aroclor-1260	ND	0.0068	µg/m³	11/14/20	17 SD	11/15/2017	EH
TO-10A	Aroclor-1262	ND	ا 0.0068	µg/m³	11/14/20 <sup>-</sup>	17 SD	11/15/2017	EH
TO-10A	Aroclor-1268	ND	0.0068	µg/m³	11/14/20	17 SD	11/15/2017	EH
Client Sample D	escription 1111-03		Collect	ted:	11/11/2017	Lab ID:	011709120-00	003
Method	Parameter	Result	RL (	Units	Prep Date	Analyst	Analysis Date	Analyst
TO-10A	Aroclor-1016	ND		µg/tube		•	11/15/2017	EH
TO-10A	Aroclor-1221	ND	0.050	µg/tube	11/14/20	17 SD	11/15/2017	EH

ND

ND

0.050 µg/tube

0.050 µg/tube

Aroclor-1232

Aroclor-1242

TO-10A

TO-10A

11/15/2017

11/15/2017

EΗ

EΗ

SD

SD

11/14/2017

11/14/2017



# **EMSL** Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (856) 303-2500 / (856) 858-4571

http://www.EMSL.com EnvChemistry2@emsl.com EMSL Order: CustomerID:

011709120

ALTA34

CustomerPO: ProjectID:

Attn: CESAR RUVALCABA **Alta Environmental** 3777 Long Beach Blvd **Annex Building** Long Beach, CA 90807

Project: Malibu High - D - Restrooms

Phone: (562) 495-5777

Fax:

Received: 11/14/17 8:30 AM

## **Analytical Results**

Client Sample Description	1111-03	Collected:	11/11/2017	Lab ID:	011709120-0003

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
TO-10A	Aroclor-1248	ND	0.050	μg/tube	11/14/2017	SD	11/15/2017	EH
TO-10A	Aroclor-1254	ND	0.050	μg/tube	11/14/2017	SD	11/15/2017	EH
TO-10A	Aroclor-1260	ND	0.050	μg/tube	11/14/2017	SD	11/15/2017	EH
TO-10A	Aroclor-1262	ND	0.050	μg/tube	11/14/2017	SD	11/15/2017	EH
TO-10A	Aroclor-1268	ND	0.050	μg/tube	11/14/2017	SD	11/15/2017	EH

#### **Definitions:**

ND - indicates that the analyte was not detected at the reporting limit

RL - Reporting Limit (Analytical)



# **Environmental Chemistry** Chain of Custody EMSL Order Number (Lab Use Only):

EMSL ANALYTICAL, INC. 200 ROUTE 130 NORTH CINNAMINSON, NJ 08077

PHONE: (800) 220-3675 FAX: (856) 786-5974

Report To Contact Nam	ne: (Lo	Sur	Kuvalc	aba		Bill To Company:			
Company Name: A	Ita e	MU!	vonme	ntal		Attention To:	Same		
Street: 3777 (	na Br	each	BIVE	Anno	4	Street:			
City: lung Bosch	State/Pr	ovince	. CA	Zip/Postal C	ode: 90280	City:	State/Province:		Zip/Postal Code:
Phone: 562 495	5779	Fax:					Fax:	Taller Santonia	
Project Name: MaC	ibu H	igh	- D-P.	strooms	Email Re	esults To: all evil	Von. com U.S. State W	here Sampl	es Collected: CA
Number of Samples in S	Shipment:	3	Date of Sh	ipment: 11//			Sampled By (Signatu		
Standard Turnaround T		THE RESERVE AND ADDRESS OF THE PERSON NAMED IN	(S	The following	g TAT's are subje		] 1 Week ☐ 4 Days 🛛 3		Days 🗌 1 Day
Failure to complete will	hinder prod	essing	of samples	Matrix	Preservative	List	t Test(s) Needed		
Client Sample ID	Comp	Grab	Date/Time	W=Water S=Soil A=Air SL=Sludge O= Other	1=HCL 2=HNO3 3=H2SO4 4=ICE 5=Other	EPA FO-10A			Comments
1111-61			14/11/17 08/0	A	4				4.95L for 1460m
1111-02	A		11/11/17 0825		4				4.956 for 1460m 5.056 for 1450m
) 1111-03			11/11/17 0830	A	4	V			
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Instructions or Comme	ents:								