



August 24, 2020

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

**Attention: Nelson Martinez**

**Re: PCB Removal Clearance Letter  
Malibu High School – Building F**

## **1 PROJECT BACKGROUND**

Alta Environmental DBA NV5 (NV5) conducted full-time monitoring and observation during the removal of flooring material containing polychlorinated biphenyls (PCBs) from Rooms 303 (Enhanced Lecture), 303A (Janitor's Closet), 303B (Lecture Prep), and 303C (office), which are located in Malibu High School Building F. The removal activities were conducted in accordance with the USEPA-approved *PCB Remediation Waste Plan – Buildings D, F, G, I and J* dated April 13, 2018 (Work Plan).

## **2 PROJECT OBSERVATIONS**

### **Flooring Removal Work Activities**

Miller Environmental, Inc. (Miller) completed removal of PCB containing source material (adhesive) at the Site. Prior to beginning removal activities, a full containment work area including critical barriers, three-stage worker decontamination facility, and temporary negative pressure differential was established. Removal activities were completed by HAZWOPER trained technicians using manual means and wet methods.

Following the removal of all visible flooring material and associated adhesive, Miller and NV5 field personnel performed a final visual inspection. Once the area was found to be acceptably free of PCB-impacted materials, dust and other debris, Miller applied the specified 2-layer epoxy floor coating in accordance with the approved application. The final coat of the epoxy was applied on July 21, 2020. After an appropriate cure time, NV5 collected an initial set of wipe samples on July 22, 2020 to clear the work area for restoration activities.

Following restoration, NV5 collected final confirmation air samples on August 3, 2020 and final confirmation wipe samples of August 5, 2020. Based on the reported laboratory results, the subject work area was released back to the Santa Monica Malibu Unified School District for re-occupancy on August 6, 2020.

### **NV5**

3777 Long Beach Boulevard Annex Building Long Beach CA 90807 United States of America  
T (+1) (310) 530 5006 F (+1) (310) 530 0792 NV5.com


### 3 CONCLUSIONS

The previously identified PCB-impacted flooring materials within Malibu High School Building F Rooms 303, 303A, 303B and 303C were appropriately removed and disposed, and the remaining substrate was encapsulated in accordance with the USEPA-approved Work Plan.

### 4 SIGNATORY


Respectfully submitted by:

NV5

  
Jonathan Barkman  
Project Manager

Reviewed by:

NV5

  
David R. Schack  
Vice President, Building Sciences

Attachments:

Laboratory Analytical Reports

## **APPENDIX A**

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### **Laboratory Results – Initial Post-Remediation Sampling**



## American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181  
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### Ordered By

NV5  
3777 Long Beach Blvd.  
Long Beach, CA 90807-

Number of Pages 5  
Date Received 07/22/2020  
Date Reported 07/23/2020

Telephone: (562)495-5777  
Attention: Jonathan Barkman

Job Number	Order Date	Client
105502	07/22/2020	NV5

**Project ID:** SMSD-20-9592  
**Project Name:** Malibu High School  
**Site:** Malibu High School  
30215 Morning View Dr.  
Malibu, CA 90265

Enclosed please find results of analyses of 10 solid samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: \_\_\_\_\_

Approved By: \_\_\_\_\_

Joe Sevrean  
Laboratory Director



**AMERICAN ENVIRONMENTAL TESTING LABORATORY**  
 2834 NORTH NAOMI ST. BURBANK, CALIFORNIA 91504 ELAP # 1541 LACSD# 10181  
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**CHAIN OF CUSTODY RECORD**

117971

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AETL JOB No. 105502

COMPANY **NVS** PROJECT MANAGER **J. Barkman**  
 COMPANY ADDRESS **3777 Long Beach Blvd.** PHONE **562 495 5777**  
**Long Beach Cal. 90807** EMAIL **Jonathan.Barkman@NVS**  
 PROJECT NAME **Malibu H.S.** PROJECT # \_\_\_\_\_  
 SITE NAME **30215 Morning View Dr.** PO # \_\_\_\_\_  
 AND ADDRESS \_\_\_\_\_

SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.
1 IO722-1	105502.01	7/22/20	1200	WIPES	1	ICED
2 L 2	105502.02		1205			
3 L 3	105502.03		1210			
4 FO722-1	105502.04		1230			
5 L 2	105502.05		1235			
6 L 3	105502.06		1240			
7 L 4	105502.07		1245			
8 L 5	105502.08		1250			
9 L 6	105502.09		1255			
10 L 7	105502.10		1300			
11						
12						
13						
14						
15						

TEST INSTRUCTIONS & COMMENTS

<b>ANALYSIS REQUESTED</b>	PCB 8082	Sox let
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**RELINQUISHED BY:**

1. SAMPLER:	2.	3.
Signature: <i>M. Flores</i> Printed Name: <b>Mandy Flores</b> Date: <b>7/22/20</b> Time: <b>1415</b>	Signature: _____ Printed Name: _____ Date: _____ Time: _____	Signature: <i>[Signature]</i> Printed Name: _____ Date: <b>7/22/20</b> Time: <b>15:59</b>
<b>RECEIVED BY:</b> 1. Signature: <i>[Signature]</i> Printed Name: <b>Cesar Garcia</b> Date: <b>7/22/20</b> Time: <b>19:15</b>	<b>RECEIVED BY:</b> 2. Signature: _____ Printed Name: _____ Date: _____ Time: _____	<b>RECEIVED BY:</b> 3. Signature: _____ Printed Name: _____ Date: <b>7/22/20</b> Time: <b>1559</b>

**TOTAL NUMBER OF CONTAINERS:** 10

**BILLING INFORMATION / SPECIAL INSTRUCTIONS**  
 cc: David.Schack@NVS.com  
 Randolph.Flores@NVS.com

**TURN AROUND TIME**

**DATA DELIVERABLE REQUIRED**

NORMAL  SAME DAY RUSH  NEXT DAY RUSH

2 DAYS RUSH  3 DAYS RUSH  4 DAYS RUSH

HARD COPY  E-COPY  GEOTRACKER (GLOBAL ID)  OTHER (PLEASE SPECIFY) \_\_\_\_\_

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator



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# AMERICAN ENVIRONMENTAL TESTING LABORATORY

2834 N. NAOMI ST. BURBANK, CALIFORNIA 91504 ELAP# 1541 & 2402 LACSD# 10181

TEL (888) 288-AETL (818) 845-8200 FAX (818) 845-8840 www.aetlab.com

## COOLER RECEIPT FORM

Client Name: <i>NYS</i>			
Project Name:			
AETL Job Number: <i>105502</i>			
Date Received: <i>7/22/2020</i>		Received by: <i>Sargis-P</i>	
Carrier: <input checked="" type="checkbox"/> AETL Courier <input type="checkbox"/> Client <input type="checkbox"/> GSO <input type="checkbox"/> FedEx <input type="checkbox"/> UPS			
<input type="checkbox"/> Others:			
Samples were received in: <input checked="" type="checkbox"/> Cooler ( <i>1</i> ) <input type="checkbox"/> Other (Specify):			
Inside temperature of shipping container No 1: <i>3.2°C</i> , No 2: _____, No 3: _____			
Type of sample containers: <input type="checkbox"/> VOA, <input type="checkbox"/> Glass bottles, <input checked="" type="checkbox"/> Wide mouth jars, <input type="checkbox"/> HDPE bottles, <input type="checkbox"/> Metal sleeves, <input type="checkbox"/> Others (Specify):			
How are samples preserved: <input type="checkbox"/> None, <input checked="" type="checkbox"/> Ice, <input type="checkbox"/> Blue Ice, <input type="checkbox"/> Dry Ice			
<input type="checkbox"/> None, <input type="checkbox"/> HNO <sub>3</sub> , <input type="checkbox"/> NaOH, <input type="checkbox"/> ZnOAc, <input type="checkbox"/> HCl, <input type="checkbox"/> Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> , <input type="checkbox"/> MeOH			
<input checked="" type="checkbox"/> Other (Specify): <i>WIPS</i>			
	Yes	No, explain below	Name, if client was notified.
1. Are the COCs Correct?	<i>✓</i>		
2. Are the Sample labels legible?	<i>✓</i>		
3. Do samples match the COC?	<i>✓</i>		
4. Are the required analyses clear?	<i>✓</i>		
5. Is there enough samples for required analysis?	<i>✓</i>		
6. Are samples sealed with evidence tape?	<i>N/A</i>		
7. Are sample containers in good condition?	<i>✓</i>		
8. Are samples preserved?	<i>✓</i>		
9. Are samples preserved properly for the intended analysis?	<i>✓</i>		
10. Are the VOAs free of headspace?	<i>N/A</i>		
11. Are the jars free of headspace?	<i>✓</i>		

**PLEASE NOTE ALL SAMPLES WILL BE DISPOSED OF 30 DAYS AFTER RECEIVING DATE. IF AETL IS INFORMED OTHERWISE, THERE WILL BE A STORAGE CHARGE PER SAMPLE PER MONTH FOR ANY SAMPLE HELD BEYOND 30 DAYS.**

**Explain all "No" answers for above questions:**

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Page: 1 A

### Ordered By

NV5  
3777 Long Beach Blvd.  
Long Beach, CA 90807-

Project ID: SMSD-20-9592  
Date Received 07/22/2020  
Date Reported 07/23/2020

Telephone: (562) 495-5777  
Attention: Jonathan Barkman

Job Number	Order Date	Client
105502	07/22/2020	NV5

## CERTIFICATE OF ANALYSIS CASE NARRATIVE

AETL received 10 samples with the following specification on 07/22/2020.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
105502.01	I0722-1	07/22/2020	Solid	1
105502.02	I0722-2	07/22/2020	Solid	1
105502.03	I0722-3	07/22/2020	Solid	1
105502.04	F0722-1	07/22/2020	Solid	1
105502.05	F0722-2	07/22/2020	Solid	1
105502.06	F0722-3	07/22/2020	Solid	1
105502.07	F0722-4	07/22/2020	Solid	1
105502.08	F0722-5	07/22/2020	Solid	1
105502.09	F0722-6	07/22/2020	Solid	1
105502.10	F0722-7	07/22/2020	Solid	1

Method ^ Submethod	Req Date	Priority	TAT	Units
(8082) ^ WIPE-2	07/23/2020	2	Rush	ug/100cm2

The samples were analyzed as specified on the enclosed chain of custody. No analytical non-conformances were encountered.

Unless otherwise noted, all results of soil and solid samples are based on wet weight.

Checked By: 

Approved By: 

Joe Sevran  
Laboratory Director



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## ANALYTICAL RESULTS

### Ordered By

NV5  
3777 Long Beach Blvd.  
Long Beach, CA 90807-

### Site

Malibu High School  
30215 Morning View Dr.  
Malibu, CA 90265

Telephone: (562)495-5777

Attn: Jonathan Barkman

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Project ID: SMSD-20-9592

Project Name: Malibu High School

AETL Job Number	Submitted	Client
105502	07/22/2020	NV5

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 072220

Our Lab I.D.			Method Blank	105502.01	105502.02	105502.03	105502.04
Client Sample I.D.				I0722-1	I0722-2	I0722-3	F0722-1
Date Sampled				07/22/2020	07/22/2020	07/22/2020	07/22/2020
Date Prepared			07/22/2020	07/22/2020	07/22/2020	07/22/2020	07/22/2020
Preparation Method			3540C	3540C	3540C	3540C	3540C
Date Analyzed			07/23/2020	07/23/2020	07/23/2020	07/23/2020	07/23/2020
Matrix			Solid	Solid	Solid	Solid	Solid
Units			ug/100cm2	ug/100cm2	ug/100cm2	ug/100cm2	ug/100cm2
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Aroclor-1016 (PCB-1016)	0.05	0.10	ND	ND	ND	ND	ND
Aroclor-1221 (PCB-1221)	0.05	0.10	ND	ND	ND	ND	ND
Aroclor-1232 (PCB-1232)	0.05	0.10	ND	ND	ND	ND	ND
Aroclor-1242 (PCB-1242)	0.05	0.10	ND	ND	ND	ND	ND
Aroclor-1248 (PCB-1248)	0.05	0.10	ND	ND	ND	ND	ND
Aroclor-1254 (PCB-1254)	0.05	0.10	ND	ND	ND	ND	0.188
Aroclor-1260 (PCB-1260)	0.05	0.10	ND	ND	ND	ND	ND
Aroclor-1262 (PCB-1262)	0.05	0.10	ND	ND	ND	ND	ND
Aroclor-1268 (PCB-1268)	0.05	0.10	ND	ND	ND	ND	ND
Our Lab I.D.			Method Blank	105502.01	105502.02	105502.03	105502.04
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Decachlorobiphenyl	30-150		79.0	71.5	57.2	47.2	57.1
Tetrachloro-m-xylene	30-150		61.2	58.4	58.4	55.8	56.1





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## ANALYTICAL RESULTS

### Ordered By

NV5  
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 Long Beach, CA 90807-

### Site

Malibu High School  
 30215 Morning View Dr.  
 Malibu, CA 90265

Telephone: (562)495-5777

Attn: Jonathan Barkman

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Project ID: SMSD-20-9592

Project Name: Malibu High School

AETL Job Number	Submitted	Client
105502	07/22/2020	NV5

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 072220

Our Lab I.D.			105502.05	105502.06	105502.07	105502.08	105502.09
Client Sample I.D.			F0722-2	F0722-3	F0722-4	F0722-5	F0722-6
Date Sampled			07/22/2020	07/22/2020	07/22/2020	07/22/2020	07/22/2020
Date Prepared			07/22/2020	07/22/2020	07/22/2020	07/22/2020	07/22/2020
Preparation Method			3540C	3540C	3540C	3540C	3540C
Date Analyzed			07/23/2020	07/23/2020	07/23/2020	07/23/2020	07/23/2020
Matrix			Solid	Solid	Solid	Solid	Solid
Units			ug/100cm2	ug/100cm2	ug/100cm2	ug/100cm2	ug/100cm2
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Aroclor-1016 (PCB-1016)	0.05	0.10	ND	ND	ND	ND	ND
Aroclor-1221 (PCB-1221)	0.05	0.10	ND	ND	ND	ND	ND
Aroclor-1232 (PCB-1232)	0.05	0.10	ND	ND	ND	ND	ND
Aroclor-1242 (PCB-1242)	0.05	0.10	ND	ND	ND	ND	ND
Aroclor-1248 (PCB-1248)	0.05	0.10	ND	ND	ND	ND	ND
Aroclor-1254 (PCB-1254)	0.05	0.10	ND	ND	ND	ND	ND
Aroclor-1260 (PCB-1260)	0.05	0.10	ND	ND	ND	ND	ND
Aroclor-1262 (PCB-1262)	0.05	0.10	ND	ND	ND	ND	ND
Aroclor-1268 (PCB-1268)	0.05	0.10	ND	ND	ND	ND	ND
Our Lab I.D.			105502.05	105502.06	105502.07	105502.08	105502.09
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Decachlorobiphenyl	30-150		51.1	57.4	52.0	57.3	58.4
Tetrachloro-m-xylene	30-150		41.3	61.4	53.3	49.0	46.9



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## ANALYTICAL RESULTS

### Ordered By

NV5  
 3777 Long Beach Blvd.  
 Long Beach, CA 90807-

### Site

Malibu High School  
 30215 Morning View Dr.  
 Malibu, CA 90265

Telephone: (562)495-5777

Attn: Jonathan Barkman

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Project ID: SMSD-20-9592

Project Name: Malibu High School

AETL Job Number	Submitted	Client
105502	07/22/2020	NV5

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 072220

Our Lab I.D.	105502.10		
Client Sample I.D.	F0722-7		
Date Sampled	07/22/2020		
Date Prepared	07/22/2020		
Preparation Method	3540C		
Date Analyzed	07/23/2020		
Matrix	Solid		
Units	ug/100cm2		
Dilution Factor	1		
Analytes	MDL	PQL	Results
Aroclor-1016 (PCB-1016)	0.05	0.10	ND
Aroclor-1221 (PCB-1221)	0.05	0.10	ND
Aroclor-1232 (PCB-1232)	0.05	0.10	ND
Aroclor-1242 (PCB-1242)	0.05	0.10	ND
Aroclor-1248 (PCB-1248)	0.05	0.10	ND
Aroclor-1254 (PCB-1254)	0.05	0.10	ND
Aroclor-1260 (PCB-1260)	0.05	0.10	ND
Aroclor-1262 (PCB-1262)	0.05	0.10	ND
Aroclor-1268 (PCB-1268)	0.05	0.10	ND
Our Lab I.D.	105502.10		
Surrogates	%Rec.Limit	% Rec.	
Decachlorobiphenyl	30-150	53.2	
Tetrachloro-m-xylene	30-150	60.4	



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## QUALITY CONTROL RESULTS

### Ordered By

NV5  
3777 Long Beach Blvd.  
Long Beach, CA 90807-

### Site

Malibu High School  
30215 Morning View Dr.  
Malibu, CA 90265

Telephone: (562)495-5777

Attn: Jonathan Barkman

Page: 5

Project ID: SMSD-20-9592

Project Name: Malibu High School

AETL Job Number	Submitted	Client
105502	07/22/2020	NV5

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 072220; LCS: Blank; LCS Prepared: 07/22/2020; LCS Analyzed: 07/23/2020; Units: ug/100cm2

Analytes	LCS	LCS	LCS	LCS DUP	LCS DUP	LCS DUP	LCS RPD	LCS/LCSD	LCS RPD	
	Concen	Recov	% REC	Concen	Recov	% REC	% REC	% Limit	% Limit	
Aroclor-1016 (PCB-1016)	500	515	103	500	645	129	22.4	50-150	<20	
Aroclor-1260 (PCB-1260)	500	665	133	500	745	149	11.3	50-150	<20	
<b>Surrogates</b>										
Decachlorobiphenyl	50.0	37.4	74.8	50.0	42.7	85.4	13.2	30-150	<20	
Tetrachloro-m-xylene	50.0	37.7	75.4	50.0	37.8	75.6	<1	30-150	<20	



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## Data Qualifiers and Descriptors

### *Data Qualifier:*

- #: Recovery is not within acceptable control limits.
- \*: In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
- B: Analyte was present in the Method Blank.
- D: Result is from a diluted analysis.
- E: Result is beyond calibration limits and is estimated.
- H: Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
- J: Analyte was detected . However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
- M: Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
- MCL: Maximum Contaminant Level
- NS: No Standard Available
- S6: Surrogate recovery is outside control limits due to matrix interference.
- S8: The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
- X: Results represent LCS and LCSD data.

### *Definition:*

- %Limi: Percent acceptable limits.
- %REC: Percent recovery.
- Con.L: Acceptable Control Limits
- Conce: Added concentration to the sample.
- LCS: Laboratory Control Sample
- MDL: Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.



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TEL (888) 288-AETL (818) 845-8200 FAX (818) 845-8840 [www.aetlab.com](http://www.aetlab.com)

## Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference

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## **APPENDIX B**

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### **Laboratory Results – Work Area Re-Occupancy Clearance Sampling**



## AMERICAN ENVIRONMENTAL TESTING LABORATORY

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TEL (888) 288-AETL • (818) 845-8200 • www.aetlab.com

August 05, 2020

AETL Job No: BBH0026  
Project Number: SMSD-20-9426  
Received Date: 08/04/2020

Jonathan Barkman  
NV5  
3777 Long Beach Boulevard, Annex Building  
Long Beach, CA 90807

Project Name: Malibu High School Bldg. F

Site: Malibu High School  
30215 Morning View Dr.  
Malibu, CA 90265

Enclosed please find the results of analyses for samples which were analyzed as specified on the attached chain of custody. If you have any questions concerning this report, please do not hesitate to call.

Checked By:

Christine Novshadayan  
Project Manager

Approved By:

Corey Jones  
Project Manager

# Table of Contents

Client Project Name: Malibu High School (SMSD-20-9426)  
Work Order Number: BBH0026

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2834 North Naomi Street Burbank, CA 91504 • ELAP# 1541 & 2402 • LACSD# 10181  
TEL (888) 288-AETL • (818) 845-8200 • www.aetlab.com

NV5	AETL Job Number: BBH0026	Site: Malibu High School
3777 Long Beach Boulevard, Annex Building	Project Number: SMSD-20-9426	30215 Morning View Dr.
Long Beach, CA 90807	Project Manager: Jonathan Barkman	Malibu, CA 90265
	Project Name: Malibu High School	Reported: 08/05/2020 16:50

## Sample Condition on Receipt

Cooler ID: Default Cooler

Temperature: 3.1 °C

Are the COCs Correct	Y		
Labels Legible	Y	Containers In Good Condition	Y
COC/Labels Agree	Y	Samples Preserved Properly	Y
Sufficient Sample Volume	Y	Sufficient Holding Time for all Tests	Y
Sample Labels intact	Y	Received on Ice	Y



**AMERICAN ENVIRONMENTAL TESTING LABORATORY**  
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# CHAIN OF CUSTODY RECORD

120170

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AETL JOB No. B3BH0026

COMPANY NVS (Alta Environmental) PROJECT MANAGER Jon Barkman  
 COMPANY ADDRESS 3777 Long Beach Blvd. (Annex Bldg) Beach PHONE 310-920-8404  
 PROJECT NAME Malibu High School, Bldg F PROJECT # SM5D-20-9592 EMAIL Jon.Barkman@NVS.com  
 SITE NAME 30215 Morning View Dr. PO # \_\_\_\_\_  
 AND ADDRESS Malibu, CA 90265

SAMPLE ID	LAB ID	DATE	TIME START	MATRIX	CONTAINER NUMBER/SIZE	PRES.
1 F080320-1	B3BH0026-01	08-03-20	1407	AIR	1	ICE
2 F080320-2	B3BH0026-02		1322			
3 F080320-3	B3BH0026-03		1415			
4 F080320-B	B3BH0026-04					
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

TOTAL NUMBER OF CONTAINERS: 4

BILLING INFORMATION / SPECIAL INSTRUCTIONS  
CC: Jonathun.Barkman@NVS.com  
Dave.Shaek@NVS.com

TURN AROUND TIME DATA DELIVERABLE REQUIRED  
 NORMAL  SAME DAY RUSH  NEXT DAY RUSH  
 2 DAYS RUSH  3 DAYS RUSH  4 DAYS RUSH

RELINQUISHED BY SAMPLER: ANAYARA VILLANUEVA Signature: [Signature] Date: 08-04-20 Time: 1435  
 RELINQUISHED BY: [Signature] Date: 8/4/20 Time: 1605

RECEIVED BY: [Signature] Date: 8/4/20 Time: 1605

TEST INSTRUCTIONS & COMMENTS  
 EPA 8082  
 X X X X  
 Stop time  
 1352 1307 1400  
 Volume extracted  
 7125 7139.3 7140.7

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator



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2834 N. NAOMI ST. BURBANK, CALIFORNIA 91504 ELAP# 1541 & 2402 LACSD# 10181

TEL (888) 288-AETL (818) 845-8200 FAX (818) 845-8840 www.aetlab.com

## COOLER RECEIPT FORM

Client Name: <i>NV5</i>			
Project Name:			
AETL Job Number: <i>BBH0026</i>			
Date Received: <i>8/4/2020</i>		Received by: <i>Sargis Pirch</i>	
Carrier: <input checked="" type="checkbox"/> AETL Courier <input type="checkbox"/> Client <input type="checkbox"/> GSL <input type="checkbox"/> FedEx <input type="checkbox"/> UPS			
<input type="checkbox"/> Others:			
Samples were received in: <input checked="" type="checkbox"/> Cooler ( <i>\</i> ) <input type="checkbox"/> Other (Specify):			
Inside temperature of shipping container No 1: <i>3.1</i> °C, No 2: _____, No 3: _____			
Type of sample containers: <input type="checkbox"/> VOA, <input type="checkbox"/> Glass bottles, <input type="checkbox"/> Wide mouth jars, <input type="checkbox"/> HDPE bottles, <input type="checkbox"/> Metal sleeves, <input checked="" type="checkbox"/> Others (Specify): <i>Puffe</i>			
How are samples preserved: <input type="checkbox"/> None, <input checked="" type="checkbox"/> Ice, <input type="checkbox"/> Blue Ice, <input type="checkbox"/> Dry Ice			
<input checked="" type="checkbox"/> None, <input type="checkbox"/> HNO <sub>3</sub> , <input type="checkbox"/> NaOH, <input type="checkbox"/> ZnOAc, <input type="checkbox"/> HCl, <input type="checkbox"/> Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> , <input type="checkbox"/> MeOH			
<input type="checkbox"/> Other (Specify):			
	<b>Yes</b>	<b>No, explain below</b>	<b>Name, if client was notified.</b>
1. Are the COCs Correct?	<i>✓</i>		
2. Are the Sample labels legible?	<i>✓</i>		
3. Do samples match the COC?	<i>✓</i>		
4. Are the required analyses clear?	<i>✓</i>		
5. Is there enough samples for required analysis?	<i>✓</i>		
6. Are samples sealed with evidence tape?	<i>N/A</i>		
7. Are sample containers in good condition?	<i>✓</i>		
8. Are samples preserved?	<i>✓</i>		
9. Are samples preserved properly for the intended analysis?	<i>✓</i>		
10. Are the VOAs free of headspace?	<i>N/A</i>		
11. Are the jars free of headspace?	<i>✓</i>		

**PLEASE NOTE ALL SAMPLES WILL BE DISPOSED OF 30 DAYS AFTER RECEIVING DATE. IF AETL IS INFORMED OTHERWISE, THERE WILL BE A STORAGE CHARGE PER SAMPLE PER MONTH FOR ANY SAMPLE HELD BEYOND 30 DAYS.**

**Explain all "No" answers for above questions:**

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## Corey Jones

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**From:** Jonathan Barkman <Jonathan.Barkman@nv5.com>  
**Sent:** Wednesday, August 5, 2020 3:14 PM  
**To:** Corey Jones  
**Subject:** Malibu Air Samples - COC

Hi Corey – I just discovered an error on the stated flow volume for the 3 PUF samples collected on 8/4/202 (as listed on the COC).

The volumes should be as follows:

F080320-1	7,125.0 L
F080320-2	7,153.5 L
F080320-3	7,147.1 L
F080320-B	blank sample, no flow volume

Regards,

**Jonathan Barkman** | Project Manager | **NV5**  
3777 Long Beach Boulevard, Annex Building | Long Beach, CA 90807 |  
O: 562.495.5777 | D: 562.489.9730 | C: 310.920.8404  
[www.NV5.com](http://www.NV5.com) | [www.altaenviron.com](http://www.altaenviron.com) | [Electronic Communications Disclaimer](#)

Alta Environmental is now NV5



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NV5 3777 Long Beach Boulevard, Annex Building Long Beach, CA 90807	AETL Job Number: BBH0026 Project Number: SMSD-20-9426 Project Manager: Jonathan Barkman Project Name: Malibu High School	Site: Malibu High School 30215 Morning View Dr. Malibu, CA 90265 Reported: 08/05/2020 16:50
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### Case Narrative

The following "Sample Received" Section summarizes the samples received and associated analyses requested as specified on the enclosed chain of custody.

Unless otherwise noted, all results of soil and solid samples are based on wet weight.

No analytical non-conformances were encountered.



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NV5 3777 Long Beach Boulevard, Annex Building Long Beach, CA 90807	AETL Job Number: BBH0026 Project Number: SMSD-20-9426 Project Manager: Jonathan Barkman Project Name: Malibu High School	Site: Malibu High School 30215 Morning View Dr. Malibu, CA 90265 Reported: 08/05/2020 16:50
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## Samples Received

**AETL received the following samples on 08/04/2020 with the following specifications**

Project Name: Malibu High School  
 Site: 30215 Morning View Dr.  
 Malibu, CA 90265

Lab ID	Client ID	Sample Date	Matrix	Quantity of Containers
BBH0026-01	F080320-1	08/3/20 14:07	Air	1
<b>Analysis</b>			<b>Units</b>	<b>TAT</b>
EPA TO-10A			ng/m <sup>3</sup>	1
BBH0026-02	F080320-2	08/3/20 14:22	Air	1
<b>Analysis</b>			<b>Units</b>	<b>TAT</b>
EPA TO-10A			ng/m <sup>3</sup>	1
BBH0026-03	F080320-3	08/3/20 14:15	Air	1
<b>Analysis</b>			<b>Units</b>	<b>TAT</b>
EPA TO-10A			ng/m <sup>3</sup>	1
BBH0026-04	F080320-B	08/3/20 0:00	Air	1
<b>Analysis</b>			<b>Units</b>	<b>TAT</b>
EPA TO-10A			ng/m <sup>3</sup>	1

**Total Number of Samples received: 4**



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NV5 3777 Long Beach Boulevard, Annex Building Long Beach, CA 90807	AETL Job Number: BBH0026 Project Number: SMSD-20-9426 Project Manager: Jonathan Barkman Project Name: Malibu High School	Site: Malibu High School 30215 Morning View Dr. Malibu, CA 90265 Reported: 08/05/2020 16:50
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## Positive Hits Summary

Lab ID	Client ID			Received: 08/04/2020 16:05	
Method	Analyte	Result	Qualifier	Unit	Analyzed
BBH0026-01	F080320-1				
EPA TO-10A	Aroclor-1254 (PCB-1254)	16.3		ng/m <sup>3</sup>	08/05/2020 12:12
Lab ID	Client ID			Received: 08/04/2020 16:05	
Method	Analyte	Result	Qualifier	Unit	Analyzed
BBH0026-02	F080320-2				
EPA TO-10A	Aroclor-1254 (PCB-1254)	22.2		ng/m <sup>3</sup>	08/05/2020 12:32
Lab ID	Client ID			Received: 08/04/2020 16:05	
Method	Analyte	Result	Qualifier	Unit	Analyzed
BBH0026-03	F080320-3				
EPA TO-10A	Aroclor-1254 (PCB-1254)	3.09		ng/m <sup>3</sup>	08/05/2020 12:52



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NV5	AETL Job Number: BBH0026	Site: Malibu High School
3777 Long Beach Boulevard, Annex Building	Project Number: SMSD-20-9426	30215 Morning View Dr.
Long Beach, CA 90807	Project Manager: Jonathan Barkman	Malibu, CA 90265
	Project Name: Malibu High School	Reported: 08/05/2020 16:50

## Analytical Results

Client ID: F080320-1

Lab ID: BBH0026-01 (Air)

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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### Semivolatile Organic Compounds

Method: EPA TO-10A

Aroclor-1016 (PCB-1016)	ND		1	0.0500	0.100	ng/m <sup>3</sup>	08/04/20 18:30	08/05/20 12:12	B0H0091	ATS	3540C
Aroclor-1221 (PCB-1221)	ND		1	0.0500	0.100	ng/m <sup>3</sup>	08/04/20 18:30	08/05/20 12:12	B0H0091	ATS	3540C
Aroclor-1232 (PCB-1232)	ND		1	0.0500	0.100	ng/m <sup>3</sup>	08/04/20 18:30	08/05/20 12:12	B0H0091	ATS	3540C
Aroclor-1242 (PCB-1242)	ND		1	0.0500	0.100	ng/m <sup>3</sup>	08/04/20 18:30	08/05/20 12:12	B0H0091	ATS	3540C
Aroclor-1248 (PCB-1248)	ND		1	0.0500	0.100	ng/m <sup>3</sup>	08/04/20 18:30	08/05/20 12:12	B0H0091	ATS	3540C
<b>Aroclor-1254 (PCB-1254)</b>	<b>16.3</b>		1	0.0500	0.100	ng/m <sup>3</sup>	08/04/20 18:30	08/05/20 12:12	B0H0091	ATS	3540C
Aroclor-1260 (PCB-1260)	ND		1	0.0500	0.100	ng/m <sup>3</sup>	08/04/20 18:30	08/05/20 12:12	B0H0091	ATS	3540C
Aroclor-1262 (PCB-1262)	ND		1	0.0500	0.100	ng/m <sup>3</sup>	08/04/20 18:30	08/05/20 12:12	B0H0091	ATS	3540C
Aroclor-1268 (PCB-1268)	ND		1	0.0500	0.100	ng/m <sup>3</sup>	08/04/20 18:30	08/05/20 12:12	B0H0091	ATS	3540C

#### Recovery

Surrogate: Decachlorobiphenyl  
Surrogate: Tetrachloro-m-xylene

71.8%  
82.1%

#### Acceptance Criteria

30-150  
30-150

08/04/20 18:30  
08/04/20 18:30

08/05/20 12:12  
08/05/20 12:12

B0H0091  
B0H0091

ATS  
ATS

3540C  
3540C





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NV5	AETL Job Number: BBH0026	Site: Malibu High School
3777 Long Beach Boulevard, Annex Building	Project Number: SMSD-20-9426	30215 Morning View Dr.
Long Beach, CA 90807	Project Manager: Jonathan Barkman	Malibu, CA 90265
	Project Name: Malibu High School	Reported: 08/05/2020 16:50

## Analytical Results

Client ID: F080320-2

Lab ID: BBH0026-02 (Air)

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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### Semivolatile Organic Compounds

Method: EPA TO-10A

Aroclor-1016 (PCB-1016)	ND		1	0.0500	0.100	ng/m <sup>3</sup>	08/04/20 18:30	08/05/20 12:32	B0H0091	ATS	3540C
Aroclor-1221 (PCB-1221)	ND		1	0.0500	0.100	ng/m <sup>3</sup>	08/04/20 18:30	08/05/20 12:32	B0H0091	ATS	3540C
Aroclor-1232 (PCB-1232)	ND		1	0.0500	0.100	ng/m <sup>3</sup>	08/04/20 18:30	08/05/20 12:32	B0H0091	ATS	3540C
Aroclor-1242 (PCB-1242)	ND		1	0.0500	0.100	ng/m <sup>3</sup>	08/04/20 18:30	08/05/20 12:32	B0H0091	ATS	3540C
Aroclor-1248 (PCB-1248)	ND		1	0.0500	0.100	ng/m <sup>3</sup>	08/04/20 18:30	08/05/20 12:32	B0H0091	ATS	3540C
<b>Aroclor-1254 (PCB-1254)</b>	<b>22.2</b>		1	0.0500	0.100	ng/m <sup>3</sup>	08/04/20 18:30	08/05/20 12:32	B0H0091	ATS	3540C
Aroclor-1260 (PCB-1260)	ND		1	0.0500	0.100	ng/m <sup>3</sup>	08/04/20 18:30	08/05/20 12:32	B0H0091	ATS	3540C
Aroclor-1262 (PCB-1262)	ND		1	0.0500	0.100	ng/m <sup>3</sup>	08/04/20 18:30	08/05/20 12:32	B0H0091	ATS	3540C
Aroclor-1268 (PCB-1268)	ND		1	0.0500	0.100	ng/m <sup>3</sup>	08/04/20 18:30	08/05/20 12:32	B0H0091	ATS	3540C
			Recovery		Acceptance Criteria						
Surrogate: Decachlorobiphenyl	84.2%			30-150	08/04/20 18:30	08/05/20 12:32	B0H0091	ATS	3540C		
Surrogate: Tetrachloro-m-xylene	78.6%			30-150	08/04/20 18:30	08/05/20 12:32	B0H0091	ATS	3540C		



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NV5	AETL Job Number: BBH0026	Site: Malibu High School
3777 Long Beach Boulevard, Annex Building	Project Number: SMSD-20-9426	30215 Morning View Dr.
Long Beach, CA 90807	Project Manager: Jonathan Barkman	Malibu, CA 90265
	Project Name: Malibu High School	Reported: 08/05/2020 16:50

## Analytical Results

Client ID: F080320-3

Lab ID: BBH0026-03 (Air)

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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### Semivolatile Organic Compounds

Method: EPA TO-10A

Aroclor-1016 (PCB-1016)	ND		1	0.0500	0.100	ng/m <sup>3</sup>	08/04/20 18:30	08/05/20 12:52	B0H0091	ATS	3540C
Aroclor-1221 (PCB-1221)	ND		1	0.0500	0.100	ng/m <sup>3</sup>	08/04/20 18:30	08/05/20 12:52	B0H0091	ATS	3540C
Aroclor-1232 (PCB-1232)	ND		1	0.0500	0.100	ng/m <sup>3</sup>	08/04/20 18:30	08/05/20 12:52	B0H0091	ATS	3540C
Aroclor-1242 (PCB-1242)	ND		1	0.0500	0.100	ng/m <sup>3</sup>	08/04/20 18:30	08/05/20 12:52	B0H0091	ATS	3540C
Aroclor-1248 (PCB-1248)	ND		1	0.0500	0.100	ng/m <sup>3</sup>	08/04/20 18:30	08/05/20 12:52	B0H0091	ATS	3540C
<b>Aroclor-1254 (PCB-1254)</b>	<b>3.09</b>		1	0.0500	0.100	ng/m <sup>3</sup>	08/04/20 18:30	08/05/20 12:52	B0H0091	ATS	3540C
Aroclor-1260 (PCB-1260)	ND		1	0.0500	0.100	ng/m <sup>3</sup>	08/04/20 18:30	08/05/20 12:52	B0H0091	ATS	3540C
Aroclor-1262 (PCB-1262)	ND		1	0.0500	0.100	ng/m <sup>3</sup>	08/04/20 18:30	08/05/20 12:52	B0H0091	ATS	3540C
Aroclor-1268 (PCB-1268)	ND		1	0.0500	0.100	ng/m <sup>3</sup>	08/04/20 18:30	08/05/20 12:52	B0H0091	ATS	3540C
Recovery			Acceptance Criteria								
Surrogate: Decachlorobiphenyl	97.9%						08/04/20 18:30	08/05/20 12:52	B0H0091	ATS	3540C
Surrogate: Tetrachloro-m-xylene	81.9%						08/04/20 18:30	08/05/20 12:52	B0H0091	ATS	3540C



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NV5	AETL Job Number: BBH0026	Site: Malibu High School
3777 Long Beach Boulevard, Annex Building	Project Number: SMSD-20-9426	30215 Morning View Dr.
Long Beach, CA 90807	Project Manager: Jonathan Barkman	Malibu, CA 90265
	Project Name: Malibu High School	Reported: 08/05/2020 16:50

## Analytical Results

Client ID: F080320-B

Lab ID: BBH0026-04 (Air)

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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### Semivolatile Organic Compounds

Method: EPA TO-10A

Aroclor-1016 (PCB-1016)	ND		1	0.0500	0.100	ng/m <sup>3</sup>	08/04/20 18:30	08/05/20 13:12	B0H0091	ATS	3540C
Aroclor-1221 (PCB-1221)	ND		1	0.0500	0.100	ng/m <sup>3</sup>	08/04/20 18:30	08/05/20 13:12	B0H0091	ATS	3540C
Aroclor-1232 (PCB-1232)	ND		1	0.0500	0.100	ng/m <sup>3</sup>	08/04/20 18:30	08/05/20 13:12	B0H0091	ATS	3540C
Aroclor-1242 (PCB-1242)	ND		1	0.0500	0.100	ng/m <sup>3</sup>	08/04/20 18:30	08/05/20 13:12	B0H0091	ATS	3540C
Aroclor-1248 (PCB-1248)	ND		1	0.0500	0.100	ng/m <sup>3</sup>	08/04/20 18:30	08/05/20 13:12	B0H0091	ATS	3540C
Aroclor-1254 (PCB-1254)	ND		1	0.0500	0.100	ng/m <sup>3</sup>	08/04/20 18:30	08/05/20 13:12	B0H0091	ATS	3540C
Aroclor-1260 (PCB-1260)	ND		1	0.0500	0.100	ng/m <sup>3</sup>	08/04/20 18:30	08/05/20 13:12	B0H0091	ATS	3540C
Aroclor-1262 (PCB-1262)	ND		1	0.0500	0.100	ng/m <sup>3</sup>	08/04/20 18:30	08/05/20 13:12	B0H0091	ATS	3540C
Aroclor-1268 (PCB-1268)	ND		1	0.0500	0.100	ng/m <sup>3</sup>	08/04/20 18:30	08/05/20 13:12	B0H0091	ATS	3540C

#### Recovery Acceptance Criteria

Surrogate: Decachlorobiphenyl	68.9%	30-150	08/04/20 18:30	08/05/20 13:12	B0H0091	ATS	3540C
Surrogate: Tetrachloro-m-xylene	81.3%	30-150	08/04/20 18:30	08/05/20 13:12	B0H0091	ATS	3540C



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NV5	AETL Job Number: BBH0026	Site: Malibu High School
3777 Long Beach Boulevard, Annex Building	Project Number: SMSD-20-9426	30215 Morning View Dr.
Long Beach, CA 90807	Project Manager: Jonathan Barkman	Malibu, CA 90265
	Project Name: Malibu High School	Reported: 08/05/2020 16:50

## Quality Control Results

### Semivolatile Organic Compounds (EPA TO-10A)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
<b>Batch: B0H0091 - 3540C</b>					<b>Prepared: 08/04/2020 18:30</b>						
Method Blank (B0H0091-BLK1)					<b>Analyzed: 08/05/2020 11:52</b>						
Aroclor-1016 (PCB-1016)	ND	0.0500	0.100	ng/m <sup>3</sup>							
Aroclor-1221 (PCB-1221)	ND	0.0500	0.100	ng/m <sup>3</sup>							
Aroclor-1232 (PCB-1232)	ND	0.0500	0.100	ng/m <sup>3</sup>							
Aroclor-1242 (PCB-1242)	ND	0.0500	0.100	ng/m <sup>3</sup>							
Aroclor-1248 (PCB-1248)	ND	0.0500	0.100	ng/m <sup>3</sup>							
Aroclor-1254 (PCB-1254)	ND	0.0500	0.100	ng/m <sup>3</sup>							
Aroclor-1260 (PCB-1260)	ND	0.0500	0.100	ng/m <sup>3</sup>							
Aroclor-1262 (PCB-1262)	ND	0.0500	0.100	ng/m <sup>3</sup>							
Aroclor-1268 (PCB-1268)	ND	0.0500	0.100	ng/m <sup>3</sup>							
<hr/>											
Surrogate: Decachlorobiphenyl	0.0234			ng/m <sup>3</sup>	0.0500000		46.9	30-150			
Surrogate: Tetrachloro-m-xylene	0.0373			ng/m <sup>3</sup>	0.0500000		74.5	30-150			



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NV5	AETL Job Number: BBH0026	Site: Malibu High School
3777 Long Beach Boulevard, Annex Building	Project Number: SMSD-20-9426	30215 Morning View Dr.
Long Beach, CA 90807	Project Manager: Jonathan Barkman	Malibu, CA 90265
	Project Name: Malibu High School	Reported: 08/05/2020 16:50

## Quality Control Results

### Semivolatile Organic Compounds (EPA TO-10A)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
<b>Batch: B0H0091 - 3540C (Continued)</b>					<b>Prepared: 08/04/2020 18:30</b>						
LCS (B0H0091-BS1)					<b>Analyzed: 08/05/2020 11:13</b>						
Aroclor-1016 (PCB-1016)	1.04	0.0500	0.100	ng/m <sup>3</sup>	1.00000		104	40-140			
Aroclor-1260 (PCB-1260)	1.32	0.0500	0.100	ng/m <sup>3</sup>	1.00000		132	40-140			
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.0375</i>			<i>ng/m<sup>3</sup></i>	<i>0.0500000</i>		<i>74.9</i>	<i>30-150</i>			
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.0278</i>			<i>ng/m<sup>3</sup></i>	<i>0.0500000</i>		<i>55.6</i>	<i>30-150</i>			
LCSD (B0H0091-BSD1)					<b>Analyzed: 08/05/2020 11:32</b>						
Aroclor-1016 (PCB-1016)	1.11	0.0500	0.100	ng/m <sup>3</sup>	1.00000		111	40-140	6.74	40	
Aroclor-1260 (PCB-1260)	1.25	0.0500	0.100	ng/m <sup>3</sup>	1.00000		125	40-140	4.95	40	
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.0306</i>			<i>ng/m<sup>3</sup></i>	<i>0.0500000</i>		<i>61.2</i>	<i>30-150</i>			
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.0380</i>			<i>ng/m<sup>3</sup></i>	<i>0.0500000</i>		<i>76.0</i>	<i>30-150</i>			



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NV5	AETL Job Number: BBH0026	Site: Malibu High School
3777 Long Beach Boulevard, Annex Building	Project Number: SMSD-20-9426	30215 Morning View Dr.
Long Beach, CA 90807	Project Manager: Jonathan Barkman	Malibu, CA 90265
	Project Name: Malibu High School	Reported: 08/05/2020 16:50

## Qualifiers and Definitions

Item	Definitions
%REC	Percent Recovery
°C	Degrees Celsius
AETL	American Environmental Testing Laboratory, LLC
CARB	California Air Resources Board
COC	Chain of Custody
Dup	Duplicate
ELAP	Environmental Laboratory Accreditation Program
EPA	Environmental Protection Agency
HC	Hydrocarbon
LACSD	Los Angeles County Sanitation Districts
LCS	Laboratory Control Sample - A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes.
LCSD	Laboratory Control Sample Duplicate - A replicate of Laboratory Control Sample.
LOQ	Limit of Quantitation
MDL	Method Detection Limit - The minimum measured concentration of a substance that can be reported with 99% confidence. MDL is statistically derived number which is specific for each instrument, each method and each compound.
mg/kg	Miligrams per Kilogram
mg/L	Miligrams per Liter
MS	Matrix Spike - A sample prepared, taken through all sample preparation and analytical steps of the procedure and analyzed as an independent test results.
MSD	Matrix Spike Duplicate - A replicate of Matrix Spike Sample.
N	No
ND	Analyte is not detected below Method Detection Limit.
ng/m3	Nanograms per cubic meter
NIOSH	National Institute for Occupational Safety and Health
nL/L	Nanoliters per Liter
NTU	Nephelometric Turbidity Units
OSHA	Occupational Safety and Health Administration
RL	Reporting Limit - The lowest concentration at which an analyte can be detected in a sample and its concentration can be reported with a specified degree of confidence, accuracy and precision. For usage at AETL, RL is equivalent to LOQ.
RPD	Relative Percent Difference
SIM	Selective Ion Monitoring
TPH	Total Petroleum Hydrocarbons
ug/kg	Micrograms per Kilogram
ug/L	Micrograms per Liter
ug/m3	Micrograms per cubic meter
Y	Yes



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NV5	AETL Job Number: BBH0026	Site: Malibu High School
3777 Long Beach Boulevard, Annex Building	Project Number: SMSD-20-9426	30215 Morning View Dr.
Long Beach, CA 90807	Project Manager: Jonathan Barkman	Malibu, CA 90265
	Project Name: Malibu High School	Reported: 08/05/2020 16:50

## Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
			Default Report (not modified)
			VERSION 6.20:2008
			J-Flags used
			Result calculations based on MDL
			Special Units: ng/m <sup>3</sup> (ug/Sample)
	TO-10A_PCB	(Air)	
	TO-10A_PCB	(Air)	
	TO-10A_PCB	(Air)	



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August 06, 2020

AETL Job No: BBH0041  
Project Number: SMSD-20-9426  
Received Date: 08/05/2020

Jonathan Barkman  
NV5  
3777 Long Beach Boulevard, Annex Building  
Long Beach, CA 90807

Project Name: Malibu High School

Site: Malibu High School  
30215 Morning View Dr.  
Malibu, CA 90265

Enclosed please find the results of analyses for samples which were analyzed as specified on the attached chain of custody. If you have any questions concerning this report, please do not hesitate to call.

Checked By:

Harriet Torosyan  
Project Manager

Approved By:

Corey Jones  
Project Manager



# Table of Contents

Client Project Name: Malibu High School (SMSD-20-9426)  
Work Order Number: BBH0041

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NV5	AETL Job Number: BBH0041	Site: Malibu High School
3777 Long Beach Boulevard, Annex Building	Project Number: SMSD-20-9426	30215 Morning View Dr.
Long Beach, CA 90807	Project Manager: Jonathan Barkman	Malibu, CA 90265
	Project Name: Malibu High School	Reported: 08/06/2020 17:20

## Sample Condition on Receipt

Cooler ID: Default Cooler

Temperature: 3.2 °C

Are the COCs Correct	Y		
Labels Legible	Y	Containers In Good Condition	Y
COC/Labels Agree	Y	Samples Preserved Properly	Y
Sufficient Sample Volume	Y	Sufficient Holding Time for all Tests	Y
Sample Labels intact	Y	Received on Ice	Y



**AMERICAN ENVIRONMENTAL TESTING LABORATORY**  
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**CHAIN OF CUSTODY RECORD**

117972

AETL JOB No. BBH0041 Page 1 of 1

COMPANY NIS (Alta Env) PROJECT MANAGER Sari Parkhram  
 COMPANY ADDRESS 3777 Long Beach Blvd. (Ames) Beach PHONE 310 920-8404  
 PROJECT NAME MWHHS PROJECT # SMJD-20-9592  
 SITE NAME 30215 Morning View Dr. PO #  
 ADDRESS Malibu Ca

SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	ANALYSIS REQUESTED				TEST INSTRUCTIONS & COMMENTS
1	BBH0041.01	8-5-20	1530	WIPE	1	ICE	X	X	X	X	clearance
2	BBH0041.02		1535	I	I	I	X	X	X	X	I
3	BBH0041.03		1540	I	I	I	X	X	X	X	BlowR
4	BBH0041.04		1545	I	I	I					
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											

TOTAL NUMBER OF CONTAINERS: 4

**BILLING INFORMATION / SPECIAL INSTRUCTIONS**

RELINQUISHED BY SAMPLER: MRD RELINQUISHED BY: 2. RELINQUISHED BY: 3.  
 Signature: \_\_\_\_\_ Signature: \_\_\_\_\_ Signature: \_\_\_\_\_  
 Printed Name: \_\_\_\_\_ Printed Name: \_\_\_\_\_ Printed Name: \_\_\_\_\_  
 Date: 8-5-20 Time: 1720 Date: \_\_\_\_\_ Time: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 RECEIVED BY: 1. RECEIVED BY: 2. RECEIVED BY: 3.  
 Signature: \_\_\_\_\_ Signature: \_\_\_\_\_ Signature: \_\_\_\_\_  
 Printed Name: \_\_\_\_\_ Printed Name: \_\_\_\_\_ Printed Name: \_\_\_\_\_  
 Date: \_\_\_\_\_ Time: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

**TURN AROUND TIME**

NORMAL  SAME DAY RUSH  NEXT DAY RUSH

2 DAYS RUSH  3 DAYS RUSH  4 DAYS RUSH

**DATA DELIVERABLE REQUIRED**

HARD COPY  E-COPY

GEOTRACKER (GLOBAL ID) \_\_\_\_\_

OTHER (PLEASE SPECIFY) \_\_\_\_\_

TRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator



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## COOLER RECEIPT FORM

Client Name: <u>NVS</u>			
Project Name:			
AETL Job Number: <u>BBH0041</u>			
Date Received: <u>8/5/2020</u>		Received by: <u>Sergio's Pireh</u>	
Carrier: <input type="checkbox"/> AETL Courier <input checked="" type="checkbox"/> Client <input type="checkbox"/> GSO <input type="checkbox"/> FedEx <input type="checkbox"/> UPS			
<input type="checkbox"/> Others:			
Samples were received in: <input checked="" type="checkbox"/> Cooler ( <input type="checkbox"/> ) <input type="checkbox"/> Other (Specify):			
Inside temperature of shipping container No 1: <u>32</u> , No 2: , No 3:			
Type of sample containers: <input type="checkbox"/> VOA, <input type="checkbox"/> Glass bottles, <input checked="" type="checkbox"/> Wide mouth jars, <input type="checkbox"/> HDPE bottles, <input type="checkbox"/> Metal sleeves, <input type="checkbox"/> Others (Specify):			
How are samples preserved: <input type="checkbox"/> None, <input checked="" type="checkbox"/> Ice, <input type="checkbox"/> Blue Ice, <input type="checkbox"/> Dry Ice			
<input type="checkbox"/> None, <input type="checkbox"/> HNO <sub>3</sub> , <input type="checkbox"/> NaOH, <input type="checkbox"/> ZnOAc, <input type="checkbox"/> HCl, <input type="checkbox"/> Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> , <input type="checkbox"/> MeOH			
<input checked="" type="checkbox"/> Other (Specify): <u>WIPS</u>			
	Yes	No, explain below	Name, if client was notified.
1. Are the COCs Correct?	✓		
2. Are the Sample labels legible?	✓		
3. Do samples match the COC?	✓		
4. Are the required analyses clear?	✓		
5. Is there enough samples for required analysis?	✓		
6. Are samples sealed with evidence tape?	N/A		
7. Are sample containers in good condition?	✓		
8. Are samples preserved?	✓		
9. Are samples preserved properly for the intended analysis?	✓		
10. Are the VOAs free of headspace?	N/A		
11. Are the jars free of headspace?	✓		

**PLEASE NOTE ALL SAMPLES WILL BE DISPOSED OF 30 DAYS AFTER RECEIVING DATE. IF AETL IS INFORMED OTHERWISE, THERE WILL BE A STORAGE CHARGE PER SAMPLE PER MONTH FOR ANY SAMPLE HELD BEYOND 30 DAYS.**

Explain all "No" answers for above questions:

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NV5	AETL Job Number: BBH0041	Site: Malibu High School
3777 Long Beach Boulevard, Annex Building	Project Number: SMSD-20-9426	30215 Morning View Dr.
Long Beach, CA 90807	Project Manager: Jonathan Barkman	Malibu, CA 90265
	Project Name: Malibu High School	Reported: 08/06/2020 17:20

## Samples Received

**AETL received the following samples on 08/05/2020 with the following specifications**

Project Name: Malibu High School  
 Site: 30215 Morning View Dr.  
 Malibu, CA 90265

Lab ID	Client ID	Sample Date	Matrix	Quantity of Containers
BBH0041-01	W-080520-1	08/5/20 15:30	Wipe	1
<b>Analysis</b>			<b>Units</b>	<b>TAT</b>
EPA 8082			ug/100cm2	5
Lab ID	Client ID	Sample Date	Matrix	Quantity of Containers
BBH0041-02	W-080520-2	08/5/20 15:35	Wipe	1
<b>Analysis</b>			<b>Units</b>	<b>TAT</b>
EPA 8082			ug/100cm2	5
Lab ID	Client ID	Sample Date	Matrix	Quantity of Containers
BBH0041-03	W-080520-3	08/5/20 15:40	Wipe	1
<b>Analysis</b>			<b>Units</b>	<b>TAT</b>
EPA 8082			ug/100cm2	5
Lab ID	Client ID	Sample Date	Matrix	Quantity of Containers
BBH0041-04	W-080520-4	08/5/20 15:45	Wipe	1
<b>Analysis</b>			<b>Units</b>	<b>TAT</b>
EPA 8082			ug/100cm2	5

**Total Number of Samples received: 4**



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NV5 3777 Long Beach Boulevard, Annex Building Long Beach, CA 90807	AETL Job Number: BBH0041 Project Number: SMSD-20-9426 Project Manager: Jonathan Barkman Project Name: Malibu High School	Site: Malibu High School 30215 Morning View Dr. Malibu, CA 90265 Reported: 08/06/2020 17:20
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## Positive Hits Summary

Lab ID	Client ID				
<b>BBH0041-01</b>	W-080520-1	Received: 08/05/2020 17:20			
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1254 (PCB-1254)	0.154		ug/100cm2	08/06/2020 15:17
<b>BBH0041-02</b>	W-080520-2	Received: 08/05/2020 17:20			
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1254 (PCB-1254)	0.150		ug/100cm2	08/06/2020 15:37
<b>BBH0041-03</b>	W-080520-3	Received: 08/05/2020 17:20			
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1254 (PCB-1254)	0.0831		ug/100cm2	08/06/2020 15:57
<b>BBH0041-04</b>	W-080520-4	Received: 08/05/2020 17:20			
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	Aroclor-1254 (PCB-1254)	0.0998		ug/100cm2	08/06/2020 16:16



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NV5 3777 Long Beach Boulevard, Annex Building Long Beach, CA 90807	AETL Job Number: BBH0041 Project Number: SMSD-20-9426 Project Manager: Jonathan Barkman Project Name: Malibu High School	Site: Malibu High School 30215 Morning View Dr. Malibu, CA 90265 Reported: 08/06/2020 17:20
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## Analytical Results

**Client ID: W-080520-1**

**Lab ID: BBH0041-01 (Wipe)**

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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**PCBs**

**Method: EPA 8082**

Aroclor-1016 (PCB-1016)	ND		1	0.0200	0.0500	ug/100cm 2	08/06/20 10:01	08/06/20 15:17	B0H0113	AT	3540C	
Aroclor-1221 (PCB-1221)	ND		1	0.0200	0.0500	ug/100cm 2	08/06/20 10:01	08/06/20 15:17	B0H0113	AT	3540C	
Aroclor-1232 (PCB-1232)	ND		1	0.0200	0.0500	ug/100cm 2	08/06/20 10:01	08/06/20 15:17	B0H0113	AT	3540C	
Aroclor-1242 (PCB-1242)	ND		1	0.0200	0.0500	ug/100cm 2	08/06/20 10:01	08/06/20 15:17	B0H0113	AT	3540C	
Aroclor-1248 (PCB-1248)	ND		1	0.0200	0.0500	ug/100cm 2	08/06/20 10:01	08/06/20 15:17	B0H0113	AT	3540C	
<b>Aroclor-1254 (PCB-1254)</b>	<b>0.154</b>		1	0.0200	0.0500	ug/100cm 2	08/06/20 10:01	08/06/20 15:17	B0H0113	AT	3540C	
Aroclor-1260 (PCB-1260)	ND		1	0.0200	0.0500	ug/100cm 2	08/06/20 10:01	08/06/20 15:17	B0H0113	AT	3540C	
Aroclor-1262 (PCB-1262)	ND		1	0.0200	0.0500	ug/100cm 2	08/06/20 10:01	08/06/20 15:17	B0H0113	AT	3540C	
Aroclor-1268 (PCB-1268)	ND		1	0.0200	0.0500	ug/100cm 2	08/06/20 10:01	08/06/20 15:17	B0H0113	AT	3540C	
-----												
	Recovery			Acceptance Criteria								
<i>Surrogate: Decachlorobiphenyl</i>	<i>96.8%</i>						<i>30-150</i>	08/06/20 10:01	<i>08/06/20 15:17</i>	B0H0113	AT	3540C
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>118%</i>						<i>30-150</i>	08/06/20 10:01	<i>08/06/20 15:17</i>	B0H0113	AT	3540C



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NV5 3777 Long Beach Boulevard, Annex Building Long Beach, CA 90807	AETL Job Number: BBH0041 Project Number: SMSD-20-9426 Project Manager: Jonathan Barkman Project Name: Malibu High School	Site: Malibu High School 30215 Morning View Dr. Malibu, CA 90265 Reported: 08/06/2020 17:20
--	---	--

## Analytical Results

Client ID: W-080520-2

Lab ID: BBH0041-02 (Wipe)

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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### PCBs

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	0.0200	0.0500	ug/100cm 2	08/06/20 10:01	08/06/20 15:37	B0H0113	AT	3540C
Aroclor-1221 (PCB-1221)	ND		1	0.0200	0.0500	ug/100cm 2	08/06/20 10:01	08/06/20 15:37	B0H0113	AT	3540C
Aroclor-1232 (PCB-1232)	ND		1	0.0200	0.0500	ug/100cm 2	08/06/20 10:01	08/06/20 15:37	B0H0113	AT	3540C
Aroclor-1242 (PCB-1242)	ND		1	0.0200	0.0500	ug/100cm 2	08/06/20 10:01	08/06/20 15:37	B0H0113	AT	3540C
Aroclor-1248 (PCB-1248)	ND		1	0.0200	0.0500	ug/100cm 2	08/06/20 10:01	08/06/20 15:37	B0H0113	AT	3540C
<b>Aroclor-1254 (PCB-1254)</b>	<b>0.150</b>		1	0.0200	0.0500	ug/100cm 2	08/06/20 10:01	08/06/20 15:37	B0H0113	AT	3540C
Aroclor-1260 (PCB-1260)	ND		1	0.0200	0.0500	ug/100cm 2	08/06/20 10:01	08/06/20 15:37	B0H0113	AT	3540C
Aroclor-1262 (PCB-1262)	ND		1	0.0200	0.0500	ug/100cm 2	08/06/20 10:01	08/06/20 15:37	B0H0113	AT	3540C
Aroclor-1268 (PCB-1268)	ND		1	0.0200	0.0500	ug/100cm 2	08/06/20 10:01	08/06/20 15:37	B0H0113	AT	3540C
			Recovery		Acceptance Criteria						
Surrogate: Decachlorobiphenyl	81.1%			30-150			08/06/20 10:01	08/06/20 15:37	B0H0113	AT	3540C
Surrogate: Tetrachloro-m-xylene	94.5%			30-150			08/06/20 10:01	08/06/20 15:37	B0H0113	AT	3540C





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NV5 3777 Long Beach Boulevard, Annex Building Long Beach, CA 90807	AETL Job Number: BBH0041 Project Number: SMSD-20-9426 Project Manager: Jonathan Barkman Project Name: Malibu High School	Site: Malibu High School 30215 Morning View Dr. Malibu, CA 90265 Reported: 08/06/2020 17:20
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## Analytical Results

Client ID: W-080520-3

Lab ID: BBH0041-03 (Wipe)

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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### PCBs

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	0.0200	0.0500	ug/100cm 2	08/06/20 10:01	08/06/20 15:57	B0H0113	AT	3540C
Aroclor-1221 (PCB-1221)	ND		1	0.0200	0.0500	ug/100cm 2	08/06/20 10:01	08/06/20 15:57	B0H0113	AT	3540C
Aroclor-1232 (PCB-1232)	ND		1	0.0200	0.0500	ug/100cm 2	08/06/20 10:01	08/06/20 15:57	B0H0113	AT	3540C
Aroclor-1242 (PCB-1242)	ND		1	0.0200	0.0500	ug/100cm 2	08/06/20 10:01	08/06/20 15:57	B0H0113	AT	3540C
Aroclor-1248 (PCB-1248)	ND		1	0.0200	0.0500	ug/100cm 2	08/06/20 10:01	08/06/20 15:57	B0H0113	AT	3540C
<b>Aroclor-1254 (PCB-1254)</b>	<b>0.0831</b>		1	0.0200	0.0500	ug/100cm 2	08/06/20 10:01	08/06/20 15:57	B0H0113	AT	3540C
Aroclor-1260 (PCB-1260)	ND		1	0.0200	0.0500	ug/100cm 2	08/06/20 10:01	08/06/20 15:57	B0H0113	AT	3540C
Aroclor-1262 (PCB-1262)	ND		1	0.0200	0.0500	ug/100cm 2	08/06/20 10:01	08/06/20 15:57	B0H0113	AT	3540C
Aroclor-1268 (PCB-1268)	ND		1	0.0200	0.0500	ug/100cm 2	08/06/20 10:01	08/06/20 15:57	B0H0113	AT	3540C
			Recovery		Acceptance Criteria						
Surrogate: Decachlorobiphenyl	87.3%			30-150			08/06/20 10:01	08/06/20 15:57	B0H0113	AT	3540C
Surrogate: Tetrachloro-m-xylene	79.3%			30-150			08/06/20 10:01	08/06/20 15:57	B0H0113	AT	3540C



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NV5 3777 Long Beach Boulevard, Annex Building Long Beach, CA 90807	AETL Job Number: BBH0041 Project Number: SMSD-20-9426 Project Manager: Jonathan Barkman Project Name: Malibu High School	Site: Malibu High School 30215 Morning View Dr. Malibu, CA 90265 Reported: 08/06/2020 17:20
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## Analytical Results

Client ID: W-080520-4

Lab ID: BBH0041-04 (Wipe)

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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### PCBs

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	0.0200	0.0500	ug/100cm 2	08/06/20 10:01	08/06/20 16:16	B0H0113	AT	3540C
Aroclor-1221 (PCB-1221)	ND		1	0.0200	0.0500	ug/100cm 2	08/06/20 10:01	08/06/20 16:16	B0H0113	AT	3540C
Aroclor-1232 (PCB-1232)	ND		1	0.0200	0.0500	ug/100cm 2	08/06/20 10:01	08/06/20 16:16	B0H0113	AT	3540C
Aroclor-1242 (PCB-1242)	ND		1	0.0200	0.0500	ug/100cm 2	08/06/20 10:01	08/06/20 16:16	B0H0113	AT	3540C
Aroclor-1248 (PCB-1248)	ND		1	0.0200	0.0500	ug/100cm 2	08/06/20 10:01	08/06/20 16:16	B0H0113	AT	3540C
<b>Aroclor-1254 (PCB-1254)</b>	<b>0.0998</b>		1	0.0200	0.0500	ug/100cm 2	08/06/20 10:01	08/06/20 16:16	B0H0113	AT	3540C
Aroclor-1260 (PCB-1260)	ND		1	0.0200	0.0500	ug/100cm 2	08/06/20 10:01	08/06/20 16:16	B0H0113	AT	3540C
Aroclor-1262 (PCB-1262)	ND		1	0.0200	0.0500	ug/100cm 2	08/06/20 10:01	08/06/20 16:16	B0H0113	AT	3540C
Aroclor-1268 (PCB-1268)	ND		1	0.0200	0.0500	ug/100cm 2	08/06/20 10:01	08/06/20 16:16	B0H0113	AT	3540C
			Recovery		Acceptance Criteria						
Surrogate: Decachlorobiphenyl	87.4%			30-150			08/06/20 10:01	08/06/20 16:16	B0H0113	AT	3540C
Surrogate: Tetrachloro-m-xylene	98.0%			30-150			08/06/20 10:01	08/06/20 16:16	B0H0113	AT	3540C



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NV5	AETL Job Number: BBH0041	Site: Malibu High School
3777 Long Beach Boulevard, Annex Building	Project Number: SMSD-20-9426	30215 Morning View Dr.
Long Beach, CA 90807	Project Manager: Jonathan Barkman	Malibu, CA 90265
	Project Name: Malibu High School	Reported: 08/06/2020 17:20

## Quality Control Results

### PCBs (EPA 8082)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
<b>Batch: B0H0113 - 3540C</b>											
Method Blank (B0H0113-BLK1)											
Prepared: 08/06/2020 10:01											
Analyzed: 08/06/2020 14:38											
Aroclor-1016 (PCB-1016)	ND	0.0200	0.0500	ug/100cm2							
Aroclor-1221 (PCB-1221)	ND	0.0200	0.0500	ug/100cm2							
Aroclor-1232 (PCB-1232)	ND	0.0200	0.0500	ug/100cm2							
Aroclor-1242 (PCB-1242)	ND	0.0200	0.0500	ug/100cm2							
Aroclor-1248 (PCB-1248)	ND	0.0200	0.0500	ug/100cm2							
Aroclor-1254 (PCB-1254)	ND	0.0200	0.0500	ug/100cm2							
Aroclor-1260 (PCB-1260)	ND	0.0200	0.0500	ug/100cm2							
Aroclor-1262 (PCB-1262)	ND	0.0200	0.0500	ug/100cm2							
Aroclor-1268 (PCB-1268)	ND	0.0200	0.0500	ug/100cm2							
Surrogate: Decachlorobiphenyl	0.0441			ug/100cm2	0.0500000		88.2	30-150			
Surrogate: Tetrachloro-m-xylene	0.0485			ug/100cm2	0.0500000		97.0	30-150			



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3777 Long Beach Boulevard, Annex Building	Project Number: SMSD-20-9426	30215 Morning View Dr.
Long Beach, CA 90807	Project Manager: Jonathan Barkman	Malibu, CA 90265
	Project Name: Malibu High School	Reported: 08/06/2020 17:20

## Quality Control Results

### PCBs (EPA 8082)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
<b>Batch: B0H0113 - 3540C (Continued)</b>					<b>Prepared: 08/06/2020 10:01</b>						
<b>LCS (B0H0113-BS1)</b>					<b>Analyzed: 08/06/2020 13:38</b>						
Aroclor-1016 (PCB-1016)	0.610	0.0200	0.0500	ug/100cm2	1.00000		61.0	50-150			
Aroclor-1260 (PCB-1260)	0.607	0.0200	0.0500	ug/100cm2	1.00000		60.7	50-150			
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Surrogate: Decachlorobiphenyl	0.0669			ug/100cm2	0.0500000		134	30-150			
Surrogate: Tetrachloro-m-xylene	0.0610			ug/100cm2	0.0500000		122	30-150			
<hr/>											
<b>LCSD (B0H0113-BSD1)</b>					<b>Analyzed: 08/06/2020 13:58</b>						
Aroclor-1016 (PCB-1016)	0.755	0.0200	0.0500	ug/100cm2	1.00000		75.5	50-150	21.2	40	
Aroclor-1260 (PCB-1260)	0.727	0.0200	0.0500	ug/100cm2	1.00000		72.7	50-150	18.0	40	
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Surrogate: Decachlorobiphenyl	0.0682			ug/100cm2	0.0500000		136	30-150			
Surrogate: Tetrachloro-m-xylene	0.0664			ug/100cm2	0.0500000		133	30-150			



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NV5	AETL Job Number: BBH0041	Site: Malibu High School
3777 Long Beach Boulevard, Annex Building	Project Number: SMSD-20-9426	30215 Morning View Dr.
Long Beach, CA 90807	Project Manager: Jonathan Barkman	Malibu, CA 90265
	Project Name: Malibu High School	Reported: 08/06/2020 17:20

## Qualifiers and Definitions

Item	Definitions
%REC	Percent Recovery
°C	Degrees Celsius
AETL	American Environmental Testing Laboratory, LLC
CARB	California Air Resources Board
COC	Chain of Custody
Dup	Duplicate
ELAP	Environmental Laboratory Accreditation Program
EPA	Environmental Protection Agency
HC	Hydrocarbon
LACSD	Los Angeles County Sanitation Districts
LCS	Laboratory Control Sample - A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes.
LCSD	Laboratory Control Sample Duplicate - A replicate of Laboratory Control Sample.
LOQ	Limit of Quantitation
MDL	Method Detection Limit - The minimum measured concentration of a substance that can be reported with 99% confidence. MDL is statistically derived number which is specific for each instrument, each method and each compound.
mg/kg	Miligrams per Kilogram
mg/L	Miligrams per Liter
MS	Matrix Spike - A sample prepared, taken through all sample preparation and analytical steps of the procedure and analyzed as an independent test results.
MSD	Matrix Spike Duplicate - A replicate of Matrix Spike Sample.
N	No
ND	Analyte is not detected below Method Detection Limit.
ng/m3	Nanograms per cubic meter
NIOSH	National Institute for Occupational Safety and Health
nL/L	Nanoliters per Liter
NTU	Nephelometric Turbidity Units
OSHA	Occupational Safety and Health Administration
RL	Reporting Limit - The lowest concentration at which an analyte can be detected in a sample and its concentration can be reported with a specified degree of confidence, accuracy and precision. For usage at AETL, RL is equivalent to LOQ.
RPD	Relative Percent Difference
SIM	Selective Ion Monitoring
TPH	Total Petroleum Hydrocarbons
ug/kg	Micrograms per Kilogram
ug/L	Micrograms per Liter
ug/m3	Micrograms per cubic meter
Y	Yes