

**BIENNIAL 2023 – PCB AIR & WIPE SAMPLING**  
**Point Dume Elementary School**  
**Buildings B**  
October 12, 2023

Prepared For:

**Santa Monica-Malibu Unified School District**  
Facilities Improvements Projects  
2828 4<sup>th</sup> Street  
Santa Monica, CA 90405

**N|V|5**

NV5 – Alta Environmental  
3777 Long Beach Blvd, Annex Building  
Long Beach, CA 90807  
Phone: 562.495.5777

**SMSD-23-11518**

## EXECUTIVE SUMMARY

On behalf of the Santa Monica-Malibu Unified School District (District), Alta Environmental, LP, an NV5 Company (NV5) has prepared this report summarizing the 2023 biennial sampling activities completed for Point Dume Elementary School campus, located at 6955 Fernhill Drive, Malibu, California 90265. The sampling activities were conducted to investigate the potential presence of detectable polychlorinated biphenyl (PCB) compounds in ambient air and on non-porous surfaces, if any, within Building B, Room 142.

Concentrations of PCBs were not detected above laboratory reporting limits in any of the air or surface wipe samples collected during the 2023 biennial sampling event. Based on this information, no significant concentrations of PCBs were detected in the air and surface wipe samples collected and analyzed during the 2023 biennial sampling event.

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<b>REPORTED:</b>	September 12, 2023	<b>PROJECT NO.:</b>	SMSD-23-11518
<b>CLIENT:</b>	Santa Monica-Malibu Unified School District Facility Improvements Projects 2828 4 <sup>th</sup> Street Santa Monica, California 90405		
<b>ATTENTION:</b>	Mr. Carey Upton		
<b>REF:</b>	Biennial 2023 PCB Sampling Report Point Dume Elementary School 6955 Fernhill Drive Malibu, CA, 90265		

## 1.0 PROJECT BACKGROUND

The Santa Monica-Malibu Unified School District (District) retained Alta Environmental, LP, an NV5 Company, (NV5) to conduct biennial air and wipe sampling services for Point Dume Elementary School (now known as Malibu Elementary School), located at 6955 Fernhill Drive, Malibu, CA 90265. This report presents the findings of our 2023 sampling event.

## 2.0 PURPOSE OF INSPECTION AND SAMPLING

The objective of the biennial sampling program is to monitor concentration trends of detectable polychlorinated biphenyl (PCB) compounds in ambient air and on non-porous surfaces, if any, within select buildings on the Point Dume Elementary School campus.

## 3.0 SCOPE OF SERVICES

During the course of our investigation, NV5 collected a total of 2 air samples (including 1 ambient background sample) and a total of 4 surface wipe samples (including one duplicate sample).

## 4.0 METHODOLOGY

During this sampling event, NV5 conducted air and wipe sampling within Point Dume Elementary School Building B (Room 142). Figures depicting the sample locations are presented in Appendix A.

Following collection, each sample was properly packaged, labeled, and stored within a chilled cooler pending transport to American Environmental Testing Laboratory (AETL) located in Burbank, California (wipe and air samples). The wipe samples were prepared for analysis by the laboratory using EPA Method 3540 (Soxhlet extraction) and were analyzed for PCBs using EPA Method 8082. The air samples were analyzed for PCBs using EPA Method TO-10A. The following sections provide a brief overview of the methodologies used during the sampling event.

## 4.1 AIR SAMPLING

Each air sample was collected utilizing a calibrated pump to draw air through laboratory-supplied polyurethane foam cartridges at a flow rate of approximately 5 liters per minute, for approximately 24 hours. The air samples were collected at breathing zone height and without the use of pre-filters.

## 4.2 WIPE SAMPLING

Each wipe sample was collected on laboratory supplied gauze pads (or similar sampling media) in general accordance with the *Standard Wipe Test* procedure described in 40 CFR 761.123.

## 5.0 RESULTS

### 5.1 AIR SAMPLING

Based on the reported laboratory results, concentrations of PCBs were not detected in any of the analyzed air samples.

For reference the USEPA's criteria for evaluating indoor air exposure levels at school sites. The criteria are as follows, presented in nanograms per cubic meter (ng/m<sup>3</sup>):

Age in Years Range	1 to <2	2 to <3	3 to <6	6 to <12	12 to <15	15 to <19	19 +
PCB Screening Level (ng/m <sup>3</sup> )	100	100	200	300	500	600	500

### 5.2 WIPE SAMPLING

Based on the reported laboratory results, concentrations of PCBs were not detected in any of the analyzed wipe samples.

All reported concentrations are below the EPA Region IX health-based benchmark of 1 microgram per 100 square meters (1µg/100cm<sup>2</sup>).

## 6.0 QUALITY CONTROL

Quality control (QC) field-blank and duplicate samples were collected during this investigation as methods to evaluate sampling and analytical precision. NV5 collected 1 ambient air background sample and 1 duplicate surface wipe samples during the course of this investigation. Laboratory results of the QC samples were reported within acceptable limits.

As mentioned above, AETL analyzed all air and wipe samples during this sampling event. AETL is accredited by the California Environmental Laboratory Accreditation Program. Based on a review of the laboratory quality control data associated with the sample analysis, the recovery and precision are within the acceptable limits of the laboratory.

## 7.0 CONCLUSIONS

Based on this information, no significant concentrations of PCBs were detected in the air and surface wipe samples collected and analyzed during the 2023 biennial sampling event.

## 8.0 ASSUMPTIONS AND LIMITATIONS

This report was prepared exclusively for use by the District and may not be relied upon by any other person or entity without NV5's express written permission. The information, conclusions and recommendations described in this report apply to conditions existing at certain locations when services were performed and are intended only for the specific purposes, locations, time frames and project parameters indicated. NV5 cannot be responsible for the impact of any changes in environmental standards, practices, or regulations after performance of services.

In performing our professional services, we have applied present engineering and scientific judgment and used a level of effort consistent with the current standard of practice for similar types of studies.

As applicable, NV5 has relied in good faith upon representations and information furnished by individuals with respect to operations and existing property conditions, to the extent that they have not been contradicted by data obtained from other sources. Accordingly, NV5 accepts no responsibility for any deficiencies, omissions, misrepresentations, or fraudulent acts of persons interviewed.

NV5 will not accept any liability for loss, injury claim, or damage arising directly or indirectly from any use or reliance on this report. NV5 makes no warranty, expressed or implied.


This report is issued with the understanding that the client, the property owner, or its representative is responsible for ensuring that the information, conclusions, and recommendations contained herein are brought to the attention of the appropriate regulatory agencies, as required.

NV5's investigation and the conclusions and recommendations generated as a result reflect a subjective evaluation of limited data and thus may not be representative of all conditions present at the site. If you have any questions, please feel free to call the undersigned at (562) 495-5777.

## 9.0 SIGNATORY

Respectfully submitted by:

NV5

  
Jonathan Barkman  
Project Manager

Reviewed by:

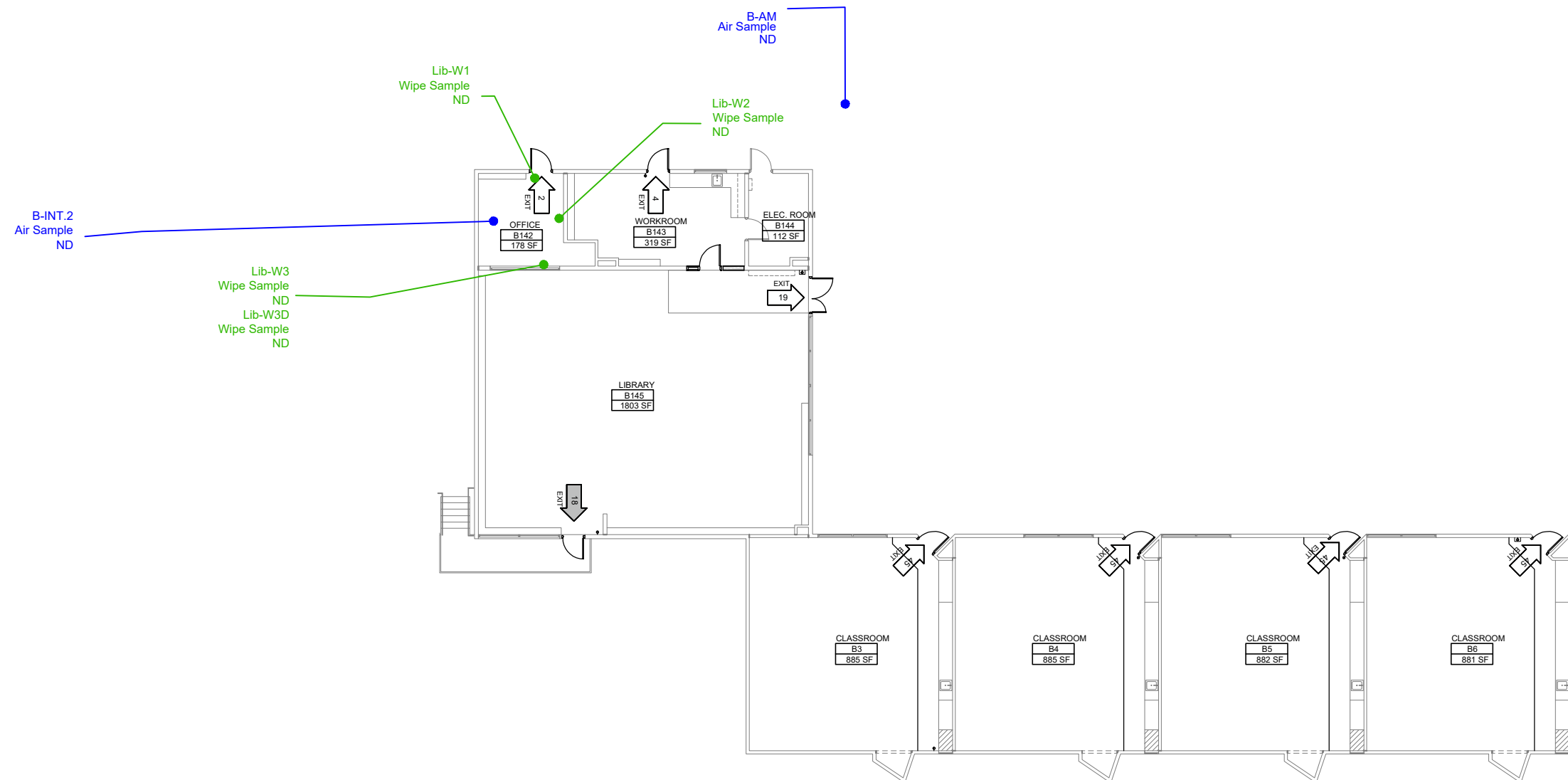
NV5

  
Reid Shigeno  
Project Manager

## Appendix A

Figures





This figure was created in color. Significant information may be lost if copied in black and white.

## Legend

- Wipe Sample
- Air Sample

# PCB Wipe and Air Sample Location Map - Building B

Malibu Elementary School (Former Point Dume)  
6955 Fern Hill Drive  
Malibu, California



**NV5**

3777 Long Beach Blvd. Annex Bldg. Long Beach, California 90807  
P: (562) 495-5777 ♦ F: (562) 495-5877 ♦ www.altaenviron.com

Date: September 2023 | Project No.: SMSD-23-11518

## Appendix B

Sample Inventories

Summary of Air Sampling Results  
Pt. Dume Elementary School  
2023 Biennial PCB Compliance Monitoring

**CLIENT:** SMMUSD  
**PROJECT** SMSD-23-11518  
**PROJECT:** Point Dume Elementary School Biennial 2023 PCB Air & Wipe Sampling  
**Date:** August 2023

Building	Room Placard ID	Room Description	Sampling Date <sup>[a]</sup>	Sample ID	Total PCBs (ng/m <sup>3</sup> )
B	142	Office	8/3/2023	B-Int.2	ND
Ambient	N/A	N/A	8/3/2023	IAM	ND

Notes:

[a] Air samples were collected over a 24-hour period with the lights on, windows and door closed, and ventilation off. Start date given.

Laboratory Practical Quantitative Limit = 0.10 µg/m<sup>3</sup>

Laboratory Method Detection Limit = 0.046 µg/m<sup>3</sup>

Abbreviations:

ng/m<sup>3</sup> = nanograms per cubic meter

ND = compound was analyzed for but not detected above the laboratory reporting limit

J = A "J-flag" designation indicates that the reported concentration was detected above the method detection limit, but below the laboratory's practical quantitative limit

Summary of Surface Wipe Sampling Results  
Pt. Dume Elementary School  
2023 Biennial PCB Compliance Monitoring

**CLIENT:** SMMUSD  
**PROJECT NO:** SMSD-23-11518  
**PROJECT:** Point Dume Elementary School Biennial 2023 PCB Air & Wipe Sampling  
**Date:** August 2023

Building	Room Placard ID	Component Description	Sampling Date	Sample ID	Total PCBs (µg/100cm <sup>2</sup> )
B	142	Entryway floor tile	8/3/2023	Lib-W1	ND
		Middle room shelf	8/3/2023	Lib-W2	ND
		Auxillary room window sill	8/3/2023	Lib-W3	ND
		Duplicate of Lib-W3	8/3/2023	Lib-W3D	ND

Notes:

Method Detection Limits range between 0.54 - 0.99 µg/100cm<sup>2</sup>

µg/100cm<sup>2</sup> = microgram per 100 square centimeters

PCB = polychlorinated biphenyl

J = A"J-flag" designation indicates that the reported concentration was detected above the method detection limit, but below the laboratory's practical quantitative limit

## Appendix C

Laboratory Reports



## AMERICAN ENVIRONMENTAL TESTING LABORATORY, LLC

2840 North Naomi Street, Burbank, CA 91504 • ELAP# 1541 • LACSD# 10181

Telephone (888) 288-AETL • (818) 845-8200 • [www.aetlab.com](http://www.aetlab.com)

August 15, 2023

AETL Job No: BEH0049

Received Date: 08/04/2023

Project Number: [none]

NV5  
3777 Long Beach Boulevard, Annex Building  
Long Beach, CA 90807  
Telephone: (562) 495-5777

Attention: Jonathan Barkman

Project Name: Point Dume ES PCB Compliance  
Site: Point Dume Elementary School  
6955 Fernhill 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:

Hailley Coleman  
Project Manager

Approved By:

Joe Sevreaan  
Laboratory Director

Table of Contents

Client Project Name: Malibu High School Project Number: [none]  
Work Order Number: BEH0049

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NV5	AETL Job Number:	BEH0049	Site:	Point Dume Elementary School
3777 Long Beach Boulevard, Annex Building	Project Number:	[none]		6955 Fernhill Dr.
Long Beach, CA 90807	Attention:	Jonathan Barkman		Malibu, CA 90265
	Project Name:	Point Dume ES PCB Compliance	Reported:	08/15/2023 13:34

### Sample Condition on Receipt

Cooler ID: Default Cooler

Temperature: 5.5 °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





## CHAIN OF CUSTODY RECORD

COMPANY	Alta Environmental / NV5	PROJECT MANAGER	Don Backman
COMPANY ADDRESS	3777 Long Beach Blvd, Long Beach	PHONE	310-920-3404
PROJECT NAME	Point Dume ES PCB Compliance	EMAIL	Jonathan.Backman@nv5.com
SITE NAME AND ADDRESS	Point Dume ES	PROJECT #	SM5D-23-
	Point Dume ES	PO #	

SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	EPA 8	10-16	Soxh	Vol (mL)
BAM	0610049-0	08/02	23:16	<del>23:16</del>	1	Vu-10-16		X		2566.5
B-Int. 2	03	08/03	13:05	<del>13:05</del>				X		6425.5
Lib. - W1	03	08/03	13:25	wipe			X	X		NA
Lib. - W2	04	08/03	13:25	wipe			X	X		NA
Lib. - W3	05	08/03	13:25	wipe			X	X		NA
Lib. - W3D	06	08/03	13:25	wipe			X	X		NA

TOTAL NUMBER OF CONTAINERS:		RELINQUISHED BY: 1.		RELINQUISHED BY: 2.		RELINQUISHED BY: 3.	
BILLING INFORMATION / SPECIAL INSTRUCTIONS		Signature: <i>How. m</i>		Signature: <i>[Signature]</i>		Signature: <i>[Signature]</i>	
		Printed Name: <i>Neah Stevens</i>		Printed Name: <i>[Name]</i>		Printed Name: <i>[Name]</i>	
		Date: <i>08/14/23</i>		Date: <i>[Date]</i>		Date: <i>[Date]</i>	
		Time: <i>2:45pm</i>		Time: <i>[Time]</i>		Time: <i>[Time]</i>	
TURN AROUND TIME		RECEIVED BY: 1.		RECEIVED BY: 2.		RECEIVED BY: 3.	
Signature: <i>[Signature]</i>		Signature: <i>[Signature]</i>		Signature: <i>[Signature]</i>		Signature: <i>[Signature]</i>	
Printed Name: <i>[Name]</i>		Printed Name: <i>[Name]</i>		Printed Name: <i>[Name]</i>		Printed Name: <i>[Name]</i>	
Date: <i>8/14/23</i>		Date: <i>8/14/23</i>		Date: <i>8/14/23</i>		Date: <i>8/14/23</i>	
Time: <i>2:45pm</i>		Time: <i>2:45pm</i>		Time: <i>2:45pm</i>		Time: <i>2:45pm</i>	
DATA DELIVERABLE REQUIRED		RECEIVED BY: 1.		RECEIVED BY: 2.		RECEIVED BY: 3.	
Signature: <i>[Signature]</i>		Signature: <i>[Signature]</i>		Signature: <i>[Signature]</i>		Signature: <i>[Signature]</i>	
Printed Name: <i>[Name]</i>		Printed Name: <i>[Name]</i>		Printed Name: <i>[Name]</i>		Printed Name: <i>[Name]</i>	
Date: <i>8/14/23</i>		Date: <i>8/14/23</i>		Date: <i>8/14/23</i>		Date: <i>8/14/23</i>	
Time: <i>2:45pm</i>		Time: <i>2:45pm</i>		Time: <i>2:45pm</i>		Time: <i>2:45pm</i>	
HARD COPY		RECEIVED BY: 1.		RECEIVED BY: 2.		RECEIVED BY: 3.	
E-COPY		Signature: <i>[Signature]</i>		Signature: <i>[Signature]</i>		Signature: <i>[Signature]</i>	
GEOTRACKER (GLOBAL ID)		Printed Name: <i>[Name]</i>		Printed Name: <i>[Name]</i>		Printed Name: <i>[Name]</i>	
OTHER (PLEASE SPECIFY)		Date: <i>8/14/23</i>		Date: <i>8/14/23</i>		Date: <i>8/14/23</i>	
Time: <i>2:45pm</i>		Time: <i>2:45pm</i>		Time: <i>2:45pm</i>		Time: <i>2:45pm</i>	



# AMERICAN ENVIRONMENTAL TESTING LABORATORY

2840 North Naomi Street Burbank, CA 91504 • ELAP# 1541 & 2402 • LACSD# 10181  
TEL (888) 288-AETL • (818) 845-8200 • www.aetlab.com

## COOLER RECEIPT FORM

Client Name: NV5				
Project Name: Point Dune Es PCB Compaince			Project No.: SMSD-23	
AETL Job Number: BEH000				
Date Received: 08/04/2023		Received by: Lois C.		
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 ( 1 ) <input type="checkbox"/> Other (Specify):				
Sample Container Temperature: 5.5 °C IR Gun S/N: 51941909MV				
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"/> Acetate sleeves, <input type="checkbox"/> 5035 Kit: <input type="checkbox"/> AETL or <input type="checkbox"/> Client, <input type="checkbox"/> Tedlar Bags, Summa Canister: <input type="checkbox"/> 6L, <input type="checkbox"/> 3L, <input type="checkbox"/> 1L, 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 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"/> NaHSO <sub>4</sub> <input type="checkbox"/> Other (Specify):				
	Yes	No	N/A	Note or Comment
1. Are the COCs Correct?	✓			
2. Are Sample labels legible & indelible ink?	✓			
3. Do samples match the COC?	✓			
4. Are the required analyses clear?	✓			
5. Is there enough samples for required analysis?	✓			
6. Does cooler or samples have custody seal(s)?			✓	
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? See footnote.			✓	
11. Are the jars free of headspace?			✓	
* = see note below. N/A = Not Applicable				

**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.**



Example maximum headspace bubble size; acceptance criteria not to exceed 5-6 mm in diameter.

For headspace bubbles exceeding 6 mm in diameter, sample receiving will tag the VOA and notify the Project Manager. The Project Manager will contact client for Analyze or Resample instructions.



## AMERICAN ENVIRONMENTAL TESTING LABORATORY, LLC

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Telephone (888) 288-AETL • (818) 845-8200 • [www.aetlab.com](http://www.aetlab.com)

NV5	AETL Job Number:	BEH0049	Site:	Point Dume Elementary School
3777 Long Beach Boulevard, Annex Building	Project Number:	[none]		6955 Fernhill Dr.
Long Beach, CA 90807	Attention:	Jonathan Barkman		Malibu, CA 90265
	Project Name:	Point Dume ES PCB Compliance	Reported:	08/15/2023 13:34

### Case Narrative

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

Results as reported by the laboratory apply only to 1) the items tested, 2) as the samples are received, and 3) the accuracy of information provided. Information supplied by the customer that may affect validity of results and may be contained in this report include Project Name/Number, Site Location, Sample Locations, Sampling Dates/Times, Sample ID, Sample Preservation, Sample Matrix, Sample Properties, Field Blanks, Field Duplicates, Field Spikes, and Site Historical Data.

Accreditation applies only to the test methods listed on each scope of accreditation held by the laboratory; certifications held by the laboratory may not apply to results supplied in this report.

Qualifiers are noted in the report.



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Long Beach, CA 90807	Attention: Jonathan Barkman	Malibu, CA 90265
	Project Name: Point Dume ES PCB Compliance	Reported: 08/15/2023 13:34

## Samples Received

AETL received the following samples on 08/04/2023 with the following specifications

Client ID B-AM		Sample Date 08/2/2023 23:15	
Lab ID BEH0049-01	Matrix Air	Quantity of Containers 1	
Method EPA TO-10A	Analyte PCB Compounds in Ambient Air using Low Volume	Units ng/m <sup>3</sup>	TAT 5
Client ID B-Int.2		Sample Date 08/3/2023 13:05	
Lab ID BEH0049-02	Matrix Air	Quantity of Containers 1	
Method EPA TO-10A	Analyte PCB Compounds in Ambient Air using Low Volume	Units ng/m <sup>3</sup>	TAT 5
Client ID Lib-W1		Sample Date 08/3/2023 13:25	
Lab ID BEH0049-03	Matrix Wipe	Quantity of Containers 1	
Method EPA 8082	Analyte Polychlorinated Biphenyls by Soxhlet Extraction	Units ug/Wipe	TAT 5
Client ID Lib-W2		Sample Date 08/3/2023 13:25	
Lab ID BEH0049-04	Matrix Wipe	Quantity of Containers 1	
Method	Analyte	Units	TAT



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NV5	AETL Job Number: BEH0049	Site: Point Dume Elementary School
3777 Long Beach Boulevard, Annex Building	Project Number: [none]	6955 Fernhill Dr.
Long Beach, CA 90807	Attention: Jonathan Barkman	Malibu, CA 90265
	Project Name: Point Dume ES PCB Compliance	Reported: 08/15/2023 13:34

## Samples Received

(Continued)

**AETL received the following samples on 08/04/2023 with the following specifications**

EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/Wipe	5
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Client ID	Sample Date	
Lib-W3	08/3/2023 13:25	
Lab ID	Matrix	Quantity of Containers
BEH0049-05	Wipe	1

Method	Analyte	Units	TAT
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/Wipe	5

Client ID	Sample Date	
Lib-W3D	08/3/2023 13:25	
Lab ID	Matrix	Quantity of Containers
BEH0049-06	Wipe	1

Method	Analyte	Units	TAT
EPA 8082	Polychlorinated Biphenyls by Soxhlet Extraction	ug/Wipe	5

**Total Number of Samples received: 6**





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

NV5	AETL Job Number:	BEH0049	Site:	Point Dume Elementary School
3777 Long Beach Boulevard, Annex Building	Project Number:	[none]		6955 Fernhill Dr.
Long Beach, CA 90807	Attention:	Jonathan Barkman		Malibu, CA 90265
	Project Name:	Point Dume ES PCB Compliance	Reported:	08/15/2023 13:34

### Positive Hits Summary

Lab ID	Client ID				Sampled
Method	Analyte	Result	Qualifier	Unit	Analyzed

**No positive results reported**



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

NV5	AETL Job Number: BEH0049	Site: Point Dume Elementary School
3777 Long Beach Boulevard, Annex Building	Project Number: [none]	6955 Fernhill Dr.
Long Beach, CA 90807	Attention: Jonathan Barkman	Malibu, CA 90265
	Project Name: Point Dume ES PCB Compliance	Reported: 08/15/2023 13:34

## Analytical Results

Client ID: B-AM

Lab ID: BEH0049-01 (Air)

Sampled: 08/02/23 23:15

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

### Semivolatile Organic Compounds

#### Method: EPA TO-10A

Aroclor-1016 (PCB-1016)	ND		1	6.94	13.9	ng/m <sup>3</sup>	08/08/23 11:05	08/12/23 23:12	B3H0243	TTN	3541
Aroclor-1221 (PCB-1221)	ND		1	6.94	13.9	ng/m <sup>3</sup>	08/08/23 11:05	08/12/23 23:12	B3H0243	TTN	3541
Aroclor-1232 (PCB-1232)	ND		1	6.94	13.9	ng/m <sup>3</sup>	08/08/23 11:05	08/12/23 23:12	B3H0243	TTN	3541
Aroclor-1242 (PCB-1242)	ND		1	6.94	13.9	ng/m <sup>3</sup>	08/08/23 11:05	08/12/23 23:12	B3H0243	TTN	3541
Aroclor-1248 (PCB-1248)	ND		1	6.94	13.9	ng/m <sup>3</sup>	08/08/23 11:05	08/12/23 23:12	B3H0243	TTN	3541
Aroclor-1254 (PCB-1254)	ND		1	6.94	13.9	ng/m <sup>3</sup>	08/08/23 11:05	08/12/23 23:12	B3H0243	TTN	3541
Aroclor-1260 (PCB-1260)	ND		1	6.94	13.9	ng/m <sup>3</sup>	08/08/23 11:05	08/12/23 23:12	B3H0243	TTN	3541
Aroclor-1262 (PCB-1262)	ND		1	6.94	13.9	ng/m <sup>3</sup>	08/08/23 11:05	08/12/23 23:12	B3H0243	TTN	3541
Aroclor-1268 (PCB-1268)	ND		1	6.94	13.9	ng/m <sup>3</sup>	08/08/23 11:05	08/12/23 23:12	B3H0243	TTN	3541
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				Recovery			Acceptance Criteria				
Surrogate: Decachlorobiphenyl	55.9%				30-150			08/08/23 11:05	08/12/23 23:12	B3H0243	TTN 3541
Surrogate: Tetrachloro-m-xylene	39.9%				30-150			08/08/23 11:05	08/12/23 23:12	B3H0243	TTN 3541



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

NV5	AETL Job Number: BEH0049	Site: Point Dume Elementary School
3777 Long Beach Boulevard, Annex Building	Project Number: [none]	6955 Fernhill Dr.
Long Beach, CA 90807	Attention: Jonathan Barkman	Malibu, CA 90265
	Project Name: Point Dume ES PCB Compliance	Reported: 08/15/2023 13:34

## Analytical Results

Client ID: B-Int.2

Lab ID: BEH0049-02 (Air)

Sampled: 08/03/23 13:05

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	7.78	15.6	ng/m <sup>3</sup>	08/08/23 11:05	08/12/23 23:31	B3H0243	TTN	3541
Aroclor-1221 (PCB-1221)	ND		1	7.78	15.6	ng/m <sup>3</sup>	08/08/23 11:05	08/12/23 23:31	B3H0243	TTN	3541
Aroclor-1232 (PCB-1232)	ND		1	7.78	15.6	ng/m <sup>3</sup>	08/08/23 11:05	08/12/23 23:31	B3H0243	TTN	3541
Aroclor-1242 (PCB-1242)	ND		1	7.78	15.6	ng/m <sup>3</sup>	08/08/23 11:05	08/12/23 23:31	B3H0243	TTN	3541
Aroclor-1248 (PCB-1248)	ND		1	7.78	15.6	ng/m <sup>3</sup>	08/08/23 11:05	08/12/23 23:31	B3H0243	TTN	3541
Aroclor-1254 (PCB-1254)	ND		1	7.78	15.6	ng/m <sup>3</sup>	08/08/23 11:05	08/12/23 23:31	B3H0243	TTN	3541
Aroclor-1260 (PCB-1260)	ND		1	7.78	15.6	ng/m <sup>3</sup>	08/08/23 11:05	08/12/23 23:31	B3H0243	TTN	3541
Aroclor-1262 (PCB-1262)	ND		1	7.78	15.6	ng/m <sup>3</sup>	08/08/23 11:05	08/12/23 23:31	B3H0243	TTN	3541
Aroclor-1268 (PCB-1268)	ND		1	7.78	15.6	ng/m <sup>3</sup>	08/08/23 11:05	08/12/23 23:31	B3H0243	TTN	3541

#### Recovery

Surrogate: Decachlorobiphenyl	113%						08/08/23 11:05	08/12/23 23:31	B3H0243	TTN	3541
Surrogate: Tetrachloro-m-xylene	82.6%						08/08/23 11:05	08/12/23 23:31	B3H0243	TTN	3541

#### Acceptance Criteria

							30-150				
							30-150				





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NV5	AETL Job Number: BEH0049	Site: Point Dume Elementary School
3777 Long Beach Boulevard, Annex Building	Project Number: [none]	6955 Fernhill Dr.
Long Beach, CA 90807	Attention: Jonathan Barkman	Malibu, CA 90265
	Project Name: Point Dume ES PCB Compliance	Reported: 08/15/2023 13:34

## Analytical Results

Client ID: Lib-W1

Lab ID: BEH0049-03 (Wipe)

Sampled: 08/03/23 13:25

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

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND		1	0.0200	0.0500	ug/Wipe	08/08/23 10:42	08/12/23 20:38	B3H0240	TTN	3541
Aroclor-1221 (PCB-1221)	ND		1	0.0200	0.0500	ug/Wipe	08/08/23 10:42	08/12/23 20:38	B3H0240	TTN	3541
Aroclor-1232 (PCB-1232)	ND		1	0.0200	0.0500	ug/Wipe	08/08/23 10:42	08/12/23 20:38	B3H0240	TTN	3541
Aroclor-1242 (PCB-1242)	ND		1	0.0200	0.0500	ug/Wipe	08/08/23 10:42	08/12/23 20:38	B3H0240	TTN	3541
Aroclor-1248 (PCB-1248)	ND		1	0.0200	0.0500	ug/Wipe	08/08/23 10:42	08/12/23 20:38	B3H0240	TTN	3541
Aroclor-1254 (PCB-1254)	ND		1	0.0200	0.0500	ug/Wipe	08/08/23 10:42	08/12/23 20:38	B3H0240	TTN	3541
Aroclor-1260 (PCB-1260)	ND		1	0.0200	0.0500	ug/Wipe	08/08/23 10:42	08/12/23 20:38	B3H0240	TTN	3541
Aroclor-1262 (PCB-1262)	ND		1	0.0200	0.0500	ug/Wipe	08/08/23 10:42	08/12/23 20:38	B3H0240	TTN	3541
Aroclor-1268 (PCB-1268)	ND		1	0.0200	0.0500	ug/Wipe	08/08/23 10:42	08/12/23 20:38	B3H0240	TTN	3541

#### Recovery

Surrogate: Decachlorobiphenyl	76.8%						08/08/23 10:42	08/12/23 20:38	B3H0240	TTN	3541
Surrogate: Tetrachloro-m-xylene	57.0%						08/08/23 10:42	08/12/23 20:38	B3H0240	TTN	3541

#### Acceptance Criteria

							30-150				
							30-150				



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NV5	AETL Job Number: BEH0049	Site: Point Dume Elementary School
3777 Long Beach Boulevard, Annex Building	Project Number: [none]	6955 Fernhill Dr.
Long Beach, CA 90807	Attention: Jonathan Barkman	Malibu, CA 90265
	Project Name: Point Dume ES PCB Compliance	Reported: 08/15/2023 13:34

## Analytical Results

Client ID: Lib-W2

Lab ID: BEH0049-04 (Wipe)

Sampled: 08/03/23 13:25

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

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND	1	0.0200	0.0500	ug/Wipe	08/08/23 10:42	08/12/23 20:57	B3H0240	TTN	3541
Aroclor-1221 (PCB-1221)	ND	1	0.0200	0.0500	ug/Wipe	08/08/23 10:42	08/12/23 20:57	B3H0240	TTN	3541
Aroclor-1232 (PCB-1232)	ND	1	0.0200	0.0500	ug/Wipe	08/08/23 10:42	08/12/23 20:57	B3H0240	TTN	3541
Aroclor-1242 (PCB-1242)	ND	1	0.0200	0.0500	ug/Wipe	08/08/23 10:42	08/12/23 20:57	B3H0240	TTN	3541
Aroclor-1248 (PCB-1248)	ND	1	0.0200	0.0500	ug/Wipe	08/08/23 10:42	08/12/23 20:57	B3H0240	TTN	3541
Aroclor-1254 (PCB-1254)	ND	1	0.0200	0.0500	ug/Wipe	08/08/23 10:42	08/12/23 20:57	B3H0240	TTN	3541
Aroclor-1260 (PCB-1260)	ND	1	0.0200	0.0500	ug/Wipe	08/08/23 10:42	08/12/23 20:57	B3H0240	TTN	3541
Aroclor-1262 (PCB-1262)	ND	1	0.0200	0.0500	ug/Wipe	08/08/23 10:42	08/12/23 20:57	B3H0240	TTN	3541
Aroclor-1268 (PCB-1268)	ND	1	0.0200	0.0500	ug/Wipe	08/08/23 10:42	08/12/23 20:57	B3H0240	TTN	3541

#### Recovery

Surrogate: Decachlorobiphenyl	69.9%	30-150	08/08/23 10:42	08/12/23 20:57	B3H0240	TTN	3541
Surrogate: Tetrachloro-m-xylene	86.5%	30-150	08/08/23 10:42	08/12/23 20:57	B3H0240	TTN	3541



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NV5	AETL Job Number: BEH0049	Site: Point Dume Elementary School
3777 Long Beach Boulevard, Annex Building	Project Number: [none]	6955 Fernhill Dr.
Long Beach, CA 90807	Attention: Jonathan Barkman	Malibu, CA 90265
	Project Name: Point Dume ES PCB Compliance	Reported: 08/15/2023 13:34

## Analytical Results

Client ID: Lib-W3

Lab ID: BEH0049-05 (Wipe)

Sampled: 08/03/23 13:25

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

Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND	1	0.0200	0.0500	ug/Wipe	08/08/23 10:42	08/12/23 21:16	B3H0240	TTN	3541
Aroclor-1221 (PCB-1221)	ND	1	0.0200	0.0500	ug/Wipe	08/08/23 10:42	08/12/23 21:16	B3H0240	TTN	3541
Aroclor-1232 (PCB-1232)	ND	1	0.0200	0.0500	ug/Wipe	08/08/23 10:42	08/12/23 21:16	B3H0240	TTN	3541
Aroclor-1242 (PCB-1242)	ND	1	0.0200	0.0500	ug/Wipe	08/08/23 10:42	08/12/23 21:16	B3H0240	TTN	3541
Aroclor-1248 (PCB-1248)	ND	1	0.0200	0.0500	ug/Wipe	08/08/23 10:42	08/12/23 21:16	B3H0240	TTN	3541
Aroclor-1254 (PCB-1254)	ND	1	0.0200	0.0500	ug/Wipe	08/08/23 10:42	08/12/23 21:16	B3H0240	TTN	3541
Aroclor-1260 (PCB-1260)	ND	1	0.0200	0.0500	ug/Wipe	08/08/23 10:42	08/12/23 21:16	B3H0240	TTN	3541
Aroclor-1262 (PCB-1262)	ND	1	0.0200	0.0500	ug/Wipe	08/08/23 10:42	08/12/23 21:16	B3H0240	TTN	3541
Aroclor-1268 (PCB-1268)	ND	1	0.0200	0.0500	ug/Wipe	08/08/23 10:42	08/12/23 21:16	B3H0240	TTN	3541

#### Recovery

Surrogate: Decachlorobiphenyl	82.1%	30-150	08/08/23 10:42	08/12/23 21:16	B3H0240	TTN	3541
Surrogate: Tetrachloro-m-xylene	64.8%	30-150	08/08/23 10:42	08/12/23 21:16	B3H0240	TTN	3541



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NV5	AETL Job Number: BEH0049	Site: Point Dume Elementary School
3777 Long Beach Boulevard, Annex Building	Project Number: [none]	6955 Fernhill Dr.
Long Beach, CA 90807	Attention: Jonathan Barkman	Malibu, CA 90265
	Project Name: Point Dume ES PCB Compliance	Reported: 08/15/2023 13:34

## Analytical Results

Client ID: Lib-W3D

Lab ID: BEH0049-06 (Wipe)

Sampled: 08/03/23 13:25

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

#### Method: EPA 8082

Aroclor-1016 (PCB-1016)	ND	1	0.0200	0.0500	ug/Wipe	08/08/23 10:42	08/12/23 21:36	B3H0240	TTN	3541
Aroclor-1221 (PCB-1221)	ND	1	0.0200	0.0500	ug/Wipe	08/08/23 10:42	08/12/23 21:36	B3H0240	TTN	3541
Aroclor-1232 (PCB-1232)	ND	1	0.0200	0.0500	ug/Wipe	08/08/23 10:42	08/12/23 21:36	B3H0240	TTN	3541
Aroclor-1242 (PCB-1242)	ND	1	0.0200	0.0500	ug/Wipe	08/08/23 10:42	08/12/23 21:36	B3H0240	TTN	3541
Aroclor-1248 (PCB-1248)	ND	1	0.0200	0.0500	ug/Wipe	08/08/23 10:42	08/12/23 21:36	B3H0240	TTN	3541
Aroclor-1254 (PCB-1254)	ND	1	0.0200	0.0500	ug/Wipe	08/08/23 10:42	08/12/23 21:36	B3H0240	TTN	3541
Aroclor-1260 (PCB-1260)	ND	1	0.0200	0.0500	ug/Wipe	08/08/23 10:42	08/12/23 21:36	B3H0240	TTN	3541
Aroclor-1262 (PCB-1262)	ND	1	0.0200	0.0500	ug/Wipe	08/08/23 10:42	08/12/23 21:36	B3H0240	TTN	3541
Aroclor-1268 (PCB-1268)	ND	1	0.0200	0.0500	ug/Wipe	08/08/23 10:42	08/12/23 21:36	B3H0240	TTN	3541

#### Recovery

Surrogate: Decachlorobiphenyl	73.5%	30-150	08/08/23 10:42	08/12/23 21:36	B3H0240	TTN	3541
Surrogate: Tetrachloro-m-xylene	75.7%	30-150	08/08/23 10:42	08/12/23 21:36	B3H0240	TTN	3541

#### Acceptance Criteria



# AMERICAN ENVIRONMENTAL TESTING LABORATORY, LLC

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NV5	AETL Job Number: BEH0049	Site: Point Dume Elementary School
3777 Long Beach Boulevard, Annex Building	Project Number: [none]	6955 Fernhill Dr.
Long Beach, CA 90807	Attention: Jonathan Barkman	Malibu, CA 90265
	Project Name: Point Dume ES PCB Compliance	Reported: 08/15/2023 13:34

## 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: B3H0243 - 3541</b>					<b>Prepared: 08/08/2023 11:05</b>						
Method Blank (B3H0243-BLK1)					<b>Analyzed: 08/12/2023 22:53</b>						
Aroclor-1016 (PCB-1016)	ND	6.94	13.9	ng/m <sup>3</sup>							
Aroclor-1221 (PCB-1221)	ND	6.94	13.9	ng/m <sup>3</sup>							
Aroclor-1232 (PCB-1232)	ND	6.94	13.9	ng/m <sup>3</sup>							
Aroclor-1242 (PCB-1242)	ND	6.94	13.9	ng/m <sup>3</sup>							
Aroclor-1248 (PCB-1248)	ND	6.94	13.9	ng/m <sup>3</sup>							
Aroclor-1254 (PCB-1254)	ND	6.94	13.9	ng/m <sup>3</sup>							
Aroclor-1260 (PCB-1260)	ND	6.94	13.9	ng/m <sup>3</sup>							
Aroclor-1262 (PCB-1262)	ND	6.94	13.9	ng/m <sup>3</sup>							
Aroclor-1268 (PCB-1268)	ND	6.94	13.9	ng/m <sup>3</sup>							
Surrogate: Decachlorobiphenyl	4.34			ng/m <sup>3</sup>	6.94		62.6	30-150			
Surrogate: Tetrachloro-m-xylene	3.55			ng/m <sup>3</sup>	6.94		51.2	30-150			



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NV5	AETL Job Number: BEH0049	Site: Point Dume Elementary School
3777 Long Beach Boulevard, Annex Building	Project Number: [none]	6955 Fernhill Dr.
Long Beach, CA 90807	Attention: Jonathan Barkman	Malibu, CA 90265
	Project Name: Point Dume ES PCB Compliance	Reported: 08/15/2023 13:34

## Quality Control Results

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

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
<b>Batch: B3H0243 - 3541 (Continued)</b>				<b>Prepared: 08/08/2023 11:05</b>						
LCS (B3H0243-BS1)				<b>Analyzed: 08/12/2023 21:55</b>						
Aroclor-1016 (PCB-1016)	59.7	13.9	ng/m <sup>3</sup>	69.4		85.9	40-140			
Aroclor-1260 (PCB-1260)	50.6	13.9	ng/m <sup>3</sup>	69.4		72.8	40-140			
Surrogate: Decachlorobiphenyl	5.98		ng/m <sup>3</sup>	6.94		86.0	30-150			
Surrogate: Tetrachloro-m-xylene	4.58		ng/m <sup>3</sup>	6.94		65.9	30-150			
LCSD (B3H0243-BSD1)				<b>Analyzed: 08/12/2023 22:14</b>						
Aroclor-1016 (PCB-1016)	71.0	13.9	ng/m <sup>3</sup>	69.4		102	40-140	17.4	40	
Aroclor-1260 (PCB-1260)	54.6	13.9	ng/m <sup>3</sup>	69.4		78.6	40-140	7.62	40	
Surrogate: Decachlorobiphenyl	6.21		ng/m <sup>3</sup>	6.94		89.4	30-150			
Surrogate: Tetrachloro-m-xylene	4.32		ng/m <sup>3</sup>	6.94		62.2	30-150			





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NV5	AETL Job Number: BEH0049	Site: Point Dume Elementary School
3777 Long Beach Boulevard, Annex Building	Project Number: [none]	6955 Fernhill Dr.
Long Beach, CA 90807	Attention: Jonathan Barkman	Malibu, CA 90265
	Project Name: Point Dume ES PCB Compliance	Reported: 08/15/2023 13:34

## Quality Control Results

### PCBs by Soxhlet Extraction (EPA 8082)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
<b>Batch: B3H0240 - 3541</b>					<b>Prepared: 08/08/2023 10:42</b>						
Method Blank (B3H0240-BLK1)					<b>Analyzed: 08/12/2023 16:27</b>						
Aroclor-1016 (PCB-1016)	ND	0.0200	0.0500	ug/Wipe							
Aroclor-1221 (PCB-1221)	ND	0.0200	0.0500	ug/Wipe							
Aroclor-1232 (PCB-1232)	ND	0.0200	0.0500	ug/Wipe							
Aroclor-1242 (PCB-1242)	ND	0.0200	0.0500	ug/Wipe							
Aroclor-1248 (PCB-1248)	ND	0.0200	0.0500	ug/Wipe							
Aroclor-1254 (PCB-1254)	ND	0.0200	0.0500	ug/Wipe							
Aroclor-1260 (PCB-1260)	ND	0.0200	0.0500	ug/Wipe							
Aroclor-1262 (PCB-1262)	ND	0.0200	0.0500	ug/Wipe							
Aroclor-1268 (PCB-1268)	ND	0.0200	0.0500	ug/Wipe							
Surrogate: Decachlorobiphenyl	0.0472			ug/Wipe	0.0500		94.4	30-150			
Surrogate: Tetrachloro-m-xylene	0.0491			ug/Wipe	0.0500		98.2	30-150			



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NV5	AETL Job Number: BEH0049	Site: Point Dume Elementary School
3777 Long Beach Boulevard, Annex Building	Project Number: [none]	6955 Fernhill Dr.
Long Beach, CA 90807	Attention: Jonathan Barkman	Malibu, CA 90265
	Project Name: Point Dume ES PCB Compliance	Reported: 08/15/2023 13:34

## Quality Control Results

### PCBs by Soxhlet Extraction (EPA 8082)

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
<b>Batch: B3H0240 - 3541 (Continued)</b>				<b>Prepared: 08/08/2023 10:42</b>						
LCS (B3H0240-BS1)				<b>Analyzed: 08/12/2023 15:49</b>						
Aroclor-1016 (PCB-1016)	0.685	0.0500	ug/Wipe	0.500		137	50-150			
Aroclor-1260 (PCB-1260)	0.523	0.0500	ug/Wipe	0.500		105	50-150			
Surrogate: Decachlorobiphenyl	0.0452		ug/Wipe	0.0500		90.4	30-150			
Surrogate: Tetrachloro-m-xylene	0.0336		ug/Wipe	0.0500		67.2	30-150			
LCSD (B3H0240-BSD1)				<b>Analyzed: 08/12/2023 16:08</b>						
Aroclor-1016 (PCB-1016)	0.423	0.0500	ug/Wipe	0.500		84.5	50-150	47.5	40	R
Aroclor-1260 (PCB-1260)	0.562	0.0500	ug/Wipe	0.500		112	50-150	7.20	40	
Surrogate: Decachlorobiphenyl	0.0548		ug/Wipe	0.0500		110	30-150			
Surrogate: Tetrachloro-m-xylene	0.0356		ug/Wipe	0.0500		71.2	30-150			





# AMERICAN ENVIRONMENTAL TESTING LABORATORY, LLC

2840 North Naomi Street, Burbank, CA 91504 • ELAP# 1541 • LACSD# 10181

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

NV5	AETL Job Number: BEH0049	Site: Point Dume Elementary School
3777 Long Beach Boulevard, Annex Building	Project Number: [none]	6955 Fernhill Dr.
Long Beach, CA 90807	Attention: Jonathan Barkman	Malibu, CA 90265
	Project Name: Point Dume ES PCB Compliance	Reported: 08/15/2023 13:34

## Qualifiers and Definitions

Item	Qualifiers
R	The RPD was outside of QC acceptance limits due to possible matrix interference.
Item	Definitions
% wt	Percent Weight
%REC	Percent Recovery
°F	Degrees Fahrenheit
AETL	American Environmental Testing Laboratory, LLC
C	Carbon
CARB	California Air Resources Board
COC	Chain of Custody
Cresols	3-methylphenol/4-methylphenol coelute and cannot be chromatographically separated. Due to this coeluting isomer pair phenomenon, the laboratory uses a single cresol (4-methylphenol) as calibration standard for 3-methylphenol/4-methylphenol.
CRM	Certified Reference Material
DI	Deionized Water
DPD	Department of Planning and Development
DRO	Diesel Range Organics
Dup	Duplicate
ELAP	Environmental Laboratory Accreditation Program
EPA	Environmental Protection Agency
GC/FID	Gas Chromatography Flame Ionization Detection
GRO	Gasoline Range Organics
HC	Hydrocarbon
HEM	Hexane Extractable Material
HMU	Hazardous Material Unit
ICP/MS	Inductively Coupled Plasma Mass Spectrometry
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
ml/L/hr	Milliliter per Liter per Hour
MRO	Motor oil Range Organics
MS	Matrix Spike - A sample prepared, taken through all sample preparation and analytical steps of the procedure and analyzed as an independent test results.



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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
Ohm-cm	Ohms per centimeter
ORO	Oil Range Organics
OSHA	Occupational Safety and Health Administration
PCB	Polychlorinated Biphenyl
ppb v	Parts per billion by volume
ppmC	Parts per million Carbon
PSU	Practical Salinity Unit
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
SM	Standard Method
SPLP	Synthetic Precipitation Leaching Procedure
STLC	Soluble Threshold Limit Concentration
TCLP	Toxicity Characteristic Leaching Procedure
TPH	Total Petroleum Hydrocarbons
TTLc	Total Threshold Limit Concentrations
ug/kg	Micrograms per Kilogram
ug/L	Micrograms per Liter
ug/m3	Micrograms per cubic meter
WET	Waste Extraction Test
Y	Yes
ZHE	Zero Headspace Extraction

