2019 ANNUAL AIR & WIPE SAMPLING – POLYCHLORINATED BIPHENYLS

Juan Cabrillo Elementary School
Buildings E and F
30237 Morning View Drive
Malibu, California 90265

Prepared for:

Santa Monica-Malibu Unified School District
Facilities Improvements Projects
2828 4th Street
Santa Monica, California 90405

Project No.: SMSD-18-8201
Reported Date: October 22, 2019

Alta Environmental
3777 Long Beach Boulevard Annex Building
Long Beach CA 90807 United States of America
T (562) 495 5777 F (562) 495 5877
Toll-free (US only) 800 777-0605 altaenviron.com

EXECUTIVE SUMMARY

On behalf of the Santa Monica-Malibu Unified School District (District), Alta Environmental (Alta) has prepared this report summarizing the annual 2019 sampling activities completed for select buildings within the Juan Cabrillo Elementary School campus, located at 30237 Morning View 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 Buildings E and F.

Based on the finding of our investigation, concentrations of PCBs were not detected in the air and surface wipe samples collected and analyzed during the 2019 Annual sampling event.

CONTENTS

REPORTED: October 24, 2019 **PROJECT NO.:** SMSD-18-8201

CLIENT: Santa Monica-Malibu Unified School District
Facility Improvements Projects
2828 4th Street
Santa Monica, California 90405

ATTENTION: Mr. Carey Upton

REF: Annual PCB Sampling Report
Juan Cabrillo Elementary School
30237 Morning View Drive
Malibu, CA, 90265

1 PROJECT BACKGROUND

The Santa Monica-Malibu Unified School District (District) retained Alta Environmental (Alta) to conduct annual air and wipe sampling services for Juan Cabrillo Elementary School, located at 30237 Morning View Drive, Malibu, CA 90265. This report presents the findings of our October 2019 sampling event.

2 PURPOSE OF INSPECTION AND SAMPLING

The objective of the annual 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 Juan Cabrillo Elementary School campus.

3 SCOPE OF SERVICES

During the course of our investigation, Alta collected a total of 11 air samples (including 1 field-blank and 1 ambient sample) and a total of 29 wipe samples (including 1 field-blank and 1 duplicate sample).

4 METHODOLOGY

4.1 Air Sampling

Alta deployed air sampling units at various locations within Buildings E (1 sample) and F (8 samples). Figures depicting the air sample locations are presented as Appendix A.

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, without the use of pre-filters. Following collection, each sample was properly packaged, labeled, and recorded on a chain-of-custody for transported to American Environmental Testing Laboratory. Samples were analyzed for PCBs using EPA Method TO-10A.

4.2 Wipe Sampling

Alta conducted wipe sampling at various locations within Buildings E (4 samples) and F (24 samples). Figures depicting the air sample locations are presented as Appendix A.

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. Following collection, each sample was properly packaged, labeled, and recorded on a chain-of-custody for transport to American Environmental Testing Laboratory. All samples were prepared for analysis by the laboratory using EPA Method 3540 (Soxhlet extraction) and were analyzed for PCBs using EPA Method 8082A.

5 RESULTS

The following presents a summary of the analytical results for the air and wipe samples collected during this investigation. Additional details, including identification of the individual rooms and the surfaces sampled within each building are provided in Appendix B – Sample Inventories. Appendix C presents a copy of the laboratory analytical report.

5.1 Air Sampling

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

5.2 Wipe Sampling

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

6 QUALITY CONTROL

Quality control (QC) duplicate and field-blank samples were collected during this investigation as methods to evaluate sampling and analytical precision. Alta collected one duplicate and two field-blank sample during the course of this investigation. Laboratory results of the QC samples were reported within acceptable limits.

Laboratory analysis of the air samples was completed by American Environmental Testing Laboratory, located at 2834 North Naomi St. Burbank, California 91504. American Environmental Testing Laboratory is a California state-certified environmental testing laboratory. 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 CONCLUSIONS

Concentrations PCBs were not detected above the laboratory detection limits in any of the air sample or wipe samples collected during this investigation.

8 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 Alta'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. Alta 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, Alta 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, Alta accepts no responsibility for any deficiencies, omissions, misrepresentations, or fraudulent acts of persons interviewed.

Alta will not accept any liability for loss, injury claim, or damage arising directly or indirectly from any use or reliance on this report. Alta 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.

Alta Environmental' 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 SIGNATORY

Respectfully submitted by:

Alta Environmental

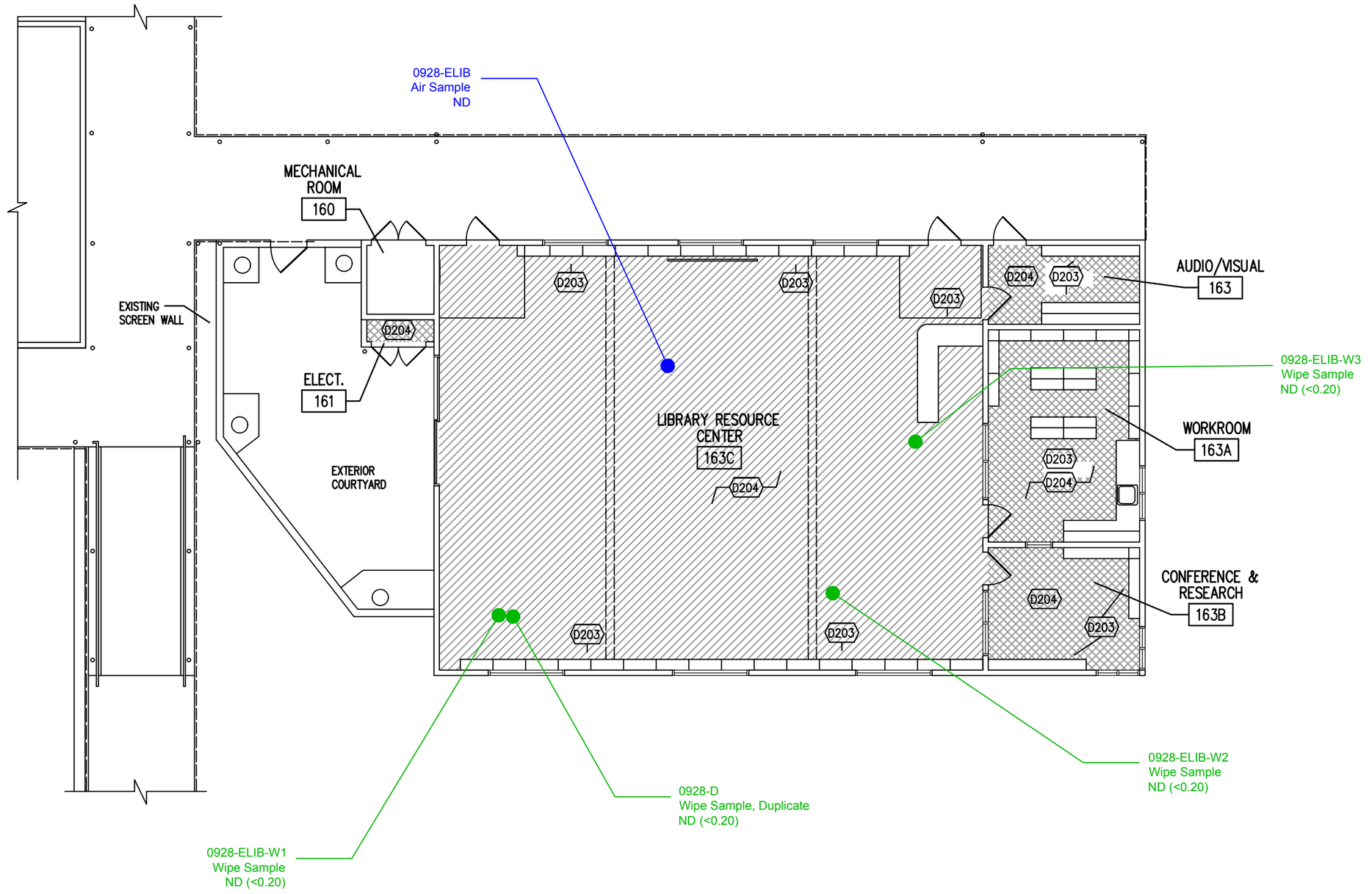
Jonathan Barkman
Project Manager

Reviewed:

Alta Environmental

David R. Schack
Vice President, Building Sciences

Appendix A
Figures



Legend

- Air Sample
- Wipe Sample

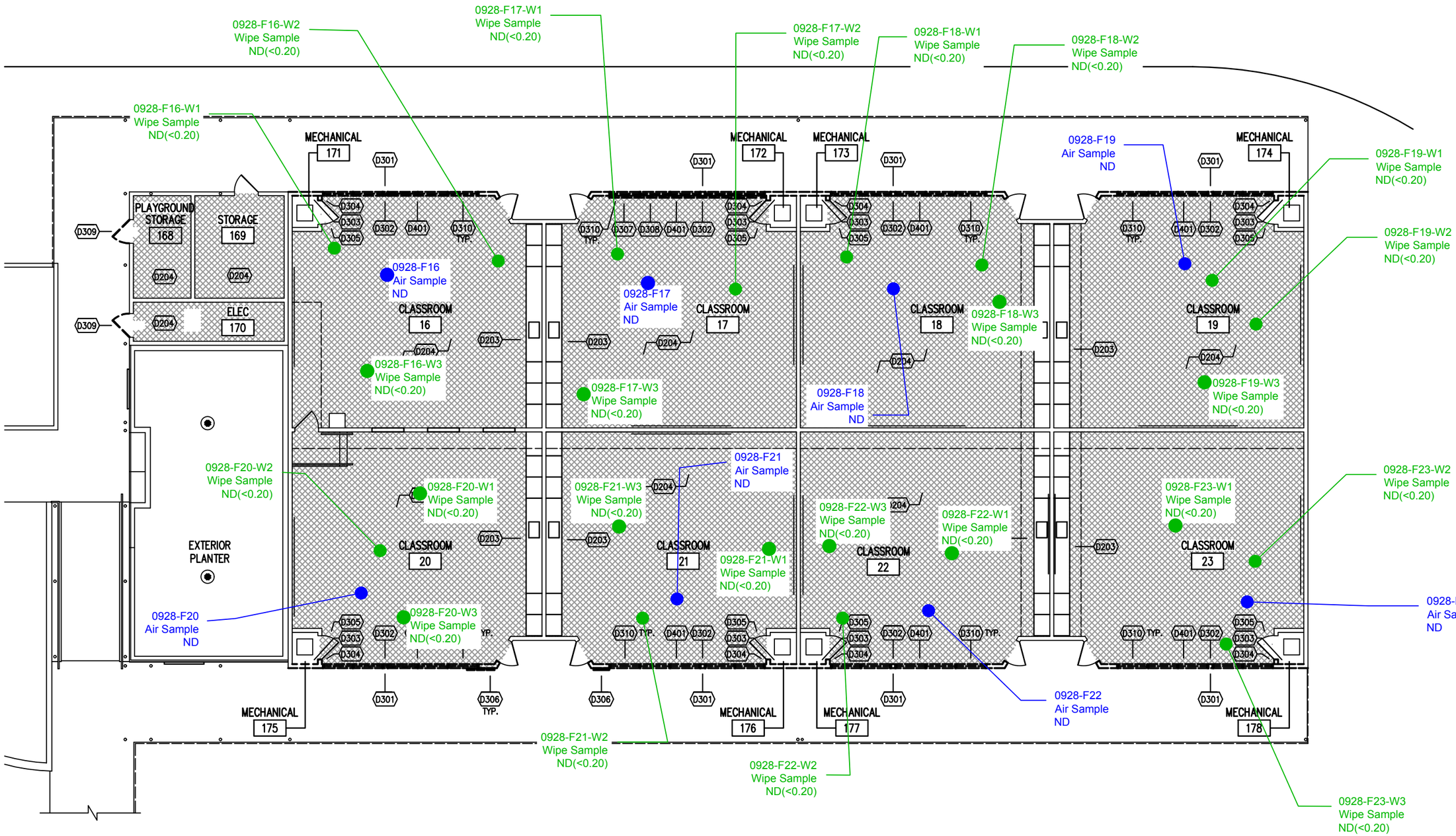
Sample Location Map - Building E - Yearly Sampling

Juan Cabrillo Elementary School
30237 Morning View Drive
Malibu, California

N

ALTA ENVIRONMENTAL
AN NV5 COMPANY
3777 Long Beach Blvd. Annex Bldg. Long Beach, California 90807
P: (562) 495-5777 ◆ F: (562) 495-5877 ◆ www.altaenviron.com

DATE: OCTOBER 2019 | Project No.: SMSD-18-8201



Legend

- Air Sample
- Wipe Sample

Sample Location Map - Building F - Yearly Sampling

Juan Cabrillo Elementary School
30237 Morning View Drive
Malibu, California

N

ALTA ENVIRONMENTAL
AN NV5 COMPANY
3777 Long Beach Blvd. Annex Bldg. Long Beach, California 90807
P: (562) 495-5777 ◆ F: (562) 495-5877 ◆ www.altaenviron.com

DATE: OCTOBER 2019 | Project No.: SMSD-18-8201

Appendix B
Sample Inventories

Surface Wipe Sampling Results
Juan Cabrillo Elemnetary School
Annual Testing - 2019

CLIENT: SMMUSD
PROJECT NO: SMSD-18-8201
PROJECT: Juan Cabrillo Elementary School - 2019

Building	Room Placard ID	Room Description	Component Description	Sampling Date	Sample ID	Total PCBs (µg/100cm^2)
E	Library	Library	Desk - Laminate	9/28/2019	0928-ELIB-W1	ND (<0.20)
			Bookshelf - Wood		0928-ELIB-W2	ND (<0.20)
			Desk - Laminate		0928-ELIB-W3	ND (<0.20)
			Desk - Laminate		0928-D (duplicate of ELIB-W1)	ND (<0.20)
F	16	Classroom	Desk - Laminate	9/28/2019	0928-F16-W1	ND (<0.20)
			Floor - Vinyl Tile		0928-F16-W2	ND (<0.20)
			Desk - Wood		0928-F16-W3	ND (<0.20)
	17	Classroom	Desk - Laminate		0928-F17-W1	ND (<0.20)
			Countertop - Laminate		0928-F17-W2	ND (<0.20)
			Floor - Vinyl Tile		0928-F17-W3	ND (<0.20)
	18	Classroom	Desk - Laminate		0928-F18-W1	ND (<0.20)
			Floor - Vinyl Tile		0928-F18-W2	ND (<0.20)
			Countertop - Laminate		0928-F18-W3	ND (<0.20)
	19	Classroom	Desk - Laminate		0928-F19-W1	ND (<0.20)
			Floor - Vinyl Tile		0928-F19-W2	ND (<0.20)
			Countertop - Laminate		0928-F19-W3	ND (<0.20)
	20	Classroom	Desk - Laminate		0928-F20-W1	ND (<0.20)
			Floor - Vinyl Tile		0928-F20-W2	ND (<0.20)
			Countertop - Laminate		0928-F20-W3	ND (<0.20)
	21	Classroom	Desk - Laminate		0928-F21-W1	ND (<0.20)
			Floor - Vinyl Tile		0928-F21-W2	ND (<0.20)
			Countertop - Laminate		0928-F21-W3	ND (<0.20)
	22	Classroom	Countertop - Laminate		0928-F22-W1	ND (<0.20)
			Desk - Laminate		0928-F22-W2	ND (<0.20)
			Floor - Vinyl Tile		0928-F22-W3	ND (<0.20)
	23	Classroom	Desk - Laminate		0928-F23-W1	ND (<0.20)
			Floor - Vinyl Tile		0928-F23-W2	ND (<0.20)
			Countertop - Laminate		0928-F23-W3	ND (<0.20)
Field Blank			Field Blank	9/28/2019	0928-Q1	ND (<0.20)

Notes:

µg/100cm^2 = microgram per 100 square centimeters
PCB = polychlorinated biphenyl
ND = Compound was not detected above the laboratory reporting limit

Air Sampling Results
Juan Cabrillo Elemnetary School
Annual Testing - 2019

CLIENT: SMMUSD
PROJECT NO: SMSD-18-8201
PROJECT: Juan Cabrillo Elementary School - 2019
Date: 10/23/2019

Building	Room Placard ID	Room Description	Sampling Date[a]	Sample ID	Total PCBs (ng/m^3)
E	Library	Library	9/28/2019	0928-ELIB	ND
F	16	Classroom		0928-F16	ND
	17	Classroom		0928-F17	ND
	18	Classroom		0928-F18	ND
	19	Classroom		0928-F19	ND
	20	Classroom		0928-F20	ND
	21	Classroom		0928-F21	ND
	22	Classroom		0928-F22	ND
	23	Classroom		0928-F23	ND
Ambient	NA	NA		0928-A	ND
Field blank	NA	NA		0928-Blank	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.

Abbreviations:

ng/m^3 = nanograms per cubic meter
ND = Compound was not detected above the laboratory reporting limit
NA = Not Applicable

Appendix C
Laboratory Reports

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Ordered By

Alta Environmental
3777 Long Beach Boulevard Annex Building
Long Beach, CA 90807-

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

Number of Pages 12
Date Received 10/01/2019
Date Reported 10/11/2019

Job Number	Order Date	Client
101369	10/01/2019	ALTA

Project ID: SMSD-18-8201
Project Name: Malibu Quarterly PCB Air&Wipe
Site: Juan Cabrillo ES
30237 Morning View Dr.
Malibu, CA 90265

Enclosed please find results of analyses of 29 wipe and 11 gaseous 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 DHS # 1541 LACSD# 10181
TEL (888) 288-AETL (818) 845-8200 FAX (818) 845-8840 www.aetlab.com

CHAIN OF CUSTODY RECORD

115869

AETL JOB No. 101369

COMPANY: ALTA Environmental
PROJECT MANAGER: Jonathan Barkman
COMPANY ADDRESS: 3777 Long Beach Blvd, Annex Bldg
PHONE:
FAX:
PROJECT NAME: Malibu Quarterly PCB AIR & WIPE Sampling
PROJECT #: SMSD-18-8201
SITE NAME AND ADDRESS: Juan Cabrillo ES
PO #:
30237 Morning View Dr, Malibu, CA 90265

	SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	EPA 8082	SONNET Extraction	TEST INSTRUCTIONS & COMMENTS
1	0928-F16-W1	101369.01	9/28/19	0735	WIPE	1	ICE	X	X	10cm²
2	0928-F16-W2	101369.02	9/28/19	0737	WIPE	1	ICE	X	X	10cm²
3	0928-F16-W3	101369.03	9/28/19	0740	WIPE	1	ICE	X	X	10cm²
4	0928-F17-W1	101369.04	9/28/19	0746	WIPE	1	ICE	X	X	10cm²
5	0928-F17-W2	101369.05	9/28/19	0749	WIPE	1	ICE	X	X	10cm²
6	0928-F17-W3	101369.06	9/28/19	0755	WIPE	1	ICE	X	X	10cm²
7	0928-F18-W1	101369.07	9/28/19	0805	WIPE	1	ICE	X	X	10cm²
8	0928-F18-W2	101369.08	9/28/19	0810	WIPE	1	ICE	X	X	10cm²
9	0928-F18-W3	101369.09	9/28/19	0815	WIPE	1	ICE	X	X	10cm²
10	0928-F19-W1	101369.10	9/28/19	0822	WIPE	1	ICE	X	X	10cm²
11	0928-F19-W2	101369.11	9/28/19	0827	WIPE	1	ICE	X	X	10cm²
12	0928-F19-W3	101369.12	9/28/19	0834	WIPE	1	ICE	X	X	10cm²
13	0928-F20-W1	101369.13	9/28/19	0845	WIPE	1	ICE	X	X	10cm²
14	0928-F20-W2	101369.14	9/28/19	0852	WIPE	1	ICE	X	X	10cm²
15	0928-F20-W3	101369.15	9/28/19	0901	WIPE	1	ICE	X	X	10cm²

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY

TOTAL NUMBER OF CONTAINERS	15	PROPERLY COOLED Y / N / NA	
CUSTODY SEALS Y / N / NA		SAMPLES INTACT Y/ N / NA	
RECEIVED IN GOOD COND. Y / N		SAMPLES ACCEPTED Y / N	

TURN AROUND TIME

- [X] NORMAL
- [ ] RUSH
  - [ ] SAME DAY
  - [ ] NEXT DAY
  - [ ] 2 DAYS
  - [ ] 3 DAYS

DATA DELIVERABLE REQUIRED

- [ ] HARD COPY
- [ ] PDF
- [ ] GEOTRACKER (GLOBAL ID) _____
- [ ] OTHER (PLEASE SPECIFY) _____

RELINQUISHED BY SAMPLER: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature:	Signature:	Signature:
Printed Name: DIANE ARREDONDO	Printed Name:	Printed Name:
Date: 10/1/19 Time: 0900	Date: Time:	Date: 10/1/19 Time: 1115
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY LABORATORY: 3.**
Signature:	Signature:	Signature:
Printed Name:	Printed Name:	Printed Name:
Date: 10/1/19 Time: 0900	Date: Time:	Date: 10/1/19 Time: 1115

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

AMERICAN ENVIRONMENTAL TESTING LABORATORY
2834 NORTH NAOMI ST. BURBANK, CALIFORNIA 91504 DHS # 1541 LACSD# 10181
TEL (888) 288-AETL (818) 845-8200 FAX (818) 845-8840 www.aetlab.com

CHAIN OF CUSTODY RECORD

115871

AETL JOB No. 101369

COMPANY: ALTA Environmental
PROJECT MANAGER: Jonathan Barkman
COMPANY ADDRESS: 3777 Long Beach Blvd Annex Bldg, Long Beach CA 90807
PHONE / FAX:
PROJECT NAME: Malibu Quarterly RAB AAR & Wipe Sampling
PROJECT #: SMSO-18-8201
SITE NAME AND ADDRESS: Juan Cabrillo Elementary School
PO #:

	SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	ANALYSIS REQUESTED: EPA 8082	ANALYSIS REQUESTED: SOXhlet Extraction	TEST INSTRUCTIONS & COMMENTS
1	0928-F21-W1	101369.16	9/28/19	0908	WIPE	1	ICE	X	X	10cm²
2	0928-F21-W2	101369.17	9/28/19	0910	WIPE	1	ICE	X	X	10cm²
3	0928-F21-W3	101369.18	9/28/19	0912	WIPE	1	ICE	X	X	10cm²
4	0928-F22-W1	101369.19	9/28/19	0920	WIPE	1	ICE	X	X	10cm²
5	0928-F22-W2	101369.20	9/28/19	0922	WIPE	1	ICE	X	X	10cm²
6	0928-F22-W3	101369.21	9/28/19	0925	WIPE	1	ICE	X	X	10cm²
7	0928-F23-W1	101369.22	9/28/19	0930	WIPE	1	ICE	X	X	10cm²
8	0928-F23-W2	101369.23	9/28/19	0935	WIPE	1	ICE	X	X	10cm²
9	0928-F23-W3	101369.24	9/28/19	0940	WIPE	1	ICE	X	X	10cm²
10	0928-EL1B-W1	101369.25	9/28/19	0944	WIPE	1	ICE	X	X	10cm²
11	0928-EL1B-W2	101369.26	9/28/19	0949	WIPE	1	ICE	X	X	10cm²
12	0928-EL1B-W3	101369.27	9/28/19	0952	WIPE	1	ICE	X	X	10cm²
13	~~0928-DUP-W1~~									
14	DUP-02 9/28/19									
15										

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY

TOTAL NUMBER OF CONTAINERS	12	PROPERLY COOLED (Y) N / NA	
CUSTODY SEALS Y (N) / NA		SAMPLES INTACT (Y) N / NA	
RECEIVED IN GOOD COND. (Y) / N		SAMPLES ACCEPTED (Y) N	

TURN AROUND TIME

☒ NORMAL ☐ RUSH ☐ SAME DAY ☐ NEXT DAY ☐ 2 DAYS ☐ 3 DAYS

DATA DELIVERABLE REQUIRED

☐ HARD COPY ☐ PDF ☐ GEOTRACKER (GLOBAL ID) _____ ☐ OTHER (PLEASE SPECIFY) _____

RELINQUISHED BY SAMPLER 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature:	Signature:	Signature:
Printed Name: DIANE ARREDONDO	Printed Name:	Printed Name:
Date: 10/1/19 Time: 0900	Date: Time:	Date: 10/1/19 Time: 1115
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY LABORATORY: AETL 3.**
Signature:	Signature:	Signature:
Printed Name:	Printed Name:	Printed Name: Sergey
Date: 10/1/19 Time: 0900	Date: Time:	Date: 10/1/19 Time: 1115

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

AMERICAN ENVIRONMENTAL TESTING LABORATORY
2834 NORTH NAOMI ST. BURBANK, CALIFORNIA 91504 DHS # 1541 LACSD# 10181
TEL (888) 288-AETL (818) 845-8200 FAX (818) 845-8840 www.aetlab.com

CHAIN OF CUSTODY RECORD

115870

AETL JOB No. 101369

COMPANY: ALTA Environmental
PROJECT MANAGER: Jonathan Buckman
COMPANY ADDRESS: 3777 Long Beach Blvd, Annex Bldg
PHONE:
FAX:
PROJECT NAME: Malibu PCB Quarterly Air & WIPE sampling
PROJECT #: SMS018-8201
SITE NAME AND ADDRESS: Juan Cabrillo Elementary School
PO #:

	SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	ANALYSIS REQUESTED: EPA 8082	ANALYSIS REQUESTED: Soxhlet extraction	TEST INSTRUCTIONS & COMMENTS
1	0928-F16	101369.28	9/28/19	0954	AIR	1	ICE	X	X	7225 L
2	0928-F17	101369.29	9/28/19	0955	AIR	1	ICE	X	X	7225 L
3	0928-F18	101369.30	9/28/19	0956	AIR	1	ICE	X	X	7240 L
4	0928-F19	101369.31	9/28/19	0957	AIR	1	ICE	X	X	7225 L
5	0928-F20	101369.32	9/28/19	1003	AIR	1	ICE	X	X	7225 L
6	0928-F21	101369.33	9/28/19	1001	AIR	1	ICE	X	X	7225 L
7	0928-F22	101369.34	9/28/19	1000	AIR	1	ICE	X	X	7235 L
8	0928-F23	101369.35	9/28/19	0959	AIR	1	ICE	X	X	7230 L
9	0928-ELIB	101369.36	9/28/19	1003	AIR	1	ICE	X	X	7235 L
10	~~0935-A~~		9/28/19							~~7235 L~~ 9/28/19
11										
12										
13										
14										
15										

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY

TOTAL NUMBER OF CONTAINERS	9	PROPERLY COOLED (Y) / N / NA	
CUSTODY SEALS Y / (N) / NA		SAMPLES INTACT (Y) / N / NA	
RECEIVED IN GOOD COND. (Y) / N		SAMPLES ACCEPTED (Y) / N	

TURN AROUND TIME

☒ NORMAL ☐ RUSH ☐ SAME DAY ☐ NEXT DAY ☐ 2 DAYS ☐ 3 DAYS

DATA DELIVERABLE REQUIRED

☐ HARD COPY ☐ PDF ☐ GEOTRACKER (GLOBAL ID) _____ ☐ OTHER (PLEASE SPECIFY) _____

	RELINQUISHED BY SAMPLER: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature:			
Printed Name:	DIANE ARREOLA		
Date:	10/1/19		
Time:	0900		

	RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY LABORATORY: AETL 3.
Signature:			
Printed Name:			Sergey
Date:	10/1/19		10/1/19
Time:	0900		1115

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

AMERICAN ENVIRONMENTAL TESTING LABORATORY
2834 NORTH NAOMI ST. BURBANK, CALIFORNIA 91504 DHS # 1541 LACSD# 10181
TEL (888) 288-AETL (818) 845-8200 FAX (818) 845-8840 www.aetlab.com

CHAIN OF CUSTODY RECORD

115874

COMPANY: ALTA Environmental
PROJECT MANAGER: Jonathan Barkman
COMPANY ADDRESS: 3777 Long Beach Blvd, Annex Bldg, Long Beach CA 90807
PHONE:
FAX:
PROJECT NAME: Malibu Quarterly PCB AIR & WIPE Sampling
PROJECT #: SMSP-18-8201
SITE NAME AND ADDRESS: Juan Cabrillo Elementary School
PO #:

AETL JOB No. 101369

Page 4 of 4

	SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	ANALYSIS REQUESTED: EPA 8082	ANALYSIS REQUESTED: Soxhlet Extraction	TEST INSTRUCTIONS & COMMENTS
1	0928-A	101369-37	9/28/19	1002	AIR	1	ICE	X	X	7225L
2	0928-Q1	101369-38	9/28/19	1000	WIPE	1	ICE	X	X	Field Blank
3	0928-D	101369-39	9/28/19	0945	WIPE	1	ICE	X	X	Duplicate of 0928-FLIB-W1
4	0928-Blank	101369-40	9/28/19	—	AIR	1	ICE	X	X	Field Blank
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY

TOTAL NUMBER OF CONTAINERS	4	PROPERLY COOLED (Y) / N / NA	
CUSTODY SEALS Y (N) / NA		SAMPLES INTACT (Y) N / NA	
RECEIVED IN GOOD COND. (Y) N		SAMPLES ACCEPTED (Y) / N	

TURN AROUND TIME

- [X] NORMAL
- [ ] RUSH
  - [ ] SAME DAY
  - [ ] NEXT DAY
  - [ ] 2 DAYS
  - [ ] 3 DAYS

DATA DELIVERABLE REQUIRED

- [ ] HARD COPY
- [ ] PDF
- [ ] GEOTRACKER (GLOBAL ID) _____
- [ ] OTHER (PLEASE SPECIFY) _____

RELINQUISHED BY SAMPLER: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature:	Signature:	Signature:
Printed Name: DIANE ARREDONDO	Printed Name:	Printed Name:
Date: 10/1/19 Time: 0900	Date: Time:	Date: 10/1/19 Time: 1115
RECEIVED BY: 1.	**RECEIVED BY:** 2.	**RECEIVED BY LABORATORY:** AETL 3.
Signature:	Signature:	Signature:
Printed Name:	Printed Name:	Printed Name: Sergey
Date: 10/1/19 Time: 0900	Date: Time:	Date: 10/1/19 Time: 1115

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

AMERICAN ENVIRONMENTAL TESTING LABORATORY
2834 NORTH NAOMI ST. BURBANK, CALIFORNIA 91504 DHS # 1541 LACSD# 10181
TEL (888) 288-AETL (818) 845-8200 FAX (818) 845-8840 www.aetlab.com

COOLER RECEIPT FORM

Client Name: Alta Enviromental

Project Name:

AETL Job Number: 101369

Date Received: 10/01/19 Received by: Sergey

Carrier: ☑ AETL Courier ☐ Client ☐ GSO ☐ FedEx ☐ UPS

☐ Others:

Samples were received in: ☑ Cooler (2) ☐ Other (Specify):

Inside temperature of shipping container No 1: 3.3°C, No 2: 3.2°C, No 3: ____

Type of sample containers: ☐ VOA, ☐ Glass bottles, ☑ Wide mouth jars, ☐ HDPE bottles, ☐ Metal sleeves, ☐ Others (Specify): ____

How are samples preserved: ☐ None, ☑ Ice , ☐ Blue Ice, ☐ Dry Ice

☑ None, ☐ HNO_3, ☐ NaOH, ☐ ZnOAc, ☐ HCl, ☐ $Na_2S_2O_3$, ☐ MeOH

☐ Other (Specify):

	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?	n/a		

PLEASE NOTE ALL SAMPLES WILL BE DISPOSED OF 90 DAYS AFTER RECEIVING DATE. IF AETL IS INFORMED OTHERWISE, THERE WILL BE A STORAGE CHARGE PER SAMPLE PER MONTH FOR ANY SAMPLE HELD BEYOND 90 DAYS.

Explain all "No" answers for above questions:

_____

_____

_____

_____

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Ordered By

Alta Environmental
3777 Long Beach Boulevard Annex Building
Long Beach, CA 90807-

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

Project ID: SMSD-18-8201
Date Received 10/01/2019
Date Reported 10/11/2019

Job Number	Order Date	Client
101369	10/01/2019	ALTA

CERTIFICATE OF ANALYSIS
CASE NARRATIVE

AETL received 40 samples with the following specification on 10/01/2019.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
101369.28	0928-F16	09/28/2019	Gaseous	1
101369.29	0928-F17	09/28/2019	Gaseous	1
101369.30	0928-F18	09/28/2019	Gaseous	1
101369.31	0928-F19	09/28/2019	Gaseous	1
101369.32	0928-F20	09/28/2019	Gaseous	1
101369.33	0928-F21	09/28/2019	Gaseous	1
101369.34	0928-F22	09/28/2019	Gaseous	1
101369.35	0928-F23	09/28/2019	Gaseous	1
101369.36	0928-EL1B	09/28/2019	Gaseous	1
101369.37	0928-A	09/28/2019	Gaseous	1
101369.40	0928-Blank	09/28/2019	Gaseous	1

Method ^ Submethod	Req Date	Priority	TAT	Units
TO-10A ^ PCB-NG/M3	10/08/2019	2	Normal	ng/m3

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
101369.01	0928-F16-W1	09/28/2019	Solid	1
101369.02	0928-F16-W2	09/28/2019	Solid	1
101369.03	0928-F16-W3	09/28/2019	Solid	1
101369.04	0928-F17-W1	09/28/2019	Solid	1
101369.05	0928-F17-W2	09/28/2019	Solid	1
101369.06	0928-F17-W3	09/28/2019	Solid	1
101369.07	0928-F18-W1	09/28/2019	Solid	1
101369.08	0928-F18-W2	09/28/2019	Solid	1
101369.09	0928-F18-W3	09/28/2019	Solid	1
101369.10	0928-F19-W1	09/28/2019	Solid	1

Continued

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Ordered By

Alta Environmental
3777 Long Beach Boulevard Annex Building
Long Beach, CA 90807-

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

Project ID: SMSD-18-8201
Date Received 10/01/2019
Date Reported 10/11/2019

Job Number	Order Date	Client
101369	10/01/2019	ALTA

CERTIFICATE OF ANALYSIS
CASE NARRATIVE

101369.11	0928-F19-W2	09/28/2019	Solid	1
101369.12	0928-F19-W3	09/28/2019	Solid	1
101369.13	0928-F20-W1	09/28/2019	Solid	1
101369.14	0928-F20-W2	09/28/2019	Solid	1
101369.15	0928-F20-W3	09/28/2019	Solid	1
101369.16	0928-F21-W1	09/28/2019	Solid	1
101369.17	0928-F21-W2	09/28/2019	Solid	1
101369.18	0928-F21-W3	09/28/2019	Solid	1
101369.19	0928-F22-W1	09/28/2019	Solid	1
101369.20	0928-F22-W2	09/28/2019	Solid	1
101369.21	0928-F22-W3	09/28/2019	Solid	1
101369.22	0928-F23-W1	09/28/2019	Solid	1
101369.23	0928-F23-W2	09/28/2019	Solid	1
101369.24	0928-F23-W3	09/28/2019	Solid	1
101369.25	0928-EL1B-W1	09/28/2019	Solid	1
101369.26	0928-EL1B-W2	09/28/2019	Solid	1
101369.27	0928-EL1B-W3	09/28/2019	Solid	1
101369.38	0928-Q1	09/28/2019	Solid	1
101369.39	0928-D	09/28/2019	Solid	1

Method ^ Submethod	*Req Date*	*Priority*	*TAT*	*Units*
(8082) ^ WIPE-2	10/08/2019	2	Normal	ug/100cm2

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

Checked By: _____ Approved By: _____

Joe Sevrean
Laboratory Director

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Alta Environmental
3777 Long Beach Boulevard
Annex Building
Long Beach, CA 90807-

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

Site

Juan Cabrillo ES
30237 Morning View Dr.
Malibu, CA 90265

Page: **2**

Project ID: SMSD-18-8201
Project Name: Malibu Quarterly PCB Air&Wipe

AETL Job Number	Submitted	Client
101369	10/01/2019	ALTA

Method: TO-10A, PCB Compounds in Ambient Air using Low Volume Sampling

QC Batch No: 100419ZB1

Our Lab I.D.			Method Blank	101369.28	101369.29	101369.30	101369.31
Client Sample I.D.				0928-F16	0928-F17	0928-F18	0928-F19
Date Sampled				09/28/2019	09/28/2019	09/28/2019	09/28/2019
Date Prepared			10/04/2019	10/04/2019	10/04/2019	10/04/2019	10/04/2019
Preparation Method			3540C	3540C	3540C	3540C	3540C
Date Analyzed			10/07/2019	10/07/2019	10/07/2019	10/07/2019	10/07/2019
Matrix			Gaseous	Gaseous	Gaseous	Gaseous	Gaseous
Units			ng/m3	ng/m3	ng/m3	ng/m3	ng/m3
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Aroclor-1016 (PCB-1016)	14	14	ND	ND	ND	ND	ND
Aroclor-1221 (PCB-1221)	28	28	ND	ND	ND	ND	ND
Aroclor-1232 (PCB-1232)	14	14	ND	ND	ND	ND	ND
Aroclor-1242 (PCB-1242)	14	14	ND	ND	ND	ND	ND
Aroclor-1248 (PCB-1248)	14	14	ND	ND	ND	ND	ND
Aroclor-1254 (PCB-1254)	14	14	ND	ND	ND	ND	ND
Aroclor-1260 (PCB-1260)	14	14	ND	ND	ND	ND	ND
Aroclor-1262 (PCB-1262)	14	14	ND	ND	ND	ND	ND
Aroclor-1268 (PCB-1268)	14	14	ND	ND	ND	ND	ND
Our Lab I.D.			Method Blank	101369.28	101369.29	101369.30	101369.31
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Decachlorobiphenyl	30-150		111	108	106	105	111
Tetrachloro-m-xylene	30-150		104	101	95.6	90.2	105

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Alta Environmental
3777 Long Beach Boulevard
Annex Building
Long Beach, CA 90807-

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

Site

Juan Cabrillo ES
30237 Morning View Dr.
Malibu, CA 90265

Page: **3**

Project ID: SMSD-18-8201
Project Name: Malibu Quarterly PCB Air&Wipe

AETL Job Number	Submitted	Client
101369	10/01/2019	ALTA

Method: TO-10A, PCB Compounds in Ambient Air using Low Volume Sampling

QC Batch No: 100419ZB1

Our Lab I.D.			101369.32	101369.33	101369.34	101369.35	101369.36
Client Sample I.D.			0928-F20	0928-F21	0928-F22	0928-F23	0928-EL1B
Date Sampled			09/28/2019	09/28/2019	09/28/2019	09/28/2019	09/28/2019
Date Prepared			10/04/2019	10/04/2019	10/04/2019	10/04/2019	10/04/2019
Preparation Method			3540C	3540C	3540C	3540C	3540C
Date Analyzed			10/07/2019	10/07/2019	10/07/2019	10/07/2019	10/07/2019
Matrix			Gaseous	Gaseous	Gaseous	Gaseous	Gaseous
Units			ng/m3	ng/m3	ng/m3	ng/m3	ng/m3
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Aroclor-1016 (PCB-1016)	14	14	ND	ND	ND	ND	ND
Aroclor-1221 (PCB-1221)	28	28	ND	ND	ND	ND	ND
Aroclor-1232 (PCB-1232)	14	14	ND	ND	ND	ND	ND
Aroclor-1242 (PCB-1242)	14	14	ND	ND	ND	ND	ND
Aroclor-1248 (PCB-1248)	14	14	ND	ND	ND	ND	ND
Aroclor-1254 (PCB-1254)	14	14	ND	ND	ND	ND	ND
Aroclor-1260 (PCB-1260)	14	14	ND	ND	ND	ND	ND
Aroclor-1262 (PCB-1262)	14	14	ND	ND	ND	ND	ND
Aroclor-1268 (PCB-1268)	14	14	ND	ND	ND	ND	ND
Our Lab I.D.			**101369.32**	**101369.33**	**101369.34**	**101369.35**	**101369.36**
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Decachlorobiphenyl	30-150		118	113	113	103	107
Tetrachloro-m-xylene	30-150		123	106	92.6	92.6	88.0

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Alta Environmental
3777 Long Beach Boulevard
Annex Building
Long Beach, CA 90807-

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

Site

Juan Cabrillo ES
30237 Morning View Dr.
Malibu, CA 90265

Page: **4**

Project ID: SMSD-18-8201
Project Name: Malibu Quarterly PCB Air&Wipe

AETL Job Number	Submitted	Client
101369	10/01/2019	ALTA

Method: TO-10A, PCB Compounds in Ambient Air using Low Volume Sampling

QC Batch No: 100419ZB1

Our Lab I.D.			**101369.37**	**101369.40**			
Client Sample I.D.			0928-A	0928-Blank			
Date Sampled			09/28/2019	09/28/2019			
Date Prepared			10/04/2019	10/04/2019			
Preparation Method			3540C	3540C			
Date Analyzed			10/07/2019	10/07/2019			
Matrix			Gaseous	Gaseous			
Units			ng/m3	ng/m3			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Aroclor-1016 (PCB-1016)	14	14	ND	ND			
Aroclor-1221 (PCB-1221)	28	28	ND	ND			
Aroclor-1232 (PCB-1232)	14	14	ND	ND			
Aroclor-1242 (PCB-1242)	14	14	ND	ND			
Aroclor-1248 (PCB-1248)	14	14	ND	ND			
Aroclor-1254 (PCB-1254)	14	14	ND	ND			
Aroclor-1260 (PCB-1260)	14	14	ND	ND			
Aroclor-1262 (PCB-1262)	14	14	ND	ND			
Aroclor-1268 (PCB-1268)	14	14	ND	ND			
Our Lab I.D.			**101369.37**	**101369.40**			
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**			
Decachlorobiphenyl	30-150		104	104			
Tetrachloro-m-xylene	30-150		109	95.6			

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Alta Environmental
3777 Long Beach Boulevard
Annex Building
Long Beach, CA 90807-

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

Site

Juan Cabrillo ES
30237 Morning View Dr.
Malibu, CA 90265

Page: **5**

Project ID: SMSD-18-8201
Project Name: Malibu Quarterly PCB Air&Wipe

AETL Job Number	Submitted	Client
101369	10/01/2019	ALTA

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

QC Batch No: 100119ZB1

Our Lab I.D.			Method Blank	101369.01	101369.02	101369.03	101369.04
Client Sample I.D.				0928-F16-W1	0928-F16-W2	0928-F16-W3	0928-F17-W1
Date Sampled				09/28/2019	09/28/2019	09/28/2019	09/28/2019
Date Prepared			10/01/2019	10/01/2019	10/01/2019	10/01/2019	10/01/2019
Preparation Method			3540C	3540C	3540C	3540C	3540C
Date Analyzed			10/02/2019	10/02/2019	10/02/2019	10/02/2019	10/02/2019
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)	0.10	0.10	ND	ND	ND	ND	ND
Aroclor-1221 (PCB-1221)	0.10	0.10	ND	ND	ND	ND	ND
Aroclor-1232 (PCB-1232)	0.10	0.10	ND	ND	ND	ND	ND
Aroclor-1242 (PCB-1242)	0.10	0.10	ND	ND	ND	ND	ND
Aroclor-1248 (PCB-1248)	0.10	0.10	ND	ND	ND	ND	ND
Aroclor-1254 (PCB-1254)	0.10	0.10	ND	ND	ND	ND	ND
Aroclor-1260 (PCB-1260)	0.10	0.10	ND	ND	ND	ND	ND
Aroclor-1262 (PCB-1262)	0.10	0.10	ND	ND	ND	ND	ND
Aroclor-1268 (PCB-1268)	0.10	0.10	ND	ND	ND	ND	ND
Our Lab I.D.			Method Blank	101369.01	101369.02	101369.03	101369.04
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Decachlorobiphenyl	30-150		111	68.4	83.4	75.2	76.2
Tetrachloro-m-xylene	30-150		93.8	67.2	62.4	58.2	62.6

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Alta Environmental
3777 Long Beach Boulevard
Annex Building
Long Beach, CA 90807-

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

Site

Juan Cabrillo ES
30237 Morning View Dr.
Malibu, CA 90265

Page: 6

Project ID: SMSD-18-8201
Project Name: Malibu Quarterly PCB Air&Wipe

AETL Job Number	Submitted	Client
101369	10/01/2019	ALTA

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

QC Batch No: 100119ZB1

Our Lab I.D.			101369.05	101369.06	101369.07	101369.08	101369.09
Client Sample I.D.			0928-F17-W2	0928-F17-W3	0928-F18-W1	0928-F18-W2	0928-F18-W3
Date Sampled			09/28/2019	09/28/2019	09/28/2019	09/28/2019	09/28/2019
Date Prepared			10/01/2019	10/01/2019	10/01/2019	10/01/2019	10/01/2019
Preparation Method			3540C	3540C	3540C	3540C	3540C
Date Analyzed			10/02/2019	10/02/2019	10/02/2019	10/02/2019	10/02/2019
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)	0.10	0.10	ND	ND	ND	ND	ND
Aroclor-1221 (PCB-1221)	0.10	0.10	ND	ND	ND	ND	ND
Aroclor-1232 (PCB-1232)	0.10	0.10	ND	ND	ND	ND	ND
Aroclor-1242 (PCB-1242)	0.10	0.10	ND	ND	ND	ND	ND
Aroclor-1248 (PCB-1248)	0.10	0.10	ND	ND	ND	ND	ND
Aroclor-1254 (PCB-1254)	0.10	0.10	ND	ND	ND	ND	ND
Aroclor-1260 (PCB-1260)	0.10	0.10	ND	ND	ND	ND	ND
Aroclor-1262 (PCB-1262)	0.10	0.10	ND	ND	ND	ND	ND
Aroclor-1268 (PCB-1268)	0.10	0.10	ND	ND	ND	ND	ND
Our Lab I.D.			**101369.05**	**101369.06**	**101369.07**	**101369.08**	**101369.09**
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Decachlorobiphenyl	30-150		72.8	93.4	72.4	98.6	90.6
Tetrachloro-m-xylene	30-150		63.8	66.2	59.2	72.2	67.8

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Alta Environmental
3777 Long Beach Boulevard
Annex Building
Long Beach, CA 90807-

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

Site

Juan Cabrillo ES
30237 Morning View Dr.
Malibu, CA 90265

Page: **7**

Project ID: SMSD-18-8201
Project Name: Malibu Quarterly PCB Air&Wipe

AETL Job Number	Submitted	Client
101369	10/01/2019	ALTA

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

QC Batch No: 100119ZB1

Our Lab I.D.			101369.10	101369.11	101369.12	101369.13	101369.14
Client Sample I.D.			0928-F19-W1	0928-F19-W2	0928-F19-W3	0928-F20-W1	0928-F20-W2
Date Sampled			09/28/2019	09/28/2019	09/28/2019	09/28/2019	09/28/2019
Date Prepared			10/01/2019	10/01/2019	10/01/2019	10/01/2019	10/01/2019
Preparation Method			3540C	3540C	3540C	3540C	3540C
Date Analyzed			10/02/2019	10/02/2019	10/02/2019	10/02/2019	10/02/2019
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)	0.10	0.10	ND	ND	ND	ND	ND
Aroclor-1221 (PCB-1221)	0.10	0.10	ND	ND	ND	ND	ND
Aroclor-1232 (PCB-1232)	0.10	0.10	ND	ND	ND	ND	ND
Aroclor-1242 (PCB-1242)	0.10	0.10	ND	ND	ND	ND	ND
Aroclor-1248 (PCB-1248)	0.10	0.10	ND	ND	ND	ND	ND
Aroclor-1254 (PCB-1254)	0.10	0.10	ND	ND	ND	ND	ND
Aroclor-1260 (PCB-1260)	0.10	0.10	ND	ND	ND	ND	ND
Aroclor-1262 (PCB-1262)	0.10	0.10	ND	ND	ND	ND	ND
Aroclor-1268 (PCB-1268)	0.10	0.10	ND	ND	ND	ND	ND
Our Lab I.D.			**101369.10**	**101369.11**	**101369.12**	**101369.13**	**101369.14**
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Decachlorobiphenyl	30-150		93.4	118	79.4	104	115
Tetrachloro-m-xylene	30-150		64.4	85.0	63.0	93.8	71.2

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Alta Environmental
3777 Long Beach Boulevard
Annex Building
Long Beach, CA 90807-

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

Site

Juan Cabrillo ES
30237 Morning View Dr.
Malibu, CA 90265

Page: **8**

Project ID: SMSD-18-8201
Project Name: Malibu Quarterly PCB Air&Wipe

AETL Job Number	Submitted	Client
101369	10/01/2019	ALTA

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

QC Batch No: 100119ZB1

Our Lab I.D.			101369.15	101369.16	101369.17	101369.18	101369.19
Client Sample I.D.			0928-F20-W3	0928-F21-W1	0928-F21-W2	0928-F21-W3	0928-F22-W1
Date Sampled			09/28/2019	09/28/2019	09/28/2019	09/28/2019	09/28/2019
Date Prepared			10/01/2019	10/01/2019	10/01/2019	10/01/2019	10/01/2019
Preparation Method			3540C	3540C	3540C	3540C	3540C
Date Analyzed			10/02/2019	10/02/2019	10/02/2019	10/02/2019	10/02/2019
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)	0.10	0.10	ND	ND	ND	ND	ND
Aroclor-1221 (PCB-1221)	0.10	0.10	ND	ND	ND	ND	ND
Aroclor-1232 (PCB-1232)	0.10	0.10	ND	ND	ND	ND	ND
Aroclor-1242 (PCB-1242)	0.10	0.10	ND	ND	ND	ND	ND
Aroclor-1248 (PCB-1248)	0.10	0.10	ND	ND	ND	ND	ND
Aroclor-1254 (PCB-1254)	0.10	0.10	ND	ND	ND	ND	ND
Aroclor-1260 (PCB-1260)	0.10	0.10	ND	ND	ND	ND	ND
Aroclor-1262 (PCB-1262)	0.10	0.10	ND	ND	ND	ND	ND
Aroclor-1268 (PCB-1268)	0.10	0.10	ND	ND	ND	ND	ND
Our Lab I.D.			**101369.15**	**101369.16**	**101369.17**	**101369.18**	**101369.19**
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Decachlorobiphenyl	30-150		93.6	92.2	91.8	70.8	103
Tetrachloro-m-xylene	30-150		87.8	77.2	100	59.4	82.2

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Alta Environmental
3777 Long Beach Boulevard
Annex Building
Long Beach, CA 90807-

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

Site

Juan Cabrillo ES
30237 Morning View Dr.
Malibu, CA 90265

Page: **9**

Project ID: SMSD-18-8201
Project Name: Malibu Quarterly PCB Air&Wipe

AETL Job Number	Submitted	Client
101369	10/01/2019	ALTA

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

QC Batch No: 100119ZB1

Our Lab I.D.			101369.20	101369.21	101369.22	101369.23	101369.24
Client Sample I.D.			0928-F22-W2	0928-F22-W3	0928-F23-W1	0928-F23-W2	0928-F23-W3
Date Sampled			09/28/2019	09/28/2019	09/28/2019	09/28/2019	09/28/2019
Date Prepared			10/01/2019	10/01/2019	10/01/2019	10/01/2019	10/01/2019
Preparation Method			3540C	3540C	3540C	3540C	3540C
Date Analyzed			10/02/2019	10/02/2019	10/02/2019	10/02/2019	10/02/2019
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)	0.10	0.10	ND	ND	ND	ND	ND
Aroclor-1221 (PCB-1221)	0.10	0.10	ND	ND	ND	ND	ND
Aroclor-1232 (PCB-1232)	0.10	0.10	ND	ND	ND	ND	ND
Aroclor-1242 (PCB-1242)	0.10	0.10	ND	ND	ND	ND	ND
Aroclor-1248 (PCB-1248)	0.10	0.10	ND	ND	ND	ND	ND
Aroclor-1254 (PCB-1254)	0.10	0.10	ND	ND	ND	ND	ND
Aroclor-1260 (PCB-1260)	0.10	0.10	ND	ND	ND	ND	ND
Aroclor-1262 (PCB-1262)	0.10	0.10	ND	ND	ND	ND	ND
Aroclor-1268 (PCB-1268)	0.10	0.10	ND	ND	ND	ND	ND
Our Lab I.D.			**101369.20**	**101369.21**	**101369.22**	**101369.23**	**101369.24**
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Decachlorobiphenyl	30-150		80.4	78.4	67.4	81.6	96.8
Tetrachloro-m-xylene	30-150		60.4	49.0	53.8	75.2	78.2

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Alta Environmental
3777 Long Beach Boulevard
Annex Building
Long Beach, CA 90807-

Telephone: (562)495-5777
Attn: Jonathan Barkman
Page: **10**

Site

Juan Cabrillo ES
30237 Morning View Dr.
Malibu, CA 90265

Project ID: SMSD-18-8201
Project Name: Malibu Quarterly PCB Air&Wipe

AETL Job Number	Submitted	Client
101369	10/01/2019	ALTA

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

QC Batch No: 100119ZB1

Our Lab I.D.			101369.25	101369.26	101369.27	101369.38	101369.39
Client Sample I.D.			0928-EL1B-W1	0928-EL1B-W2	0928-EL1B-W3	0928-Q1	0928-D
Date Sampled			09/28/2019	09/28/2019	09/28/2019	09/28/2019	09/28/2019
Date Prepared			10/01/2019	10/01/2019	10/01/2019	10/01/2019	10/01/2019
Preparation Method			3540C	3540C	3540C	3540C	3540C
Date Analyzed			10/02/2019	10/02/2019	10/02/2019	10/02/2019	10/02/2019
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)	0.10	0.10	ND	ND	ND	ND	ND
Aroclor-1221 (PCB-1221)	0.10	0.10	ND	ND	ND	ND	ND
Aroclor-1232 (PCB-1232)	0.10	0.10	ND	ND	ND	ND	ND
Aroclor-1242 (PCB-1242)	0.10	0.10	ND	ND	ND	ND	ND
Aroclor-1248 (PCB-1248)	0.10	0.10	ND	ND	ND	ND	ND
Aroclor-1254 (PCB-1254)	0.10	0.10	ND	ND	ND	ND	ND
Aroclor-1260 (PCB-1260)	0.10	0.10	ND	ND	ND	ND	ND
Aroclor-1262 (PCB-1262)	0.10	0.10	ND	ND	ND	ND	ND
Aroclor-1268 (PCB-1268)	0.10	0.10	ND	ND	ND	ND	ND
Our Lab I.D.			**101369.25**	**101369.26**	**101369.27**	**101369.38**	**101369.39**
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Decachlorobiphenyl	30-150		86.0	68.4	100	77.8	75.8
Tetrachloro-m-xylene	30-150		61.4	47.4	93.2	63.0	62.6

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Alta Environmental
3777 Long Beach Boulevard
Annex Building
Long Beach, CA 90807-

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

Site

Juan Cabrillo ES
30237 Morning View Dr.
Malibu, CA 90265

Page: **11**

Project ID: SMSD-18-8201
Project Name: Malibu Quarterly PCB Air&Wipe

AETL Job Number	Submitted	Client
101369	10/01/2019	ALTA

Method: TO-10A, PCB Compounds in Ambient Air using Low Volume Sampling

QC Batch No: 100419ZB1; LCS: Blank; LCS Prepared: 10/04/2019; LCS Analyzed: 10/07/2019; Units: ng/m3

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Aroclor-1016 (PCB-1016)	1,000	687	68.7	1,000	724	72.4	5.2	40-140	<40	
Aroclor-1260 (PCB-1260)	1,000	996	99.6	1,000	941	94.1	5.7	40-140	<40	
Surrogates										
Decachlorobiphenyl	1,000	636	63.6	1,000	558	55.8	13.1	30-150	<30	
Tetrachloro-m-xylene	1,000	600	60.0	1,000	476	47.6	23.0	30-150	<30	

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Alta Environmental
3777 Long Beach Boulevard
Annex Building
Long Beach, CA 90807-

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

Site

Juan Cabrillo ES
30237 Morning View Dr.
Malibu, CA 90265

Page: **12**

Project ID: SMSD-18-8201
Project Name: Malibu Quarterly PCB Air&Wipe

AETL Job Number	Submitted	Client
101369	10/01/2019	ALTA

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

QC Batch No: 100119ZB1; LCS: Blank; LCS Prepared: 10/01/2019; LCS Analyzed: 10/02/2019; Units: ug/100cm2

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Aroclor-1016 (PCB-1016)	500	301	60.2	500	341	68.2	12.5	50-150	<20	
Aroclor-1260 (PCB-1260)	500	420	84.0	500	436	87.2	3.7	50-150	<20	
Surrogates										
Decachlorobiphenyl	50.0	26.1	52.2	50.0	25.2	50.4	3.5	30-150	<20	
Tetrachloro-m-xylene	50.0	21.3	42.6	50.0	21.2	42.4	<1	30-150	<20	

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street, Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

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.

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street, Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • 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