PCB REMOVAL/REMEDIATION PROJECT RECORD
Malibu High School – Buildings F and I
May 5, 2021

Prepared For:

Santa Monica Malibu Unified School District
Carey Upton
2828 4th Street
Santa Monica, California 90405

NV5 – Alta Environmental
3777 Long Beach Blvd. Annex Building
Long Beach, CA 90807
Phone: 800.777.0605

444720-0009592.01

EXECUTIVE SUMMARY

Alta Environmental DBA NV5 (NV5) conducted monitoring services during the removal of polychlorinated biphenyl (PCBs) impacted building materials (flooring adhesive) from Rooms 303 (Enhanced Lecture), 303C (office), 303B (Lecture Prep), and 303A (Janitor's Closet) of Building F and Room 402C/402D (Dark Room) of Building I within Malibu High School, located at 30215 Morning Drive, Malibu, California 90265. The work was completed under the approved site-specific PCB Remediation Waste Plan (Work Plan).

Prior to the start of work, negative air-pressure containment systems were constructed around the removal areas to minimize the potential for fugitive dust migration. Particulate air monitoring was conducted during active remediation activities and the reported concentrations were below action levels established for this project. There were no documented exceedances.

Following the removal of identified PCB-containing materials and the installation of the encapsulant floor covering, NV5 conducted initial post-removal surface wipe sampling prior to removal of the work area containment. The results of the initial wipe samples were reported below the USEPA Region IX heath-based benchmark.

Following receipt of acceptable initial wipe sample results, the work area containments were removed and to facilitate build-back of disturbed areas. Final confirmation surface wipe and air samples were collected following restoration of the work areas and prior to re-occupancy. The results of this sampling met the USEPA re-occupancy criteria.

TABLE OF CONTENTS

APPENDICES

1.0 PROJECT BACKGROUND

Previous investigations identified polychlorinated biphenyl (PCB) impacted building materials within select areas of Building F and Building I at Malibu Middle and High School, located at 30215 Morning Drive, Malibu, California (Site). This report details monitoring services performed by Alta Environmental dba NV5 (NV5) during the removal of flooring material containing elevated levels of PCBs from Rooms 303 (Enhanced Lecture), 303C (Office), 303B (Lecture Prep), and 303A (Janitor's Closet) within Building F and Room 402C/402D (Dark Room) within Building I.

Appendix A provides figures detailing the locations of removed building materials.

2.0 NV5 PROJECT SCOPE OF SERVICES

At the request of the Santa Monica-Malibu Unified School District (District), NV5 provided the following services during the removal/remediation:

- Contractor observation to document project activities, including the contractor's adherence to the requirements of the *Notification and Request for Approval, PCB Remediation Waste Plan, Buildings D, F, G, I and J* (Work Plan) prepared by Ramboll, dated April 23, 2018;
- Particulate sampling using real-time monitors both upwind and downwind from the work area;
- Final visual inspection confirming that applicable PCB flooring material and associated dust and debris were removed;
- Observation of a 2-layer epoxy encapsulant application to concrete slab;
- Initial post-removal wipe sampling; and
- Final pre-occupancy surface wipe sampling and air sampling.

3.0 CONTRACTOR PERFORMED REMOVAL ACTIVITIES

An overview of removal and abatement activities performed by the District-selected remediation contractor, Miller Environmental (Miller), is provided in the following sections.

All PCB removal activities and waste segregation, storage, and disposal were conducted in accordance with the Work Plan.

3.1 REGULATED WORK AREA

Two work areas, one at Building F and one at Building I, were established around the designated PCB removal areas. Physical barriers and warning signs were utilized to limit access to only those authorized persons conducting or monitoring the remediation work. The PCB removal areas were further isolated by installing additional containment systems consisting of critical and perimeter barriers constructed with fire retardant polyethylene sheeting.

3.2 ENGINEERING CONTROLS

Containment systems were constructed around each PCB removal area to minimize the potential for fugitive dust migration outside of the regulated work areas. Negative air pressures were established within each containment using high-efficiency particulate air (HEPA) filtering fan units to maintain a minimum air pressure differential of -0.02 inches/water column. The containment area pressure differential was continuously monitored during PCB removal activities using a data-logging manometer. Additional engineering controls included the use of HEPA filter-equipped vacuums within the containment systems to collect dust generated during the remediation activities.

3.3 FLOORING MASTIC REMOVAL

As discussed in the Work Plan, previous investigations of Building F and Building I identified select locations of PCB-impacted flooring mastic and adhesives with concentrations greater than 50 parts-per-million (ppm). Miller pre-wet the target flooring surfaces and utilized metal scrapers and similar manual tools to separate and remove the PCB-impacted flooring materials. Following bulk removal, detailed cleaning of remaining residue was performed (without the use of solvents) and all wastes were properly containerized and temporarily stored onsite pending disposal (Section 9).

Upon removal of all waste materials, a visual inspection of the work area was performed to ensure adequate decontamination of the work area containment. Following verification, an encapsulant floor covering was applied in accordance with the Work Plan. The applied encapsulant consisted of a liquid epoxy coating installed in two coats, each with contrasting colors, to a total thickness of 16 thousandths of an inch (16 mils). Two rounds of verification sampling were then conducted and following review of the laboratory results, the work area was released back to the District for future use. Additional details of sampling are discussed in Sections 3.4 and 3.5, below.

3.4 POST REMEDIATION CONTAINMENT INSPECTION AND CLEARANCE

Following the removal of identified PCB-containing materials and the installation of the encapsulant floor coverings, NV5 and Miller staff conducted a visual inspection of all containment areas. After the containment areas were deemed acceptable, initial post-removal surface wipe sampling was conducted prior to removal of the work area containments. Appendix B presents a tabulated overview of the sample results and Appendix C presents copies of the laboratory reports.

On July 22, 2020, based on the size of the work areas, six surface wipe samples were collected from the floor of the containment area in Building F (Rooms 303, 303A, 303B and 303C) and two surface wipe samples were collected from the floor of the containment area in Building I (Room 402C and 402D). In addition, one blank wipe sample was collected for each of the two buildings. The wipe samples were collected on a hexane-wetted gauze pad, using the Standard Wipe Test method described in 40 CFR 761.123. The post-remediation wipe samples and field blank wipe samples were submitted to a California-accredited environmental testing laboratory. All surface wipe samples were prepared for analysis by the laboratory using EPA Method 3540 (Soxhlet extraction) and analyzed for PCBs using EPA Method TO-10A.

Upon laboratory notification that the wipe sample PCB concentrations were reported below the EPA Region IX heath-based benchmark of 1.0 microgram (µg) per 100 square centimeters (cm^2), the work area containments were released to the remediation contractor for teardown.

3.5 CONFIRMATION AIR AND WIPE SAMPLING PRIOR TO RE-OCCUPANCY

Following removal of the containment and prior to re-occupancy, NV5 collected surface wipe and air confirmation samples from the work areas. As presented in Appendix B, all confirmation samples were reported below the EPA Region IX heath-based benchmark of 1.0µg/100cm^2 for the wipe samples and below the EPA evaluation criteria for the air samples.

For reference, the following table presents USEPA's criteria for evaluating exposure levels in indoor air at school sites:

Age in Years Range	1 to <2	2 to <3	3 to <6	6 to <12	12 to <15	15 to <19	19 +
PCBs ng/m^3	100	100	200	300	500	600	500

3.5.1 Wipe Sampling

Each confirmation wipe sample was collected on laboratory supplied gauze pads or similar sampling media in general accordance with the Standard Wipe Test described in 40 CFR 761.123. All samples were submitted to a California-accredited environmental testing laboratory for extraction by EPA Method 3540 (Soxlet extraction) and analysis by USEPA Method 8082.

Building F

On August 5, 2020, a total of three surface wipe samples, one wipe sample from Room 303A, two wipe samples from Room 303, and one blank sample, were collected.

Building I

On July 30, 2020 a total of four surface wipe samples, three wipe samples from the Dark Room floor (Room 402C and 402D) and one from the countertop in the Dark Room were collected.

3.5.2 Air Sampling

Each confirmation 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.

Building F

On August 3, 2020, air samples were collected in Rooms 303C (Office) and 303 (Enhanced Lecture). In addition, one ambient air sample was collected outside of the building to assess background concentrations of PCBs in air.

Building I

On July 30, 2020, an air sample was collected in Room 402C (Dark Room). In addition, one ambient air sample was collected outside of the building to assess background concentrations of PCBs in air.

4.0 PERIMETER SAMPLING/AIR MONITORING-RESPIRABLE AIRBORNE PARTICULATES

Airborne particulate sampling was conducted during active PCB removal activities using MIE pDR Model 1000 battery operated, direct-read data logging instruments to verify the effectiveness of dust minimization and engineering controls. The instruments were sited at locations upwind and downwind of each work area and collected data at all times while PCB remediation activities were in progress. Meteorological data including wind speed and direction were obtained by NV5 from the nearest weather station listed online at https://www.wunderground.com/dashboard/pws/KCAMALIB11.

In accordance with the Work Plan, a particulate concentration of 0.1 milligrams per cubic meter (mg/m3) above background was established as the action level for fugitive dust originating from PCB removal activities. All dust monitors were checked at a minimum frequency of once per hour. There were no exceedances of the dust in air action level identified during PCB removal activities conducted during this project. Tabulated dust monitoring results are presented in Appendix D for reference.

5.0 WORKER PROTECTION

Personal protective equipment utilized by workers engaged in the PCB remediation activities included NIOSH-approved half-face air-purifying respirators with HEPA (P100) cartridges, disposable non-porous protective overalls, and eye, hand, foot and hearing protection devices.

6.0 WORKER DECONTAMINATION

A three-stage worker decontamination unit, integral to each work area containment, was placed at the entrance to the regulated work area and included a “dirty” room, shower room and a clean room.

7.0 EQUIPMENT DECONTAMINATION

Equipment used for PCB removal/remediation was wet wiped and vacuumed with HEPA-equipped vacuums and visually inspected prior to removal from the work areas. In addition, the HEPA filters from all equipment, vacuums and negative air blowers were removed inside each containment, and the interior of the unit (filter compartment) was wet wiped prior to removal from the containment systems. Following decontamination, all equipment, including tools, vacuums, and air filtration devices were visually inspected prior to removal from the work areas.

8.0 QUALITY CONTROL

Sample collection and analytical methodology used to complete this project were completed according to the Work Plan. All samples collected during this project were analyzed by a certified and accredited laboratory. NV5 reviewed all laboratory data for quality and usability in accordance with appropriate USEPA protocols. Based on a review of the laboratory QC data associated with the sample analysis, the recovery and precision were within the acceptable limits of the laboratory.

9.0 WASTE MANAGEMENT AND DISPOSAL

Waste generated (i.e. flooring materials and mastic) as a result of the project activities was properly packaged, labeled and disposed of as PCB Bulk Product Waste, in accordance with the Work Plan and with 40 CFR 761.62. The PCB Bulk Product Waste was transported by BDC Special Waste Services, a California certified waste transporter. The waste was disposed at US Ecology, located at Hwy 95, 11 miles south of Beatty, Nevada.

10.0 PROJECT SUMMARY

PCB related work completed during this project was performed in accordance with the Work Plan. Results of work area dust monitoring indicated that the established threshold of no more than 0.1 mg/m3of dust in air above background levels was maintained during project activities.

Visual inspections confirmed that materials designated for removal were removed and that no visible dust or debris resulting from the removal activities remained in the work area.

Following the removal/remediation work, confirmation surface wipe and air samples were collected. Laboratory results of the surface wipe samples, and the air samples were reported below re-occupancy clearance levels established for this project.

11.0 DISCLAIMER

This report was prepared exclusively for use by the Santa Monica-Malibu Unified School District and may not be relied upon by any other person or entity without NV5 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 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.

Material quantities are in some cases listed within this document. These quantities are not intended to be used for removal bidding purposes, nor is this document intended as a contract manual. Work methods and sequence, coordination of participants, applicable codes, engineering controls, required submittals, and notifications should in all cases be addressed in a separate and independent bidding and contract document.

If you have any questions, please do not hesitate to contact the undersigned at (562) 495-5777. We appreciate the opportunity to be of service to the Santa Monica-Malibu Unified School District.

12.0 SIGNATORY

Submitted for and on behalf of NV5.

Prepared by:
NV5

Jonathan Barkman
Project Manager

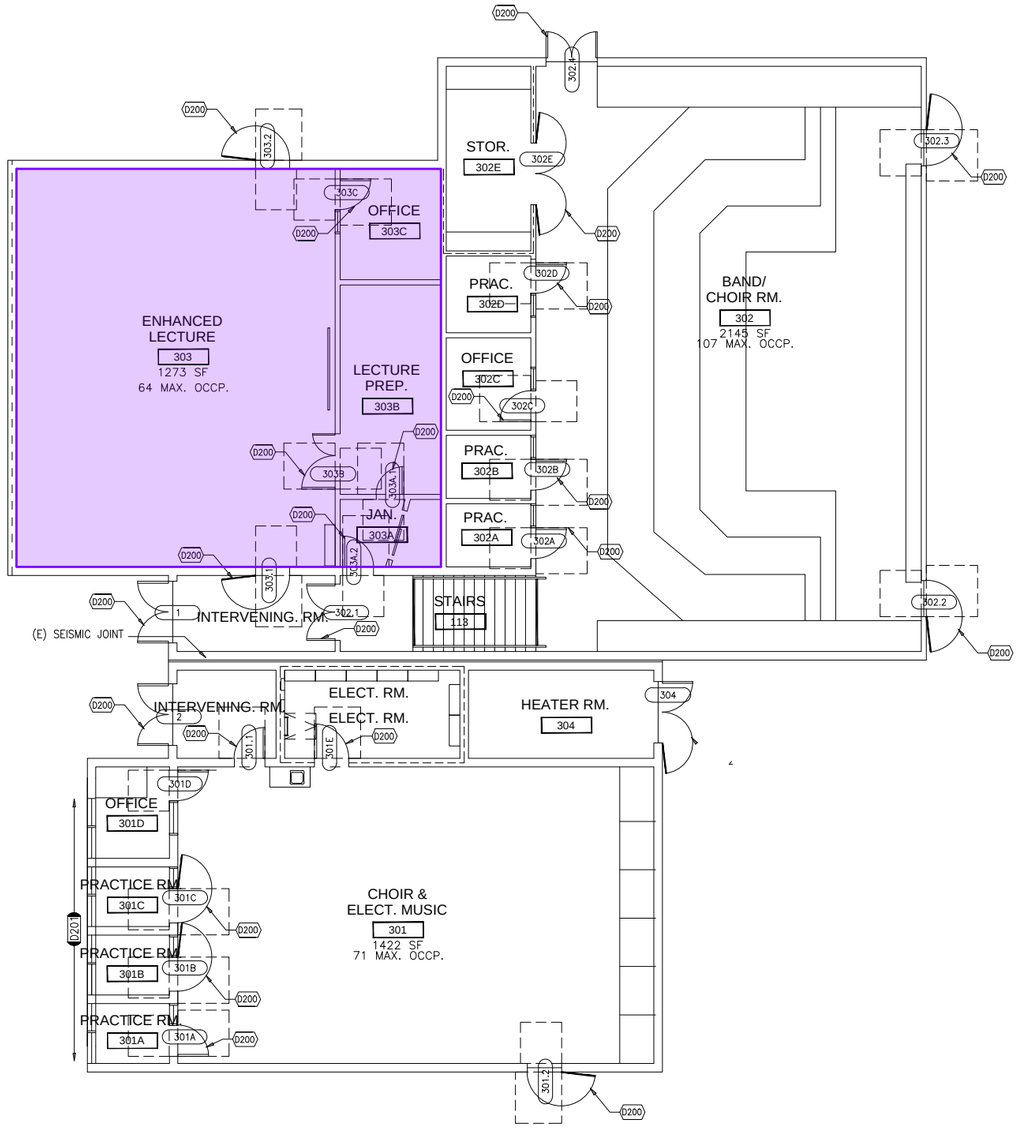
Reviewed by:
NV5

David R. Schack
Vice President, Building Sciences

Type text here

APPENDIX A

PCB Removal Locations



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

Legend

PCB Removal / Slab Encapsulation

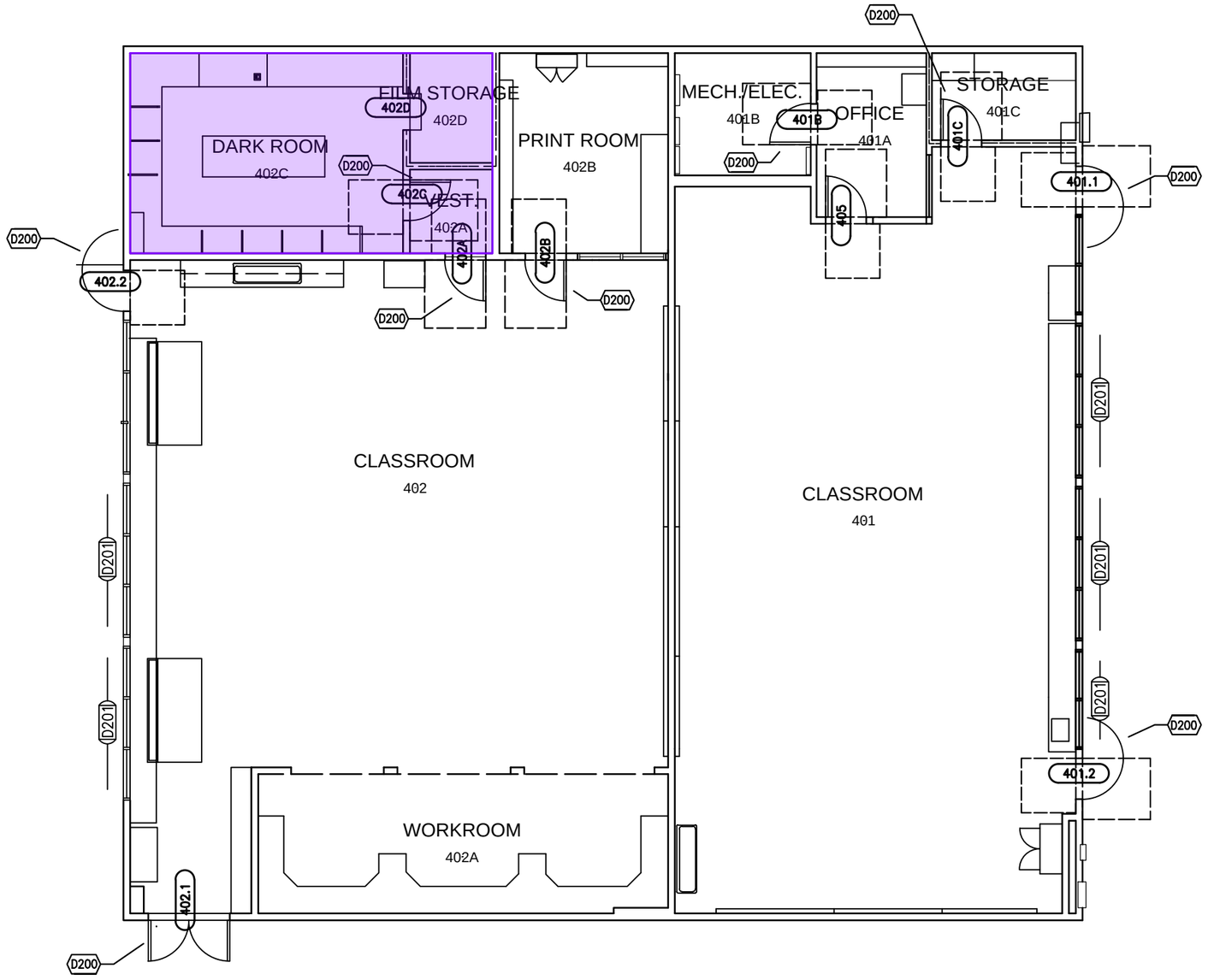
Scope of Work - Building F PCB Removal

Malibu High School
30215 Morning View Drive
Malibu, California

N

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

DATE: July 2020 | Project No.: SMSD-20-9592



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

Legend

PCB Removal / Slab Encapsulation

Scope of Work - Building I PCB Removal

Malibu High School
30215 Morning View Drive
Malibu, California

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

DATE: July 2020 | Project No.: SMSD-20-9592

APPENDIX B

Post-Removal and Clearance Sampling Results

Summary of Malibu High School Surface Wipe Sampling Results

CLIENT: SMMUSD
PROJECT NO: SMSD-20-9592
PROJECT: MMHS Demolition Monitoring

Building	Floor Plan ID	Sample Location	Component Description	Sampling Date	Sample ID	Total PCBs (µg/100cm^2)
F	303C	Office center	Floor	7/22/2020	F0722-1	0.188
F	303B	Lecture prep center	Floor	7/22/2020	F0722-2	ND
F	303A	Janitor's room east	Floor	7/22/2020	F0722-3	ND
F	303A	Janitor's room west	Floor	7/22/2020	F0722-4	ND
F	303	Enhanced lecture south center	Floor	7/22/2020	F0722-5	ND
F	303	Enhanced lecture north center	Floor	7/22/2020	F0722-6	ND
Field Blank				7/22/2020	F0722-7	ND
F	303C	Office center	Floor	8/5/2020	W080520-1	0.154
F	303	Enhanced lecture north center	Floor	8/5/2020	W080520-2	0.150
F	303	Enhanced lecture south center	Floor	8/5/2020	W080520-3	0.0831
Field Blank				8/5/2020	W080520-4	0.0998
I	402C	Dark room center	Floor	7/22/2020	I0722-1	ND
	402D	Storage center	Floor	7/22/2020	I0722-2	ND
Field Blank				7/22/2020	I0722-3	ND
I	402C	Dark room under counter south side	Floor	7/30/2020	WZ73020-1	ND
	402C	Dark room countertop southwest side	Floor	7/30/2020	WZ73020-2	0.0366J
	402C	Northeast corner	Floor	7/30/2020	WZ73020-3	ND
	402D	Center	Floor	7/30/2020	WZ73020-4	ND

Notes:

µg/100cm^2 = micrograms per 100 square centimeters

PCB = polychlorinated biphenyl

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

Summary of Malibu High School Air Sampling Results

CLIENT: SMMUSD
PROJECT SMSD-20-9592
PROJECT: MMHS Demolition Monitoring

Building	Room Placard ID	Room Description	Sampling Date[a]	Sample ID	Total PCBs (ng/m^3)
F	303	Enhanced Lecture	8/3/2020	F080320-1	16.3
F	303C	Office	8/3/2020	F080320-2	22.2
F	Ambient	Outside of Room 303	8/3/2020	F080320-3	3.09
F	Blank	N/A	N/A	F080320B	ND
I	402C	Dark room	7/30/2020	I73020-1	30.9
I	Ambient	N/A	7/30/2020	I73020-2	ND
I	Blank	N/A	N/A	I73020-3	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 analyzed for but 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

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

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

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

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

A KYZER LABS COMPANY

BBE0193

CHAIN OF CUSTODY RECORD

117971

COMPANY NV5

PROJECT MANAGER J. Barkman

COMPANY ADDRESS 7777 Long Beach Blvd. Long Beach Cal. 90807

PHONE 562 495 5777

EMAIL Jonathan.Barkman@NV5

PROJECT NAME Malibu H.S.

PROJECT #

SITE NAME AND ADDRESS 30215 Morning View Dr.

PO #

AETL JOB No. 105502

Page 1 of 1

	SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	ANALYSIS REQUESTED: PCB 8082	ANALYSIS REQUESTED: Soak Lot Ext.	TEST INSTRUCTIONS & COMMENTS
1	I0722-1	105502.01	7/22/20	1200	WIPES	1	ICED	X	X	
2	2	105502.02		1205				X	X	
3	3	105502.03		1210				X	X	
4	F0722-1	105502.04		1230				X	X	
5	2	105502.05		1235				X	X	
6	3	105502.06		1240				X	X	
7	4	105502.07		1245				X	X	
8	5	105502.08		1250				X	X	
9	6	105502.09		1255				X	X	
10	7	105502.10		1300				X	X	
11										
12										
13										
14										
15										

TOTAL NUMBER OF CONTAINERS: 10

BILLING INFORMATION / SPECIAL INSTRUCTIONS

cc: David.Schack@NV5.com
Randolph.Flores@NV5.com

RELINQUISHED BY SAMPLER: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature:	Signature:	Signature:
Printed Name: Randy Flores	Printed Name:	Printed Name: CARLOS GARCIA
Date: 7/22/20 Time: 1415	Date: Time:	Date: 7.22.20 Time: 15:59
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY LABORATORY: 3.**
Signature:	Signature:	Signature:
Printed Name: Carlos Garcia	Printed Name:	Printed Name: Dargis-P
Date: 7.22.20 Time: 1915	Date: Time:	Date: 7/22/20 Time: 1559

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) _____

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

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
A KYZER LABS COMPANY

COOLER RECEIPT FORM

Client Name: NNS
Project Name:
AETL Job Number: 105502
Date Received: 7/22/2020 Received by: Sargis-P
Carrier: ☑ AETL Courier ☐ Client ☐ GSO ☐ FedEx ☐ UPS
☐Others:

Samples were received in: ☑ Cooler (1) ☐ Other (Specify):
Inside temperature of shipping container No 1: 3.2°C, No 2: _____, 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): Wipes

	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:

_____
_____
_____
_____

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

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

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

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

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 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

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

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

Site

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

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

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

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

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

Site

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

Page: **3**

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

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

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: **4**

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				

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

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 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	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	
Surrogates										
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	

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

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
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

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

AMERICAN ENVIRONMENTAL TESTING LABORATORY
2834 North Naomi Street Burbank, CA 91504 • ELAP# 1541 & 2402 • LACSD# 10181
TEL (888) 288-AETL • (818) 845-8200 • www.aetlab.com
A KYZER LABS COMPANY

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

AMERICAN ENVIRONMENTAL TESTING LABORATORY
2834 North Naomi Street Burbank, CA 91504 • ELAP# 1541 & 2402 • LACSD# 10181
TEL (888) 288-AETL • (818) 845-8200 • www.aetlab.com
A KYZER LABS COMPANY

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
2834 NORTH NAOMI ST. BURBANK, CALIFORNIA 91504 ELAP # 1541 LACSD# 10181
TEL (888) 288-AETL (818) 845-8200 FAX (818) 845-8840 www.aetlab.com
A KYZER LABS COMPANY

CHAIN OF CUSTODY RECORD

120170

AETL JOB No. BBH0026

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

	SAMPLE ID	LAB ID	DATE	TIME Start	MATRIX	CONTAINER NUMBER/SIZE	PRES.	EPA 8082	Soxhelet Extraction	Stop time	Volume extracted
1	F080320-1	BBH0026.01	08-03-20	1407	A|R	1	ICE	X	X	1352	7125
2	F080320-2	BBH0026.02	"	1322	"	"	"	X	X	1307	7139.3
3	F080320-3	BBH0026.03	"	1415	"	"	"	X	X	1400	7140.7
4	F080320-B	BBH0026.04	"	-	"	"	"	X	X	-	-
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											

ANALYSIS REQUESTED

TEST INSTRUCTIONS & COMMENTS

TOTAL NUMBER OF CONTAINERS: 4

BILLING INFORMATION / SPECIAL INSTRUCTIONS

CC: Jonathan.Barkman@NVS.com
Dave.Shack@NVS.com

RELINQUISHED BY SAMPLER: 1.
Signature: Gloriana Villanueva
Printed Name: Gloriana Villanueva
Date: 08-04-20 Time: 1435

RELINQUISHED BY: 2.
Signature:
Printed Name:
Date: Time:

RELINQUISHED BY: 3.
Signature:
Printed Name: C. Villalobos
Date: 8/4/20 Time: 1605

RECEIVED BY: 1.
Signature:
Printed Name: CHRISTION PADILLA
Date: 8/4/20 Time: 1435

RECEIVED BY: 2.
Signature:
Printed Name:
Date: Time:

RECEIVED BY LABORATORY: 3.
Signature:
Printed Name: Jargis-Pivek
Date: 8/4/20 Time: 1605

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) _____

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

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
A KYZER LABS COMPANY

COOLER RECEIPT FORM

Client Name: NV5

Project Name:

AETL Job Number: BRH0026

Date Received: 8/4/2020 Received by: Sargis Pirch

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

☐ Others:

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

Inside temperature of shipping container No 1: 3.1 °C, No 2: , No 3:

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

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?	✓		

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:

Corey Jones

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 | www.altaenviron.com | Electronic Communications Disclaimer

Alta Environmental is now NV5

AMERICAN ENVIRONMENTAL TESTING LABORATORY
2834 North Naomi Street Burbank, CA 91504 • ELAP# 1541 & 2402 • LACSD# 10181
TEL (888) 288-AETL • (818) 845-8200 • www.aetlab.com
A KYZER LABS COMPANY

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

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.

AMERICAN ENVIRONMENTAL TESTING LABORATORY
2834 North Naomi Street Burbank, CA 91504 • ELAP# 1541 & 2402 • LACSD# 10181
TEL (888) 288-AETL • (818) 845-8200 • www.aetlab.com
A KYZER LABS COMPANY

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

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

Analysis	Units	TAT
EPA TO-10A	ng/m³	1

Lab ID	Client ID	Sample Date	Matrix	Quantity of Containers
BBH0026-02	F080320-2	08/3/20 14:22	Air	1

Analysis	Units	TAT
EPA TO-10A	ng/m³	1

Lab ID	Client ID	Sample Date	Matrix	Quantity of Containers
BBH0026-03	F080320-3	08/3/20 14:15	Air	1

Analysis	Units	TAT
EPA TO-10A	ng/m³	1

Lab ID	Client ID	Sample Date	Matrix	Quantity of Containers
BBH0026-04	F080320-B	08/3/20 0:00	Air	1

Analysis	Units	TAT
EPA TO-10A	ng/m³	1

Total Number of Samples received: 4

AMERICAN ENVIRONMENTAL TESTING LABORATORY
2834 North Naomi Street Burbank, CA 91504 • ELAP# 1541 & 2402 • LACSD# 10181
TEL (888) 288-AETL • (818) 845-8200 • www.aetlab.com
A KYZER LABS COMPANY

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	

Positive Hits Summary

Lab ID **Client ID**

BBH0026-01 F080320-1 Received: 08/04/2020 16:05

Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA TO-10A	**Aroclor-1254 (PCB-1254)**	**16.3**		**ng/m³**	**08/05/2020 12:12**

Lab ID **Client ID**

BBH0026-02 F080320-2 Received: 08/04/2020 16:05

Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA TO-10A	**Aroclor-1254 (PCB-1254)**	**22.2**		**ng/m³**	**08/05/2020 12:32**

Lab ID **Client ID**

BBH0026-03 F080320-3 Received: 08/04/2020 16:05

Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA TO-10A	**Aroclor-1254 (PCB-1254)**	**3.09**		**ng/m³**	**08/05/2020 12:52**

AMERICAN ENVIRONMENTAL TESTING LABORATORY
2834 North Naomi Street Burbank, CA 91504 • ELAP# 1541 & 2402 • LACSD# 10181
TEL (888) 288-AETL • (818) 845-8200 • www.aetlab.com
A KYZER LABS COMPANY

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
Semivolatile Organic Compounds											
Method: EPA TO-10A											
Aroclor-1016 (PCB-1016)	ND		1	0.0500	0.100	ng/m³	08/04/20 18:30	08/05/20 12:12	B0H0091	ATS	3540C
Aroclor-1221 (PCB-1221)	ND		1	0.0500	0.100	ng/m³	08/04/20 18:30	08/05/20 12:12	B0H0091	ATS	3540C
Aroclor-1232 (PCB-1232)	ND		1	0.0500	0.100	ng/m³	08/04/20 18:30	08/05/20 12:12	B0H0091	ATS	3540C
Aroclor-1242 (PCB-1242)	ND		1	0.0500	0.100	ng/m³	08/04/20 18:30	08/05/20 12:12	B0H0091	ATS	3540C
Aroclor-1248 (PCB-1248)	ND		1	0.0500	0.100	ng/m³	08/04/20 18:30	08/05/20 12:12	B0H0091	ATS	3540C
Aroclor-1254 (PCB-1254)	**16.3**		1	0.0500	0.100	ng/m³	08/04/20 18:30	08/05/20 12:12	B0H0091	ATS	3540C
Aroclor-1260 (PCB-1260)	ND		1	0.0500	0.100	ng/m³	08/04/20 18:30	08/05/20 12:12	B0H0091	ATS	3540C
Aroclor-1262 (PCB-1262)	ND		1	0.0500	0.100	ng/m³	08/04/20 18:30	08/05/20 12:12	B0H0091	ATS	3540C
Aroclor-1268 (PCB-1268)	ND		1	0.0500	0.100	ng/m³	08/04/20 18:30	08/05/20 12:12	B0H0091	ATS	3540C
	Recovery				Acceptance Criteria						
Surrogate: Decachlorobiphenyl	*71.8%*				*30-150*		08/04/20 18:30	*08/05/20 12:12*	B0H0091	*ATS*	3540C
Surrogate: Tetrachloro-m-xylene	*82.1%*				*30-150*		08/04/20 18:30	*08/05/20 12:12*	B0H0091	*ATS*	3540C

AMERICAN ENVIRONMENTAL TESTING LABORATORY
2834 North Naomi Street Burbank, CA 91504 • ELAP# 1541 & 2402 • LACSD# 10181
TEL (888) 288-AETL • (818) 845-8200 • www.aetlab.com
A KYZER LABS COMPANY

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
Semivolatile Organic Compounds											
Method: EPA TO-10A											
Aroclor-1016 (PCB-1016)	ND		1	0.0500	0.100	ng/m³	08/04/20 18:30	08/05/20 12:32	B0H0091	ATS	3540C
Aroclor-1221 (PCB-1221)	ND		1	0.0500	0.100	ng/m³	08/04/20 18:30	08/05/20 12:32	B0H0091	ATS	3540C
Aroclor-1232 (PCB-1232)	ND		1	0.0500	0.100	ng/m³	08/04/20 18:30	08/05/20 12:32	B0H0091	ATS	3540C
Aroclor-1242 (PCB-1242)	ND		1	0.0500	0.100	ng/m³	08/04/20 18:30	08/05/20 12:32	B0H0091	ATS	3540C
Aroclor-1248 (PCB-1248)	ND		1	0.0500	0.100	ng/m³	08/04/20 18:30	08/05/20 12:32	B0H0091	ATS	3540C
Aroclor-1254 (PCB-1254)	**22.2**		1	0.0500	0.100	ng/m³	08/04/20 18:30	08/05/20 12:32	B0H0091	ATS	3540C
Aroclor-1260 (PCB-1260)	ND		1	0.0500	0.100	ng/m³	08/04/20 18:30	08/05/20 12:32	B0H0091	ATS	3540C
Aroclor-1262 (PCB-1262)	ND		1	0.0500	0.100	ng/m³	08/04/20 18:30	08/05/20 12:32	B0H0091	ATS	3540C
Aroclor-1268 (PCB-1268)	ND		1	0.0500	0.100	ng/m³	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

AMERICAN ENVIRONMENTAL TESTING LABORATORY
2834 North Naomi Street Burbank, CA 91504 • ELAP# 1541 & 2402 • LACSD# 10181
TEL (888) 288-AETL • (818) 845-8200 • www.aetlab.com
A KYZER LABS COMPANY

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)

Semivolatile Organic Compounds

Method: EPA TO-10A

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
Aroclor-1016 (PCB-1016)	ND		1	0.0500	0.100	ng/m³	08/04/20 18:30	08/05/20 12:52	B0H0091	ATS	3540C
Aroclor-1221 (PCB-1221)	ND		1	0.0500	0.100	ng/m³	08/04/20 18:30	08/05/20 12:52	B0H0091	ATS	3540C
Aroclor-1232 (PCB-1232)	ND		1	0.0500	0.100	ng/m³	08/04/20 18:30	08/05/20 12:52	B0H0091	ATS	3540C
Aroclor-1242 (PCB-1242)	ND		1	0.0500	0.100	ng/m³	08/04/20 18:30	08/05/20 12:52	B0H0091	ATS	3540C
Aroclor-1248 (PCB-1248)	ND		1	0.0500	0.100	ng/m³	08/04/20 18:30	08/05/20 12:52	B0H0091	ATS	3540C
Aroclor-1254 (PCB-1254)	**3.09**		1	0.0500	0.100	ng/m³	08/04/20 18:30	08/05/20 12:52	B0H0091	ATS	3540C
Aroclor-1260 (PCB-1260)	ND		1	0.0500	0.100	ng/m³	08/04/20 18:30	08/05/20 12:52	B0H0091	ATS	3540C
Aroclor-1262 (PCB-1262)	ND		1	0.0500	0.100	ng/m³	08/04/20 18:30	08/05/20 12:52	B0H0091	ATS	3540C
Aroclor-1268 (PCB-1268)	ND		1	0.0500	0.100	ng/m³	08/04/20 18:30	08/05/20 12:52	B0H0091	ATS	3540C
	Recovery				Acceptance Criteria						
Surrogate: Decachlorobiphenyl	*97.9%*				*30-150*		08/04/20 18:30	*08/05/20 12:52*	B0H0091	*ATS*	3540C
Surrogate: Tetrachloro-m-xylene	*81.9%*				*30-150*		08/04/20 18:30	*08/05/20 12:52*	B0H0091	*ATS*	3540C

AMERICAN ENVIRONMENTAL TESTING LABORATORY
2834 North Naomi Street Burbank, CA 91504 • ELAP# 1541 & 2402 • LACSD# 10181
TEL (888) 288-AETL • (818) 845-8200 • www.aetlab.com
A KYZER LABS COMPANY

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
Semivolatile Organic Compounds											
Method: EPA TO-10A											
Aroclor-1016 (PCB-1016)	ND		1	0.0500	0.100	ng/m³	08/04/20 18:30	08/05/20 13:12	B0H0091	ATS	3540C
Aroclor-1221 (PCB-1221)	ND		1	0.0500	0.100	ng/m³	08/04/20 18:30	08/05/20 13:12	B0H0091	ATS	3540C
Aroclor-1232 (PCB-1232)	ND		1	0.0500	0.100	ng/m³	08/04/20 18:30	08/05/20 13:12	B0H0091	ATS	3540C
Aroclor-1242 (PCB-1242)	ND		1	0.0500	0.100	ng/m³	08/04/20 18:30	08/05/20 13:12	B0H0091	ATS	3540C
Aroclor-1248 (PCB-1248)	ND		1	0.0500	0.100	ng/m³	08/04/20 18:30	08/05/20 13:12	B0H0091	ATS	3540C
Aroclor-1254 (PCB-1254)	ND		1	0.0500	0.100	ng/m³	08/04/20 18:30	08/05/20 13:12	B0H0091	ATS	3540C
Aroclor-1260 (PCB-1260)	ND		1	0.0500	0.100	ng/m³	08/04/20 18:30	08/05/20 13:12	B0H0091	ATS	3540C
Aroclor-1262 (PCB-1262)	ND		1	0.0500	0.100	ng/m³	08/04/20 18:30	08/05/20 13:12	B0H0091	ATS	3540C
Aroclor-1268 (PCB-1268)	ND		1	0.0500	0.100	ng/m³	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

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
Batch: B0H0091 - 3540C					**Prepared: 08/04/2020 18:30**						
Method Blank (B0H0091-BLK1)					**Analyzed: 08/05/2020 11:52**						
Aroclor-1016 (PCB-1016)	ND	0.0500	0.100	ng/m³							
Aroclor-1221 (PCB-1221)	ND	0.0500	0.100	ng/m³							
Aroclor-1232 (PCB-1232)	ND	0.0500	0.100	ng/m³							
Aroclor-1242 (PCB-1242)	ND	0.0500	0.100	ng/m³							
Aroclor-1248 (PCB-1248)	ND	0.0500	0.100	ng/m³							
Aroclor-1254 (PCB-1254)	ND	0.0500	0.100	ng/m³							
Aroclor-1260 (PCB-1260)	ND	0.0500	0.100	ng/m³							
Aroclor-1262 (PCB-1262)	ND	0.0500	0.100	ng/m³							
Aroclor-1268 (PCB-1268)	ND	0.0500	0.100	ng/m³							
Surrogate: Decachlorobiphenyl	*0.0234*			*ng/m³*	*0.0500000*		*46.9*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0373*			*ng/m³*	*0.0500000*		*74.5*	*30-150*			

AMERICAN ENVIRONMENTAL TESTING LABORATORY
2834 North Naomi Street Burbank, CA 91504 • ELAP# 1541 & 2402 • LACSD# 10181
TEL (888) 288-AETL • (818) 845-8200 • www.aetlab.com
A KYZER LABS COMPANY

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
Batch: B0H0091 - 3540C (Continued)					**Prepared: 08/04/2020 18:30**						
LCS (B0H0091-BS1)					**Analyzed: 08/05/2020 11:13**						
Aroclor-1016 (PCB-1016)	1.04	0.0500	0.100	ng/m³	1.00000		104	40-140			
Aroclor-1260 (PCB-1260)	1.32	0.0500	0.100	ng/m³	1.00000		132	40-140			
Surrogate: Decachlorobiphenyl	*0.0375*			*ng/m³*	*0.0500000*		*74.9*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0278*			*ng/m³*	*0.0500000*		*55.6*	*30-150*			
LCSD (B0H0091-BSD1)					**Analyzed: 08/05/2020 11:32**						
Aroclor-1016 (PCB-1016)	1.11	0.0500	0.100	ng/m³	1.00000		111	40-140	6.74	40	
Aroclor-1260 (PCB-1260)	1.25	0.0500	0.100	ng/m³	1.00000		125	40-140	4.95	40	
Surrogate: Decachlorobiphenyl	*0.0306*			*ng/m³*	*0.0500000*		*61.2*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0380*			*ng/m³*	*0.0500000*		*76.0*	*30-150*			

AMERICAN ENVIRONMENTAL TESTING LABORATORY
2834 North Naomi Street Burbank, CA 91504 • ELAP# 1541 & 2402 • LACSD# 10181
TEL (888) 288-AETL • (818) 845-8200 • www.aetlab.com
A KYZER LABS COMPANY

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 equivalant 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

AMERICAN ENVIRONMENTAL TESTING LABORATORY
2834 North Naomi Street Burbank, CA 91504 • ELAP# 1541 & 2402 • LACSD# 10181
TEL (888) 288-AETL • (818) 845-8200 • www.aetlab.com
A KYZER LABS COMPANY

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

Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
			Default Report (not modified)
			VERSION 6.20:2008
	TO-10A_PCB	(Air)	J-Flags used
	TO-10A_PCB	(Air)	Result calculations based on MDL
	TO-10A_PCB	(Air)	Special Units: ng/m³ (ug/Sample)

AMERICAN ENVIRONMENTAL TESTING LABORATORY
2834 North Naomi Street Burbank, CA 91504 • ELAP# 1541 & 2402 • LACSD# 10181
TEL (888) 288-AETL • (818) 845-8200 • www.aetlab.com
A KYZER LABS COMPANY

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

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

AMERICAN ENVIRONMENTAL TESTING LABORATORY
2834 North Naomi Street Burbank, CA 91504 • ELAP# 1541 & 2402 • LACSD# 10181
TEL (888) 288-AETL • (818) 845-8200 • www.aetlab.com
A KYZER LABS COMPANY

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

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

A KYZER LABS COMPANY

CHAIN OF CUSTODY RECORD

117972

AETL JOB No. BBH0041

Page 1 of 1

COMPANY: NVS (Alta Env.)
PROJECT MANAGER: Jon Parkinson
COMPANY ADDRESS: 3777 Long Beach Blvd. (Annex) Long Beach
PHONE: 310 920-8404
EMAIL:
PROJECT NAME: MMHS
PROJECT #: SMSD-20-9592
SITE NAME AND ADDRESS: 30215 Morning View Dr. Malibu Ca.
PO #:

	SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.
1	W-080520 1	BBH0041-01	8-5-20	1530	WIPE	1	ICE
2	2	BBH0041-02	"	1535	"	"	"
3	3	BBH0041-03	"	1540	"	"	"
4	4	BBH0041-04	"	1545	"	"	"
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							

ANALYSIS REQUESTED

EPA 8082 Soxhlet
X
X
X
X

TEST INSTRUCTIONS & COMMENTS

Clearance
1
Blank

TOTAL NUMBER OF CONTAINERS: 4

BILLING INFORMATION / SPECIAL INSTRUCTIONS

RELINQUISHED BY SAMPLER: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature:	Signature:	Signature:
Printed Name: Randy Flores	Printed Name:	Printed Name:
Date: 8-5-20 Time: 1720	Date: Time:	Date: Time:
RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY LABORATORY: 3.
Signature:	Signature:	Signature:
Printed Name:	Printed Name:	Printed Name: Sargis Pirch
Date: Time:	Date: Time:	Date: 8/5/20 Time: 1720

TURN AROUND TIME

- [ ] NORMAL
- [x] SAME DAY RUSH
- [ ] NEXT DAY RUSH
- [ ] 2 DAYS RUSH
- [ ] 3 DAYS RUSH
- [ ] 4 DAYS RUSH

DATA DELIVERABLE REQUIRED

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

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

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
A KYZER LABS COMPANY

COOLER RECEIPT FORM

Client Name: NVS

Project Name:

AETL Job Number: BBH0041

Date Received: 8/5/2020 Received by: Sergio's Pirela

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

☐ Others:

Samples were received in: ☒ Cooler (1) ☐ Other (Specify):

Inside temperature of shipping container No 1: 3.2°, No 2: _____, 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): Wipes

	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:

_____

_____

_____

_____

AMERICAN ENVIRONMENTAL TESTING LABORATORY
2834 North Naomi Street Burbank, CA 91504 • ELAP# 1541 & 2402 • LACSD# 10181
TEL (888) 288-AETL • (818) 845-8200 • www.aetlab.com
A KYZER LABS COMPANY

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

Analysis	Units	TAT
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

Analysis	Units	TAT
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

Analysis	Units	TAT
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

Analysis	Units	TAT
EPA 8082	ug/100cm2	5

Total Number of Samples received: 4

AMERICAN ENVIRONMENTAL TESTING LABORATORY
2834 North Naomi Street Burbank, CA 91504 • ELAP# 1541 & 2402 • LACSD# 10181
TEL (888) 288-AETL • (818) 845-8200 • www.aetlab.com
A KYZER LABS COMPANY

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	

Positive Hits Summary

Lab ID **Client ID**

BBH0041-01 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**

Lab ID **Client ID**

BBH0041-02 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**

Lab ID **Client ID**

BBH0041-03 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**

Lab ID **Client ID**

BBH0041-04 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**

AMERICAN ENVIRONMENTAL TESTING LABORATORY
2834 North Naomi Street Burbank, CA 91504 • ELAP# 1541 & 2402 • LACSD# 10181
TEL (888) 288-AETL • (818) 845-8200 • www.aetlab.com
A KYZER LABS COMPANY

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	

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
PCBs											
Method: EPA 8082											
Aroclor-1016 (PCB-1016)	ND		1	0.0200	0.0500	ug/100cm2	08/06/20 10:01	08/06/20 15:17	B0H0113	AT	3540C
Aroclor-1221 (PCB-1221)	ND		1	0.0200	0.0500	ug/100cm2	08/06/20 10:01	08/06/20 15:17	B0H0113	AT	3540C
Aroclor-1232 (PCB-1232)	ND		1	0.0200	0.0500	ug/100cm2	08/06/20 10:01	08/06/20 15:17	B0H0113	AT	3540C
Aroclor-1242 (PCB-1242)	ND		1	0.0200	0.0500	ug/100cm2	08/06/20 10:01	08/06/20 15:17	B0H0113	AT	3540C
Aroclor-1248 (PCB-1248)	ND		1	0.0200	0.0500	ug/100cm2	08/06/20 10:01	08/06/20 15:17	B0H0113	AT	3540C
Aroclor-1254 (PCB-1254)	**0.154**		1	0.0200	0.0500	ug/100cm2	08/06/20 10:01	08/06/20 15:17	B0H0113	AT	3540C
Aroclor-1260 (PCB-1260)	ND		1	0.0200	0.0500	ug/100cm2	08/06/20 10:01	08/06/20 15:17	B0H0113	AT	3540C
Aroclor-1262 (PCB-1262)	ND		1	0.0200	0.0500	ug/100cm2	08/06/20 10:01	08/06/20 15:17	B0H0113	AT	3540C
Aroclor-1268 (PCB-1268)	ND		1	0.0200	0.0500	ug/100cm2	08/06/20 10:01	08/06/20 15:17	B0H0113	AT	3540C
	Recovery				Acceptance Criteria						
Surrogate: Decachlorobiphenyl	*96.8%*				*30-150*		08/06/20 10:01	*08/06/20 15:17*	B0H0113	*AT*	3540C
Surrogate: Tetrachloro-m-xylene	*118%*				*30-150*		08/06/20 10:01	*08/06/20 15:17*	B0H0113	*AT*	3540C

AMERICAN ENVIRONMENTAL TESTING LABORATORY
2834 North Naomi Street Burbank, CA 91504 • ELAP# 1541 & 2402 • LACSD# 10181
TEL (888) 288-AETL • (818) 845-8200 • www.aetlab.com
A KYZER LABS COMPANY

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

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
PCBs											
Method: EPA 8082											
Aroclor-1016 (PCB-1016)	ND		1	0.0200	0.0500	ug/100cm2	08/06/20 10:01	08/06/20 15:37	B0H0113	AT	3540C
Aroclor-1221 (PCB-1221)	ND		1	0.0200	0.0500	ug/100cm2	08/06/20 10:01	08/06/20 15:37	B0H0113	AT	3540C
Aroclor-1232 (PCB-1232)	ND		1	0.0200	0.0500	ug/100cm2	08/06/20 10:01	08/06/20 15:37	B0H0113	AT	3540C
Aroclor-1242 (PCB-1242)	ND		1	0.0200	0.0500	ug/100cm2	08/06/20 10:01	08/06/20 15:37	B0H0113	AT	3540C
Aroclor-1248 (PCB-1248)	ND		1	0.0200	0.0500	ug/100cm2	08/06/20 10:01	08/06/20 15:37	B0H0113	AT	3540C
Aroclor-1254 (PCB-1254)	**0.150**		1	0.0200	0.0500	ug/100cm2	08/06/20 10:01	08/06/20 15:37	B0H0113	AT	3540C
Aroclor-1260 (PCB-1260)	ND		1	0.0200	0.0500	ug/100cm2	08/06/20 10:01	08/06/20 15:37	B0H0113	AT	3540C
Aroclor-1262 (PCB-1262)	ND		1	0.0200	0.0500	ug/100cm2	08/06/20 10:01	08/06/20 15:37	B0H0113	AT	3540C
Aroclor-1268 (PCB-1268)	ND		1	0.0200	0.0500	ug/100cm2	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

AMERICAN ENVIRONMENTAL TESTING LABORATORY
2834 North Naomi Street Burbank, CA 91504 • ELAP# 1541 & 2402 • LACSD# 10181
TEL (888) 288-AETL • (818) 845-8200 • www.aetlab.com
A KYZER LABS COMPANY

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

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
PCBs											
Method: EPA 8082											
Aroclor-1016 (PCB-1016)	ND		1	0.0200	0.0500	ug/100cm2	08/06/20 10:01	08/06/20 15:57	B0H0113	AT	3540C
Aroclor-1221 (PCB-1221)	ND		1	0.0200	0.0500	ug/100cm2	08/06/20 10:01	08/06/20 15:57	B0H0113	AT	3540C
Aroclor-1232 (PCB-1232)	ND		1	0.0200	0.0500	ug/100cm2	08/06/20 10:01	08/06/20 15:57	B0H0113	AT	3540C
Aroclor-1242 (PCB-1242)	ND		1	0.0200	0.0500	ug/100cm2	08/06/20 10:01	08/06/20 15:57	B0H0113	AT	3540C
Aroclor-1248 (PCB-1248)	ND		1	0.0200	0.0500	ug/100cm2	08/06/20 10:01	08/06/20 15:57	B0H0113	AT	3540C
Aroclor-1254 (PCB-1254)	**0.0831**		1	0.0200	0.0500	ug/100cm2	08/06/20 10:01	08/06/20 15:57	B0H0113	AT	3540C
Aroclor-1260 (PCB-1260)	ND		1	0.0200	0.0500	ug/100cm2	08/06/20 10:01	08/06/20 15:57	B0H0113	AT	3540C
Aroclor-1262 (PCB-1262)	ND		1	0.0200	0.0500	ug/100cm2	08/06/20 10:01	08/06/20 15:57	B0H0113	AT	3540C
Aroclor-1268 (PCB-1268)	ND		1	0.0200	0.0500	ug/100cm2	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

AMERICAN ENVIRONMENTAL TESTING LABORATORY
2834 North Naomi Street Burbank, CA 91504 • ELAP# 1541 & 2402 • LACSD# 10181
TEL (888) 288-AETL • (818) 845-8200 • www.aetlab.com
A KYZER LABS COMPANY

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	

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
PCBs											
Method: EPA 8082											
Aroclor-1016 (PCB-1016)	ND		1	0.0200	0.0500	ug/100cm2	08/06/20 10:01	08/06/20 16:16	B0H0113	AT	3540C
Aroclor-1221 (PCB-1221)	ND		1	0.0200	0.0500	ug/100cm2	08/06/20 10:01	08/06/20 16:16	B0H0113	AT	3540C
Aroclor-1232 (PCB-1232)	ND		1	0.0200	0.0500	ug/100cm2	08/06/20 10:01	08/06/20 16:16	B0H0113	AT	3540C
Aroclor-1242 (PCB-1242)	ND		1	0.0200	0.0500	ug/100cm2	08/06/20 10:01	08/06/20 16:16	B0H0113	AT	3540C
Aroclor-1248 (PCB-1248)	ND		1	0.0200	0.0500	ug/100cm2	08/06/20 10:01	08/06/20 16:16	B0H0113	AT	3540C
Aroclor-1254 (PCB-1254)	**0.0998**		1	0.0200	0.0500	ug/100cm2	08/06/20 10:01	08/06/20 16:16	B0H0113	AT	3540C
Aroclor-1260 (PCB-1260)	ND		1	0.0200	0.0500	ug/100cm2	08/06/20 10:01	08/06/20 16:16	B0H0113	AT	3540C
Aroclor-1262 (PCB-1262)	ND		1	0.0200	0.0500	ug/100cm2	08/06/20 10:01	08/06/20 16:16	B0H0113	AT	3540C
Aroclor-1268 (PCB-1268)	ND		1	0.0200	0.0500	ug/100cm2	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

AMERICAN ENVIRONMENTAL TESTING LABORATORY
2834 North Naomi Street Burbank, CA 91504 • ELAP# 1541 & 2402 • LACSD# 10181
TEL (888) 288-AETL • (818) 845-8200 • www.aetlab.com
A KYZER LABS COMPANY

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
Batch: B0H0113 - 3540C					**Prepared: 08/06/2020 10:01**						
Method Blank (B0H0113-BLK1)					**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*			

AMERICAN ENVIRONMENTAL TESTING LABORATORY
2834 North Naomi Street Burbank, CA 91504 • ELAP# 1541 & 2402 • LACSD# 10181
TEL (888) 288-AETL • (818) 845-8200 • www.aetlab.com
A KYZER LABS COMPANY

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
Batch: B0H0113 - 3540C (Continued)					**Prepared: 08/06/2020 10:01**						
LCS (B0H0113-BS1)					**Analyzed: 08/06/2020 13:38**						
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			
Surrogate: Decachlorobiphenyl	*0.0669*			*ug/100cm2*	*0.0500000*		*134*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0610*			*ug/100cm2*	*0.0500000*		*122*	*30-150*			
LCSD (B0H0113-BSD1)					**Analyzed: 08/06/2020 13:58**						
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	
Surrogate: Decachlorobiphenyl	*0.0682*			*ug/100cm2*	*0.0500000*		*136*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0664*			*ug/100cm2*	*0.0500000*		*133*	*30-150*			

AMERICAN ENVIRONMENTAL TESTING LABORATORY
2834 North Naomi Street Burbank, CA 91504 • ELAP# 1541 & 2402 • LACSD# 10181
TEL (888) 288-AETL • (818) 845-8200 • www.aetlab.com
A KYZER LABS COMPANY

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 equivalant 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

AMERICAN ENVIRONMENTAL TESTING LABORATORY
2834 North Naomi Street Burbank, CA 91504 • ELAP# 1541 & 2402 • LACSD# 10181
TEL (888) 288-AETL • (818) 845-8200 • www.aetlab.com
A KYZER LABS COMPANY

August 04, 2020

AETL Job No: BBG0308
Project Number: SMSD-20-9592
Received Date: 07/31/2020

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

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

Harriet Torosyan
Project Manager

Approved By:

Corey Jones
Project Manager

Table of Contents

Client Project Name: Malibu High School (SMSD-20-9592)
Work Order Number: BBG0308

AMERICAN ENVIRONMENTAL TESTING LABORATORY
2834 North Naomi Street Burbank, CA 91504 • ELAP# 1541 & 2402 • LACSD# 10181
TEL (888) 288-AETL • (818) 845-8200 • www.aetlab.com
A KYZER LABS COMPANY

NV5	AETL Job Number:	BBG0308	Site:	Malibu High School	
3777 Long Beach Boulevard, Annex Building	Project Number:	SMSD-20-9592		30215 Morning View Dr.	
Long Beach, CA 90807	Project Manager:	Jonathan Barkman		Malibu, CA	
	Project Name:	Malibu High School	Reported:	08/04/2020 15:01	

Sample Condition on Receipt

Cooler ID: Default Cooler **Temperature: 2.0 °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

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

A KYZER LABS COMPANY

CHAIN OF CUSTODY RECORD

119741

AETL JOB No. BBG0308

Page 1 of 1

COMPANY	NV5 - Alta Environmental
COMPANY ADDRESS	3777 Long Beach Blvd Annex Bldg, Long Beach
PROJECT NAME	Malibu High School
SITE NAME AND ADDRESS	30215 Morning View Dr, Malibu ~~Canyon~~ Av.
PROJECT MANAGER	Dave Shack
PHONE	310.951.9482
EMAIL	David.Shack@NV5.com
PROJECT #	SMSD-20-9592
PO #	

	SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	ANALYSIS REQUESTED: EPA 8082	ANALYSIS REQUESTED: Soxhlet Extraction	TEST INSTRUCTIONS & COMMENTS
1	I73020-1	BBG0308.01	7/30/20	1450	AIR	1	ICE	X	X	
2	I73020-2	BBG0308.02	7/30/20	1511	AIR	"	"	X	X	
3	WZ73020-1	BBG0308.03	7/30/20	1501	WIPE	"	"	X	X	
4	WZ73020-2	BBG0308.04	7/30/20	1505	"	"	"	X	X	
5	WZ73020-3	BBG0308.05	7/30/20	1520	"	"	"	X	X	
6	WZ73020-4	BBG0308.06	7/30/20	1530	"	"	"	X	X	
7	J073120-1	BBG0308.07	7/31/20	1430	"	"	"	X	X	
8	J073120-2	BBG0308.08	"	1435	"	"	"	X	X	
9	J073120-3	BBG0308.09	"	1440	"	"	"	X	X	
10	J073120-4	BBG0308.10	"	1445	"	"	"	X	X	
11	J073120-5	BBG0308.11	"	1450	"	"	"	X	X	
12	I73020-3	BBG0308.12	7/30/20	—	BLANK	1	ICE	X	X	
13										
14										
15										

TOTAL NUMBER OF CONTAINERS: 12

BILLING INFORMATION / SPECIAL INSTRUCTIONS

cc: Dave Shack

RELINQUISHED BY SAMPLER: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature:	Signature: Alondra Villanueva	Signature:
Printed Name: RANDY FLORES	Printed Name: Alondra Villanueva	Printed Name:
Date: 7-31-20 Time: 1530	Date: 073120 Time: 1530	Date: 7/31/20 Time: 1718
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY LABORATORY: 3.**
Signature:	Signature:	Signature:
Printed Name:	Printed Name:	Printed Name: Sanjis-Pirak
Date: Time:	Date: 7/31/20 Time: 1530	Date: 7/31/20 Time: 1718

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) _____

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

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
A KYZER LABS COMPANY

COOLER RECEIPT FORM

Client Name: NVS

Project Name:

AETL Job Number: BBG0308

Date Received: 7/31/20 Received by: Sanjis- Pirah

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

Samples were received in: ☒ Cooler (1) ☐ Other (Specify):

Inside temperature of shipping container No 1: 3.0 °C, No 2: , 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?	✓		

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:

NV5 3777 Long Beach Boulevard, Annex Building Long Beach, CA 90807	AETL Job Number: Project Number: Project Manager: Project Name:	BBG0308 SMSD-20-9592 Jonathan Barkman Malibu High School	Site: Reported:	Malibu High School 30215 Morning View Dr. Malibu, CA 08/04/2020 15:01

Samples Received

AETL received the following samples on 07/31/2020 with the following specifications

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

Lab ID	Client ID	Sample Date	Matrix	Quantity of Containers
BBG0308-01	I73020-1	07/30/20 14:50	Air	1

Analysis	Units	TAT
EPA TO-10A	ng/m³	5

Lab ID	Client ID	Sample Date	Matrix	Quantity of Containers
BBG0308-02	I73020-2	07/30/20 15:11	Air	1

Analysis	Units	TAT
EPA TO-10A	ng/m³	5

Lab ID	Client ID	Sample Date	Matrix	Quantity of Containers
BBG0308-03	WZ73020-1	07/30/20 15:01	Wipe	1

Analysis	Units	TAT
EPA 8082	ug/100cm2	5

Lab ID	Client ID	Sample Date	Matrix	Quantity of Containers
BBG0308-04	WZ73020-2	07/30/20 15:05	Wipe	1

Analysis	Units	TAT
EPA 8082	ug/100cm2	5

Lab ID	Client ID	Sample Date	Matrix	Quantity of Containers
BBG0308-05	WZ73020-3	07/30/20 15:20	Wipe	1

Analysis	Units	TAT
EPA 8082	ug/100cm2	5

Lab ID	Client ID	Sample Date	Matrix	Quantity of Containers
BBG0308-06	WZ73020-4	07/30/20 15:30	Wipe	1

Analysis	Units	TAT
EPA 8082	ug/100cm2	5

NV5 3777 Long Beach Boulevard, Annex Building Long Beach, CA 90807	AETL Job Number: Project Number: Project Manager: Project Name:	BBG0308 SMSD-20-9592 Jonathan Barkman Malibu High School	Site: Reported:	Malibu High School 30215 Morning View Dr. Malibu, CA 08/04/2020 15:01

Samples Received
(Continued)

AETL received the following samples on 07/31/2020 with the following specifications

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

Lab ID	Client ID	Sample Date	Matrix	Quantity of Containers
BBG0308-07	J073120-1	07/31/20 14:30	Wipe	1

Analysis	Units	TAT
EPA 8082	ug/100cm2	5

Lab ID	Client ID	Sample Date	Matrix	Quantity of Containers
BBG0308-08	J073120-2	07/31/20 14:35	Wipe	1

Analysis	Units	TAT
EPA 8082	ug/100cm2	5

Lab ID	Client ID	Sample Date	Matrix	Quantity of Containers
BBG0308-09	J073120-3	07/31/20 14:40	Wipe	1

Analysis	Units	TAT
EPA 8082	ug/100cm2	5

Lab ID	Client ID	Sample Date	Matrix	Quantity of Containers
BBG0308-10	J073120-4	07/31/20 14:45	Wipe	1

Analysis	Units	TAT
EPA 8082	ug/100cm2	5

Lab ID	Client ID	Sample Date	Matrix	Quantity of Containers
BBG0308-11	J073120-5	07/31/20 14:50	Wipe	1

Analysis	Units	TAT
EPA 8082	ug/100cm2	5

Lab ID	Client ID	Sample Date	Matrix	Quantity of Containers
BBG0308-12	I73020-3	07/30/20 14:50	Air	1

Analysis	Units	TAT
EPA TO-10A	ng/m³	5

AMERICAN ENVIRONMENTAL TESTING LABORATORY
2834 North Naomi Street Burbank, CA 91504 • ELAP# 1541 & 2402 • LACSD# 10181
TEL (888) 288-AETL • (818) 845-8200 • www.aetlab.com
A KYZER LABS COMPANY

NV5	AETL Job Number:	BBG0308	Site:	Malibu High School
3777 Long Beach Boulevard, Annex Building	Project Number:	SMSD-20-9592		30215 Morning View Dr.
Long Beach, CA 90807	Project Manager:	Jonathan Barkman		Malibu, CA
	Project Name:	Malibu High School	Reported:	08/04/2020 15:01

Total Number of Samples received: **12**

AMERICAN ENVIRONMENTAL TESTING LABORATORY
2834 North Naomi Street Burbank, CA 91504 • ELAP# 1541 & 2402 • LACSD# 10181
TEL (888) 288-AETL • (818) 845-8200 • www.aetlab.com
A KYZER LABS COMPANY

NV5	AETL Job Number:	BBG0308	Site:	Malibu High School	
3777 Long Beach Boulevard, Annex Building	Project Number:	SMSD-20-9592		30215 Morning View Dr.	
Long Beach, CA 90807	Project Manager:	Jonathan Barkman		Malibu, CA	
	Project Name:	Malibu High School	Reported:	08/04/2020 15:01	

Positive Hits Summary

Lab ID **BBG0308-01** **Client ID** I73020-1 Received: 07/31/2020 17:18

Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA TO-10A	**Aroclor-1254 (PCB-1254)**	**30.9**		**ng/m³**	**08/03/2020 09:37**

Lab ID **BBG0308-04** **Client ID** WZ73020-2 Received: 07/31/2020 17:18

Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 8082	**Aroclor-1254 (PCB-1254)**	**0.0366**	**J**	**ug/100cm2**	**08/03/2020 11:21**

AMERICAN ENVIRONMENTAL TESTING LABORATORY
2834 North Naomi Street Burbank, CA 91504 • ELAP# 1541 & 2402 • LACSD# 10181
TEL (888) 288-AETL • (818) 845-8200 • www.aetlab.com
A KYZER LABS COMPANY

NV5	AETL Job Number:	BBG0308	Site:	Malibu High School	
3777 Long Beach Boulevard, Annex Building	Project Number:	SMSD-20-9592		30215 Morning View Dr.	
Long Beach, CA 90807	Project Manager:	Jonathan Barkman		Malibu, CA	
	Project Name:	Malibu High School	Reported:	08/04/2020 15:01	

Analytical Results

Client ID: I73020-1

Lab ID: BBG0308-01 (Air)

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	0.0500	0.100	ng/m³	07/31/20 18:00	08/03/20 09:37	B0H0008	ATS	3540C
Aroclor-1221 (PCB-1221)	ND		1	0.0500	0.100	ng/m³	07/31/20 18:00	08/03/20 09:37	B0H0008	ATS	3540C
Aroclor-1232 (PCB-1232)	ND		1	0.0500	0.100	ng/m³	07/31/20 18:00	08/03/20 09:37	B0H0008	ATS	3540C
Aroclor-1242 (PCB-1242)	ND		1	0.0500	0.100	ng/m³	07/31/20 18:00	08/03/20 09:37	B0H0008	ATS	3540C
Aroclor-1248 (PCB-1248)	ND		1	0.0500	0.100	ng/m³	07/31/20 18:00	08/03/20 09:37	B0H0008	ATS	3540C
Aroclor-1254 (PCB-1254)	**30.9**		1	0.0500	0.100	ng/m³	07/31/20 18:00	08/03/20 09:37	B0H0008	ATS	3540C
Aroclor-1260 (PCB-1260)	ND		1	0.0500	0.100	ng/m³	07/31/20 18:00	08/03/20 09:37	B0H0008	ATS	3540C
Aroclor-1262 (PCB-1262)	ND		1	0.0500	0.100	ng/m³	07/31/20 18:00	08/03/20 09:37	B0H0008	ATS	3540C
Aroclor-1268 (PCB-1268)	ND		1	0.0500	0.100	ng/m³	07/31/20 18:00	08/03/20 09:37	B0H0008	ATS	3540C
	Recovery				Acceptance Criteria						
Surrogate: Decachlorobiphenyl	*66.3%*				*30-150*		07/31/20 18:00	*08/03/20 09:37*	B0H0008	*ATS*	3540C
Surrogate: Tetrachloro-m-xylene	*43.3%*				*30-150*		07/31/20 18:00	*08/03/20 09:37*	B0H0008	*ATS*	3540C

AMERICAN ENVIRONMENTAL TESTING LABORATORY
2834 North Naomi Street Burbank, CA 91504 • ELAP# 1541 & 2402 • LACSD# 10181
TEL (888) 288-AETL • (818) 845-8200 • www.aetlab.com
A KYZER LABS COMPANY

NV5	AETL Job Number:	BBG0308	Site:	Malibu High School	
3777 Long Beach Boulevard, Annex Building	Project Number:	SMSD-20-9592		30215 Morning View Dr.	
Long Beach, CA 90807	Project Manager:	Jonathan Barkman		Malibu, CA	
	Project Name:	Malibu High School	Reported:	08/04/2020 15:01	

Analytical Results

Client ID: I73020-2

Lab ID: BBG0308-02 (Air)

Semivolatile Organic Compounds

Method: EPA TO-10A

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
Aroclor-1016 (PCB-1016)	ND		1	0.0500	0.100	ng/m³	07/31/20 18:00	08/03/20 09:52	B0H0008	ATS	3540C
Aroclor-1221 (PCB-1221)	ND		1	0.0500	0.100	ng/m³	07/31/20 18:00	08/03/20 09:52	B0H0008	ATS	3540C
Aroclor-1232 (PCB-1232)	ND		1	0.0500	0.100	ng/m³	07/31/20 18:00	08/03/20 09:52	B0H0008	ATS	3540C
Aroclor-1242 (PCB-1242)	ND		1	0.0500	0.100	ng/m³	07/31/20 18:00	08/03/20 09:52	B0H0008	ATS	3540C
Aroclor-1248 (PCB-1248)	ND		1	0.0500	0.100	ng/m³	07/31/20 18:00	08/03/20 09:52	B0H0008	ATS	3540C
Aroclor-1254 (PCB-1254)	ND		1	0.0500	0.100	ng/m³	07/31/20 18:00	08/03/20 09:52	B0H0008	ATS	3540C
Aroclor-1260 (PCB-1260)	ND		1	0.0500	0.100	ng/m³	07/31/20 18:00	08/03/20 09:52	B0H0008	ATS	3540C
Aroclor-1262 (PCB-1262)	ND		1	0.0500	0.100	ng/m³	07/31/20 18:00	08/03/20 09:52	B0H0008	ATS	3540C
Aroclor-1268 (PCB-1268)	ND		1	0.0500	0.100	ng/m³	07/31/20 18:00	08/03/20 09:52	B0H0008	ATS	3540C
	Recovery				Acceptance Criteria						
Surrogate: Decachlorobiphenyl	*31.2%*				*30-150*		07/31/20 18:00	*08/03/20 09:52*	B0H0008	*ATS*	3540C
Surrogate: Tetrachloro-m-xylene	*37.4%*				*30-150*		07/31/20 18:00	*08/03/20 09:52*	B0H0008	*ATS*	3540C

AMERICAN ENVIRONMENTAL TESTING LABORATORY
2834 North Naomi Street Burbank, CA 91504 • ELAP# 1541 & 2402 • LACSD# 10181
TEL (888) 288-AETL • (818) 845-8200 • www.aetlab.com
A KYZER LABS COMPANY

NV5	AETL Job Number:	BBG0308	Site: Malibu High School
3777 Long Beach Boulevard, Annex Building	Project Number:	SMSD-20-9592	30215 Morning View Dr.
Long Beach, CA 90807	Project Manager:	Jonathan Barkman	Malibu, CA
	Project Name:	Malibu High School	Reported: 08/04/2020 15:01

Analytical Results

Client ID: WZ73020-1
Lab ID: BBG0308-03 (Wipe)

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
PCBs											
Method: EPA 8082											
Aroclor-1016 (PCB-1016)	ND		1	0.0200	0.0500	ug/100cm2	07/31/20 18:00	08/03/20 11:06	B0H0010	AT	3540C
Aroclor-1221 (PCB-1221)	ND		1	0.0200	0.0500	ug/100cm2	07/31/20 18:00	08/03/20 11:06	B0H0010	AT	3540C
Aroclor-1232 (PCB-1232)	ND		1	0.0200	0.0500	ug/100cm2	07/31/20 18:00	08/03/20 11:06	B0H0010	AT	3540C
Aroclor-1242 (PCB-1242)	ND		1	0.0200	0.0500	ug/100cm2	07/31/20 18:00	08/03/20 11:06	B0H0010	AT	3540C
Aroclor-1248 (PCB-1248)	ND		1	0.0200	0.0500	ug/100cm2	07/31/20 18:00	08/03/20 11:06	B0H0010	AT	3540C
Aroclor-1254 (PCB-1254)	ND		1	0.0200	0.0500	ug/100cm2	07/31/20 18:00	08/03/20 11:06	B0H0010	AT	3540C
Aroclor-1260 (PCB-1260)	ND		1	0.0200	0.0500	ug/100cm2	07/31/20 18:00	08/03/20 11:06	B0H0010	AT	3540C
Aroclor-1262 (PCB-1262)	ND		1	0.0200	0.0500	ug/100cm2	07/31/20 18:00	08/03/20 11:06	B0H0010	AT	3540C
Aroclor-1268 (PCB-1268)	ND		1	0.0200	0.0500	ug/100cm2	07/31/20 18:00	08/03/20 11:06	B0H0010	AT	3540C
	Recovery				Acceptance Criteria						
Surrogate: Decachlorobiphenyl	*60.4%*				*30-150*		07/31/20 18:00	*08/03/20 11:06*	B0H0010	*AT*	3540C
Surrogate: Tetrachloro-m-xylene	*52.2%*				*30-150*		07/31/20 18:00	*08/03/20 11:06*	B0H0010	*AT*	3540C

AMERICAN ENVIRONMENTAL TESTING LABORATORY
2834 North Naomi Street Burbank, CA 91504 • ELAP# 1541 & 2402 • LACSD# 10181
TEL (888) 288-AETL • (818) 845-8200 • www.aetlab.com
A KYZER LABS COMPANY

NV5	AETL Job Number:	BBG0308	Site: Malibu High School
3777 Long Beach Boulevard, Annex Building	Project Number:	SMSD-20-9592	30215 Morning View Dr.
Long Beach, CA 90807	Project Manager:	Jonathan Barkman	Malibu, CA
	Project Name:	Malibu High School	Reported: 08/04/2020 15:01

Analytical Results

Client ID: WZ73020-2
Lab ID: BBG0308-04 (Wipe)

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
PCBs											
Method: EPA 8082											
Aroclor-1016 (PCB-1016)	ND		1	0.0200	0.0500	ug/100cm2	07/31/20 18:00	08/03/20 11:21	B0H0010	AT	3540C
Aroclor-1221 (PCB-1221)	ND		1	0.0200	0.0500	ug/100cm2	07/31/20 18:00	08/03/20 11:21	B0H0010	AT	3540C
Aroclor-1232 (PCB-1232)	ND		1	0.0200	0.0500	ug/100cm2	07/31/20 18:00	08/03/20 11:21	B0H0010	AT	3540C
Aroclor-1242 (PCB-1242)	ND		1	0.0200	0.0500	ug/100cm2	07/31/20 18:00	08/03/20 11:21	B0H0010	AT	3540C
Aroclor-1248 (PCB-1248)	ND		1	0.0200	0.0500	ug/100cm2	07/31/20 18:00	08/03/20 11:21	B0H0010	AT	3540C
Aroclor-1254 (PCB-1254)	**0.0366**	J	1	0.0200	0.0500	ug/100cm2	07/31/20 18:00	08/03/20 11:21	B0H0010	AT	3540C
Aroclor-1260 (PCB-1260)	ND		1	0.0200	0.0500	ug/100cm2	07/31/20 18:00	08/03/20 11:21	B0H0010	AT	3540C
Aroclor-1262 (PCB-1262)	ND		1	0.0200	0.0500	ug/100cm2	07/31/20 18:00	08/03/20 11:21	B0H0010	AT	3540C
Aroclor-1268 (PCB-1268)	ND		1	0.0200	0.0500	ug/100cm2	07/31/20 18:00	08/03/20 11:21	B0H0010	AT	3540C
	Recovery				Acceptance Criteria						
Surrogate: Decachlorobiphenyl	*33.6%*				*30-150*		07/31/20 18:00	*08/03/20 11:21*	B0H0010	*AT*	3540C
Surrogate: Tetrachloro-m-xylene	*47.1%*				*30-150*		07/31/20 18:00	*08/03/20 11:21*	B0H0010	*AT*	3540C

AMERICAN ENVIRONMENTAL TESTING LABORATORY
2834 North Naomi Street Burbank, CA 91504 • ELAP# 1541 & 2402 • LACSD# 10181
TEL (888) 288-AETL • (818) 845-8200 • www.aetlab.com
A KYZER LABS COMPANY

NV5	AETL Job Number:	BBG0308	Site: Malibu High School
3777 Long Beach Boulevard, Annex Building	Project Number:	SMSD-20-9592	30215 Morning View Dr.
Long Beach, CA 90807	Project Manager:	Jonathan Barkman	Malibu, CA
	Project Name:	Malibu High School	Reported: 08/04/2020 15:01

Analytical Results

Client ID: WZ73020-3
Lab ID: BBG0308-05 (Wipe)

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
PCBs											
Method: EPA 8082											
Aroclor-1016 (PCB-1016)	ND		1	0.0200	0.0500	ug/100cm2	07/31/20 18:00	08/03/20 12:39	B0H0010	AT	3540C
Aroclor-1221 (PCB-1221)	ND		1	0.0200	0.0500	ug/100cm2	07/31/20 18:00	08/03/20 12:39	B0H0010	AT	3540C
Aroclor-1232 (PCB-1232)	ND		1	0.0200	0.0500	ug/100cm2	07/31/20 18:00	08/03/20 12:39	B0H0010	AT	3540C
Aroclor-1242 (PCB-1242)	ND		1	0.0200	0.0500	ug/100cm2	07/31/20 18:00	08/03/20 12:39	B0H0010	AT	3540C
Aroclor-1248 (PCB-1248)	ND		1	0.0200	0.0500	ug/100cm2	07/31/20 18:00	08/03/20 12:39	B0H0010	AT	3540C
Aroclor-1254 (PCB-1254)	ND		1	0.0200	0.0500	ug/100cm2	07/31/20 18:00	08/03/20 12:39	B0H0010	AT	3540C
Aroclor-1260 (PCB-1260)	ND		1	0.0200	0.0500	ug/100cm2	07/31/20 18:00	08/03/20 12:39	B0H0010	AT	3540C
Aroclor-1262 (PCB-1262)	ND		1	0.0200	0.0500	ug/100cm2	07/31/20 18:00	08/03/20 12:39	B0H0010	AT	3540C
Aroclor-1268 (PCB-1268)	ND		1	0.0200	0.0500	ug/100cm2	07/31/20 18:00	08/03/20 12:39	B0H0010	AT	3540C
	Recovery				Acceptance Criteria						
Surrogate: Decachlorobiphenyl	*75.8%*				*30-150*		07/31/20 18:00	*08/03/20 12:39*	B0H0010	*AT*	3540C
Surrogate: Tetrachloro-m-xylene	*50.7%*				*30-150*		07/31/20 18:00	*08/03/20 12:39*	B0H0010	*AT*	3540C

AMERICAN ENVIRONMENTAL TESTING LABORATORY
2834 North Naomi Street Burbank, CA 91504 • ELAP# 1541 & 2402 • LACSD# 10181
TEL (888) 288-AETL • (818) 845-8200 • www.aetlab.com
A KYZER LABS COMPANY

NV5	AETL Job Number:	BBG0308	Site: Malibu High School
3777 Long Beach Boulevard, Annex Building	Project Number:	SMSD-20-9592	30215 Morning View Dr.
Long Beach, CA 90807	Project Manager:	Jonathan Barkman	Malibu, CA
	Project Name:	Malibu High School	Reported: 08/04/2020 15:01

Analytical Results

Client ID: WZ73020-4
Lab ID: BBG0308-06 (Wipe)

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
PCBs											
Method: EPA 8082											
Aroclor-1016 (PCB-1016)	ND		1	0.0200	0.0500	ug/100cm2	07/31/20 18:00	08/03/20 12:54	B0H0010	AT	3540C
Aroclor-1221 (PCB-1221)	ND		1	0.0200	0.0500	ug/100cm2	07/31/20 18:00	08/03/20 12:54	B0H0010	AT	3540C
Aroclor-1232 (PCB-1232)	ND		1	0.0200	0.0500	ug/100cm2	07/31/20 18:00	08/03/20 12:54	B0H0010	AT	3540C
Aroclor-1242 (PCB-1242)	ND		1	0.0200	0.0500	ug/100cm2	07/31/20 18:00	08/03/20 12:54	B0H0010	AT	3540C
Aroclor-1248 (PCB-1248)	ND		1	0.0200	0.0500	ug/100cm2	07/31/20 18:00	08/03/20 12:54	B0H0010	AT	3540C
Aroclor-1254 (PCB-1254)	ND		1	0.0200	0.0500	ug/100cm2	07/31/20 18:00	08/03/20 12:54	B0H0010	AT	3540C
Aroclor-1260 (PCB-1260)	ND		1	0.0200	0.0500	ug/100cm2	07/31/20 18:00	08/03/20 12:54	B0H0010	AT	3540C
Aroclor-1262 (PCB-1262)	ND		1	0.0200	0.0500	ug/100cm2	07/31/20 18:00	08/03/20 12:54	B0H0010	AT	3540C
Aroclor-1268 (PCB-1268)	ND		1	0.0200	0.0500	ug/100cm2	07/31/20 18:00	08/03/20 12:54	B0H0010	AT	3540C
	Recovery				Acceptance Criteria						
Surrogate: Decachlorobiphenyl	*42.0%*				*30-150*		07/31/20 18:00	*08/03/20 12:54*	B0H0010	*AT*	3540C
Surrogate: Tetrachloro-m-xylene	*52.2%*				*30-150*		07/31/20 18:00	*08/03/20 12:54*	B0H0010	*AT*	3540C

AMERICAN ENVIRONMENTAL TESTING LABORATORY
2834 North Naomi Street Burbank, CA 91504 • ELAP# 1541 & 2402 • LACSD# 10181
TEL (888) 288-AETL • (818) 845-8200 • www.aetlab.com
A KYZER LABS COMPANY

NV5	AETL Job Number:	BBG0308	Site:	Malibu High School	
3777 Long Beach Boulevard, Annex Building	Project Number:	SMSD-20-9592		30215 Morning View Dr.	
Long Beach, CA 90807	Project Manager:	Jonathan Barkman		Malibu, CA	
	Project Name:	Malibu High School	Reported:	08/04/2020 15:01	

Analytical Results

Client ID: J073120-1

Lab ID: BBG0308-07 (Wipe)

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
PCBs											
Method: EPA 8082											
Aroclor-1016 (PCB-1016)	ND		1	0.0200	0.0500	ug/100cm2	07/31/20 18:00	08/03/20 13:08	B0H0010	AT	3540C
Aroclor-1221 (PCB-1221)	ND		1	0.0200	0.0500	ug/100cm2	07/31/20 18:00	08/03/20 13:08	B0H0010	AT	3540C
Aroclor-1232 (PCB-1232)	ND		1	0.0200	0.0500	ug/100cm2	07/31/20 18:00	08/03/20 13:08	B0H0010	AT	3540C
Aroclor-1242 (PCB-1242)	ND		1	0.0200	0.0500	ug/100cm2	07/31/20 18:00	08/03/20 13:08	B0H0010	AT	3540C
Aroclor-1248 (PCB-1248)	ND		1	0.0200	0.0500	ug/100cm2	07/31/20 18:00	08/03/20 13:08	B0H0010	AT	3540C
Aroclor-1254 (PCB-1254)	ND		1	0.0200	0.0500	ug/100cm2	07/31/20 18:00	08/03/20 13:08	B0H0010	AT	3540C
Aroclor-1260 (PCB-1260)	ND		1	0.0200	0.0500	ug/100cm2	07/31/20 18:00	08/03/20 13:08	B0H0010	AT	3540C
Aroclor-1262 (PCB-1262)	ND		1	0.0200	0.0500	ug/100cm2	07/31/20 18:00	08/03/20 13:08	B0H0010	AT	3540C
Aroclor-1268 (PCB-1268)	ND		1	0.0200	0.0500	ug/100cm2	07/31/20 18:00	08/03/20 13:08	B0H0010	AT	3540C
	Recovery				Acceptance Criteria						
Surrogate: Decachlorobiphenyl	*43.3%*				*30-150*		07/31/20 18:00	*08/03/20 13:08*	B0H0010	*AT*	3540C
Surrogate: Tetrachloro-m-xylene	*66.9%*				*30-150*		07/31/20 18:00	*08/03/20 13:08*	B0H0010	*AT*	3540C

AMERICAN ENVIRONMENTAL TESTING LABORATORY
2834 North Naomi Street Burbank, CA 91504 • ELAP# 1541 & 2402 • LACSD# 10181
TEL (888) 288-AETL • (818) 845-8200 • www.aetlab.com
A KYZER LABS COMPANY

NV5	AETL Job Number:	BBG0308	Site:	Malibu High School	
3777 Long Beach Boulevard, Annex Building	Project Number:	SMSD-20-9592		30215 Morning View Dr.	
Long Beach, CA 90807	Project Manager:	Jonathan Barkman		Malibu, CA	
	Project Name:	Malibu High School	Reported:	08/04/2020 15:01	

Analytical Results

Client ID: J073120-2

Lab ID: BBG0308-08 (Wipe)

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
PCBs											
Method: EPA 8082											
Aroclor-1016 (PCB-1016)	ND		1	0.0200	0.0500	ug/100cm2	07/31/20 18:00	08/03/20 13:23	B0H0010	AT	3540C
Aroclor-1221 (PCB-1221)	ND		1	0.0200	0.0500	ug/100cm2	07/31/20 18:00	08/03/20 13:23	B0H0010	AT	3540C
Aroclor-1232 (PCB-1232)	ND		1	0.0200	0.0500	ug/100cm2	07/31/20 18:00	08/03/20 13:23	B0H0010	AT	3540C
Aroclor-1242 (PCB-1242)	ND		1	0.0200	0.0500	ug/100cm2	07/31/20 18:00	08/03/20 13:23	B0H0010	AT	3540C
Aroclor-1248 (PCB-1248)	ND		1	0.0200	0.0500	ug/100cm2	07/31/20 18:00	08/03/20 13:23	B0H0010	AT	3540C
Aroclor-1254 (PCB-1254)	ND		1	0.0200	0.0500	ug/100cm2	07/31/20 18:00	08/03/20 13:23	B0H0010	AT	3540C
Aroclor-1260 (PCB-1260)	ND		1	0.0200	0.0500	ug/100cm2	07/31/20 18:00	08/03/20 13:23	B0H0010	AT	3540C
Aroclor-1262 (PCB-1262)	ND		1	0.0200	0.0500	ug/100cm2	07/31/20 18:00	08/03/20 13:23	B0H0010	AT	3540C
Aroclor-1268 (PCB-1268)	ND		1	0.0200	0.0500	ug/100cm2	07/31/20 18:00	08/03/20 13:23	B0H0010	AT	3540C
	Recovery				Acceptance Criteria						
Surrogate: Decachlorobiphenyl	*31.0%*				*30-150*		07/31/20 18:00	*08/03/20 13:23*	B0H0010	*AT*	3540C
Surrogate: Tetrachloro-m-xylene	*43.7%*				*30-150*		07/31/20 18:00	*08/03/20 13:23*	B0H0010	*AT*	3540C

AMERICAN ENVIRONMENTAL TESTING LABORATORY
2834 North Naomi Street Burbank, CA 91504 • ELAP# 1541 & 2402 • LACSD# 10181
TEL (888) 288-AETL • (818) 845-8200 • www.aetlab.com
A KYZER LABS COMPANY

NV5	AETL Job Number:	BBG0308	Site:	Malibu High School	
3777 Long Beach Boulevard, Annex Building	Project Number:	SMSD-20-9592		30215 Morning View Dr.	
Long Beach, CA 90807	Project Manager:	Jonathan Barkman		Malibu, CA	
	Project Name:	Malibu High School	Reported:	08/04/2020 15:01	

Analytical Results

Client ID: J073120-3

Lab ID: BBG0308-09 (Wipe)

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
PCBs											
Method: EPA 8082											
Aroclor-1016 (PCB-1016)	ND		1	0.0200	0.0500	ug/100cm2	07/31/20 18:00	08/03/20 13:38	B0H0010	AT	3540C
Aroclor-1221 (PCB-1221)	ND		1	0.0200	0.0500	ug/100cm2	07/31/20 18:00	08/03/20 13:38	B0H0010	AT	3540C
Aroclor-1232 (PCB-1232)	ND		1	0.0200	0.0500	ug/100cm2	07/31/20 18:00	08/03/20 13:38	B0H0010	AT	3540C
Aroclor-1242 (PCB-1242)	ND		1	0.0200	0.0500	ug/100cm2	07/31/20 18:00	08/03/20 13:38	B0H0010	AT	3540C
Aroclor-1248 (PCB-1248)	ND		1	0.0200	0.0500	ug/100cm2	07/31/20 18:00	08/03/20 13:38	B0H0010	AT	3540C
Aroclor-1254 (PCB-1254)	ND		1	0.0200	0.0500	ug/100cm2	07/31/20 18:00	08/03/20 13:38	B0H0010	AT	3540C
Aroclor-1260 (PCB-1260)	ND		1	0.0200	0.0500	ug/100cm2	07/31/20 18:00	08/03/20 13:38	B0H0010	AT	3540C
Aroclor-1262 (PCB-1262)	ND		1	0.0200	0.0500	ug/100cm2	07/31/20 18:00	08/03/20 13:38	B0H0010	AT	3540C
Aroclor-1268 (PCB-1268)	ND		1	0.0200	0.0500	ug/100cm2	07/31/20 18:00	08/03/20 13:38	B0H0010	AT	3540C
	Recovery				Acceptance Criteria						
Surrogate: Decachlorobiphenyl	*59.4%*				*30-150*		07/31/20 18:00	*08/03/20 13:38*	B0H0010	*AT*	3540C
Surrogate: Tetrachloro-m-xylene	*38.2%*				*30-150*		07/31/20 18:00	*08/03/20 13:38*	B0H0010	*AT*	3540C

AMERICAN ENVIRONMENTAL TESTING LABORATORY
2834 North Naomi Street Burbank, CA 91504 • ELAP# 1541 & 2402 • LACSD# 10181
TEL (888) 288-AETL • (818) 845-8200 • www.aetlab.com
A KYZER LABS COMPANY

NV5	AETL Job Number:	BBG0308	Site: Malibu High School
3777 Long Beach Boulevard, Annex Building	Project Number:	SMSD-20-9592	30215 Morning View Dr.
Long Beach, CA 90807	Project Manager:	Jonathan Barkman	Malibu, CA
	Project Name:	Malibu High School	Reported: 08/04/2020 15:01

Analytical Results

Client ID: J073120-4
Lab ID: BBG0308-10 (Wipe)

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
PCBs											
Method: EPA 8082											
Aroclor-1016 (PCB-1016)	ND		1	0.0200	0.0500	ug/100cm2	07/31/20 18:00	08/03/20 13:53	B0H0010	AT	3540C
Aroclor-1221 (PCB-1221)	ND		1	0.0200	0.0500	ug/100cm2	07/31/20 18:00	08/03/20 13:53	B0H0010	AT	3540C
Aroclor-1232 (PCB-1232)	ND		1	0.0200	0.0500	ug/100cm2	07/31/20 18:00	08/03/20 13:53	B0H0010	AT	3540C
Aroclor-1242 (PCB-1242)	ND		1	0.0200	0.0500	ug/100cm2	07/31/20 18:00	08/03/20 13:53	B0H0010	AT	3540C
Aroclor-1248 (PCB-1248)	ND		1	0.0200	0.0500	ug/100cm2	07/31/20 18:00	08/03/20 13:53	B0H0010	AT	3540C
Aroclor-1254 (PCB-1254)	ND		1	0.0200	0.0500	ug/100cm2	07/31/20 18:00	08/03/20 13:53	B0H0010	AT	3540C
Aroclor-1260 (PCB-1260)	ND		1	0.0200	0.0500	ug/100cm2	07/31/20 18:00	08/03/20 13:53	B0H0010	AT	3540C
Aroclor-1262 (PCB-1262)	ND		1	0.0200	0.0500	ug/100cm2	07/31/20 18:00	08/03/20 13:53	B0H0010	AT	3540C
Aroclor-1268 (PCB-1268)	ND		1	0.0200	0.0500	ug/100cm2	07/31/20 18:00	08/03/20 13:53	B0H0010	AT	3540C
	Recovery				Acceptance Criteria						
Surrogate: Decachlorobiphenyl	*39.9%*				*30-150*		07/31/20 18:00	*08/03/20 13:53*	B0H0010	*AT*	3540C
Surrogate: Tetrachloro-m-xylene	*45.5%*				*30-150*		07/31/20 18:00	*08/03/20 13:53*	B0H0010	*AT*	3540C

AMERICAN ENVIRONMENTAL TESTING LABORATORY
2834 North Naomi Street Burbank, CA 91504 • ELAP# 1541 & 2402 • LACSD# 10181
TEL (888) 288-AETL • (818) 845-8200 • www.aetlab.com
A KYZER LABS COMPANY

NV5	AETL Job Number:	BBG0308	Site:	Malibu High School	
3777 Long Beach Boulevard, Annex Building	Project Number:	SMSD-20-9592		30215 Morning View Dr.	
Long Beach, CA 90807	Project Manager:	Jonathan Barkman		Malibu, CA	
	Project Name:	Malibu High School	Reported:	08/04/2020 15:01	

Analytical Results

Client ID: J073120-5

Lab ID: BBG0308-11 (Wipe)

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
PCBs											
Method: EPA 8082											
Aroclor-1016 (PCB-1016)	ND		1	0.0200	0.0500	ug/100cm2	07/31/20 18:00	08/03/20 14:08	B0H0010	AT	3540C
Aroclor-1221 (PCB-1221)	ND		1	0.0200	0.0500	ug/100cm2	07/31/20 18:00	08/03/20 14:08	B0H0010	AT	3540C
Aroclor-1232 (PCB-1232)	ND		1	0.0200	0.0500	ug/100cm2	07/31/20 18:00	08/03/20 14:08	B0H0010	AT	3540C
Aroclor-1242 (PCB-1242)	ND		1	0.0200	0.0500	ug/100cm2	07/31/20 18:00	08/03/20 14:08	B0H0010	AT	3540C
Aroclor-1248 (PCB-1248)	ND		1	0.0200	0.0500	ug/100cm2	07/31/20 18:00	08/03/20 14:08	B0H0010	AT	3540C
Aroclor-1254 (PCB-1254)	ND		1	0.0200	0.0500	ug/100cm2	07/31/20 18:00	08/03/20 14:08	B0H0010	AT	3540C
Aroclor-1260 (PCB-1260)	ND		1	0.0200	0.0500	ug/100cm2	07/31/20 18:00	08/03/20 14:08	B0H0010	AT	3540C
Aroclor-1262 (PCB-1262)	ND		1	0.0200	0.0500	ug/100cm2	07/31/20 18:00	08/03/20 14:08	B0H0010	AT	3540C
Aroclor-1268 (PCB-1268)	ND		1	0.0200	0.0500	ug/100cm2	07/31/20 18:00	08/03/20 14:08	B0H0010	AT	3540C
	Recovery				Acceptance Criteria						
Surrogate: Decachlorobiphenyl	*40.7%*				*30-150*		07/31/20 18:00	*08/03/20 14:08*	B0H0010	*AT*	3540C
Surrogate: Tetrachloro-m-xylene	*44.2%*				*30-150*		07/31/20 18:00	*08/03/20 14:08*	B0H0010	*AT*	3540C

AMERICAN ENVIRONMENTAL TESTING LABORATORY
2834 North Naomi Street Burbank, CA 91504 • ELAP# 1541 & 2402 • LACSD# 10181
TEL (888) 288-AETL • (818) 845-8200 • www.aetlab.com
A KYZER LABS COMPANY

NV5	AETL Job Number:	BBG0308	Site:	Malibu High School	
3777 Long Beach Boulevard, Annex Building	Project Number:	SMSD-20-9592		30215 Morning View Dr.	
Long Beach, CA 90807	Project Manager:	Jonathan Barkman		Malibu, CA	
	Project Name:	Malibu High School	Reported:	08/04/2020 15:01	

Analytical Results

Client ID: I73020-3

Lab ID: BBG0308-12 (Air)

Semivolatile Organic Compounds

Method: EPA TO-10A

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
Aroclor-1016 (PCB-1016)	ND		1	0.0500	0.100	ng/m³	07/31/20 18:00	08/03/20 10:07	B0H0008	ATS	3540C
Aroclor-1221 (PCB-1221)	ND		1	0.0500	0.100	ng/m³	07/31/20 18:00	08/03/20 10:07	B0H0008	ATS	3540C
Aroclor-1232 (PCB-1232)	ND		1	0.0500	0.100	ng/m³	07/31/20 18:00	08/03/20 10:07	B0H0008	ATS	3540C
Aroclor-1242 (PCB-1242)	ND		1	0.0500	0.100	ng/m³	07/31/20 18:00	08/03/20 10:07	B0H0008	ATS	3540C
Aroclor-1248 (PCB-1248)	ND		1	0.0500	0.100	ng/m³	07/31/20 18:00	08/03/20 10:07	B0H0008	ATS	3540C
Aroclor-1254 (PCB-1254)	ND		1	0.0500	0.100	ng/m³	07/31/20 18:00	08/03/20 10:07	B0H0008	ATS	3540C
Aroclor-1260 (PCB-1260)	ND		1	0.0500	0.100	ng/m³	07/31/20 18:00	08/03/20 10:07	B0H0008	ATS	3540C
Aroclor-1262 (PCB-1262)	ND		1	0.0500	0.100	ng/m³	07/31/20 18:00	08/03/20 10:07	B0H0008	ATS	3540C
Aroclor-1268 (PCB-1268)	ND		1	0.0500	0.100	ng/m³	07/31/20 18:00	08/03/20 10:07	B0H0008	ATS	3540C
	Recovery				Acceptance Criteria						
Surrogate: Decachlorobiphenyl	*46.2%*				*30-150*		07/31/20 18:00	*08/03/20 10:07*	B0H0008	*ATS*	3540C
Surrogate: Tetrachloro-m-xylene	*35.9%*				*30-150*		07/31/20 18:00	*08/03/20 10:07*	B0H0008	*ATS*	3540C

AMERICAN ENVIRONMENTAL TESTING LABORATORY
2834 North Naomi Street Burbank, CA 91504 • ELAP# 1541 & 2402 • LACSD# 10181
TEL (888) 288-AETL • (818) 845-8200 • www.aetlab.com
A KYZER LABS COMPANY

NV5	AETL Job Number:	BBG0308	Site:	Malibu High School	
3777 Long Beach Boulevard, Annex Building	Project Number:	SMSD-20-9592		30215 Morning View Dr.	
Long Beach, CA 90807	Project Manager:	Jonathan Barkman		Malibu, CA	
	Project Name:	Malibu High School	Reported:	08/04/2020 15:01	

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
Batch: B0H0008 - 3540C					**Prepared: 07/31/2020 18:00**						
Method Blank (B0H0008-BLK1)					**Analyzed: 08/03/2020 09:22**						
Aroclor-1016 (PCB-1016)	ND	0.0500	0.100	ng/m³							
Aroclor-1221 (PCB-1221)	ND	0.0500	0.100	ng/m³							
Aroclor-1232 (PCB-1232)	ND	0.0500	0.100	ng/m³							
Aroclor-1242 (PCB-1242)	ND	0.0500	0.100	ng/m³							
Aroclor-1248 (PCB-1248)	ND	0.0500	0.100	ng/m³							
Aroclor-1254 (PCB-1254)	ND	0.0500	0.100	ng/m³							
Aroclor-1260 (PCB-1260)	ND	0.0500	0.100	ng/m³							
Aroclor-1262 (PCB-1262)	ND	0.0500	0.100	ng/m³							
Aroclor-1268 (PCB-1268)	ND	0.0500	0.100	ng/m³							
Surrogate: Decachlorobiphenyl	*0.0354*			*ng/m³*	*0.0500000*		*70.7*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0323*			*ng/m³*	*0.0500000*		*64.6*	*30-150*			

NV5	AETL Job Number:	BBG0308	Site:	Malibu High School	
3777 Long Beach Boulevard, Annex Building	Project Number:	SMSD-20-9592		30215 Morning View Dr.	
Long Beach, CA 90807	Project Manager:	Jonathan Barkman		Malibu, CA	
	Project Name:	Malibu High School	Reported:	08/04/2020 15:01	

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
Batch: B0H0008 - 3540C (Continued)					**Prepared: 07/31/2020 18:00**						
LCS (B0H0008-BS1)					**Analyzed: 08/03/2020 08:52**						
Aroclor-1016 (PCB-1016)	0.554	0.0500	0.100	ng/m³	1.00000		55.4	40-140			
Aroclor-1260 (PCB-1260)	0.614	0.0500	0.100	ng/m³	1.00000		61.4	40-140			
Surrogate: Decachlorobiphenyl	*0.0309*			*ng/m³*	*0.0500000*		*61.8*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0304*			*ng/m³*	*0.0500000*		*60.9*	*30-150*			
LCSD (B0H0008-BSD1)					**Analyzed: 08/03/2020 09:07**						
Aroclor-1016 (PCB-1016)	0.492	0.0500	0.100	ng/m³	1.00000		49.2	40-140	11.9	40	
Aroclor-1260 (PCB-1260)	0.595	0.0500	0.100	ng/m³	1.00000		59.5	40-140	3.26	40	
Surrogate: Decachlorobiphenyl	*0.0349*			*ng/m³*	*0.0500000*		*69.8*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0290*			*ng/m³*	*0.0500000*		*58.1*	*30-150*			

AMERICAN ENVIRONMENTAL TESTING LABORATORY
2834 North Naomi Street Burbank, CA 91504 • ELAP# 1541 & 2402 • LACSD# 10181
TEL (888) 288-AETL • (818) 845-8200 • www.aetlab.com
A KYZER LABS COMPANY

NV5	AETL Job Number:	BBG0308	Site:	Malibu High School	
3777 Long Beach Boulevard, Annex Building	Project Number:	SMSD-20-9592		30215 Morning View Dr.	
Long Beach, CA 90807	Project Manager:	Jonathan Barkman		Malibu, CA	
	Project Name:	Malibu High School	Reported:	08/04/2020 15:01	

Quality Control Results

PCBs (EPA 8082)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B0H0010 - 3540C					**Prepared: 07/31/2020 18:00**						
Method Blank (B0H0010-BLK1)					**Analyzed: 08/03/2020 10:51**						
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	*0.0533*			*ug/100cm2*	*0.0500000*		*107*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0438*			*ug/100cm2*	*0.0500000*		*87.6*	*30-150*			

AMERICAN ENVIRONMENTAL TESTING LABORATORY
2834 North Naomi Street Burbank, CA 91504 • ELAP# 1541 & 2402 • LACSD# 10181
TEL (888) 288-AETL • (818) 845-8200 • www.aetlab.com
A KYZER LABS COMPANY

NV5	AETL Job Number:	BBG0308	Site:	Malibu High School	
3777 Long Beach Boulevard, Annex Building	Project Number:	SMSD-20-9592		30215 Morning View Dr.	
Long Beach, CA 90807	Project Manager:	Jonathan Barkman		Malibu, CA	
	Project Name:	Malibu High School	Reported:	08/04/2020 15:01	

Quality Control Results

PCBs (EPA 8082)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B0H0010 - 3540C (Continued)					**Prepared: 07/31/2020 18:00**						
LCS (B0H0010-BS1)					**Analyzed: 08/03/2020 10:21**						
Aroclor-1016 (PCB-1016)	0.509	0.0200	0.0500	ug/100cm2	1.00000		50.9	50-150			
Aroclor-1260 (PCB-1260)	0.688	0.0200	0.0500	ug/100cm2	1.00000		68.8	50-150			
Surrogate: Decachlorobiphenyl	*0.0366*			*ug/100cm2*	*0.0500000*		*73.2*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0346*			*ug/100cm2*	*0.0500000*		*69.2*	*30-150*			
LCSD (B0H0010-BSD1)					**Analyzed: 08/03/2020 10:36**						
Aroclor-1016 (PCB-1016)	0.629	0.0200	0.0500	ug/100cm2	1.00000		62.9	50-150	21.1	40	
Aroclor-1260 (PCB-1260)	0.570	0.0200	0.0500	ug/100cm2	1.00000		57.0	50-150	18.6	40	
Surrogate: Decachlorobiphenyl	*0.0389*			*ug/100cm2*	*0.0500000*		*77.7*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0319*			*ug/100cm2*	*0.0500000*		*63.7*	*30-150*			

AMERICAN ENVIRONMENTAL TESTING LABORATORY
2834 North Naomi Street Burbank, CA 91504 • ELAP# 1541 & 2402 • LACSD# 10181
TEL (888) 288-AETL • (818) 845-8200 • www.aetlab.com
A KYZER LABS COMPANY

NV5	AETL Job Number:	BBG0308	Site:	Malibu High School	
3777 Long Beach Boulevard, Annex Building	Project Number:	SMSD-20-9592		30215 Morning View Dr.	
Long Beach, CA 90807	Project Manager:	Jonathan Barkman		Malibu, CA	
	Project Name:	Malibu High School	Reported:	08/04/2020 15:01	

Qualifiers and Definitions

Item	Qualifiers
J	Analyte was detected. However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Reporting Limit (RL).

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 equivalant to LOQ.
RPD	Relative Percent Difference
SIM	Selective Ion Monitoring
TPH	Total Petroleum Hydrocarbons
ug/kg	Micrograms per Kilogram

AMERICAN ENVIRONMENTAL TESTING LABORATORY
2834 North Naomi Street Burbank, CA 91504 • ELAP# 1541 & 2402 • LACSD# 10181
TEL (888) 288-AETL • (818) 845-8200 • www.aetlab.com
A KYZER LABS COMPANY

NV5	AETL Job Number:	BBG0308	Site:	Malibu High School	
3777 Long Beach Boulevard, Annex Building	Project Number:	SMSD-20-9592		30215 Morning View Dr.	
Long Beach, CA 90807	Project Manager:	Jonathan Barkman		Malibu, CA	
	Project Name:	Malibu High School	Reported:	08/04/2020 15:01	

ug/L	Micrograms per Liter
ug/m3	Micrograms per cubic meter
Y	Yes

APPENDIX D

Dust Monitoring Data

Dust Monitor Data Summaries, Malibu High School Building F Demolition

Instrument: MIE pDR 1000 DataRams

Action limit: 0.1 milligrams per cubic meter (mg/m^3)

Project number: SMSD-20-9592

Date	Instrument Number	Time Period	Location	Downwind (DW)/ Upwind (UW)	Particulate Count (mg/m3) Current	TWA	Results below action level? Yes/No	Mean wind speed mph
7/14/2020	6657	9:22	North	UW	0.045	0.041	Yes	NNE 0.4 mph
7/14/2020	6657	9:50	North	DW	0.050	0.049	Yes	SSW 0.2 mph
7/14/2020	6657	10:20	North	DW	0.052	0.049	Yes	SSE 0.3 mph
7/14/2020	6657	10:50	North	DW	0.051	0.049	Yes	WSW 0.0 mph
7/14/2020	6657	12:05	North	DW	0.033	0.049	Yes	SW 0.3 mph
7/14/2020	6657	12:30	North	DW	0.041	0.050	Yes	SSW 0.2 mph
7/14/2020	6657	13:00	North	DW	0.051	0.059	Yes	SW 0.6 mph
7/14/2020	6657	13:25	North	DW	0.025	0.048	Yes	SW 0.7 mph
7/14/2020	6657	13:50	North	DW	0.026	0.045	Yes	SW 1.0 mph
7/14/2020	6791	9:24	South	DW	0.031	0.038	Yes	NNE 0.4 mph
7/14/2020	6791	9:51	South	UW	0.048	0.042	Yes	SSW 0.2 mph
7/14/2020	6791	10:21	South	UW	0.048	0.043	Yes	SSE 0.3 mph
7/14/2020	6791	10:51	South	UW	0.045	0.044	Yes	WSW 0.0 mph
7/14/2020	6791	12:06	South	UW	0.044	0.047	Yes	SW 0.3 mph
7/14/2020	6791	12:31	South	UW	0.012	0.050	Yes	SSW 0.2 mph
7/14/2020	6791	13:01	South	UW	0.049	0.049	Yes	SW 0.6 mph
7/14/2020	6791	13:26	South	UW	0.014	0.048	Yes	SW 0.7 mph
7/14/2020	6791	13:51	South	UW	0.038	0.050	Yes	SW 1.0 mph
7/15/2020	6657	7:21	North	DW	0.026	0.026	Yes	SE 0.2 mph
7/15/2020	6657	8:01	North	UW	0.009	0.020	Yes	WNW 0.2 mph
7/15/2020	6657	8:29	North	DW	0.011	0.016	Yes	SW 0.0 mph
7/15/2020	6657	9:06	North	DW	0.033	0.012	Yes	WSW 0.4 mph
7/15/2020	6657	9:35	North	UW	0.008	0.012	Yes	NW 0.0 mph
7/15/2020	6657	10:02	North	DW	0.023	0.013	Yes	SE 0.5 mph
7/15/2020	6657	10:28	North	DW	0.017	0.012	Yes	SSE 0.3 mph
7/15/2020	6657	11:04	North	DW	0.012	0.012	Yes	SW 0.0 mph
7/15/2020	6657	11:37	North	DW	0.005	0.120	Yes	SSW 0.4 mph
7/15/2020	6657	12:10	North	DW	0.012	0.012	Yes	SW 0.7 mph
7/15/2020	6657	12:31	North	DW	0.050	0.012	Yes	SSW 0.3 mph
7/15/2020	6657	13:00	North	DW	0.012	0.012	Yes	SW 0.3 mph
7/15/2020	6657	13:44	North	DW	0.009	0.012	Yes	W 0.0 mph
7/15/2020	6657	14:01	North	DW	0.018	0.012	Yes	SW 0.8 mph
7/15/2020	6657	14:29	North	DW	0.006	0.011	Yes	SSW 1.1 mph
7/15/2020	6657	14:44	North	DW	0.010	0.011	Yes	SSW 1.2 mph
7/15/2020	6791	7:23	South	UW	0.030	0.030	Yes	SE 0.2 mph
7/15/2020	6791	8:02	South	DW	0.018	0.019	Yes	WNW 0.2 mph
7/15/2020	6791	8:30	South	UW	0.007	0.013	Yes	SW 0.0 mph
7/15/2020	6791	9:07	South	UW	0.009	0.011	Yes	WSW 0.4 mph
7/15/2020	6791	9:36	South	DW	0.019	0.012	Yes	NW 0.0 mph
7/15/2020	6791	10:03	South	UW	0.032	0.014	Yes	SE 0.5 mph
7/15/2020	6791	10:29	South	UW	0.017	0.016	Yes	SSE 0.3 mph
7/15/2020	6791	11:05	South	UW	0.007	0.018	Yes	SW 0.0 mph
7/15/2020	6791	11:38	South	UW	0.021	0.019	Yes	SSW 0.4 mph
7/15/2020	6791	12:11	South	UW	0.024	0.020	Yes	SW 0.7 mph
7/15/2020	6791	12:32	South	UW	0.020	0.021	Yes	SSW 0.3 mph
7/15/2020	6791	13:01	South	UW	0.023	0.023	Yes	SW 0.3 mph
7/15/2020	6791	13:25	South	UW	0.016	0.024	Yes	W 0.0 mph
7/15/2020	6791	14:02	South	UW	0.024	0.024	Yes	SW 0.8 mph
7/15/2020	6791	14:30	South	UW	0.023	0.025	Yes	SSW 1.1 mph
7/15/2020	6791	14:45	South	UW	0.028	0.026	Yes	SSW 1.2 mph
7/17/2020	6657	12:33	North	UW	0.009	0.009	Yes	WNW 0.3 mph
7/17/2020	6657	13:01	North	DW	0.013	0.010	Yes	WSW 0.6 mph
7/17/2020	6657	13:41	North	DW	0.007	0.010	Yes	SW 0.7 mph
7/17/2020	6657	14:20	North	DW	0.012	0.011	Yes	SSW 1.0 mph
7/17/2020	6657	15:01	North	DW	0.031	0.015	Yes	SSW 1.7 mph
7/17/2020	6791	12:34	South	DW	0.011	0.011	Yes	WNW 0.3 mph
7/17/2020	6791	13:02	South	UW	0.023	0.012	Yes	WSW 0.6 mph
7/17/2020	6791	13:42	South	UW	0.011	0.012	Yes	SW 0.7 mph
7/17/2020	6791	14:21	South	UW	0.020	0.014	Yes	SSW 1.0 mph
7/17/2020	6791	15:02	South	UW	0.044	0.014	Yes	SSW 1.7 mph

NV5
ALTA ENVIRONMENTAL

Dust Monitor Data Summaries, Malibu High School Building I Demolition

Instrument: MIE pDR 1000 DataRams

Action limit:

Project number: SMSD-20-9592

Date	Instrument Number	Time Period	Location	Downwind (DW)/ Upwind (UW)	Particulate Count (mg/m3)		Results below action level? Yes/No	Mean wind speed mph
					Current	TWA		
7/16/2020	6791	7:35	North	UW	0.012	0.032	Yes	N 1.3 mph
7/16/2020	6791	8:05	North	UW	0.017	0.019	Yes	ENE 0.1 mph
7/16/2020	6791	8:32	North	UW	0.008	0.015	Yes	WNW 0.1 mph
7/16/2020	6791	9:04	North	UW	0.002	0.009	Yes	NW 0.6 mph
7/16/2020	6791	9:41	North	UW	0.007	0.006	Yes	NW 0.7 mph
7/16/2020	6791	10:21	North	UW	0.011	0.003	Yes	NW 0.3 mph
7/16/2020	6791	10:58	North	UW	0.004	0.004	Yes	NNW 0.5 mph
7/16/2020	6791	12:10	North	DW	0.011	0.009	Yes	E 0.9 mph
7/16/2020	6791	12:40	North	DW	0.023	0.012	Yes	SW 0.1 mph
7/16/2020	6791	13:15	North	DW	0.042	0.018	Yes	SW 0.5 mph
7/16/2020	6791	13:40	North	DW	0.031	0.020	Yes	SSW 0.8 mph
7/16/2020	6657	7:36	South	DW	0.008	0.008	Yes	N 1.3 mph
7/16/2020	6657	8:06	South	DW	0.023	0.007	Yes	ENE 0.1 mph
7/16/2020	6657	8:33	South	DW	0.005	0.005	Yes	WNW 0.1 mph
7/16/2020	6657	9:05	South	DW	0.006	0.006	Yes	NW 0.6 mph
7/16/2020	6657	9:42	South	DW	0.009	0.004	Yes	NW 0.7 mph
7/16/2020	6657	10:23	South	DW	0.008	0.004	Yes	NW 0.3 mph
7/16/2020	6657	10:59	South	DW	0.005	0.005	Yes	NNW 0.5 mph
7/16/2020	6657	12:11	South	DW	0.005	0.007	Yes	E 0.9 mph
7/16/2020	6657	12:41	South	UW	0.011	0.009	Yes	SW 0.1 mph
7/16/2020	6657	13:16	South	UW	0.033	0.010	Yes	SW 0.5 mph
7/16/2020	6657	13:41	South	UW	0.032	0.010	Yes	SSW 0.8 mph

NV5
ALTA
ENVIRONMENTAL

NV5

Delivering Solutions
Improving Lives