RAMBOLL

ENVIRONMENT
& HEALTH

August 19, 2020

Via Electronic Mail

Ms. Amanda Cruz, PCBs in School Coordinator
USEPA Region IX
Land Division, LND-42
75 Hawthorne Street
San Francisco, CA, 94105

RE: Notification of New PCB-impacted Building Materials at Malibu High School

Dear Ms. Cruz:

On behalf of the Santa Monica-Malibu Unified School District (SMMUSD or the District), Ramboll US Corporation (Ramboll) is providing this notification to U.S. Environmental Protection Agency (USEPA) Region IX of newly identified PCB-impacted (i.e., ≥50 parts per million [ppm]) building materials at Malibu High School (MHS). As discussed herein, these PCB-impacted building materials are proposed to be addressed by the District during planned renovation activities in general accordance with the protocols outlined in the *Site-Specific PCB-Related Building Materials Management, Characterization and Remediation Plan for the Library and Building E Rooms 1, 5 and 8 at Malibu High School* ("MHS Specific Plan")[1], as supplemented by the *Supplemental Removal Information for the Library, Building E - Rooms 1, 5, and 8 and Building G - Room 506 at Malibu High School* ("Supplement")[2], *Notification and Request for Approval, PCB Remediation Waste Plan, Buildings D,F,G,I,J, Malibu High School* ("Building DFGIJ Cleanup Plan")[3] and *Notification and Request for Approval, Site-Specific PCB Remediation Waste Plan, Building D, Malibu High School* ("Building D Cleanup Plan")[4]. These workplans were approved by the USEPA Region IX on October 31, 2014 ("October 2014 Approval")[5], May 15, 2018 ("May 2018 Approval")[6] and April 23, 2020 ("April 2020 Approval")[7], respectively. MHS is located at 30215 Morning View Drive, Malibu, CA. **Figure 1** depicts the layout of the MHS campus.

Ramboll
201 California Street
Suite 1200
San Francisco, CA 94111
USA
www.ramboll.com

[1] ENVIRON. 2014. Site-Specific PCB-Related Building Materials Management, Characterization and Remediation Plan for the Library and Building E Rooms 1, 5, and 8 at Malibu High School. July 3.

[2] ENVIRON. 2014. Supplemental Removal Information for the Library, Building E - Rooms 1, 5, and 8 and Building G - Room 506 at Malibu High School. September 26.

[3] Ramboll. 2018. Notification and Request for Approval, PCB Remediation Waste Plan, Buildings D,F,G,I,J, Malibu High School. April 23.

[4] Ramboll. 2020. Notification and Request for Approval, Site-Specific PCB Remediation Waste Plan, Building D, Malibu High School. March 27.

[5] USEPA. 2014. Letter from Jared Blumenfeld/EPA to Sandra Lyon/SMMUSD. October 31.

[6] USEPA. 2018. Letter from Jeff Scott/EPA to Carey Upton/SMMUSD. May 15.

[7] USEPA. 2020. Letter from Jeff Scott/EPA to Dr. Ben Drati/SMMUSD. April 23.

The activities summarized in this letter are part of a larger effort to remove PCB-impacted building materials from the MHS and Juan Cabrillo Elementary School (JCES) campuses. For your reference, **Table 1** has been included to summarize the tentative schedule for MHS/JCES renovation and demolition activities that is planned over the next 5 to 10 years. PCB-impacted building materials are planned to be addressed as part of the proposed renovation/demolition activities.

Specifically, this letter provides information on the areas at MHS Buildings H and J with porous substrate containing identified concentrations >1 ppm PCBs that will temporarily remain in place until demolition is scheduled. These areas will be addressed in accordance with the approved methods in the October 2014 Approval, as discussed further below. SMMUSD is currently proposing to complete PCB abatement activities at MHS Buildings H and J in July 2020 during the time school is not in session.

NATURE AND EXTENT OF PCB-IMPACTED BUILDING MATERIALS AND REMEDIAL STRATEGY REQUIRING USEPA APPROVAL UNDER 40 CFR 761.61(c)

In preparation for proposed renovations, Alta Environmental conducted bulk sampling of flooring, interior window, vent, and door caulk in MHS Buildings H and J in areas that were proposed to be renovated. Photographs of the bulk sampling are archived and are available upon request. PCBs were identified at ≥50 ppm in several building materials, and with the exception of the areas listed below, the caulk and substrate will be removed and abated to <1 ppm for offsite disposal as PCB Bulk Product Waste, as allowed by the 2012 USEPA Memorandum re: PCB Bulk Product Waste Reinterpretation.[8] Laboratory reports are included as **Attachment A**.

The areas listed below, as shown on **Figures 2 and 3** for Buildings H and J, respectively, are where ≥50 ppm PCB-impacted building materials (i.e., caulk) have been identified and will be removed, however the >1 ppm adjacent porous substrate are not proposed to be removed until planned demolition activities occur (see **Table 1**). These materials cannot be feasibly removed prior to demolition due to potential structural issues that would be incurred by removing the substrate. Instead, the District will be implementing protective measures to ensure the areas will be protective of human health and the environment. This will be accomplished by utilizing two methods 1) installation of a physical barrier system, or 2) preventing access or use of the rooms.

The physical barrier system will consist of metal cladding/sheeting. This barrier will be fastened to the exterior substrate to eliminate the direct exposure pathway to occupants of the building. A physical barrier is a commonly used engineering control to mitigate human exposure to surfaces containing PCBs. It is our opinion that a barrier system presents the best management option for exterior substrate as it 1) eliminates the direct exposure pathway to occupants of the building, 2) it will not impact the structural integrity of the building, 3) the aluminum material will not be affected by extreme weather and/or exposure to sunlight, 4) it is easy to monitor and maintain, and 5) the cost associated with installation is not excessive.

Preventing access/use of specific rooms will be utilized to eliminate the potential for human exposure (i.e., dermal contact, ingestion, etc.) with the interior substrate. This will be accomplished by barricading and locking the doors from entry by students and staff. Signage will be placed indicating the presence of PCBs, entry will only be allowed for maintenance or emergency reasons, and anyone entering or leaving the rooms will be required to sign in/out. It is our opinion that preventing access to these rooms is the best approach for the interior substrate because it eliminates the primary exposure pathways to the occupants of the building. Additionally, HVAC systems from these rooms do not

[8] https://www.epa.gov/pcbs/polychlorinated-biphenyl-pcb-guidance-reinterpretation

communicate with adjacent rooms, and historical air and wipe samples have consistently been below the USEPA's health-based threshold of 200ng/m^3 (air) and 1 ug/100 cm^3 (wipe) since 2015, indicating that risk to surrounding rooms, or exposure for any staff performing maintenance activities in the rooms is low. The air and wipe sample results are included in **Appendix B**.

USEPA approval is kindly requested for the following areas within MHS Buildings H and J as it relates to proposed PCB-related remedial activities.

MHS Building H

HVAC Vents on Exterior of Building, Rooms 662 and 664

- Source Material: Large HVAC Vent Southwest Corner of Building (118 ppm in the vent caulk); Small HVAC Vent Southwest Corner of Building (assumed ≥50 ppm[9] in the vent caulk)
- Porous Substrate: PCBs were delineated to <1 ppm in the exterior brick at a distance of 3 inches from the large vent caulk. However, given the variability of adjacent porous substrate sampling results around vent caulk, we are conservatively using a distance of 16 inches from the vent caulk, consistent with our findings at Building D.
- Strategy: For these HVAC vents, the strategy is to remove the ≥50 ppm caulk for offsite disposal as PCB Bulk Product Waste, cover the >1 ppm porous substrate (16" around the vent with metal cladding/ sheeting.

MHS Building J

Windows in Rooms 704/705

- Source Material: 83,000 in the window caulk.
- Porous Substrate: PCBs were delineated to <1 ppm in the exterior brick and stucco at a distance of 12-inches from the window caulk.
- Strategy: For this window, the strategy is to remove the ≥50 ppm caulk for offsite disposal as PCB Bulk Product Waste, decontaminate and reuse the window (until demolition), and then cover the >1 ppm substrate on the outside of the building (15" around the window[10]) with metal cladding/sheeting. The entry to these rooms will then be barricaded to prevent access and contact with the interior substrate.

Window in Room 722

- Source Material: 91,500 ppm in the window caulk.
- Porous Substrate: PCBs were delineated to <1 ppm in the exterior brick and stucco at a distance of 15-inches from the window caulk.
- Strategy: For this window, the strategy is to remove the ≥50 ppm caulk for offsite disposal as PCB Bulk Product Waste, decontaminate and reuse the window (until demolition), and then cover the >1 ppm substrate on the outside of the building (15"

[9] For the purpose of disposal characterization, the small HVAC vent caulk is assumed to be similar in PCB concentration to the caulk around the large HVAC vent immediately adjacent (118 ppm PCBs). Based on visual observations and information provided by the District, it appears that the small HVAC vent caulk is identical to the large HVAC vent caulk and was installed at the same time.

[10] The proposed 15-inch distance for metal cladding/sheeting around windows is slightly less than the distance used around the HVAC vents (16 inches). This is based on a) the delineation samples collected around windows showing <1 ppm, b) less variability in the substrate concentrations adjacent to the windows vs. what was observed around the HVAC vents in Building D, and c) detected PCB concentrations were generally higher in HVAC vent caulk than window caulk, which creates the potential for >1 ppm PCBs to migrate further into the adjacent porous substrate.

around the window[11]) with metal cladding/sheeting. Entry to this room will then be barricaded to prevent access and contact with the interior substrate.

HVAC Vent on Exterior of Building, Room 714

- Source Material: 126,000 ppm in the vent caulk.
- Porous Substrate: Sampling of the substrate was not performed at this location. Given the variability of adjacent porous substrate sampling results around vent caulk in MHS buildings, we are conservatively using a distance of 16 inches from the vent caulk to be consistent with the proposed approach approved by USEPA at Building D.
- Strategy: For this HVAC vent, the strategy is to remove the ≥50 ppm caulk for offsite disposal as PCB Bulk Product Waste, decontaminate and reuse the vent (until demolition), and then cover the >1 ppm substrate (16" around the vent) with metal cladding/sheeting.

PROPOSED ABATEMENT PROCEDURES

PCB abatement activities will be conducted in accordance with procedures previously approved in the MHS Specific Plan. These procedures are summarized below.

- Prior to implementing abatement activities, engineering controls (i.e., containment, negative air pressure, HEPA filters, etc.) will be put into place as described in Section F.1.3 of the MHS Specific Plan.
- PCB-impacted caulk will be abated and disposed as PCB Bulk Product Waste using the methods described in Section F.1 of the MHS Specific Plan.
- For the exterior porous substrate adjacent to the vents and windows in Building J, which will remain in place, metal cladding/sheeting will be used to cover the >1 ppm substrate. The cladding/sheeting will be installed by either pre-drilling holes and using concrete screws (or equivalent), or with powder-actuated fasteners. The use of HEPA filtration will be incorporated to control dust that is generated.
- In some cases, the non-porous building materials (e.g. HVAC vents and windows) will be decontaminated after removal of all visible caulk and reused. Decontamination procedures will adhere to Section F.1.5 in the MHS Specific Plan and the October 2014 approval.
- Although post-remediation confirmatory air and wipe samples collected immediately after removal of containment but prior to re-occupancy by students/staff are described in Section F.1.11 of the MHS Specific Plan, those protocols were intended to provide confirmatory data prior to re-occupancy of interior rooms at MHS. As all proposed encapsulated surfaces are on the exterior of Buildings H and J, no additional post-remediation confirmatory air and wipe samples are deemed necessary.

RECORDKEEPING AND DOCUMENTATION

Following completion of the work activities, records and documents per 40 CFR Part 761 will be generated and maintained at the offices of SMMUSD, 1651 Sixteenth Street, Santa Monica, CA. These documents will be made available to USEPA upon request. A final report documenting the completion of the work activities and including, but not limited to, a description of the work activities, verification

[11] Ibid.

analytical results, volumes of disposed materials, photographs, and waste disposal documentation will be prepared and submitted to USEPA.

It is understood that at the end of the useful life of the MHS buildings, all areas containing residual concentrations of PCBs will be managed and disposed of properly. A deed restriction notifying of the encapsulated surfaces will be placed on the property, until all PCBs in excess of clean up levels are removed from the buildings. This approach is consistent with Section 4.2.9 of the Building DFGIJ Cleanup Plan and the May 2018 Approval.

LONG TERM MAINTENANCE & MONITORING PLAN

The procedures outlined in this section are to be utilized after the ≥50 ppm building materials have been removed from Buildings H and J, and the adjacent porous substrate has been covered with metal cladding/sheeting. Following the completion of the remediation and encapsulation activities for the materials described above, this maintenance and monitoring plan (MMP) will be implemented. The main components of the MMP are as follows:

Routine Inspections of the Metal Cladding/Sheeting

Custodial workers or maintenance employees will report to their managers any damaged/deteriorated metal cladding/sheeting which are noticed during routine daily, weekly or annual cleaning. The inspection will focus on the structural integrity of the cladding, looking for cracks and wear points.

Procedures for Maintenance of the Metal Cladding/Sheeting

If damage to the metal cladding/sheeting is observed:

- A contractor using HAZWOPER trained employees will need to be contracted to evaluate and conduct the required repairs.
- The workers will wear appropriate PPE, including, gloves, Tyvek suit, and shoe cover and utilize HEPA filtration to minimize dust that is generated.

The following general procedures will be followed during repair of the metal cladding/sheeting:

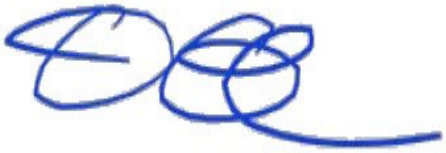
- Before starting, the work area will be set up with 6-mil poly protection to minimize dust accumulating on the nearby surfaces and collect debris. If deemed necessary after consultation with a professional, containment with negative pressure will be erected. The HVAC system will be isolated by blocking the air distribution openings with plastic sheeting or other appropriate means. Dust generation will be minimized by using wet methods and/or HEPA filter vacuuming during repair activities.
- After the repair, the immediate surfaces will be vacuumed with a HEPA-filtered vacuum cleaner and then wiped with a wet cloth. The work area will then be visually inspected to monitor that no dust or debris is present, and the area will be re-cleaned thoroughly if dust or debris is identified.
- All waste generated during repair activities will be disposed as PCB Remediation Waste in accordance with 40 CFR 761.61(a)(5)(i) and (iii).

If any future maintenance actions are identified that could impact (i.e., damage) the metal cladding/sheeting, further evaluation and consultation with USEPA will be performed.

CLOSING

We would be pleased to answer any questions that you may have about this letter. If you have any questions or would like to discuss this further, please contact either one of us.

Sincerely,



Douglas Daugherty, PhD, CIH, PE
West Region COO, Americas

Jason K. Wilkinson, PG, LSP
Senior Managing Consultant

cc: Carey Upton, SMMUSD
Mark Elliott, Pillsbury Winthrop Shaw Pittman LLP
Travis Hinman, Ramboll

Attachments:

Table 1 – Construction Years for MHS and JCES Buildings

Figure 1 – Site Plan
Figure 2 – Sample Results Building H
Figure 3 – Sample Results Building J

Attachment A – Laboratory Reports
Attachment B – Building J Historic Air and Wipe Data

TABLE

Table 1. Construction Years for MHS and JCES Buildings

Malibu High School and Juan Cabrillo Elementary School

Malibu, California

School	Building	Year Constructed	Known Past or Planned Renovations
MHS	A (800, Great White Shark)	1963	Demolished in 2017; Replace with a new Classroom/Library/Administration Building. Opening 8/20
MHS	B/C (900, Whale Shark)	1963	Demolished in 2017; Replace with a new Classroom/Library/Administration Building. Opening 8/20
MHS	D (100 & 200, Mako Shark)	1963	To be Demolished Summer 2020, no longer in use
MHS	E (000, Blue Shark)	1963	Demolished in 2017; Replaced with a new 12-classroom building, Opened 8/19
MHS	F (300, Thresher Shark)	1963	Some windows & doors replaced and/or retrofitted in 1993; Replaced/Retrofitted all pre-1979 windows & doors in 2017; Flooring in orchestra room to be abated and encapsulated summer 2020; Remain in Use until after Phase 3 construction, estimated 2028
MHS	G (500, Angel Shark)	1963	Some windows & doors replaced and/or retrofitted in 1993; Replaced/Retrofitted all pre-1979 windows & exterior doors in 2017; Plan to demolish building in 2021; will remain in use until demo
MHS	H (Cafeteria/Auditorium)	1963	Building renovated into Theater in 1993; Plan to replace or retrofit windows & doors with exceedance in 2020[b]; Remain in Use until Phase 3A construction, estimated 2030
MHS	I (400, Leopard Shark)	1963	Some windows & doors replaced and/or retrofitted in 1993; Replaced/Retrofitted all pre-1979 windows & doors in 2017; Plan to upgrade and install HVAC by 2020; Flooring in dark room to be abated and encapsulated summer 2020; Remain in Use until after Phase 3 construction, estimated 2028
MHS	J (700, Old Gymnasium)	1963	Plan to replace or retrofit all pre-1979 windows & doors by 2020[b]; Plan to upgrade and install HVAC by 2021, Remain in Use until after Phase 3 construction, estimated 2028
MHS	K (600, Hammerhead Shark)	2002	None
MHS	Relocatables Next to Building G (500, Angel Shark)	1998	Renovated into temporary offices in 2017; to be repurposed for Special Ed in 2020-21; Plan to be demolished in 2024
MHS	New Gymnasium	2002	None
MHS	Malibu Boys and Girls Teen Center[a]	2000	None
MHS	Swimming Pool and Equipment Building	1975	Building was repaired in 1994
MHS	City of Malibu Office by the Pool[a]	1997	None
JCES	A - Admin	1958	Windows & some doors retrofitted in 1993; Other doors replaced in 2016; Plan to demolish in 2021
JCES	B - Rooms 1-5	1955	Windows & some doors retrofitted in 1993; Other doors replaced in 2016; Plan to demolish in 2021
JCES	C - Rooms 6-11	1957	Windows & some doors retrofitted in 1993; Other doors replaced in 2016; Plan to demolish in 2021
JCES	D - Rooms 12-15	1958	Windows & some doors retrofitted in 1993; Other doors replaced in 2016; Plan to demolish in 2021
JCES	E - Library	1965	Windows & some doors retrofitted in 1993; Other doors replaced in 2016; Plan to demolish in 2021
JCES	F - Rooms 16-23	1961/1965	All pre-1979 windows, that had not been previously retrofitted, were replaced in 2016; Some pre-1979 doors/frames were replaced in 2016; all PCB exceedances removed and abated. Plan to demolish in 2021

Table 1. Construction Years for MHS and JCES Buildings

Malibu High School and Juan Cabrillo Elementary School

Malibu, California

School	Building	Year Constructed	Known Past or Planned Renovations
JCES	G - MPR	1995	Plan to demolish in 2021
JCES	Building at Rear of Playground (Rooms 24 & 25)	1999	Plan to demolish in 2021
JCES	Building Next to Kindergarten Yard (Cottages-Buildings H & I)	1992	Plan to demolish in 2021

Notes:

1. Green highlighted buildings were constructed pre-1981 and were demolished or will be demolished in 2020.

2. Blue highlighted buildings were constructed pre-1981 that have undergone some renovations. Buildings will be demolished in 2021

3. Orange highlighted buildings were constructed pre-1981 and have undergone renovations to either remove or encapsulate all PCB exceedances. Will remain in use.

3. Grey highlighted buildings were constructed post-1981 and do not contain PCB-containing building materials.

[a] Building is not owned by SMMUSD.

[b]

Abbreviations:

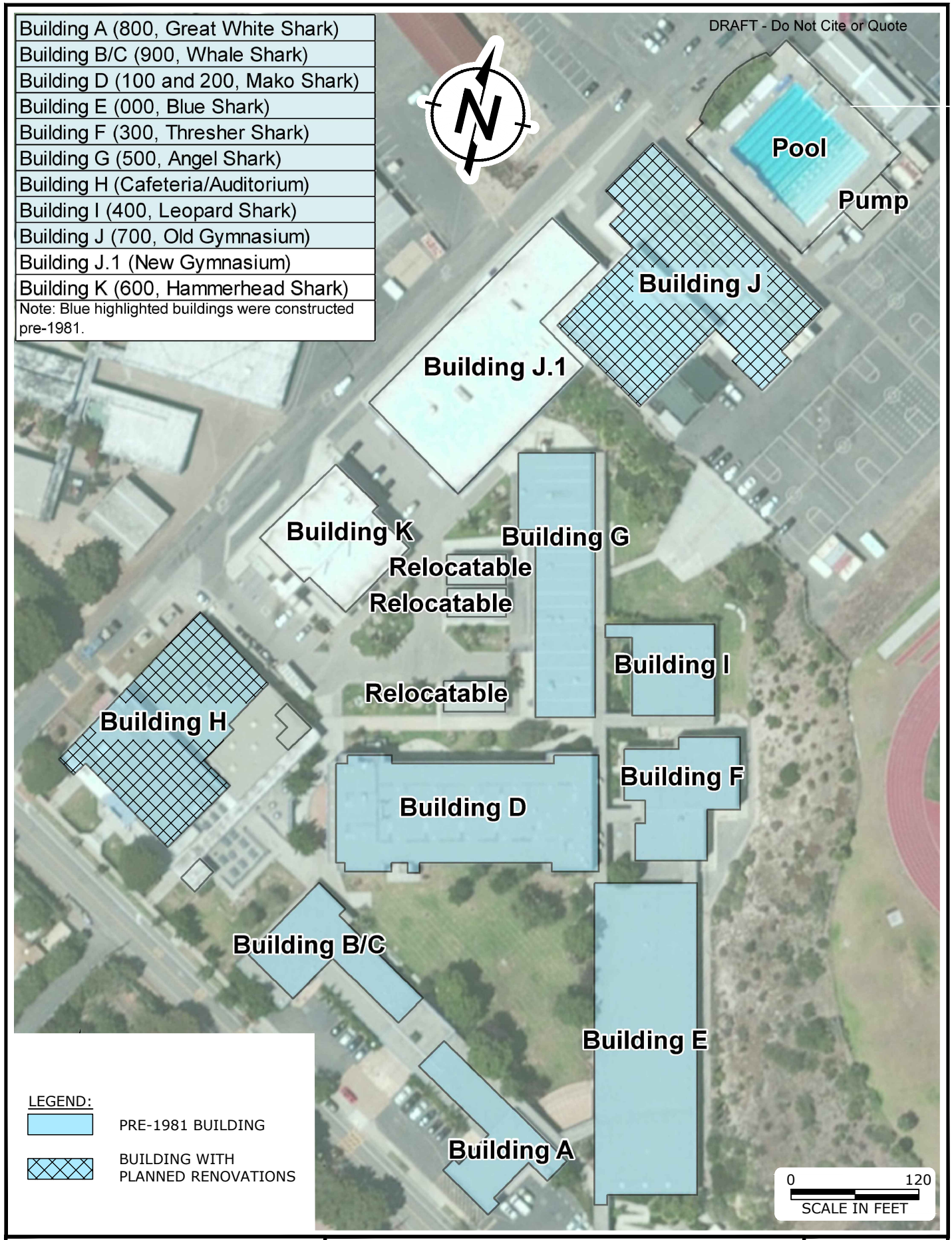
JCES = Juan Cabrillo Elementary School

MHS = Malibu High School

SMMUSD = Santa Monica-Malibu Unified School District

HVAC = heating ventilation and air conditioning

FIGURES



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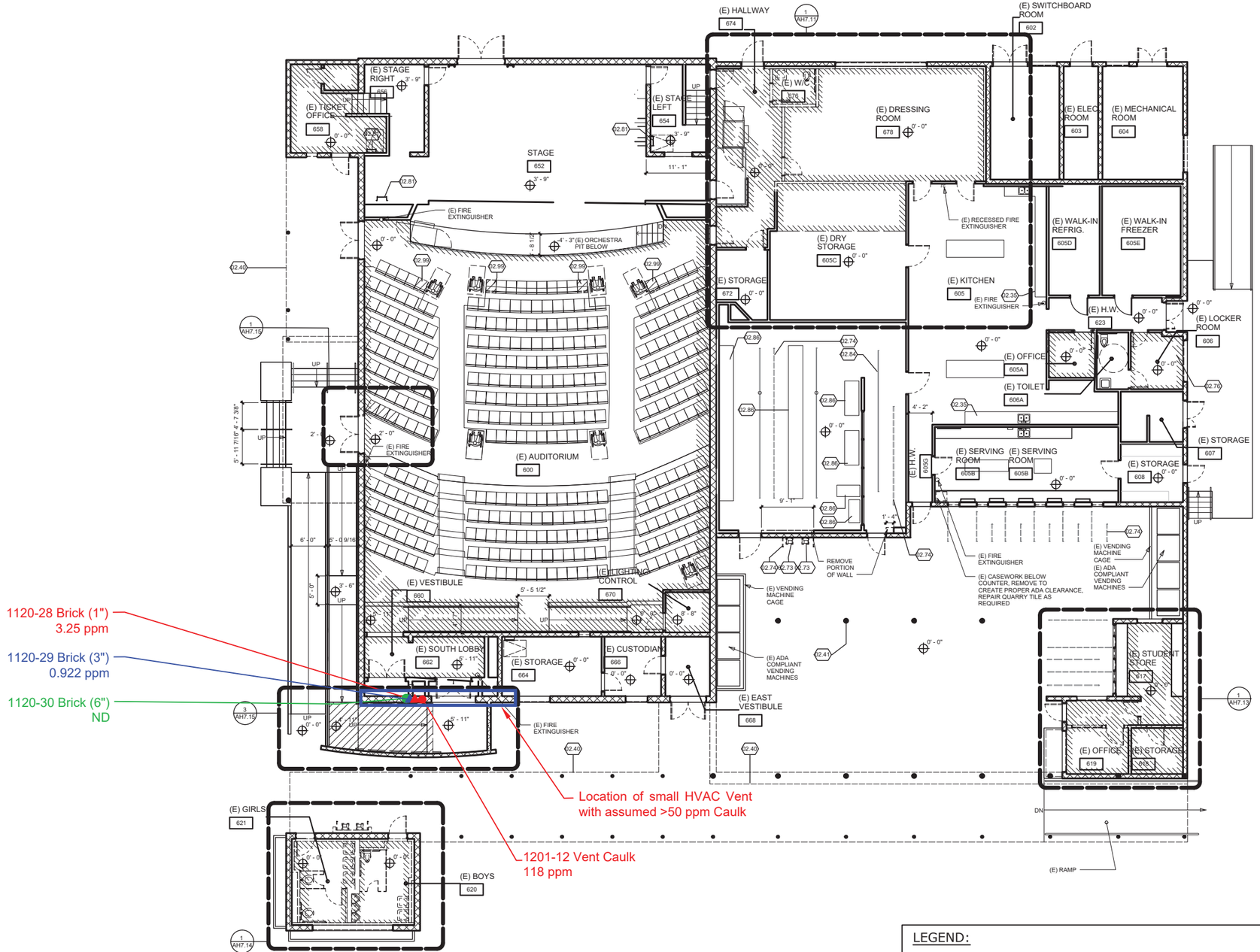
SITE PLAN
MALIBU HIGH SCHOOL
30215 MORNING VIEW DRIVE
MALIBU, CALIFORNIA

FIGURE
1

DRAFTED BY: DLB | DATE: 05/26/2020 | PROJECT: 1690010467

DBLANCHARD 5/26/20 F:\1690010467_MALIBU HIGH SCHOOL_SAMPLING PLAN < SITE PLAN >



SOURCE:
ALTA ENVIRONMENTAL. "SAMPLE LOCATION MAP - BUILDING H".
DATE: MAY 2020. PROJECT NO.: SMSD-20-XXXX.

LEGEND:

- SOURCE MATERIALS WITH PCBs >50 ppm
- DELINEATION SAMPLES WITH PCBs >1 ppm
- DELINEATION SAMPLES WITH PCBs <1 ppm
- SAMPLES WITH CONCENTRATIONS OF PCBs BELOW LABORATORY DETECTION LIMITS
- AREA OF SOURCE REMOVAL AND INSTALLATION OF METAL CLADDING/SHEETING

0 20
SCALE IN FEET

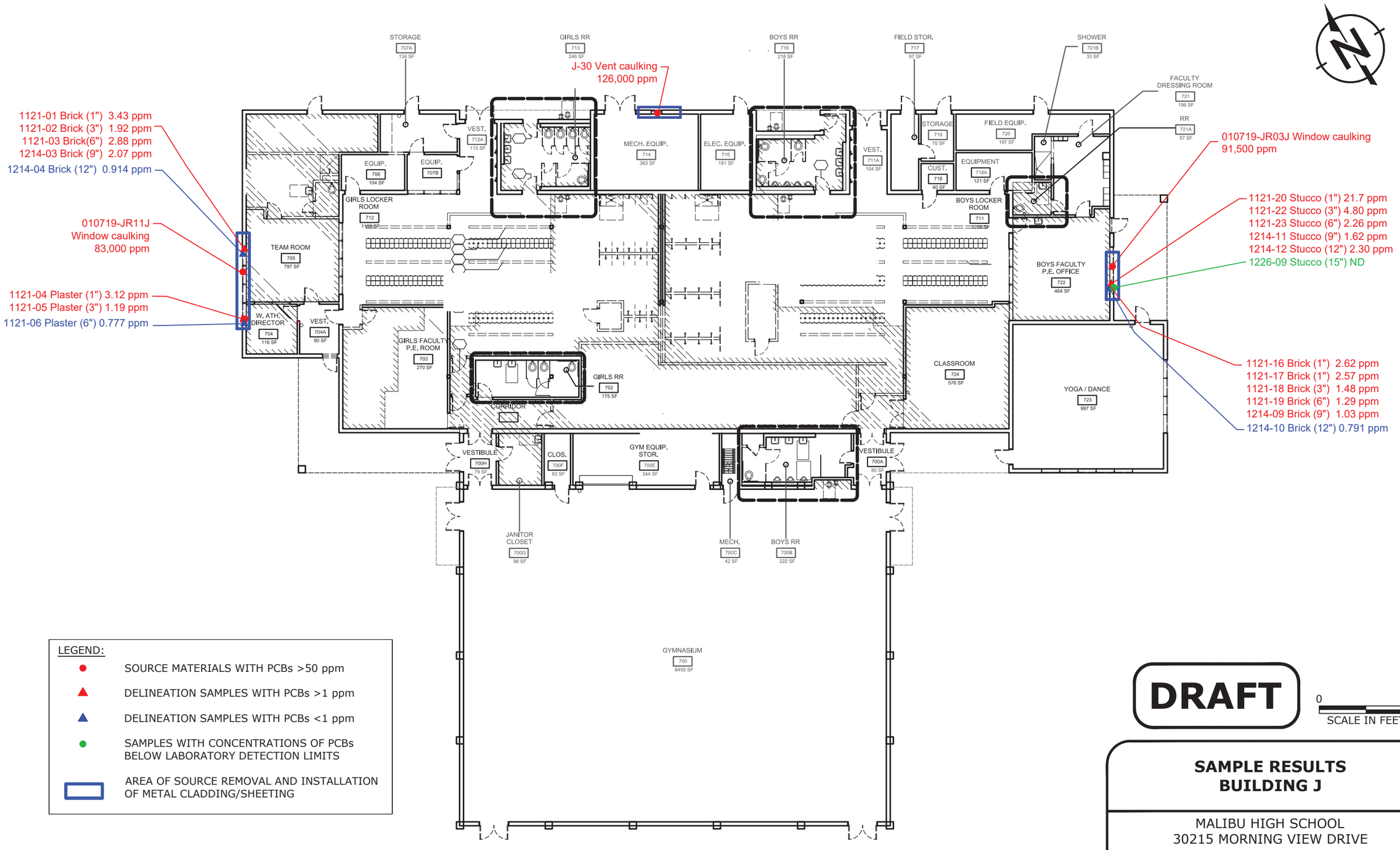
SAMPLE RESULTS BUILDING H

MALIBU HIGH SCHOOL
30215 MORNING VIEW DRIVE
MALIBU, CALIFORNIA

RAMBOLL

FIGURE 2

DRAFTED BY: DLB | DATE: 05/24/2020 | PROJECT: 1690017593



LEGEND:

- SOURCE MATERIALS WITH PCBs >50 ppm
- DELINEATION SAMPLES WITH PCBs >1 ppm
- DELINEATION SAMPLES WITH PCBs <1 ppm
- SAMPLES WITH CONCENTRATIONS OF PCBs BELOW LABORATORY DETECTION LIMITS
- AREA OF SOURCE REMOVAL AND INSTALLATION OF METAL CLADDING/SHEETING

SOURCE:
ALTA ENVIRONMENTAL. "SAMPLE LOCATION MAP - BUILDING J".
DATE: MAY 2020. PROJECT NO.: SMSD-20-XXXX.

DRAFT

0 20
SCALE IN FEET

SAMPLE RESULTS
BUILDING J

MALIBU HIGH SCHOOL
30215 MORNING VIEW DRIVE
MALIBU, CALIFORNIA

RAMBOLL

FIGURE
3

DRAFTED BY: DLB | DATE: 05/24/2020 | PROJECT: 1690017593

ATTACHMENT A
LABORATORY REPORTS

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

Date: November 30, 2017

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

Project: **Malibu High - Bldg. H**
Lab I.D.: **171122-18 through -47**

Dear Mr. Ruvalcaba:

The **analytical results** for the solid samples, received by our laboratory on November 22, 2017, are attached. The samples were received intact, and accompanying chain of custody.

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

Sincerely,

Curtis Desilets
Vice President/Program Manager

Andy Wang
Laboratory Manager

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

LABORATORY REPORT

CUSTOMER: **Alta Environmental**
3777 Long Beach Blvd, Annex Building, Long Beach, CA 90807
Tel: (562) 495-5777 Email: Cesar.Ruvalcaba@altaenviron.com
PROJECT: **Malibu High - Bldg. H**

DATE SAMPLED: 11/20/17
MATRIX: SOLID
REPORT TO: MR. CESAR RUVALCABA

DATE RECEIVED: 11/22/17
DATE EXTRACTED: 11/27-28/17
DATE ANALYZED: 11/28/17
DATE REPORTED: 11/30/17

PCBs ANALYSIS
METHOD: EPA 3540C/8082
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	PCB-1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260	TOTAL PCBs*	DF
1120-1	171122-18	ND	ND	ND	ND	ND	ND	ND	ND	1
1120-4	171122-21	ND	ND	ND	ND	ND	ND	ND	ND	1
1120-7	171122-24	ND	ND	ND	ND	ND	ND	ND	ND	1
1120-10	171122-27	ND	ND	ND	ND	ND	ND	ND	ND	1
1120-13	171122-30	ND	ND	ND	ND	ND	ND	ND	ND	1
1120-16	171122-33	ND	ND	ND	ND	ND	ND	ND	ND	1
1120-18	171122-35	ND	ND	ND	ND	ND	ND	ND	ND	1
1120-19	171122-36	ND	ND	ND	ND	ND	ND	ND	ND	1
1120-22	171122-39	ND	ND	ND	ND	ND	ND	ND	ND	1
1120-25	171122-42	ND	ND	ND	ND	ND	ND	ND	ND	1
1120-28	171122-45	ND	ND	ND	ND	ND	3.25	ND	3.25	1
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1
	PQL	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected Or Below the Actual Detection Limit
* = Sum of the PCB 1016, 1221, 1232, 1242, 1248, 1254 and 1260
*** = The concentration exceeds the TTLC Limit of 50, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro-Chem, Inc.

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

EPA 8082 QA/QC Report

Matrix: **Soil/Solid/Sludge** Date Analyzed: 11/28-29/2017

Unit: mg/Kg(PPM)

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

Spiked Sample Lab I.D.: 171128-LCS1/2

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
PCB (1016+1260)	0.000	0.100	0.107	**107%**	0.094	**94%**	**13%**	**0-20%**	**70-130**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	0.100	0.090	**90%**	**75-125**

Surrogate Recovery	ACP%	ACP%	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	171122-18	171122-21	171122-24	171122-27	171122-30	171122-33
Tetra-chloro-meta-xylene	50-150	109%	111%	111%	109%	113%	107%	116%
Decachlorobipneyl	50-150	101%	86%	124%	101%	116%	104%	82%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	171122-35	171122-36	171122-39	171122-42	171122-45	171122-48	171122-51	171122-54
Tetra-chloro-meta-xylene	113%	110%	104%	111%	109%	110%	111%	114%
Decachlorobipneyl	96%	113%	109%	83%	77%	118%	108%	89%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	171122-57	171122-60	171122-63	171122-64	171122-67	171122-68
Tetra-chloro-meta-xylene	114%	121%	110%	111%	112%	111%
Decachlorobipneyl	91%	94%	83%	116%	91%	98%

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

** = Surrogate fail due to matrix interference (If Marked)*

Note: ***LCS, MS, MSD are in control therefore results are in control.***

Analyzed and Reviewed By:

Final Reviewer:

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
0 1 Week (Standard)
Other:

Misc./PO# Bldg H

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required	COMMENTS
1120-Hz 1	171122-18	11-20-17	1600	Bulk	1 40z		Ice	X	1"
17 2	-19		1605		1			X	archive 3"
18 3	-20		1608		1			X	1 6"
19 4	-21		1630		1			X	1"
20 5	-22		1632		1			X	archive 3"
21 6	-23		1640		1			X	1 6"
22 7	-24		1645		1			X	1"
23 8	-25		1647		1			X	archive 3"
24 9	-26		1650		1			X	1 6"
10	-27		1658		1			X	1"
11	-28		1655		1			X	archive 3"
12	-29		1700		1			X	1 6"
13	-30		1705		1			X	1"
14	-31		1710		1			X	archive 3"
15	-32		1715		1			X	1 6"

Company Name: Alta Environmental
Address: 3777 Long Beach Blvd
City/State/Zip: Long Beach Ca

Project Contact: Cesar Ruvalcaba
Tel:
Fax:

Sampler's Signature:
Project Name/ID: Malibu High - Bldg H

Relinquished by:	Received by:	Date & Time: 11/27/17 10:11 AM	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	Date & Time:	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	O Other:

CHAIN OF CUSTODY RECORD

Date: 11-22-17

WHITE WITH SAMPLE • YELLOW TO CLIENT

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
0 ~~1 Week~~ (Standard)
Other:

Misc./PO# Bldg H

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required	COMMENTS
112017	171122-33	11-20-17	1728		1X40Z				3"
17	- 34		1730						archive 6"
18	- 35		1735						1"
19	- 36		1800						1"
20	- 37		1830						archive 3"
21	- 38		1835						" 6"
22	- 39		1900						" 1"
23	- 40		1910						archive 3"
24	- 41		1920						" 6"
25	- 42		1940						1"
26	- 43		1945						archive 3"
27 ~~28~~	- 44		1~~9~~80						" 6"
28	- 45		1950						1"
29	- 46		1952						archive 3"
30	- 47		1954						" 6"

Company Name: Alta Environmental
Address: 3777 Long Beach Blvd
City/State/Zip: Long Beach Ca

Project Contact: Cesar Ruvalcaba
Tel:
Fax:

Sampler's Signature:
Project Name/ID: Malibu - Bldg H

Relinquished by:	Received by:	Date & Time: 11/22/17 13:11 AM
Relinquished by:	Received by:	Date & Time:
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
O Other:

CHAIN OF CUSTODY RECORD

Date: _____

WHITE WITH SAMPLE • YELLOW TO CLIENT

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

Date: December 4, 2017

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

Project: **Malibu High - Bldg. H**
Lab I.D.: **171122-18 through -47**

Dear Mr. Ruvalcaba:

The **additional PCBs results** for the solid samples, received by our laboratory on November 22, 2017, are attached. The samples were received chilled, intact, accompanying chain of custody and also stored per the EPA protocols.

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

Sincerely,

Curtis Desilets
Vice President/Program Manager

Andy Wang
Laboratory Manager

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

LABORATORY REPORT

CUSTOMER: **Alta Environmental**
3777 Long Beach Blvd, Annex Building, Long Beach, CA 90807
Tel: (562) 495-5777 Email: Cesar.Ruvalcaba@altaenviron.com
PROJECT: **Malibu High - Bldg. H**

DATE SAMPLED: 11/20/17
MATRIX: SOLID
REPORT TO: MR. CESAR RUVALCABA

DATE RECEIVED: 11/22/17
DATE EXTRACTED: 12/01-04/17
DATE ANALYZED: 12/04/17
DATE REPORTED: 12/04/17

PCBs ANALYSIS
METHOD: EPA 3540C/8082
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	PCB-1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260	TOTAL PCBs*	DF
1120-29	171122-46	ND	ND	ND	ND	ND	0.922	ND	0.922	1
1120-30	171122-47	ND	ND	ND	ND	ND	ND	ND	ND	1
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1
	PQL	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected Or Below the Actual Detection Limit
* = Sum of the PCB 1016, 1221, 1232, 1242, 1248, 1254 and 1260
*** = The concentration exceeds the TTLC Limit of 50, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Gmail

Jessica Lin <curt.envirocheminc@gmail.com>

Malibu High - Bldg H

Cesar Ruvalcaba <Cesar.Ruvalcaba@altaenviron.com> Fri, Dec 1, 2017 at 11:19 AM
To: "Curtis B. Desilets" <curt.envirocheminc@gmail.com>, David Schack <David.Schack@altaenviron.com>

Please analyze the following 3" and 6" samples, laboratory numbers – 171122-46 (1120-29), 171122-47 (1120-30)

EXTRACT BY MONDAY 12/4/17

Cesar Ruvalcaba

PROJECT MANAGER

ALTA ENVIRONMENTAL

Expertise to Reduce Your Environmental and Safety Risks

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

o. 562.495.5777 | c. 310-951-9485 | f. 562.495.5877

Cesar.Ruvalcaba@altaenviron.com | www.altaenviron.com

2017 Compliance Calendar download here.

OSHA Alert: New Worker Health & Safety Requirement for silica. Read More Here.

Best Firms To Work For

Alta Environmental is the premier environmental services consultancy serving the needs of municipal, industrial, and construction clients throughout the Western United States. For more information about our air and water environmental compliance, subsurface remediation, building sciences and occupational safety capabilities, please click here for our website.

From: Curtis B. Desilets [mailto:curt.envirocheminc@gmail.com]
Sent: Friday, December 01, 2017 10:56 AM
To: Cesar Ruvalcaba <Cesar.Ruvalcaba@altaenviron.com>; David Schack <David.Schack@altaenviron.com>
Subject: Malibu High - Bldg H

[Quoted text hidden]

Enviro-Chem, Inc.

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

EPA 8082 QA/QC Report

Matrix: **Soil/Solid/Sludge** Date Analyzed: 12/4/2017

Unit: mg/Kg(PPM)

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

Spiked Sample Lab I.D.: 171128-24 MS/MSD

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
PCB (1016+1260)	0.000	0.100	0.083	**83%**	0.091	**91%**	**8%**	**0-20%**	**70-130**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	0.100	0.106	**106%**	**75-125**

Surrogate Recovery	ACP%	ACP%	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	171122-46	171122-47				
Tetra-chloro-meta-xylene	50-150	121%	119%	134%				
Decachlorobipneyl	50-150	91%	122%	115%				

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.								
Tetra-chloro-meta-xylene								
Decachlorobipneyl								

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.						
Tetra-chloro-meta-xylene						
Decachlorobipneyl						

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

* = *Surrogate fail due to matrix interference (If Marked)*

Note: ***LCS, MS, MSD are in control therefore results are in control.***

Analyzed and Reviewed By: _____

Final Reviewer: _____

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
0 1 Week (Standard)
Other:

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	EPA Method 8082 PCBs	COMMENTS
1120-1	171122-18	11-20-17	1600	Bulk	1 40z		Ice	X	1"
17 2	-19		1605		1			X	archive 3"
18 3	-20		1608		1			X	1 6"
19 4	-21		1630		1			X	1"
20 5	-22		1632		1			X	archive 3"
21 6	-23		1640		1			X	1 6"
22 7	-24		1645		1			X	1"
23 8	-25		1647		1			X	archive 3"
24 9	-26		1650		1			X	1 6"
10	-27		1658		1			X	1"
11	-28		1655		1			X	archive 3"
12	-29		1700		1			X	1 6"
13	-30		1705		1			X	1"
14	-31		1710		1			X	archive 3"
15	-32		1715		1			X	1 6"

Misc./PO# Bldg H

Analysis Required

Company Name: Alta Environmental	**Project Contact:** Cesar Bautista	**Sampler's Signature:**
Address: 3777 Long Beach Blvd	**Tel:**	**Project Name/ID:** Malibu High - Bldg H
City/State/Zip: Long Beach Ca	**Fax:**	

Relinquished by:	Received by:	Date & Time: 11/27/17 10:11 AM	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	Date & Time:	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	O Other:

CHAIN OF CUSTODY RECORD

Date: 11-22-17

WHITE WITH SAMPLE • YELLOW TO CLIENT

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
0 ~~1 Week~~ (Standard)
Other:

Misc./PO# Bldg H

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required	COMMENTS
11-20-16	1711J2-33	11-20-17	1728		1X4oz				3"
17	- 34		1730						archive 6"
18	- 35		1735						1"
19	- 36		1800						1"
20	- 37		1830						archive 3"
21	- 38		1835						6"
22	- 39		1900						1"
23	- 40		1910						archive 3"
24	- 41		1920						6"
25	- 42		1940						1"
26	- 43		1945						archive 3"
27	- 44		1948						6"
28	- 45		1950						1"
29	- 46		1952						archive 3"
30	- 47		1954						6"

Company Name: Alta Environmental
Address: 3777 Long Beach Blvd
City/State/Zip: Long Beach Ca

Project Contact: Cesar Ruvalcaba
Tel:
Fax:

Sampler's Signature:
Project Name/ID: malibu - Bldg H

Relinquished by:	Received by:	Date & Time: 11/22/17 11:11 AM
Relinquished by:	Received by:	Date & Time:
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
O Other:

CHAIN OF CUSTODY RECORD

Date: _____

WHITE WITH SAMPLE • YELLOW TO CLIENT

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

Date: December 8, 2017

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

Project: **SMSD-17-7249**
Lab I.D.: **171204-60 through -85**

Dear Mr. Ruvalcaba:

The **analytical results** for the solid samples, received by our laboratory on December 4, 2017, are attached. The samples were received intact, and accompanying chain of custody.

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

Sincerely,

Curtis Desilets
Vice President/Program Manager

for

Andy Wang
Laboratory Manager

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

LABORATORY REPORT

CUSTOMER: **Alta Environmental**
3777 Long Beach Blvd, Annex Building, Long Beach, CA 90807
Tel: (562) 495-5777 Email: Cesar.Ruvalcaba@altaenviron.com
PROJECT: **SMSD-17-7249**

DATE SAMPLED: 12/01/17
MATRIX: SOLID
REPORT TO: MR. CESAR RUVALCABA

DATE RECEIVED: 12/04/17
DATE EXTRACTED: 12/05-06/17
DATE ANALYZED: 12/06&07/17
DATE REPORTED: 12/08/17

PCBs ANALYSIS
METHOD: EPA 3540C/8082; PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	PCB-1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260	TOTAL PCBs*	DF
1201-01	171204-60	ND	ND	ND	ND	ND	1.83	ND	1.83	1
1201-03	171204-61	ND	ND	ND	ND	ND	2.79	ND	2.79	1
1201-04	171204-62	ND	ND	ND	ND	ND	ND	ND	ND	2^
1201-05	171204-63	ND	ND	ND	ND	ND	ND	ND	ND	2^
1201-06	171204-64	ND	ND	ND	ND	ND	ND	ND	ND	1
1201-07	171204-65	ND	ND	ND	ND	ND	ND	ND	ND	1
1201-08	171204-66	ND	ND	ND	ND	ND	ND	ND	ND	1
1201-09	171204-67	ND	ND	ND	ND	ND	2.88	ND	2.88	1
1201-10	171204-68	ND	ND	ND	ND	ND	ND	ND	ND	1
1201-11	171204-69	ND	ND	ND	ND	ND	ND	ND	ND	1000**
1201-12	171204-70	ND	ND	ND	ND	ND	118	ND	118	20
1201-14	171204-71	ND	ND	ND	ND	ND	ND	ND	ND	1
1201-15	171204-72	ND	ND	ND	ND	ND	ND	ND	ND	10**
1201-16	171204-73	ND	ND	ND	ND	ND	ND	ND	ND	1
1201-17	171204-74	ND	ND	ND	ND	ND	ND	ND	ND	4^
1201-18	171204-75	ND	ND	ND	ND	ND	16.7	ND	16.7	1
1201-19	171204-76	ND	ND	ND	ND	ND	50.8	ND	50.8	4
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1
	PQL	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected Or Below the Actual Detection Limit
* = Sum of the PCB 1016, 1221, 1232, 1242, 1248, 1254 and 1260
*** = The concentration exceeds the TTLC Limit of 50, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
^ = Actual detection limit raised due to limited sample
** = Actual detection limit raised due to matrix interference

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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

LABORATORY REPORT

CUSTOMER: **Alta Environmental**
3777 Long Beach Blvd, Annex Building, Long Beach, CA 90807
Tel: (562) 495-5777 Email: Cesar.Ruvalcaba@altaenviron.com
PROJECT: **SMSD-17-7249**

DATE SAMPLED: 12/01/17
MATRIX: SOLID
REPORT TO: MR. CESAR RUVALCABA

DATE RECEIVED: 12/04/17
DATE EXTRACTED: 12/05-06/17
DATE ANALYZED: 12/07/17
DATE REPORTED: 12/08/17

PCBs ANALYSIS
METHOD: EPA 3540C/8082; PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	PCB-1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260	TOTAL PCBs*	DF
1201-20	171204-77	ND	ND	ND	ND	ND	ND	ND	ND	1
1201-21	171204-78	ND	ND	ND	ND	ND	ND	ND	ND	1
1201-22	171204-79	ND	ND	ND	ND	ND	ND	ND	ND	10**
1201-23	171204-80	ND	ND	ND	ND	ND	ND	ND	ND	1
1201-24	171204-81	ND	ND	ND	ND	ND	ND	ND	ND	1
1201-25	171204-82	ND	ND	ND	ND	ND	ND	ND	ND	1
1201-26	171204-83	ND	ND	ND	ND	ND	ND	ND	ND	1
1201-27	171204-84	ND	ND	ND	ND	ND	ND	ND	ND	1
1201-28	171204-85	ND	ND	ND	ND	ND	ND	ND	ND	1
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1
PQL		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected Or Below the Actual Detection Limit
* = Sum of the PCB 1016, 1221, 1232, 1242, 1248, 1254 and 1260
*** = The concentration exceeds the TTLC Limit of 50, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
** = Actual detection limit raised due to matrix interference

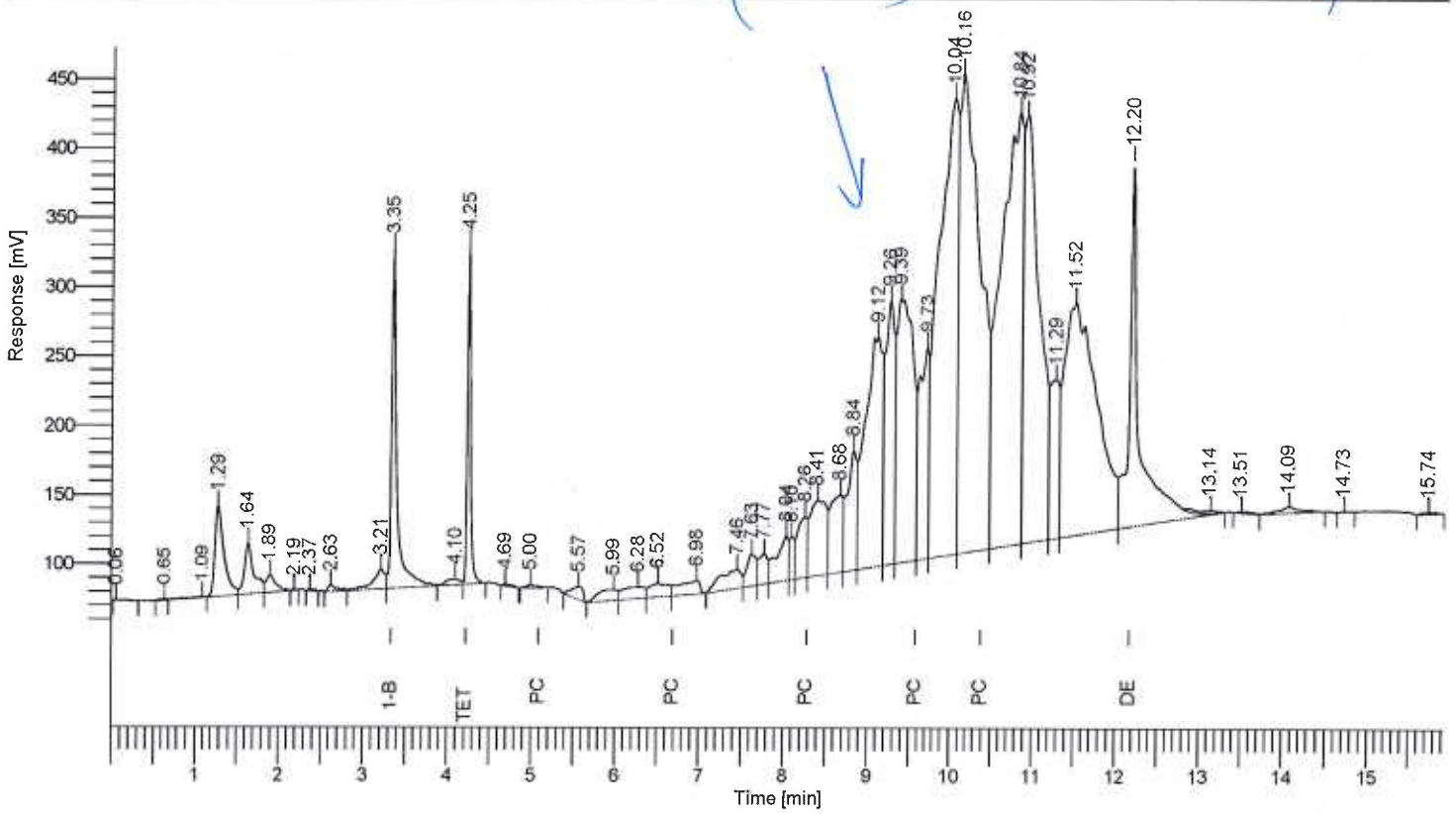
Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Software Version : 6.3.2.0646
Sample Name : 171204-69 1/5000 RE
Instrument Name : GC-E
Rack/Vial : 0/77
Sample Amount : 1.000000
Cycle : 2

Date : 12/8/2017 9:17:55 AM
Data Acquisition Time : 12/7/2017 3:23:04 PM
Channel : B
Operator : manager
Dilution Factor : 1.000000

Result File : D:\GC DATA\GC-E\E02017\E1712\E171205\B110.rst
Sequence File : D:\GC DATA\GC-E\E02017\E1712\E171205\E171205.seq

(1201-11) - MATRIX INTERFERENCE



PCB Results

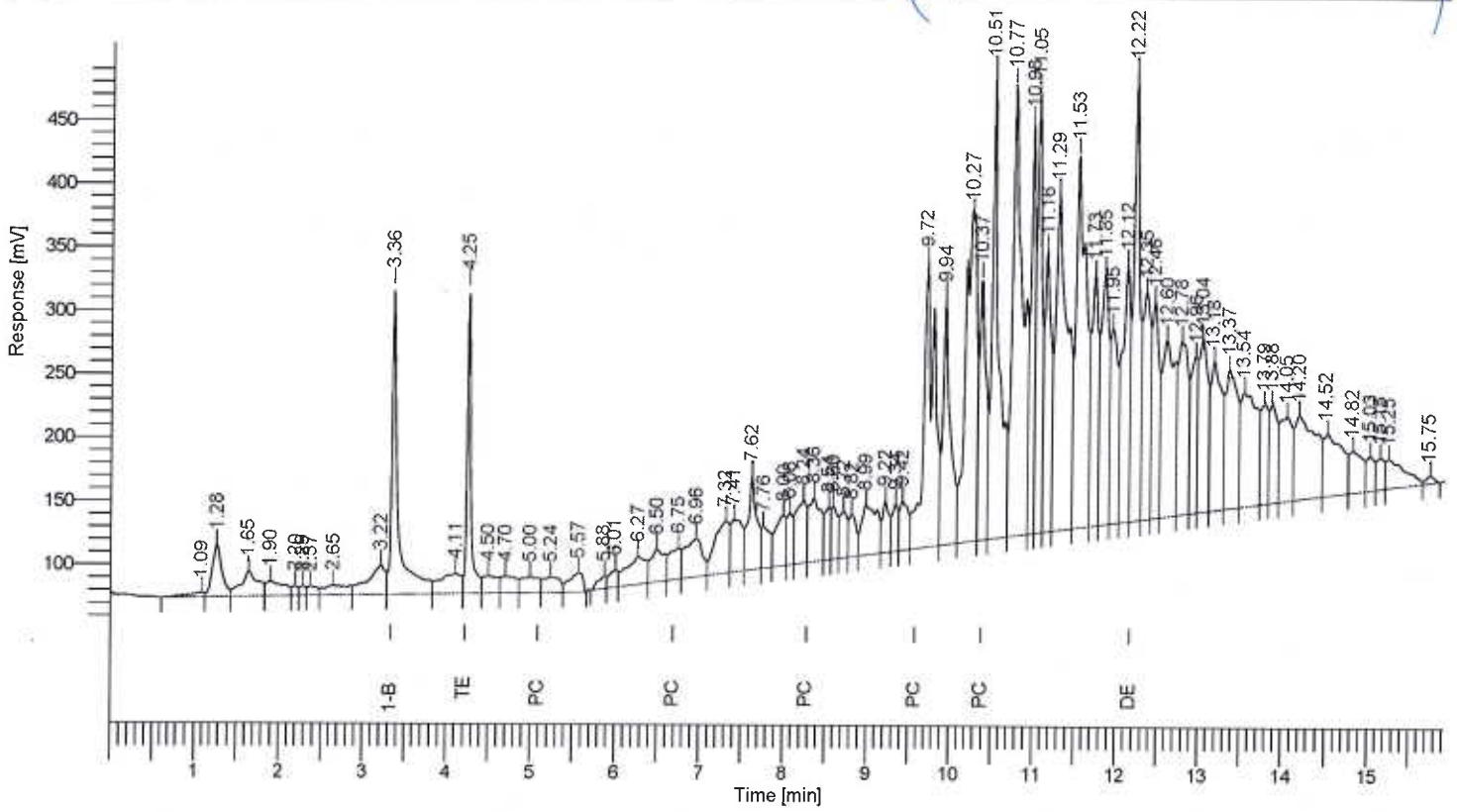
Peak #	Component Name	Time [min]	Area [uV*sec]	Height [µV]	Adjusted Amount
11	1-Bromo-2-Nitrobenzene	3.35	1100334.79	242614.18	----------
13	Tetra chloro-meta-xylene	4.25	661790.78	235752.61	105.153
	PCB (1016+1260)	9.73	2136732.25	210042.13	0.718
40	Decachlorobiphenyl	12.20	2177020.52	260940.60	215.914
			6075878.34	949349.53	321.784

Software Version : 6.3.2.0646
Sample Name : 171204-72 0.5/25 RE
Instrument Name : GC-E
Rack/Vial : 0/71
Sample Amount : 1.000000
Cycle : 3

Date : 12/8/2017 9:12:48 AM
Data Acquisition Time : 12/7/2017 2:16:13 PM
Channel : B
Operator : manager
Dilution Factor : 1.000000

Result File : D:\GC DATA\GC-E\E02017\E1712\E171205\B107.rst
Sequence File : D:\GC DATA\GC-E\E02017\E1712\E171205\E171205.seq

(1201-11 - MATRIX INTERFERENCE)



PCB Results

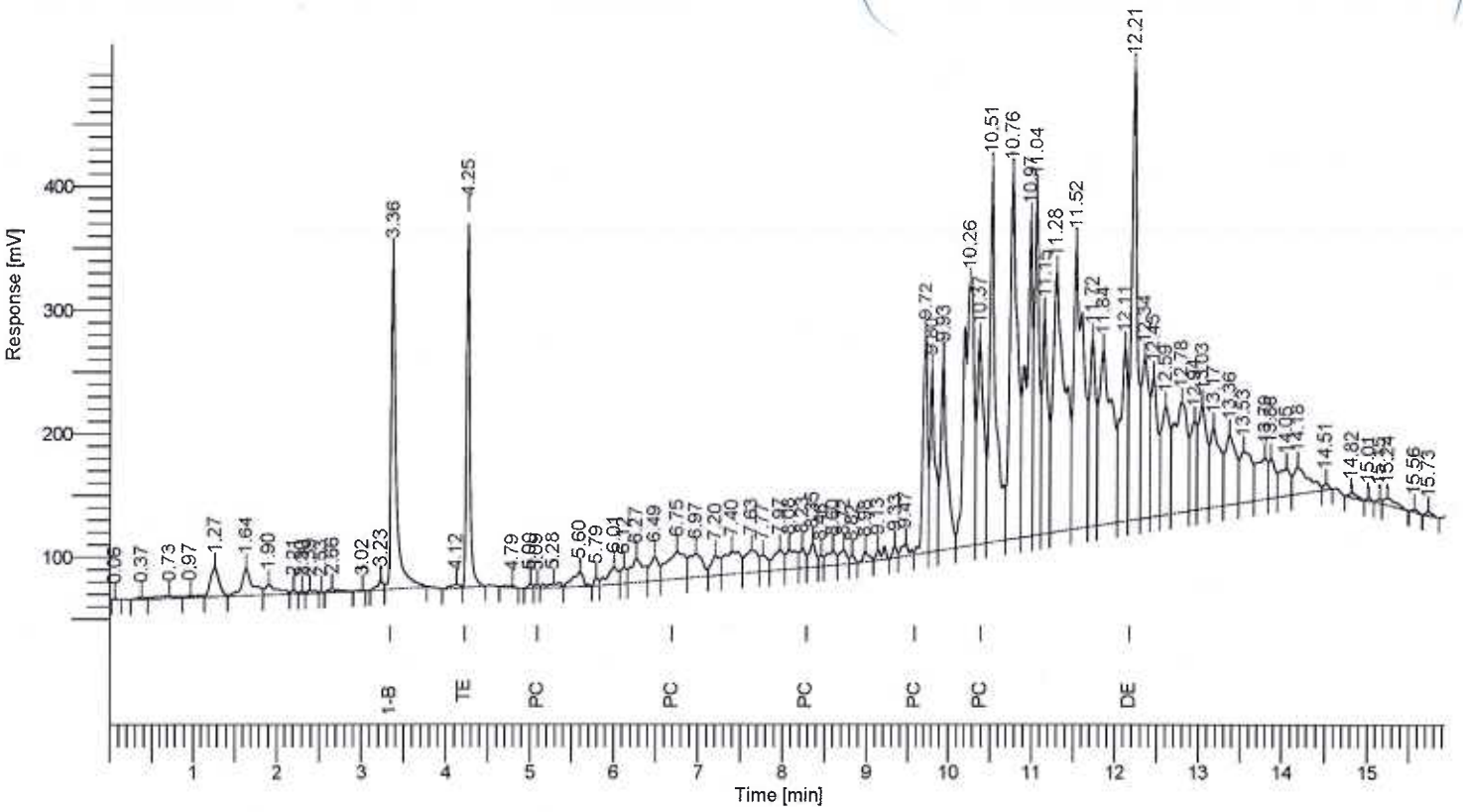
Peak #	Component Name	Time [min]	Area [uV*sec]	Height [µV]	Adjusted Amount
10	1-Bromo-2-Nitrobenzene	3.36	1304472.17	240084.08	----------
12	Tetra chloro-meta-xylene	4.25	784910.73	231923.85	105.199
	PCB (1016+1260)	10.51	5304647.37	673869.67	1.503
55	Decachlorobiphenyl	12.22	1824578.29	351050.52	152.641
			9218608.56	1496928.12	259.342

Software Version : 6.3.2.0646
Sample Name : 171204-79 1/50 RE
Instrument Name : GC-E
Rack/Vial : 0/38
Sample Amount : 1.000000
Cycle : 3

Date : 12/8/2017 9:44:33 AM
Data Acquisition Time : 12/8/2017 8:54:01 AM
Channel : B
Operator : tcprocess
Dilution Factor : 1.000000

Result File : D:\GC DATA\GC-E\E02017\E1712\E171205\B127.rst
Sequence File : D:\GC DATA\GC-E\E02017\E1712\E171205\E171205.seq

((1201-22) - MATRIX INTERFERENCE)



PCB Results

Peak #	Component Name	Time [min]	Area [uV*sec]	Height [µV]	Adjusted Amount
15	1-Bromo-2-Nitrobenzene	3.36	1161012.39	268559.94	----------
17	Tetra chloro-meta-xylene	4.25	840574.08	288216.49	126.580
	PCB (1016+1260)	10.51	2842701.17	516006.58	0.905
61	Decachlorobiphenyl	12.21	1676389.62	363398.95	157.572
			6520677.26	1436181.95	285.058

Enviro-Chem, Inc.

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

EPA 8082 QA/QC Report

Matrix: **Soil/Solid/Sludge** Date Analyzed: 12/6-7/2017

Unit: mg/Kg(PPM)

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

Spiked Sample Lab I.D.: 171206-LCS 3/4

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
PCB (1016+1260)	0.000	0.100	0.083	**83%**	0.083	**83%**	**1%**	**0-20%**	**70-130**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	0.100	0.083	**83%**	**75-125**

Surrogate Recovery	ACP%	ACP%	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	171201-212	171201-215	171201-216	171204-60	171204-61	171204-62
Tetra-chloro-meta-xylene	50-150	128%	124%	465*%	305*%	156*%	123%	133%
Decachlorobipneyl	50-150	96%	101%	82%	74%	135%	85%	93%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	171204-63	171204-64	171204-65	171204-66	171204-67	171204-68	171204-69	171204-70
Tetra-chloro-meta-xylene	121%	137%	136%	138%	116%	112%	105%	114%
Decachlorobipneyl	84%	101%	102%	100%	86%	67%	216*%	101%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	171204-72	171204-73	171204-74	171204-75	171204-76	
Tetra-chloro-meta-xylene	105%	110%	86%	96%	95%	
Decachlorobipneyl	153*%	127%	76%	73%	121%	

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

** = Surrogate fail due to matrix interference (If Marked)*

Note: *LCS, MS, MSD are in control therefore results are in control.*

Analyzed and Reviewed By: _____

Final Reviewer: _____

Enviro-Chem, Inc.

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

EPA 8082 QA/QC Report

Matrix: **Soil/Solid/Sludge** Date Analyzed: 12/7-8/2017

Unit: mg/Kg(PPM)

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

Spiked Sample Lab I.D.: 171207-LCS 1/2

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
PCB (1016+1260)	0.000	0.100	0.088	**88%**	0.086	**86%**	**3%**	**0-20%**	**70-130**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	0.100	0.088	**88%**	**75-125**

Surrogate Recovery	ACP%	ACP%	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	171204-77	171204-78	171204-79	171204-80	171204-81	171204-82
Tetra-chloro-meta-xylene	50-150	108%	107%	91%	127%	134%	103%	123%
Decachlorobipneyl	50-150	90%	137%	80%	158*%	134%	120%	98%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	171204-83	171204-84	171204-85					
Tetra-chloro-meta-xylene	117%	125%	125%					
Decachlorobipneyl	96%	84%	97%					

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.						
Tetra-chloro-meta-xylene						
Decachlorobipneyl						

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

* = *Surrogate fail due to matrix interference (If Marked)*

Note: ***LCS, MS, MSD are in control therefore results are in control.***

Analyzed and Reviewed By: _____

Final Reviewer: _____

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
☒ 1 Week (Standard)
Other:

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	EPA 8252	Misc./PO#	COMMENTS
					Analysis Required					
1201-01	1711204-60	12/1/17	1501	Bulk	1	4°C	ICE	X		
1201-03	-61		1522		1			X		
1201-04	-62		1540		1			X		
1201-05	-63		1555		1			X		
1201-06	-64		1615		1			X		
1201-07	-65		1635		1			X		
1201-08	-66		1650		1			X		
1201-09	-67		1715		1			X		
1201-10	-68		1733		1			X		
1201-11	-69		1749		1			X		
1201-12	-70		1800		1			X		
1201-14	-71		1817		1			X		
1201-15	-72		1840		1			X		
1201-16	-73		1852		1			X		
1201-17	-74		1908		1			X		

Company Name: ALTA Environmental
Address: 3777 Long Beach Blvd, Annex Bldg
City/State/Zip: Long Beach CA 90807

Project Contact: Cesar.Duval@altaenviron.com
Tel:
Fax:

Sampler's Signature: 12/1/17
Project Name/ID: SMSO-17-7249

Relinquished by:	Received by:	Date & Time: 12/4/17 1515
Relinquished by:	Received by:	Date & Time:
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
O Other:

CHAIN OF CUSTODY RECORD

Date:

WHITE WITH SAMPLE • YELLOW TO CLIENT

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
X 1 Week (Standard)
Other:

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	EPA 8082	Misc./PO#
					Analysis Required				COMMENTS
1201-18	171204-75	12/1/17	1930	Bulk	1	40C	ICE	X	
1201-19	-76		1945		1			X	
1201-20	-77		2010		1			X	
1201-21	-78		2030		1			X	
1201-22	-79		2043		1			X	
1201-23	-80		2120		1			X	
1201-24	-81		2145		1			X	
1201-25	-82		2205		1			X	
1201-26	-83		2232		1			X	
1201-27	-84		2252		1			X	
1201-28	-85		2300		1			X	

Company Name: ALTA Environmental
Address: 3777 Long Beach Blvd Annex Bldg
City/State/Zip: Long Beach CA 90807
Project Contact: Cesar.Rivalcaba@altaenviron.com
Tel:
Fax:
Sampler's Signature: 12/1/17
Project Name/ID: SMSD-17-7249

Relinquished by:	Received by:	Date & Time: 12/4/17 1515	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	Date & Time:	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	O Other

CHAIN OF CUSTODY RECORD

Date:

WHITE WITH SAMPLE - YELLOW TO CLIENT

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

Date: December 1, 2017

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

Project: **Malibu High - Bldg. J**
Lab I.D.: **171122-48 through -70**

Dear Mr. Ruvalcaba:

The **analytical results** for the solid samples, received by our laboratory on November 22, 2017, are attached. The samples were received intact, and accompanying chain of custody.

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

Sincerely,

Curtis Desilets
Vice President/Program Manager

Andy Wang
Laboratory Manager

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

LABORATORY REPORT

CUSTOMER: **Alta Environmental**
3777 Long Beach Blvd, Annex Building, Long Beach, CA 90807
Tel: (562) 495-5777 Email: Cesar.Ruvalcaba@altaenviron.com
PROJECT: **Malibu High - Bldg. J**

DATE SAMPLED: 11/21/17
MATRIX: SOLID
REPORT TO: MR. CESAR RUVALCABA

DATE RECEIVED: 11/22/17
DATE EXTRACTED: 11/27-28/17
DATE ANALYZED: 11/28&29/17
DATE REPORTED: 12/01/17

PCBs ANALYSIS
METHOD: EPA 3540C/8082
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	PCB-1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260	TOTAL PCBs*	DF
1121-1	171122-48	ND	ND	ND	ND	ND	3.43	ND	3.43	1
1121-4	171122-51	ND	ND	ND	ND	ND	3.12	ND	3.12	1
1121-7	171122-54	ND	ND	ND	ND	ND	7.26	ND	7.26	1
1121-10	171122-57	ND	ND	ND	ND	ND	ND	ND	ND	1
1121-13	171122-60	ND	ND	ND	ND	ND	1.51	ND	1.51	1
1121-16	171122-63	ND	ND	ND	ND	ND	2.62	ND	2.62	1
1121-17	171122-64	ND	ND	ND	ND	ND	2.52	ND	2.57	1
1121-20	171122-67	ND	ND	ND	ND	ND	21.7	ND	21.7	1
1121-21	171122-68	ND	ND	ND	ND	ND	16.2	ND	16.2	1
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1
	PQL	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected Or Below the Actual Detection Limit
* = Sum of the PCB 1016, 1221, 1232, 1242, 1248, 1254 and 1260
*** = The concentration exceeds the TTLC Limit of 50, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro-Chem, Inc.

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

EPA 8082 QA/QC Report

Matrix: **Soil/Solid/Sludge** Date Analyzed: 11/28-29/2017

Unit: mg/Kg(PPM)

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

Spiked Sample Lab I.D.: **171128-LCS1/2**

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
PCB (1016+1260)	0.000	0.100	0.107	**107%**	0.094	**94%**	**13%**	**0-20%**	**70-130**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	0.100	0.090	**90%**	**75-125**

Surrogate Recovery	ACP%	ACP%	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	171122-18	171122-21	171122-24	171122-27	171122-30	171122-33
Tetra-chloro-meta-xylene	50-150	109%	111%	111%	109%	113%	107%	116%
Decachlorobipneyl	50-150	101%	86%	124%	101%	116%	104%	82%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	171122-35	171122-36	171122-39	171122-42	171122-45	171122-48	171122-51	171122-54
Tetra-chloro-meta-xylene	113%	110%	104%	111%	109%	110%	111%	114%
Decachlorobipneyl	96%	113%	109%	83%	77%	118%	108%	89%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	171122-57	171122-60	171122-63	171122-64	171122-67	171122-68
Tetra-chloro-meta-xylene	114%	121%	110%	111%	112%	111%
Decachlorobipneyl	91%	94%	83%	116%	91%	98%

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

** = Surrogate fail due to matrix interference (If Marked)*

Note: *LCS, MS, MSD are in control therefore results are in control.*

Analyzed and Reviewed By: _____

Final Reviewer: _____

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
0 1 Week (Standard)
Other:

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	EPA method 8260 BTEX	COMMENTS
1121-1	171122-48	11/21/17	1600	Bulk	1 Qoz		Ice	X	1"
2	- 49		1605		1			X	archive 3"
3	- 50		1610		1			X	+ 6"
4	- 51		1630		1			X	1"
5	- 52		1633		1			X	archive 3"
6	- 53		1640		1			X	+ 6"
7	- 54		1650		1			X	1"
8	- 55		1651		1			X	archive 3"
9	- 56		1700		1			X	+ 6"
10	- 57		1720		1			X	1"
11	- 58		1725		1			X	archive 3"
12	- 59		1730		1			X	+ 6"
13	- 60		1800		1			X	1"
14	- 61		1805		1			X	archive 3"
15	- 62	"	1810	"	1			X	+ 6"

Misc./PO#

Analysis Required

COMMENTS

Company Name: Alta Environmental	**Project Contact:** Cesar Ruelas	**Sampler's Signature:**
Address: 3777 Long Beach Blvd	**Tel:**	**Project Name/ID:** Malibu High - Study
City/State/Zip: Long Beach Ca	**Fax:**	

Relinquished by:	Received by:	Date & Time: 11/22/2017 1011 AM	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	Date & Time:	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	O Other:

CHAIN OF CUSTODY RECORD

Date: 11-22-17

WHITE WITH SAMPLE • YELLOW TO CLIENT

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
0 1 Week (Standard)
Other:

Misc./PO# Bldg J

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	EPA Method 8082 PCBs	COMMENTS
1121-16	1711122-63	11/21/17	1900	Bulk	1		Ice	X	1"
17	-64		1400		1			X	1"
18	-65		1930		1			X	archive 3"
19	-66		2000		1			X	6"
20	-67		2030		1			X	1"
21	-68		2031		1			X	1"
22	-69		2033		1			X	archive 3"
23	-70		2040		1			X	6"

Analysis Required

Company Name:	Project Contact: Cesar Rivalcaba
Address: 3777 Long Beach Blvd	Tel:
City/State/Zip: Long Beach Ca	Fax:
Sampler's Signature:	Project Name/ID: Malibu High - Bldg J

Relinquished by:	Received by:	Date & Time: 11/22/2017 7:11 AM
Relinquished by:	Received by:	Date & Time:
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
O Other:

CHAIN OF CUSTODY RECORD

Date: 11-22-17

WHITE WITH SAMPLE • YELLOW TO CLIENT

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

Date: December 6, 2017

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

Project: **Malibu High - Bldg. J**
Lab I.D.: **171122-48 through -70**

Dear Mr. Ruvalcaba:

The **additional PCBs results** for the solid samples, received by our laboratory on November 22, 2017, are attached. The samples were received chilled, intact, accompanying chain of custody and also stored per the EPA protocols.

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

Sincerely,

Curtis Desilets
Vice President/Program Manager

Andy Wang
Laboratory Manager

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

LABORATORY REPORT

CUSTOMER: **Alta Environmental**
3777 Long Beach Blvd, Annex Building, Long Beach, CA 90807
Tel: (562) 495-5777 Email: Cesar.Ruvalcaba@altaenviron.com
PROJECT: **Malibu High - Bldg. J**

DATE SAMPLED: 11/21/17
MATRIX: SOLID
REPORT TO: MR. CESAR RUVALCABA

DATE RECEIVED: 11/22/17
DATE EXTRACTED: 12/04-05/17
DATE ANALYZED: 12/05/17
DATE REPORTED: 12/06/17

PCBs ANALYSIS
METHOD: EPA 3540C/8082
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	PCB-1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260	TOTAL PCBs*	DF
1121-2	171122-49	ND	ND	ND	ND	ND	1.92	ND	1.92	1
1121-3	171122-50	ND	ND	ND	ND	ND	2.88	ND	2.88	1
1121-5	171122-52	ND	ND	ND	ND	ND	1.19	ND	1.19	1
1121-6	171122-53	ND	ND	ND	ND	ND	0.777	ND	0.777	1
1121-8	171122-55	ND	ND	ND	ND	ND	4.16	ND	4.16	1
1121-9	171122-56	ND	ND	ND	ND	ND	1.45	ND	1.45	1
1121-14	171122-61	ND	ND	ND	ND	ND	0.771	ND	0.771	1
1121-15	171122-62	ND	ND	ND	ND	ND	1.21	ND	1.21	1
1121-18	171122-65	ND	ND	ND	ND	ND	1.48	ND	1.48	1
1121-19	171122-66	ND	ND	ND	ND	ND	1.29	ND	1.29	1
1121-22	171122-69	ND	ND	ND	ND	ND	4.80	ND	4.80	1
1121-23	171122-70	ND	ND	ND	ND	ND	2.26	ND	2.26	1
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1
	PQL	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected Or Below the Actual Detection Limit
* = Sum of the PCB 1016, 1221, 1232, 1242, 1248, 1254 and 1260
*** = The concentration exceeds the TTLC Limit of 50, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro-Chem, Inc.

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

EPA 8082 QA/QC Report

Matrix: **Soil/Solid/Sludge** Date Analyzed: 12/5/2017

Unit: mg/Kg(PPM)

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

Spiked Sample Lab I.D.: 171205-LCS1/2

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
PCB (1016+1260)	0.000	0.100	0.083	**83%**	0.079	**79%**	**5%**	**0-20%**	**70-130**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	0.100	0.090	**90%**	**75-125**

Surrogate Recovery	ACP%	ACP%	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	171130-79	171130-82	171130-85	171130-88	171130-91	171130-94
Tetra-chloro-meta-xylene	50-150	120%	125%	139%	145%	125%	127%	140%
Decachlorobipneyl	50-150	78%	100%	143%	138%	120%	111%	108%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	171130-97	171130-98	171122-49	171122-50	171122-52	171122-53	171122-55	171122-56
Tetra-chloro-meta-xylene	120%	123%	121%	125%	133%	124%	126%	113%
Decachlorobipneyl	110%	115%	122%	105%	105%	85%	107%	98%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	171122-61	171122-62	171122-65	171122-66	171122-69	171122-70
Tetra-chloro-meta-xylene	112%	120%	124%	121%	124%	119%
Decachlorobipneyl	70%	89%	87%	147%	100%	115%

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

** = Surrogate fail due to matrix interference (If Marked)*

Note: *LCS, MS, MSD are in control therefore results are in control.*

Analyzed and Reviewed By:

Final Reviewer:

Gmail

Jessica Lin <envirocheminc@gmail.com>

Fwd: Malibu High - Bldg J

Curtis B. Desilets <curt.envirocheminc@gmail.com> Mon, Dec 4, 2017 at 9:51 AM
To: Jessica Lin <envirocheminc@gmail.com>, "JH (Enviro-chem)" <jh04envirocheminc@gmail.com>, Brett Johnston <brett@adinservices.com>

On the second set of ALTA samples we need to run all of the 3"and 6" samples except for 171122-58 and 59.
Holding time for the extraction is up on Tuesday (12/5/17), tomorrow, so please make sure all extracts are done. Analysis can wait until later in the week if need be.
171122-48~72. Thanks!! - Curtis

---------- Forwarded message ----------
From: **Cesar Ruvalcaba** <Cesar.Ruvalcaba@altaenviron.com>
Date: Mon, Dec 4, 2017 at 9:29 AM
Subject: RE: Malibu High - Bldg J
To: "Curtis B. Desilets" <curt.envirocheminc@gmail.com>, David Schack <David.Schack@altaenviron.com>

Please analyze all remaining samples (3" and 6") EXCEPT FOR 171122-58 AND 171122-59.

Normal TAT thanks.

Cesar Ruvalcaba

PROJECT MANAGER

ALTA ENVIRONMENTAL

Expertise to Reduce Your Environmental and Safety Risks

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

o. 562.495.5777 | c. 310-951-9485 | f. 562.495.5877

Cesar.Ruvalcaba@altaenviron.com | www.altaenviron.com

2017 Compliance Calendar **download here.**

OSHA Alert: New Worker Health & Safety Requirement for silica. **Read More Here.**

Alta Environmental is the premier environmental services consultancy serving the needs of municipal, industrial, and construction clients throughout the Western United States. For more information about our air and water environmental compliance, subsurface remediation, building sciences and occupational safety capabilities, please click here for our website.

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
0 1 Week (Standard) (circled)
Other:

Misc./PO#

Analysis Required: EPA method 8082 PCBs

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	EPA method 8082 PCBs									COMMENTS
1121-1	171122-48	11/21/17	1600	Bulk	1	4oz	Ice	X									1"
2	-49		1605		1			X									archive 3"
3	-50		1610		1			X									+ 6"
4	-51		1630		1			X									1"
5	-52		1633		1			X									archive 3"
6	-53		1640		1			X									+ 6"
7	-54		1650		1			X									1"
8	-55		1651		1			X									archive 3"
9	-56		1700		1			X									+ 6"
10	-57		1720		1			X									1"
11	-58		1725		1			X									archive 3"
12	-59		1730		1			X									+ 6"
13	-60		1800		1			X									1"
14	-61		1805		1			X									archive 3"
15	-62		1810		1			X									+ 6"

Company Name: Alta Environmental
Address: 3777 Long Beach Blvd
City/State/Zip: Long Beach Ca

Project Contact: Cesar Ruvalcaba
Tel:
Fax:

Sampler's Signature: [signature]
Project Name/ID: Malibu Hotel - 5th T

Relinquished by: [signature]	Received by: [signature]	Date & Time: 11/22/2017 10:11 AM
Relinquished by:	Received by:	Date & Time:
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
O Other:

CHAIN OF CUSTODY RECORD

Date: 11-22-17

WHITE WITH SAMPLE • YELLOW TO CLIENT

Page 1 of 2

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
0 1 Week (Standard)
Other:

Misc./PO# Bldg J

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	EPA Method 8082 PCBs	COMMENTS
1121-16	1711122-63	11/21/17	1900	Bulk	1		Ice	X	1"
17	-64		1400		1			X	1"
18	-65		1930		1			X	archive 3"
19	-66		2000		1			X	↓ 6"
20	-67		2030		1			X	1"
21	-68		2031		1			X	1"
22	-69		2033		1			X	archive 3"
↓ 23	-70	↓	2040	↓	1		↓	X	↓ 6"

Analysis Required

Company Name: Alta Environmental
Address: 3777 Long Beach Blvd
City/State/Zip: Long Beach Ca

Project Contact: Cesar Ruvalcaba
Tel:
Fax:

Sampler's Signature:
Project Name/ID: Malibu High - Bldg J

Relinquished by:	Received by:	Date & Time: 11/22/2017 7:11 AM
Relinquished by:	Received by:	Date & Time:
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
O Other:

CHAIN OF CUSTODY RECORD

Date: 11-22-17

WHITE WITH SAMPLE • YELLOW TO CLIENT

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

Date: December 18, 2017

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

Project: **Malibu H.S. - Bldg. J**
Lab I.D.: **171215-22 through -33**

Dear Mr. Ruvalcaba:

The **analytical results** for the solid samples, received by our laboratory on December 15, 2017, are attached. The samples were received intact, and accompanying chain of custody.

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

Sincerely,

Curtis Desilets
Vice President/Program Manager

Andy Wang
Laboratory Manager

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

LABORATORY REPORT

CUSTOMER: **Alta Environmental**
3777 Long Beach Blvd, Annex Building, Long Beach, CA 90807
Tel: (562) 495-5777 Email: Cesar.Ruvalcaba@altaenviron.com
PROJECT: **Malibu H.S. - Bldg. J**

DATE SAMPLED: 12/14/17
MATRIX: SOLID
REPORT TO: MR. CESAR RUVALCABA

DATE RECEIVED: 12/15/17
DATE EXTRACTED: 12/15/17
DATE ANALYZED: 12/15/17
DATE REPORTED: 12/18/17

PCBs ANALYSIS
METHOD: EPA 3540C/8082
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	PCB-1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260	TOTAL PCBs*	DF
1214-01	171215-22	ND	ND	ND	ND	ND	ND	ND	ND	1
1214-02	171215-23	ND	ND	ND	ND	ND	ND	ND	ND	1
1214-03	171215-24	ND	ND	ND	ND	ND	2.07	ND	2.07	1
1214-04	171215-25	ND	ND	ND	ND	ND	0.914	ND	0.914	1
1214-05	171215-26	ND	ND	ND	ND	ND	1.81	ND	1.81	1
1214-06	171215-27	ND	ND	ND	ND	ND	1.63	ND	1.63	1
1214-07	171215-28	ND	ND	ND	ND	ND	1.76	ND	1.76	1
1214-08	171215-29	ND	ND	ND	ND	ND	1.90	ND	1.90	1
1214-09	171215-30	ND	ND	ND	ND	ND	1.03	ND	1.03	1
1214-10	171215-31	ND	ND	ND	ND	ND	0.791	ND	0.791	1
1214-11	171215-32	ND	ND	ND	ND	ND	1.62	ND	1.62	1
1214-12	171215-33	ND	ND	ND	ND	ND	2.30	ND	2.30	1
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1
PQL		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected Or Below the Actual Detection Limit
* = Sum of the PCB 1016, 1221, 1232, 1242, 1248, 1254 and 1260
*** = The concentration exceeds the TTLC Limit of 50, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro-Chem, Inc.

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

EPA 8082 QA/QC Report

Matrix: **Soil/Solid/Sludge** Date Analyzed: 12/15-16/2017

Unit: mg/Kg(PPM)

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

Spiked Sample Lab I.D.: 171215-LCS1/2

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
PCB (1016+1260)	0.000	0.100	0.096	**96%**	0.091	**91%**	**6%**	**0-20%**	**70-130**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	0.100	0.103	**103%**	**75-125**

Surrogate Recovery	ACP%	ACP%	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	171215-22	171215-23	171215-24	171215-25	171215-26	171215-27
Tetra-chloro-meta-xylene	50-150	106%	101%	108%	108%	106%	112%	99%
Decachlorobipneyl	50-150	80%	80%	76%	76%	80%	83%	80%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	171215-28	171215-29	171215-30	171215-31	171215-32	171215-33	171215-34	171215-35
Tetra-chloro-meta-xylene	109%	107%	109%	109%	107%	95%	103%	102%
Decachlorobipneyl	85%	83%	77%	93%	84%	94%	85%	90%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	171215-36	171215-37	171215-38	171215-39	171215-40	171215-41
Tetra-chloro-meta-xylene	109%	109%	106%	109%	109%	109%
Decachlorobipneyl	143%	81%	79%	83%	79%	84%

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

** = Surrogate fail due to matrix interference (If Marked)*

Note: *LCS, MS, MSD are in control therefore results are in control.*

Analyzed and Reviewed By: _____

Final Reviewer: _____

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
~~0 Same Day~~
X 24 Hours (circled)
0 48 Hours
0 72 Hours
0 1 Week (Standard)
Other:

RUSH

Misc./PO#: Malibu - Bldg J

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required: EPA Method 8082 - PCBs	COMMENTS
1214-01	171215-22	12-14-17	1600	Bulk	1	4oz	Ice	X	9"
02	-23		1605		1			X	12"
03	-24		1640		1			X	9"
04	-25		1645		1			X	12"
05	-26		1730		1			X	9"
06	-27		1732		1			X	12"
07	-28		1800		1			X	9"
08	-29		1810		1			X	12"
09	-30		1830		1			X	9"
10	-31		1842		1			X	12"
11	-32		1845		1			X	9"
12	-33		1850		1			X	12"

Company Name: Alta Environmental

Address: 3777 Long Beach Blvd

City/State/Zip: Long Beach Ca

Project Contact: Cesar Ruvalcaba

Tel:

Fax:

Sampler's Signature: [signature]

Project Name/ID: Malibu H.S. - Bldg J

Relinquished by: [signature]	Received by: [signature]	Date & Time: 12/14/17 1130
Relinquished by:	Received by:	Date & Time:
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
O Other:

CHAIN OF CUSTODY RECORD

Date: 12-15-17

WHITE WITH SAMPLE • YELLOW TO CLIENT

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

Date: December 28, 2017

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

Project: **Malibu H.S.**
Lab I.D.: **171227-5 through -15**

Dear Mr. Ruvalcaba:

The **analytical results** for the solid samples, received by our laboratory on December 27, 2017, are attached. The samples were received intact, and accompanying chain of custody.

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

Sincerely,

Curtis Desilets
Vice President/Program Manager

Andy Wang
Laboratory Manager

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

LABORATORY REPORT

CUSTOMER: **Alta Environmental**
3777 Long Beach Blvd, Annex Building, Long Beach, CA 90807
Tel: (562) 495-5777 Email: Cesar.Ruvalcaba@altaenviron.com
PROJECT: **Malibu H.S.**

DATE SAMPLED: 12/26/17
MATRIX: SOLID
REPORT TO: MR. CESAR RUVALCABA

DATE RECEIVED: 12/27/17
DATE EXTRACTED: 12/27&28/17
DATE ANALYZED: 12/28/17
DATE REPORTED: 12/28/17

PCBs ANALYSIS
METHOD: EPA 3540C/8082
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	PCB-1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260	TOTAL PCBs*	DF
1226-01	171227-5	ND	ND	ND	ND	ND	ND	ND	ND	1
1226-02	171227-6	ND	ND	ND	ND	ND	ND	ND	ND	1
1226-03	171227-7	ND	ND	ND	ND	ND	ND	ND	ND	1
1226-04	171227-8	ND	ND	ND	ND	ND	ND	ND	ND	1
1226-05	171227-9	ND	ND	ND	ND	ND	ND	ND	ND	1
1226-06	171227-10	ND	ND	ND	ND	ND	ND	ND	ND	1
1226-07	171227-11	ND	ND	ND	ND	ND	ND	ND	ND	1
1226-08	171227-12	ND	ND	ND	ND	ND	ND	ND	ND	1
1226-09	171227-13	ND	ND	ND	ND	ND	ND	ND	ND	1
1226-10	171227-14	ND	ND	ND	ND	ND	ND	ND	ND	1
1226-11	171227-15	ND	ND	ND	ND	ND	ND	ND	ND	1
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1
	PQL	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected Or Below the Actual Detection Limit
* = Sum of the PCB 1016, 1221, 1232, 1242, 1248, 1254 and 1260
*** = The concentration exceeds the TTLC Limit of 50, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro-Chem, Inc.

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

EPA 8082 QA/QC Report

Matrix: **Soil/Solid/Sludge** Date Analyzed: 12/28/2017

Unit: mg/Kg(PPM)

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

Spiked Sample Lab I.D.:

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
PCB (1016+1260)	0.000	0.100		**0%**		**0%**	**#DIV/0!**	**0-20%**	**70-130**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	0.100	0.106	**106%**	**75-125**

Surrogate Recovery	ACP%	ACP%	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	171227-5	171227-6	171227-7	171227-8	171227-9	171227-10
Tetra-chloro-meta-xylene	50-150	117%	116%	119%	125%	121%	102%	111%
Decachlorobipneyl	50-150	64%	80%	65%	86%	80%	51%	54%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	171227-11	171227-12	171227-13	171227-14	171227-15			
Tetra-chloro-meta-xylene	109%	112%	127%	122%	130%			
Decachlorobipneyl	70%	74%	52%	104%	71%			

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.						
Tetra-chloro-meta-xylene						
Decachlorobipneyl						

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

** = Surrogate fail due to matrix interference (If Marked)*

Note: ***LCS, MS, MSD are in control therefore results are in control.***

Analyzed and Reviewed By: _____

Final Reviewer: _____

RUSH

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

RUSH

Turnaround Time
- ~~0 Same Day~~
- 0 24 Hours
- ~~0 48 Hours~~
- 0 72 Hours
- 0 1 Week (Standard)
- Other:

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	EPA 8082	Misc./PO#	COMMENTS
				Analysis Required						
1226-01	171227-5	12/26/17		Bulk			ICE	X		Bldg H
1226-02	- 6							X		
1226-03	- 7							X		
1226-04	- 8							X		
1226-05	- 9							X		
1226-06	- 10							X		
1226-07	- 11							X		Bldg D
1226-08	- 12							X		
~~1226-09~~	- 13							X		Bldg J
1226-10	- 14							X		
1226-11	- 15				1 X40z			X		

Company Name: ALTA Environmental	Project Contact: Cesar.Rivalcaba@altaenviron.com	Sampler's Signature:	
Address: 3777 Long Beach Blvd, Annex Bldg	Tel:	Project Name/ID: Malibu HS	
City/State/Zip: Long Beach CA 90807	Fax:	~~B450-17~~	

Relinquished by: 12/27/17 1250	Received by:	12/27/17 1300	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	Date & Time:	O Dispose of O Return to Client O Store (30 Days
Relinquished by:	Received by:	Date & Time:	O Other:

CHAIN OF CUSTODY RECORD

Date: 12/27/17

WHITE WITH SAMPLE • YELLOW TO CLIENT

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

Date: February 15, 2018

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

Project: **Malibu High School - Building J&H**
Lab I.D.: **180213-43 through -68**

Dear Mr. Ruvalcaba:

The **analytical results** for the solid samples, received by our laboratory on February 13, 2018, are attached. The samples were received intact, and accompanying chain of custody.

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

Sincerely,

Curtis Desilets
Vice President/Program Manager

FOR
Andy Wang
Laboratory Manager

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

LABORATORY REPORT

CUSTOMER: **Alta Environmental**
3777 Long Beach Blvd, Annex Building, Long Beach, CA 90807
Tel: (562) 495-5777 Email: Cesar.Ruvalcaba@altaenviron.com
PROJECT: **Malibu High School - Building J&H**

DATE SAMPLED: 02/12/18
MATRIX: SOLID
REPORT TO: MR. CESAR RUVALCABA

DATE RECEIVED: 02/13/18
DATE EXTRACTED: 02/13-14/18
DATE ANALYZED: 02/14&15/18
DATE REPORTED: 02/15/18

PCBs ANALYSIS
METHOD: EPA 3540C/8082; PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	PCB-1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260	TOTAL PCBs*	DF
212-01	180213-43	ND	ND	ND	ND	ND	ND	ND	ND	1
212-02	180213-44	ND	ND	ND	ND	ND	ND	ND	ND	4^
212-03	180213-45	ND	ND	ND	ND	ND	ND	ND	ND	1
212-04	180213-46	ND	ND	ND	ND	ND	ND	ND	ND	4^
212-05	180213-47	ND	ND	ND	ND	ND	ND	ND	ND	1
212-06	180213-48	ND	ND	ND	ND	ND	ND	ND	ND	1
212-07	180213-49	ND	ND	ND	ND	ND	53.3***	ND	53.3***	5
212-08	180213-50	ND	ND	ND	ND	ND	976***	ND	976***	40
212-09	180213-51	ND	ND	ND	ND	ND	6.55	ND	6.55	1
212-10	180213-52	ND	ND	ND	ND	ND	32.6	ND	32.6	4
212-11	180213-53	ND	ND	ND	ND	ND	1.00	ND	1.00	1
212-12	180213-54	ND	ND	ND	ND	ND	22.1	ND	22.1	2
212-13	180213-55	ND	ND	ND	ND	ND	14.7	ND	14.7	1
212-14	180213-56	ND	ND	ND	ND	ND	1120***	ND	1120***	80
212-15	180213-57	ND	ND	ND	ND	ND	19.7	ND	19.7	1
212-16	180213-58	ND	ND	ND	ND	ND	2910***	ND	2910***	160
212-17	180213-59	ND	ND	ND	ND	ND	2.15	ND	2.15	1
212-18	180213-60	ND	ND	ND	ND	ND	ND	ND	ND	1
212-19	180213-61	ND	ND	ND	ND	ND	0.640	ND	0.640	1
212-20	180213-62	ND	ND	ND	ND	ND	3.14	ND	3.14	2
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1
	PQL	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected Or Below the Actual Detection Limit
* = Sum of the PCB 1016, 1221, 1232, 1242, 1248, 1254 and 1260
*** = The concentration exceeds the TTLC Limit of 50, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
^ = Actual detection limit raised due to matrix interference

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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

LABORATORY REPORT

CUSTOMER: **Alta Environmental**
3777 Long Beach Blvd, Annex Building, Long Beach, CA 90807
Tel: (562) 495-5777 Email: Cesar.Ruvalcaba@altaenviron.com
PROJECT: **Malibu High School - Building J&H**

DATE SAMPLED: 02/12/18
MATRIX: SOLID
REPORT TO: MR. CESAR RUVALCABA

DATE RECEIVED: 02/13/18
DATE EXTRACTED: 02/13-14/18
DATE ANALYZED: 02/14&15/18
DATE REPORTED: 02/15/18

PCBs ANALYSIS
METHOD: EPA 3540C/8082; PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	PCB-1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260	TOTAL PCBs*	DF
212-21	180213-63	ND	ND	ND	ND	ND	ND	ND	ND	1
212-21D	180213-64	ND	ND	ND	ND	ND	ND	ND	ND	1
212-22	180213-65	ND	ND	ND	ND	ND	ND	ND	ND	2^
212-22D	180213-66	ND	ND	ND	ND	ND	4.29	ND	4.29	4
212-23	180213-67	ND	ND	ND	ND	ND	93.5***	ND	93.5***	5
212-24	180213-68	ND	ND	ND	ND	ND	3420***	ND	3420***	160
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1
	PQL	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected Or Below the Actual Detection Limit
* = Sum of the PCB 1016, 1221, 1232, 1242, 1248, 1254 and 1260
*** = The concentration exceeds the TTLC Limit of 50, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
^ = Actual detection limit raised due to matrix interference

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro-Chem, Inc.

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

EPA 8082 QA/QC Report

Matrix: **Soil/Solid/Sludge** Date Analyzed: 2/14-15/2018

Unit: mg/Kg(PPM)

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

Spiked Sample Lab I.D.: 180214-LCS1/2

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
PCB (1016+1260)	0.000	0.100	0.085	**85%**	0.083	**83%**	**2%**	**0-20%**	**70-130**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	0.100	0.117	**117%**	**75-125**

Surrogate Recovery	ACP%	ACP%	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	180213-43	180213-44	180213-45	180213-46	180213-47	180213-48
Tetra-chloro-meta-xylene	50-150	132%	121%	106%	131%	107%	131%	105%
Decachlorobipneyl	50-150	111%	93%	71%	119%	101%	81%	86%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	180213-49	180213-50	180213-51	180213-52	180213-53	180213-54	180213-55	180213-56
Tetra-chloro-meta-xylene	129%	114%	136%	130%	123%	127%	127%	127%
Decachlorobipneyl	89%	95%	94%	127%	86%	77%	97%	93%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	180213-57	180213-58	180213-59	180213-60	180213-61	180213-62
Tetra-chloro-meta-xylene	116%	115%	129%	106%	117%	126%
Decachlorobipneyl	106%	99%	104%	120%	110%	131%

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

** = Surrogate fail due to matrix interference (If Marked)*

Note: *LCS, MS, MSD are in control therefore results are in control.*

Analyzed and Reviewed By: _____

Final Reviewer: _____

Enviro-Chem, Inc.

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

EPA 8082 QA/QC Report

Matrix: **Soil/Solid/Sludge** Date Analyzed: 2/14-15/2018

Unit: mg/Kg(PPM)

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

Spiked Sample Lab I.D.: 180214-LCS1/2

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
PCB (1016+1260)	0.000	0.100	0.088	**88%**	0.094	**94%**	**6%**	**0-20%**	**70-130**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	0.100	0.108	**108%**	**75-125**

Surrogate Recovery	ACP%	ACP%	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	180213-63	180213-64	180213-65	180213-66	180213-67	180213-68
Tetra-chloro-meta-xylene	50-150	134%	125%	134%	124%	127%	121%	113%
Decachlorobipneyl	50-150	96%	98%	92%	101%	121%	83%	106%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.								
Tetra-chloro-meta-xylene								
Decachlorobipneyl								

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.						
Tetra-chloro-meta-xylene						
Decachlorobipneyl						

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

** = Surrogate fail due to matrix interference (If Marked)*

Note: *LCS, MS, MSD are in control therefore results are in control.*

Analyzed and Reviewed By: _____

Final Reviewer: _____

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

RUSH

Turnaround Time
0 Same Day
✓ 24 Hours
0 48 Hours
0 72 Hours
0 1 Week (Standard)
Other:

Misc./PO#

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	EPA 8082	COMMENTS
				Analysis Required					
212-01	18023-43	2/12/18	1700	Bulk			Ice	X	
-02	-44		1715		1 x 402 jar			X	
-03	-45		1745					X	
-04	-46		1800					X	
-05	-47		1815					X	
-06	-48		1830					X	
-07	-49		1845					X	
-08	-50		1900					X	
-09	-51		1915					X	
-10	-52		1925					X	
-11	-53		1935					X	
-12	-54		1945					X	
-13	-55		1955					X	
-14	-56		2005					X	
-15	-57		2010					X	

Company Name: ALTA Environmental
Address: 3777 Long Beach Blvd, Annex Bldg
City/State/Zip: Long Beach CA 90807

Project Contact: Cesar.Rivalcaba@altaenviron.com
Tel:
Fax:

Sampler's Signature: J.R. / S.F.
Project Name/ID: Malibu High School Building J + H

Relinquished by: [signature] 2/13/18 12:00	Received by: Jessica P	2/13/18 Date & Time: 1300	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	Date & Time:	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	O Other:

CHAIN OF CUSTODY RECORD

Date: _____

WHITE WITH SAMPLE • YELLOW TO CLIENT

Page _____ of _____

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
0 1 Week (Standard)
Other:

RUSH

Misc./PO#

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required: EPA 8082	COMMENTS
212-16	180213-58	2/12/18	2015	Bulk	1X4OZ		Ice	X	
-17	-59		2025					X	
-18	-60		2035					X	
-19	-61		2045					X	
-20	-62		2055					X	
-21 S.F.	-63		2105					X	
-21D	-64		2115					X	Duplicate
-22	-65		2120					X	
-22D	-66		2125					X	Split Sep
-23	-67		2135					X	
-24	-68		2145					X	

Company Name: ALTA Environmental
Address: 3777 Long Beach Blvd, Annex Bldg
City/State/Zip: Long Beach CA 90807

Project Contact: Cesar.Ruvalcaba@altaenviron.com
Tel:
Fax:

Sampler's Signature: J.R. / S.F.
Project Name/ID: Malibu High School Bundy J+H

Relinquished by: [signature] 2/13/18 12:00	Received by: [illegible]	Date & Time: 2/13/18 1300
Relinquished by:	Received by:	Date & Time:
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
O Other:

CHAIN OF CUSTODY RECORD

Date:

WHITE WITH SAMPLE • YELLOW TO CLIENT

Page of

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 24
Date Received 04/17/2020
Date Reported 04/28/2020

Job Number	Order Date	Client
104488	04/17/2020	NV5

Project ID: SMSD-19-8997
Project Name: Malibu HS PCB
Site: Malibu HS

Enclosed please find results of analyses of 55 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

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CHAIN OF CUSTODY RECORD

AETL JOB No. 104488 120162

Page 1 of 4

COMPANY	NMS
COMPANY ADDRESS	3777 Long Beach Blvd
PROJECT NAME	Malibu HS PCB
SITE NAME AND ADDRESS	Malibu HS
PROJECT MANAGER	Jonathan Barkman
PHONE	
EMAIL	Jonathan.Barkman@NMS.com
PROJECT #	SMSO-18-8997
PO #	

	SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	ANALYSIS REQUESTED: EPA 8082	ANALYSIS REQUESTED: Soxhlet Extraction	TEST INSTRUCTIONS & COMMENTS
1	D-40	104488.01	4/16/20	1308	BULK	1	ICE	X	X	12"
2	D-41	104488.02	4/16/20	1315	BULK	1	ICE	X	X	6"
3	D-42	104488.03	4/16/20	1320	BULK	1	ICE	X	X	3"
4	D-43	104488.04	4/16/20	1325	BULK	1	ICE	X	X	1"
5	D-44	104488.05	4/17/20	0812	BULK	1	ICE	X	X	12"
6	D-45	104488.06	4/17/20	0817	BULK	1	ICE	X	X	6"
7	D-46	104488.07	4/17/20	0825	BULK	1	ICE	X	X	3"
8	D-47	104488.08	4/17/20	0835	BULK	1	ICE	X	X	1"
9	D-48	104488.09	4/17/20	0845	BULK	1	ICE	X	X	12"
10	D-49	104488.10	4/17/20	0850	BULK	1	ICE	X	X	6"
11	D-50	104488.11	4/17/20	0855	BULK	1	ICE	X	X	3"
12	D-51	104488.12	4/17/20	0900	BULK	1	ICE	X	X	1"
13	J-01	104488.13	4/17/20	0935	BULK	1	ICE	X	X	12"
14	J-02	104488.14	4/17/20	0940	BULK	1	ICE	X	X	6"
15	J-03	104488.15	4/17/20	0946	BULK	1	ICE	X	X	3"

TOTAL NUMBER OF CONTAINERS: 15

BILLING INFORMATION / SPECIAL INSTRUCTIONS

RELINQUISHED BY SAMPLER: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature:	Signature:	Signature:
Printed Name: Jorge Robles	Printed Name:	Printed Name:
Date: 4/17/20 Time: 1432	Date: Time:	Date: 4/17/20 Time: 1610
RECEIVED BY: 1.	**RECEIVED BY:** 2.	**RECEIVED BY LABORATORY:** 3.
Signature:	Signature:	Signature:
Printed Name: CHRISTIAN PINEDA	Printed Name:	Printed Name:
Date: 4/17/20 Time: 1432	Date: Time:	Date: 04/17/20 Time: 1610

TURN AROUND TIME

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

DATA DELIVERABLE REQUIRED

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

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2834 NORTH NAOMI ST. BURBANK, CALIFORNIA 91504 ELAP # 1541 LACSD# 10181
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CHAIN OF CUSTODY RECORD

AETL JOB No. 104488 120163

COMPANY: NV5
PROJECT MANAGER: Jonathan Barkman
COMPANY ADDRESS: 3777 Long Beach Blvd
PHONE:
EMAIL: Jonathan.barkman@NV5.com
PROJECT NAME: Malibu HS PCB
PROJECT #: SMSD-19-8557
SITE NAME AND ADDRESS: Malibu HS
PO #:

	SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	ANALYSIS REQUESTED: EPA 8082	ANALYSIS REQUESTED: Soxhlet Extraction	TEST INSTRUCTIONS & COMMENTS
1	J-04	104488.16	4/17/20	0950	BULK	1	ICE	X	X	1"
2	J-05	104488.17	4/17/20	1002	BULK	1	ICE	X	X	12"
3	J-06	104488.18	4/17/20	1007	BULK	1	ICE	X	X	6"
4	J-07	104488.19	4/17/20	1012	BULK	1	ICE	X	X	3"
5	J-08	104488.20	4/17/20	1018	BULK	1	ICE	X	X	1"
6	J-09	104488.21	4/17/20	1030	BULK	1	ICE	X	X	12"
7	J-10	104488.22	4/17/20	1038	BULK	1	ICE	X	X	6"
8	J-11	104488.23	4/17/20	1042	BULK	1	ICE	X	X	3"
9	J-12	104488.24	4/17/20	1048	BULK	1	ICE	X	X	1"
10	J-13	104488.25	4/17/20	1054	BULK	1	ICE	X	X	12"
11	J-14	104488.26	4/17/20	1100	BULK	1	ICE	X	X	6"
12	J-15	104488.27	4/17/20	1104	BULK	1	ICE	X	X	3"
13	J-15D	104488.28	4/17/20	1108	BULK	1	ICE	X	X	3" Duplicate
14	J-16	104488.29	4/17/20	1115	BULK	1	ICE	X	X	1"
15	J-17	104488.30	4/17/20	1138	BULK	1	ICE	X	X	12"

TOTAL NUMBER OF CONTAINERS: 15

BILLING INFORMATION / SPECIAL INSTRUCTIONS

RELINQUISHED BY SAMPLER: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature:	Signature:	Signature:
Printed Name: Jorge Robles	Printed Name:	Printed Name: C. Phillips
Date: 4/17/20 Time: 1432	Date: Time:	Date: 4/17/20 Time: 1610
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY LABORATORY: 3.**
Signature:	Signature:	Signature:
Printed Name: CRAWFORD PHILLIPS	Printed Name:	Printed Name:
Date: 4/17/20 Time: 1432	Date: Time:	Date: 04/17/20 Time: 1610

TURN AROUND TIME

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

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CHAIN OF CUSTODY RECORD

AETL JOB No. 104488 120164

Page 3 of 4

COMPANY: NV5
PROJECT MANAGER: Jonathan Berkman
COMPANY ADDRESS: 3777 Long Beach Blvd
PHONE / EMAIL: Jonathan.Berkman@NV5.com
PROJECT NAME: Malibu PCB
PROJECT #: SMSD-19-8987
SITE NAME AND ADDRESS: Malibu HS
PO #:

	SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	ANALYSIS REQUESTED: EPA 8082	ANALYSIS REQUESTED: Soxhlet Extraction	TEST INSTRUCTIONS & COMMENTS
1	J-18	104488.31	4/17/20	1145	BULK	1	ICE	X	X	6"
2	J-19	104488.32	4/17/20	1150	BULK	1	ICE	X	X	3"
3	J-20	104488.33	4/17/20	1200	BULK	1	ICE	X	X	1"
4	J-21	104488.34	4/17/20	1210	BULK	1	ICE	X	X	12"
5	J-22	104488.35	4/17/20	1216	BULK	1	ICE	X	X	6"
6	J-23	104488.36	4/17/20	1222	BULK	1	ICE	X	X	3"
7	J-24	104488.37	4/17/20	1227	BULK	1	ICE	X	X	1"
8	H-01	104488.38	4/17/20	1245	BULK	1	ICE	X	X	12"
9	H-02	104488.39	4/17/20	1250	BULK	1	ICE	X	X	6"
10	H-03	104488.40	4/17/20	1254	BULK	1	ICE	X	X	3"
11	H-04	104488.41	4/17/20	1300	BULK	1	ICE	X	X	1"
12	H-05	104488.42	4/17/20	1310	BULK	1	ICE	X	X	12"
13	H-06	104488.43	4/17/20	1315	BULK	1	ICE	X	X	6"
14	H-07	104488.44	4/17/20	1320	BULK	1	ICE	X	X	3"
15	H-08	104488.45	4/17/20	1325	BULK	1	ICE	X	X	1"

TOTAL NUMBER OF CONTAINERS: 15

BILLING INFORMATION / SPECIAL INSTRUCTIONS

RELINQUISHED BY SAMPLER: 1.
Signature:
Printed Name: Jorge Rosales
Date: 4/17/20 Time: 1432

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

RELINQUISHED BY: 3.
Signature:
Printed Name: C. Mathis
Date: 4/17/20 Time: 1610

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) _____

RECEIVED BY: 1.
Signature:
Printed Name: Jonathan Rosales
Date: 4/17/20 Time: 1432

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

RECEIVED BY LABORATORY: AETL 3.
Signature:
Printed Name:
Date: 04/17/20 Time: 1610

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

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CHAIN OF CUSTODY RECORD

AETL JOB No. 104488 120165

Page 4 of 4

COMPANY	NVS
COMPANY ADDRESS	3777 Long Beach Blvd
PROJECT NAME	Malibu HS PCB
SITE NAME AND ADDRESS	Malibu HS
PROJECT MANAGER	Jonathan Barkman
PHONE	
EMAIL	Jonathan.Barkman@NVS.com
PROJECT #	SMSO-19-8997
PO #	

	SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	EPA 8082	Soxhlet Extraction									TEST INSTRUCTIONS & COMMENTS
1	H-09	104488.46	4/17/20	1328	BULK	1	ICE	X	X									12"
2	H-10	104488.47	4/17/20	1332	BULK	1	ICE	X	X									6"
3	H-11	104488.48	4/17/20	1335	BULK	1	ICE	X	X									3"
4	H-12	104488.49	4/17/20	1340	BULK	1	ICE	X	X									1"
5	H-13	104488.50	4/17/20	1345	BULK	1	ICE	X	X									12"
6	H-14	104488.51	4/17/20	1348	BULK	1	ICE	X	X									6"
7	H-15	104488.52	4/17/20	1350	BULK	1	ICE	X	X									3"
8	H-15D	104488.53	4/17/20	1355	BULK	1	ICE	X	X									3" Duplicate
9	H-16	104488.54	4/17/20	1400	BULK	1	ICE	X	X									1"
10	J-30	104488.55	4/17/20	1405	BULK	1	ICE	X	X									Archive
11																		
12																		
13																		
14																		
15																		

TOTAL NUMBER OF CONTAINERS: 10

BILLING INFORMATION / SPECIAL INSTRUCTIONS

RELINQUISHED BY SAMPLER: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature:	Signature:	Signature:
Printed Name: Jorge Rosales	Printed Name:	Printed Name:
Date: 4/17/20 Time: 1432	Date: Time:	Date: 4/17/20 Time: 1610
RECEIVED BY: 1.	**RECEIVED BY:** 2.	**RECEIVED BY LABORATORY:** 3.
Signature:	Signature:	Signature:
Printed Name: CARLOS PACHECO	Printed Name:	Printed Name: ANT
Date: 4/17/20 Time: 1432	Date: Time:	Date: 04/17/20 Time: 1610

TURN AROUND TIME

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

DATA DELIVERABLE REQUIRED

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

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

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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: 04988

Date Received: 4/1/20 Received by: Ant

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

☐ Others:

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

Inside temperature of shipping container No 1: 3.4°C, No 2: , No 3:

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

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?		✓	
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/S		
11. Are the jars free of headspace?	1		

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

Explain all "No" answers for above questions:

_____

_____

_____

_____

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Attention: Jonathan Barkman

Project ID: SMSD-19-8997
Date Received 04/17/2020
Date Reported 04/28/2020

Job Number	Order Date	Client
104488	04/17/2020	NV5

CERTIFICATE OF ANALYSIS
CASE NARRATIVE

AETL received 55 samples with the following specification on 04/17/2020.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
104488.01	D-40	04/16/2020	Solid	1

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

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Malibu HS

Page: **2**

Project ID: SMSD-19-8997
Project Name: Malibu HS PCB

AETL Job Number	Submitted	Client
104488	04/17/2020	NV5

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

QC Batch No: 042420ZB2

Our Lab I.D.			Method Blank				
Client Sample I.D.							
Date Sampled							
Date Prepared			04/24/2020				
Preparation Method			3540C				
Date Analyzed			04/26/2020				
Matrix			Solid				
Units			ug/Kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
Aroclor-1016 (PCB-1016)	20.0	50.0	ND				
Aroclor-1221 (PCB-1221)	20.0	50.0	ND				
Aroclor-1232 (PCB-1232)	20.0	50.0	ND				
Aroclor-1242 (PCB-1242)	20.0	50.0	ND				
Aroclor-1248 (PCB-1248)	20.0	50.0	ND				
Aroclor-1254 (PCB-1254)	20.0	50.0	ND				
Aroclor-1260 (PCB-1260)	20.0	50.0	ND				
Aroclor-1262 (PCB-1262)	20.0	50.0	ND				
Aroclor-1268 (PCB-1268)	20.0	50.0	ND				
Our Lab I.D.			Method Blank				
Surrogates	**%Rec.Limit**		**% Rec.**				
Decachlorobiphenyl	30-150		41.2				
Tetrachloro-m-xylene	30-150		93.4				

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Malibu HS

Page: **3**

Project ID: SMSD-19-8997
Project Name: Malibu HS PCB

AETL Job Number	Submitted	Client
104488	04/17/2020	NV5

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

QC Batch No: 042420ZB2

Our Lab I.D.			104488.01	104488.02	104488.03	104488.04	104488.05
Client Sample I.D.			D-40	D-41	D-42	D-43	D-44
Date Sampled			04/16/2020	04/16/2020	04/16/2020	04/16/2020	04/17/2020
Date Prepared			04/24/2020	04/24/2020	04/24/2020	04/24/2020	04/24/2020
Preparation Method			3540C	3540C	3540C	3540C	3540C
Date Analyzed			04/26/2020	04/26/2020	04/26/2020	04/26/2020	04/26/2020
Matrix			Solid	Solid	Solid	Solid	Solid
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			20	20	20	20	20
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Aroclor-1016 (PCB-1016)	400	1000	ND	ND	ND	ND	ND
Aroclor-1221 (PCB-1221)	400	1000	ND	ND	ND	ND	ND
Aroclor-1232 (PCB-1232)	400	1000	ND	ND	ND	ND	ND
Aroclor-1242 (PCB-1242)	400	1000	ND	ND	ND	ND	ND
Aroclor-1248 (PCB-1248)	400	1000	ND	ND	ND	ND	ND
Aroclor-1254 (PCB-1254)	400	1000	ND	ND	ND	ND	ND
Aroclor-1260 (PCB-1260)	400	1000	ND	ND	ND	ND	ND
Aroclor-1262 (PCB-1262)	400	1000	ND	ND	ND	ND	ND
Aroclor-1268 (PCB-1268)	400	1000	ND	ND	ND	ND	ND

Comment(s):
104488.01:Analyzed under dilution due to matrix interference 104488.02:Analyzed under dilution due to matrix interference
104488.03:Analyzed under dilution due to matrix interference 104488.04:Analyzed under dilution due to matrix interference
104488.05:Analyzed under dilution due to matrix interference

Our Lab I.D.			104488.01	104488.02	104488.03	104488.04	104488.05
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Decachlorobiphenyl	30-150		33.4	30.2	31.4	31.0	30.2
Tetrachloro-m-xylene	30-150		85.6	82.0	114	100	85.0

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Malibu HS

Page: **4**

Project ID: SMSD-19-8997
Project Name: Malibu HS PCB

AETL Job Number	Submitted	Client
104488	04/17/2020	NV5

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

QC Batch No: 042420ZB2

Our Lab I.D.			104488.06	104488.07	104488.08	104488.09	104488.10
Client Sample I.D.			D-45	D-46	D-47	D-48	D-49
Date Sampled			04/17/2020	04/17/2020	04/17/2020	04/17/2020	04/17/2020
Date Prepared			04/24/2020	04/24/2020	04/24/2020	04/24/2020	04/24/2020
Preparation Method			3540C	3540C	3540C	3540C	3540C
Date Analyzed			04/26/2020	04/26/2020	04/26/2020	04/26/2020	04/26/2020
Matrix			Solid	Solid	Solid	Solid	Solid
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			20	20	20	20	20
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Aroclor-1016 (PCB-1016)	400	1000	ND	ND	ND	ND	ND
Aroclor-1221 (PCB-1221)	400	1000	ND	ND	ND	ND	ND
Aroclor-1232 (PCB-1232)	400	1000	ND	ND	ND	ND	ND
Aroclor-1242 (PCB-1242)	400	1000	ND	ND	ND	ND	ND
Aroclor-1248 (PCB-1248)	400	1000	ND	ND	ND	ND	ND
Aroclor-1254 (PCB-1254)	400	1000	ND	ND	ND	ND	ND
Aroclor-1260 (PCB-1260)	400	1000	ND	ND	ND	ND	ND
Aroclor-1262 (PCB-1262)	400	1000	ND	ND	ND	ND	ND
Aroclor-1268 (PCB-1268)	400	1000	ND	ND	ND	ND	ND

Comment(s):
104488.06:Analyzed under dilution due to matrix interference 104488.07:Analyzed under dilution due to matrix interference
104488.08:Analyzed under dilution due to matrix interference 104488.09:Analyzed under dilution due to matrix interference
104488.10:Analyzed under dilution due to matrix interference

Our Lab I.D.			104488.06	104488.07	104488.08	104488.09	104488.10
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Decachlorobiphenyl	30-150		69.0	30.0	31.0	71.4	35.0
Tetrachloro-m-xylene	30-150		101	89.0	94.6	117	106

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Malibu HS

Page: **5**

Project ID: SMSD-19-8997
Project Name: Malibu HS PCB

AETL Job Number	Submitted	Client
104488	04/17/2020	NV5

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

QC Batch No: 042420ZB2

Our Lab I.D.			104488.11	104488.12	104488.13	104488.14	104488.15
Client Sample I.D.			D-50	D-51	J-01	J-02	J-03
Date Sampled			04/17/2020	04/17/2020	04/17/2020	04/17/2020	04/17/2020
Date Prepared			04/24/2020	04/24/2020	04/24/2020	04/24/2020	04/24/2020
Preparation Method			3540C	3540C	3540C	3540C	3540C
Date Analyzed			04/26/2020	04/26/2020	04/26/2020	04/26/2020	04/26/2020
Matrix			Solid	Solid	Solid	Solid	Solid
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			20	20	20	20	20
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Aroclor-1016 (PCB-1016)	400	1000	ND	ND	ND	ND	ND
Aroclor-1221 (PCB-1221)	400	1000	ND	ND	ND	ND	ND
Aroclor-1232 (PCB-1232)	400	1000	ND	ND	ND	ND	ND
Aroclor-1242 (PCB-1242)	400	1000	ND	ND	ND	ND	ND
Aroclor-1248 (PCB-1248)	400	1000	ND	ND	ND	ND	ND
Aroclor-1254 (PCB-1254)	400	1000	ND	ND	ND	ND	ND
Aroclor-1260 (PCB-1260)	400	1000	ND	ND	ND	ND	ND
Aroclor-1262 (PCB-1262)	400	1000	ND	ND	ND	ND	ND
Aroclor-1268 (PCB-1268)	400	1000	ND	ND	ND	ND	ND

Comment(s):
104488.11:Analyzed under dilution due to matrix interference 104488.12:Analyzed under dilution due to matrix interference
104488.13:Analyzed under dilution due to matrix interference 104488.14:Analyzed under dilution due to matrix interference
104488.15:Analyzed under dilution due to matrix interference

Our Lab I.D.			104488.11	104488.12	104488.13	104488.14	104488.15
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Decachlorobiphenyl	30-150		35.0	36.2	42.4	40.8	42.6
Tetrachloro-m-xylene	30-150		108	111	122	122	124

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Malibu HS

Page: 6

Project ID: SMSD-19-8997
Project Name: Malibu HS PCB

AETL Job Number	Submitted	Client
104488	04/17/2020	NV5

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

QC Batch No: 042420ZB2

Our Lab I.D.			104488.16				
Client Sample I.D.			J-04				
Date Sampled			04/17/2020				
Date Prepared			04/24/2020				
Preparation Method			3540C				
Date Analyzed			04/26/2020				
Matrix			Solid				
Units			ug/Kg				
Dilution Factor			20				
Analytes	**MDL**	**PQL**	**Results**				
Aroclor-1016 (PCB-1016)	400	1000	ND				
Aroclor-1221 (PCB-1221)	400	1000	ND				
Aroclor-1232 (PCB-1232)	400	1000	ND				
Aroclor-1242 (PCB-1242)	400	1000	ND				
Aroclor-1248 (PCB-1248)	400	1000	ND				
Aroclor-1254 (PCB-1254)	400	1000	ND				
Aroclor-1260 (PCB-1260)	400	1000	ND				
Aroclor-1262 (PCB-1262)	400	1000	ND				
Aroclor-1268 (PCB-1268)	400	1000	ND				

Comment(s):
104488.16:Analyzed under dilution due to matrix interference

Our Lab I.D.			104488.16				
Surrogates	**%Rec.Limit**		**% Rec.**				
Decachlorobiphenyl	30-150		37.0				
Tetrachloro-m-xylene	30-150		112				

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Malibu HS

Page: **7**

Project ID: SMSD-19-8997
Project Name: Malibu HS PCB

AETL Job Number	Submitted	Client
104488	04/17/2020	NV5

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

QC Batch No: 042520

Our Lab I.D.			Method Blank				
Client Sample I.D.							
Date Sampled							
Date Prepared			04/25/2020				
Preparation Method			3540C				
Date Analyzed			04/27/2020				
Matrix			Solid				
Units			ug/Kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
Aroclor-1016 (PCB-1016)	20.0	50.0	ND				
Aroclor-1221 (PCB-1221)	20.0	50.0	ND				
Aroclor-1232 (PCB-1232)	20.0	50.0	ND				
Aroclor-1242 (PCB-1242)	20.0	50.0	ND				
Aroclor-1248 (PCB-1248)	20.0	50.0	ND				
Aroclor-1254 (PCB-1254)	20.0	50.0	ND				
Aroclor-1260 (PCB-1260)	20.0	50.0	ND				
Aroclor-1262 (PCB-1262)	20.0	50.0	ND				
Aroclor-1268 (PCB-1268)	20.0	50.0	ND				
Our Lab I.D.			Method Blank				
Surrogates	**%Rec.Limit**		**% Rec.**				
Decachlorobiphenyl	30-150		92.7				
Tetrachloro-m-xylene	30-150		103				

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Malibu HS

Page: **8**

Project ID: SMSD-19-8997
Project Name: Malibu HS PCB

AETL Job Number	Submitted	Client
104488	04/17/2020	NV5

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

QC Batch No: 042520

Our Lab I.D.			104488.17	104488.18	104488.19	104488.20	104488.21
Client Sample I.D.			J-05	J-06	J-07	J-08	J-09
Date Sampled			04/17/2020	04/17/2020	04/17/2020	04/17/2020	04/17/2020
Date Prepared			04/25/2020	04/25/2020	04/25/2020	04/25/2020	04/25/2020
Preparation Method			3540C	3540C	3540C	3540C	3540C
Date Analyzed			04/27/2020	04/27/2020	04/27/2020	04/27/2020	04/27/2020
Matrix			Solid	Solid	Solid	Solid	Solid
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			20	20	20	20	20
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Aroclor-1016 (PCB-1016)	400	1000	ND	ND	ND	ND	ND
Aroclor-1221 (PCB-1221)	400	1000	ND	ND	ND	ND	ND
Aroclor-1232 (PCB-1232)	400	1000	ND	ND	ND	ND	ND
Aroclor-1242 (PCB-1242)	400	1000	ND	ND	ND	ND	ND
Aroclor-1248 (PCB-1248)	400	1000	ND	ND	ND	ND	ND
Aroclor-1254 (PCB-1254)	400	1000	ND	ND	ND	ND	ND
Aroclor-1260 (PCB-1260)	400	1000	ND	ND	ND	ND	ND
Aroclor-1262 (PCB-1262)	400	1000	ND	ND	ND	ND	ND
Aroclor-1268 (PCB-1268)	400	1000	ND	ND	ND	ND	ND

Comment(s):
104488.17:Analyzed under dilution due to matrix interference 104488.18:Analyzed under dilution due to matrix interference
104488.19:Analyzed under dilution due to matrix interference 104488.20:Analyzed under dilution due to matrix interference
104488.21:Analyzed under dilution due to matrix interference

Our Lab I.D.			104488.17	104488.18	104488.19	104488.20	104488.21
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Decachlorobiphenyl	30-150		74.9	90.4	102	84.9	80.3
Tetrachloro-m-xylene	30-150		86.6	101	110	86.2	78.6

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Malibu HS

Page: **9**

Project ID: SMSD-19-8997
Project Name: Malibu HS PCB

AETL Job Number	Submitted	Client
104488	04/17/2020	NV5

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

QC Batch No: 042520

Our Lab I.D.			104488.22	104488.23	104488.24	104488.25	104488.26
Client Sample I.D.			J-10	J-11	J-12	J-13	J-14
Date Sampled			04/17/2020	04/17/2020	04/17/2020	04/17/2020	04/17/2020
Date Prepared			04/25/2020	04/25/2020	04/25/2020	04/25/2020	04/25/2020
Preparation Method			3540C	3540C	3540C	3540C	3540C
Date Analyzed			04/27/2020	04/27/2020	04/27/2020	04/27/2020	04/27/2020
Matrix			Solid	Solid	Solid	Solid	Solid
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			20	20	20	20	20
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Aroclor-1016 (PCB-1016)	400	1000	ND	ND	ND	ND	ND
Aroclor-1221 (PCB-1221)	400	1000	ND	ND	ND	ND	ND
Aroclor-1232 (PCB-1232)	400	1000	ND	ND	ND	ND	ND
Aroclor-1242 (PCB-1242)	400	1000	ND	ND	ND	ND	ND
Aroclor-1248 (PCB-1248)	400	1000	ND	ND	ND	ND	ND
Aroclor-1254 (PCB-1254)	400	1000	ND	ND	ND	ND	ND
Aroclor-1260 (PCB-1260)	400	1000	ND	ND	ND	ND	ND
Aroclor-1262 (PCB-1262)	400	1000	ND	ND	ND	ND	ND
Aroclor-1268 (PCB-1268)	400	1000	ND	ND	ND	ND	ND

Comment(s):
104488.22:Analyzed under dilution due to matrix interference 104488.23:Analyzed under dilution due to matrix interference
104488.24:Analyzed under dilution due to matrix interference 104488.25:Analyzed under dilution due to matrix interference
104488.26:Analyzed under dilution due to matrix interference

Our Lab I.D.			104488.22	104488.23	104488.24	104488.25	104488.26
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Decachlorobiphenyl	30-150		82.2	72.4	79.5	72.4	71.4
Tetrachloro-m-xylene	30-150		109	66.0	90.6	79.9	66.1

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Malibu HS

Page: **10**

Project ID: SMSD-19-8997
Project Name: Malibu HS PCB

AETL Job Number	Submitted	Client
104488	04/17/2020	NV5

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

QC Batch No: 042520

Our Lab I.D.			104488.27	104488.28			
Client Sample I.D.			J-15	J-15D			
Date Sampled			04/17/2020	04/17/2020			
Date Prepared			04/25/2020	04/25/2020			
Preparation Method			3540C	3540C			
Date Analyzed			04/27/2020	04/27/2020			
Matrix			Solid	Solid			
Units			ug/Kg	ug/Kg			
Dilution Factor			20	20			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Aroclor-1016 (PCB-1016)	400	1000	ND	ND			
Aroclor-1221 (PCB-1221)	400	1000	ND	ND			
Aroclor-1232 (PCB-1232)	400	1000	ND	ND			
Aroclor-1242 (PCB-1242)	400	1000	ND	ND			
Aroclor-1248 (PCB-1248)	400	1000	ND	ND			
Aroclor-1254 (PCB-1254)	400	1000	ND	ND			
Aroclor-1260 (PCB-1260)	400	1000	ND	ND			
Aroclor-1262 (PCB-1262)	400	1000	ND	ND			
Aroclor-1268 (PCB-1268)	400	1000	ND	ND			

Comment(s):
104488.27:Analyzed under dilution due to matrix interference 104488.28:Analyzed under dilution due to matrix interference

Our Lab I.D.			104488.27	104488.28			
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**			
Decachlorobiphenyl	30-150		79.4	84.7			
Tetrachloro-m-xylene	30-150		61.0	67.6			

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Page: **11**

Site

Malibu HS

Project ID: SMSD-19-8997
Project Name: Malibu HS PCB

AETL Job Number	Submitted	Client
104488	04/17/2020	NV5

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

QC Batch No: 042520

Our Lab I.D.			**104488.29**				
Client Sample I.D.			J-16				
Date Sampled			04/17/2020				
Date Prepared			04/25/2020				
Preparation Method			3540C				
Date Analyzed			04/27/2020				
Matrix			Solid				
Units			ug/Kg				
Dilution Factor			25				
Analytes	**MDL**	**PQL**	**Results**				
Aroclor-1016 (PCB-1016)	500	1250	ND				
Aroclor-1221 (PCB-1221)	500	1250	ND				
Aroclor-1232 (PCB-1232)	500	1250	ND				
Aroclor-1242 (PCB-1242)	500	1250	ND				
Aroclor-1248 (PCB-1248)	500	1250	ND				
Aroclor-1254 (PCB-1254)	500	1250	ND				
Aroclor-1260 (PCB-1260)	500	1250	ND				
Aroclor-1262 (PCB-1262)	500	1250	ND				
Aroclor-1268 (PCB-1268)	500	1250	ND				

Comment(s):
104488.29:Analyzed under dilution due to matrix interference

Our Lab I.D.			**104488.29**				
Surrogates	**%Rec.Limit**		**% Rec.**				
Decachlorobiphenyl	30-150		69.2				
Tetrachloro-m-xylene	30-150		56.5				

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Malibu HS

Page: **12**

Project ID: SMSD-19-8997
Project Name: Malibu HS PCB

AETL Job Number	Submitted	Client
104488	04/17/2020	NV5

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

QC Batch No: 042520

Our Lab I.D.			104488.30	104488.31	104488.32	104488.33	104488.34
Client Sample I.D.			J-17	J-18	J-19	J-20	J-21
Date Sampled			04/17/2020	04/17/2020	04/17/2020	04/17/2020	04/17/2020
Date Prepared			04/25/2020	04/25/2020	04/25/2020	04/25/2020	04/25/2020
Preparation Method			3540C	3540C	3540C	3540C	3540C
Date Analyzed			04/27/2020	04/27/2020	04/27/2020	04/27/2020	04/27/2020
Matrix			Solid	Solid	Solid	Solid	Solid
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			20	20	20	20	20
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Aroclor-1016 (PCB-1016)	400	1000	ND	ND	ND	ND	ND
Aroclor-1221 (PCB-1221)	400	1000	ND	ND	ND	ND	ND
Aroclor-1232 (PCB-1232)	400	1000	ND	ND	ND	ND	ND
Aroclor-1242 (PCB-1242)	400	1000	ND	ND	ND	ND	ND
Aroclor-1248 (PCB-1248)	400	1000	ND	ND	ND	ND	ND
Aroclor-1254 (PCB-1254)	400	1000	ND	ND	ND	ND	ND
Aroclor-1260 (PCB-1260)	400	1000	ND	ND	ND	ND	ND
Aroclor-1262 (PCB-1262)	400	1000	ND	ND	ND	ND	ND
Aroclor-1268 (PCB-1268)	400	1000	ND	ND	ND	ND	ND

Comment(s):
104488.30:Analyzed under dilution due to matrix interference 104488.31:Analyzed under dilution due to matrix interference
104488.32:Analyzed under dilution due to matrix interference 104488.33:Analyzed under dilution due to matrix interference
104488.34:Analyzed under dilution due to matrix interference

Our Lab I.D.			104488.30	104488.31	104488.32	104488.33	104488.34
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Decachlorobiphenyl	30-150		67.5	76.3	94.6	75.3	101
Tetrachloro-m-xylene	30-150		81.0	81.4	88.1	75.5	82.9

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Site

Malibu HS

Project ID: SMSD-19-8997
Project Name: Malibu HS PCB

AETL Job Number	Submitted	Client
104488	04/17/2020	NV5

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

QC Batch No: 042520

Our Lab I.D.			104488.35	104488.36			
Client Sample I.D.			J-22	J-23			
Date Sampled			04/17/2020	04/17/2020			
Date Prepared			04/25/2020	04/25/2020			
Preparation Method			3540C	3540C			
Date Analyzed			04/27/2020	04/27/2020			
Matrix			Solid	Solid			
Units			ug/Kg	ug/Kg			
Dilution Factor			20	20			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Aroclor-1016 (PCB-1016)	400	1000	ND	ND			
Aroclor-1221 (PCB-1221)	400	1000	ND	ND			
Aroclor-1232 (PCB-1232)	400	1000	ND	ND			
Aroclor-1242 (PCB-1242)	400	1000	ND	ND			
Aroclor-1248 (PCB-1248)	400	1000	ND	ND			
Aroclor-1254 (PCB-1254)	400	1000	ND	ND			
Aroclor-1260 (PCB-1260)	400	1000	ND	ND			
Aroclor-1262 (PCB-1262)	400	1000	ND	ND			
Aroclor-1268 (PCB-1268)	400	1000	ND	ND			

Comment(s):
104488.35:Analyzed under dilution due to matrix interference 104488.36:Analyzed under dilution due to matrix interference

Our Lab I.D.			104488.35	104488.36			
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**			
Decachlorobiphenyl	30-150		85.2	90.5			
Tetrachloro-m-xylene	30-150		85.4	84.8			

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Malibu HS

Project ID: SMSD-19-8997
Project Name: Malibu HS PCB

AETL Job Number	Submitted	Client
104488	04/17/2020	NV5

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

QC Batch No: 042620

Our Lab I.D.			Method Blank				
Client Sample I.D.							
Date Sampled							
Date Prepared			04/26/2020				
Preparation Method			3540C				
Date Analyzed			04/28/2020				
Matrix			Solid				
Units			ug/Kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
Aroclor-1016 (PCB-1016)	20.0	50.0	ND				
Aroclor-1221 (PCB-1221)	20.0	50.0	ND				
Aroclor-1232 (PCB-1232)	20.0	50.0	ND				
Aroclor-1242 (PCB-1242)	20.0	50.0	ND				
Aroclor-1248 (PCB-1248)	20.0	50.0	ND				
Aroclor-1254 (PCB-1254)	20.0	50.0	ND				
Aroclor-1260 (PCB-1260)	20.0	50.0	ND				
Aroclor-1262 (PCB-1262)	20.0	50.0	ND				
Aroclor-1268 (PCB-1268)	20.0	50.0	ND				
Our Lab I.D.			Method Blank				
Surrogates	**%Rec.Limit**		**% Rec.**				
Decachlorobiphenyl	30-150		119				
Tetrachloro-m-xylene	30-150		97.6				

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Malibu HS

Page: **15**

Project ID: SMSD-19-8997
Project Name: Malibu HS PCB

AETL Job Number	Submitted	Client
104488	04/17/2020	NV5

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

QC Batch No: 042620

Our Lab I.D.			104488.37	104488.38	104488.39	104488.40	104488.41
Client Sample I.D.			J-24	H-01	H-02	H-03	H-04
Date Sampled			04/17/2020	04/17/2020	04/17/2020	04/17/2020	04/17/2020
Date Prepared			04/26/2020	04/26/2020	04/26/2020	04/26/2020	04/26/2020
Preparation Method			3540C	3540C	3540C	3540C	3540C
Date Analyzed			04/28/2020	04/28/2020	04/28/2020	04/28/2020	04/28/2020
Matrix			Solid	Solid	Solid	Solid	Solid
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			20	20	20	20	20
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Aroclor-1016 (PCB-1016)	400	1000	ND	ND	ND	ND	ND
Aroclor-1221 (PCB-1221)	400	1000	ND	ND	ND	ND	ND
Aroclor-1232 (PCB-1232)	400	1000	ND	ND	ND	ND	ND
Aroclor-1242 (PCB-1242)	400	1000	ND	ND	ND	ND	ND
Aroclor-1248 (PCB-1248)	400	1000	ND	ND	ND	ND	ND
Aroclor-1254 (PCB-1254)	400	1000	ND	ND	ND	ND	ND
Aroclor-1260 (PCB-1260)	400	1000	ND	ND	ND	ND	ND
Aroclor-1262 (PCB-1262)	400	1000	ND	ND	ND	ND	ND
Aroclor-1268 (PCB-1268)	400	1000	ND	ND	ND	ND	ND

Comment(s):
104488.37:Analyzed under dilution due to matrix interference 104488.38:Analyzed under dilution due to matrix interference
104488.39:Analyzed under dilution due to matrix interference 104488.40:Analyzed under dilution due to matrix interference
104488.41:Analyzed under dilution due to matrix interference

Our Lab I.D.			104488.37	104488.38	104488.39	104488.40	104488.41
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Decachlorobiphenyl	30-150		83.0	77.1	112	88.4	75.8
Tetrachloro-m-xylene	30-150		95.2	92.3	95.5	88.7	77.8

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Malibu HS

Project ID: SMSD-19-8997
Project Name: Malibu HS PCB

AETL Job Number	Submitted	Client
104488	04/17/2020	NV5

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

QC Batch No: 042620

Our Lab I.D.			**104488.42**				
Client Sample I.D.			H-05				
Date Sampled			04/17/2020				
Date Prepared			04/26/2020				
Preparation Method			3540C				
Date Analyzed			04/28/2020				
Matrix			Solid				
Units			ug/Kg				
Dilution Factor			20				
Analytes	**MDL**	**PQL**	**Results**				
Aroclor-1016 (PCB-1016)	400	1000	ND				
Aroclor-1221 (PCB-1221)	400	1000	ND				
Aroclor-1232 (PCB-1232)	400	1000	ND				
Aroclor-1242 (PCB-1242)	400	1000	ND				
Aroclor-1248 (PCB-1248)	400	1000	ND				
Aroclor-1254 (PCB-1254)	400	1000	ND				
Aroclor-1260 (PCB-1260)	400	1000	ND				
Aroclor-1262 (PCB-1262)	400	1000	ND				
Aroclor-1268 (PCB-1268)	400	1000	ND				

Comment(s):
104488.42:Analyzed under dilution due to matrix interference

Our Lab I.D.			**104488.42**				
Surrogates	**%Rec.Limit**		**% Rec.**				
Decachlorobiphenyl	30-150		85.0				
Tetrachloro-m-xylene	30-150		86.1				

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Page: **17**

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Malibu HS

Project ID: SMSD-19-8997
Project Name: Malibu HS PCB

AETL Job Number	Submitted	Client
104488	04/17/2020	NV5

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

QC Batch No: 042620

Our Lab I.D.			**104488.43**				
Client Sample I.D.			H-06				
Date Sampled			04/17/2020				
Date Prepared			04/26/2020				
Preparation Method			3540C				
Date Analyzed			04/28/2020				
Matrix			Solid				
Units			ug/Kg				
Dilution Factor			50				
Analytes	**MDL**	**PQL**	**Results**				
Aroclor-1016 (PCB-1016)	1000	2500	ND				
Aroclor-1221 (PCB-1221)	1000	2500	ND				
Aroclor-1232 (PCB-1232)	1000	2500	ND				
Aroclor-1242 (PCB-1242)	1000	2500	ND				
Aroclor-1248 (PCB-1248)	1000	2500	ND				
Aroclor-1254 (PCB-1254)	1000	2500	ND				
Aroclor-1260 (PCB-1260)	1000	2500	ND				
Aroclor-1262 (PCB-1262)	1000	2500	ND				
Aroclor-1268 (PCB-1268)	1000	2500	ND				

Comment(s):
104488.43:Analyzed under dilution due to matrix interference

Our Lab I.D.			**104488.43**				
Surrogates	**%Rec.Limit**		**% Rec.**				
Decachlorobiphenyl	30-150		104				
Tetrachloro-m-xylene	30-150		96.6				

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Malibu HS

Page: **18**

Project ID: SMSD-19-8997
Project Name: Malibu HS PCB

AETL Job Number	Submitted	Client
104488	04/17/2020	NV5

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

QC Batch No: 042620

Our Lab I.D.			104488.44	104488.45	104488.46	104488.47	104488.48
Client Sample I.D.			H-07	H-08	H-09	H-10	H-11
Date Sampled			04/17/2020	04/17/2020	04/17/2020	04/17/2020	04/17/2020
Date Prepared			04/26/2020	04/26/2020	04/26/2020	04/26/2020	04/26/2020
Preparation Method			3540C	3540C	3540C	3540C	3540C
Date Analyzed			04/28/2020	04/28/2020	04/28/2020	04/28/2020	04/28/2020
Matrix			Solid	Solid	Solid	Solid	Solid
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			20	20	20	20	20
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Aroclor-1016 (PCB-1016)	400	1000	ND	ND	ND	ND	ND
Aroclor-1221 (PCB-1221)	400	1000	ND	ND	ND	ND	ND
Aroclor-1232 (PCB-1232)	400	1000	ND	ND	ND	ND	ND
Aroclor-1242 (PCB-1242)	400	1000	ND	ND	ND	ND	ND
Aroclor-1248 (PCB-1248)	400	1000	ND	ND	ND	ND	ND
Aroclor-1254 (PCB-1254)	400	1000	ND	ND	ND	ND	ND
Aroclor-1260 (PCB-1260)	400	1000	ND	ND	ND	ND	ND
Aroclor-1262 (PCB-1262)	400	1000	ND	ND	ND	ND	ND
Aroclor-1268 (PCB-1268)	400	1000	ND	ND	ND	ND	ND

Comment(s):
104488.44:Analyzed under dilution due to matrix interference 104488.45:Analyzed under dilution due to matrix interference
104488.46:Analyzed under dilution due to matrix interference 104488.47:Analyzed under dilution due to matrix interference
104488.48:Analyzed under dilution due to matrix interference

Our Lab I.D.			104488.44	104488.45	104488.46	104488.47	104488.48
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Decachlorobiphenyl	30-150		93.6	96.6	78.9	95.0	83.7
Tetrachloro-m-xylene	30-150		87.9	92.2	81.9	102	80.9

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Malibu HS

Page: **19**

Project ID: SMSD-19-8997
Project Name: Malibu HS PCB

AETL Job Number	Submitted	Client
104488	04/17/2020	NV5

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

QC Batch No: 042620

Our Lab I.D.			104488.49	104488.50	104488.51	104488.52	104488.53
Client Sample I.D.			H-12	H-13	H-14	H-15	H-15D
Date Sampled			04/17/2020	04/17/2020	04/17/2020	04/17/2020	04/17/2020
Date Prepared			04/26/2020	04/26/2020	04/26/2020	04/26/2020	04/26/2020
Preparation Method			3540C	3540C	3540C	3540C	3540C
Date Analyzed			04/28/2020	04/28/2020	04/28/2020	04/28/2020	04/28/2020
Matrix			Solid	Solid	Solid	Solid	Solid
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			20	20	20	20	20
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Aroclor-1016 (PCB-1016)	400	1000	ND	ND	ND	ND	ND
Aroclor-1221 (PCB-1221)	400	1000	ND	ND	ND	ND	ND
Aroclor-1232 (PCB-1232)	400	1000	ND	ND	ND	ND	ND
Aroclor-1242 (PCB-1242)	400	1000	ND	ND	ND	ND	ND
Aroclor-1248 (PCB-1248)	400	1000	ND	ND	ND	ND	ND
Aroclor-1254 (PCB-1254)	400	1000	ND	ND	ND	ND	ND
Aroclor-1260 (PCB-1260)	400	1000	ND	ND	ND	ND	ND
Aroclor-1262 (PCB-1262)	400	1000	ND	ND	ND	ND	ND
Aroclor-1268 (PCB-1268)	400	1000	ND	ND	ND	ND	ND

Comment(s):
104488.49:Analyzed under dilution due to matrix interference 104488.50:Analyzed under dilution due to matrix interference
104488.51:Analyzed under dilution due to matrix interference 104488.52:Analyzed under dilution due to matrix interference
104488.53:Analyzed under dilution due to matrix interference

Our Lab I.D.			104488.49	104488.50	104488.51	104488.52	104488.53
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Decachlorobiphenyl	30-150		76.6	111	95.0	95.8	111
Tetrachloro-m-xylene	30-150		76.9	89.8	91.6	87.2	108

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Attn: Jonathan Barkman
Page: **20**

Site

Malibu HS

Project ID: SMSD-19-8997
Project Name: Malibu HS PCB

AETL Job Number	Submitted	Client
104488	04/17/2020	NV5

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

QC Batch No: 042620

Our Lab I.D.			**104488.54**				
Client Sample I.D.			H-16				
Date Sampled			04/17/2020				
Date Prepared			04/26/2020				
Preparation Method			3540C				
Date Analyzed			04/28/2020				
Matrix			Solid				
Units			ug/Kg				
Dilution Factor			20				
Analytes	**MDL**	**PQL**	**Results**				
Aroclor-1016 (PCB-1016)	400	1000	ND				
Aroclor-1221 (PCB-1221)	400	1000	ND				
Aroclor-1232 (PCB-1232)	400	1000	ND				
Aroclor-1242 (PCB-1242)	400	1000	ND				
Aroclor-1248 (PCB-1248)	400	1000	ND				
Aroclor-1254 (PCB-1254)	400	1000	ND				
Aroclor-1260 (PCB-1260)	400	1000	ND				
Aroclor-1262 (PCB-1262)	400	1000	ND				
Aroclor-1268 (PCB-1268)	400	1000	ND				

Comment(s):
104488.54:Analyzed under dilution due to matrix interference

Our Lab I.D.			**104488.54**				
Surrogates	**%Rec.Limit**		**% Rec.**				
Decachlorobiphenyl	30-150		81.8				
Tetrachloro-m-xylene	30-150		74.8				

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ANALYTICAL RESULTS

Ordered By

NV5
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Telephone: (562)495-5777
Attn: Jonathan Barkman
Page: **21**

Site

Malibu HS

Project ID: SMSD-19-8997
Project Name: Malibu HS PCB

AETL Job Number	Submitted	Client
104488	04/17/2020	NV5

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

QC Batch No: 042620

Our Lab I.D.			**104488.55**				
Client Sample I.D.			J-30				
Date Sampled			04/17/2020				
Date Prepared			04/26/2020				
Preparation Method			3540C				
Date Analyzed			04/28/2020				
Matrix			Solid				
Units			ug/Kg				
Dilution Factor			100000				
Analytes	**MDL**	**PQL**	**Results**				
Aroclor-1016 (PCB-1016)	2000000	5000000	ND				
Aroclor-1221 (PCB-1221)	2000000	5000000	ND				
Aroclor-1232 (PCB-1232)	2000000	5000000	ND				
Aroclor-1242 (PCB-1242)	2000000	5000000	ND				
Aroclor-1248 (PCB-1248)	2000000	5000000	ND				
Aroclor-1254 (PCB-1254)	2000000	5000000	126,000,000				
Aroclor-1260 (PCB-1260)	2000000	5000000	ND				
Aroclor-1262 (PCB-1262)	2000000	5000000	ND				
Aroclor-1268 (PCB-1268)	2000000	5000000	ND				
Our Lab I.D.			**104488.55**				
Surrogates	**%Rec.Limit**		**% Rec.**				
Decachlorobiphenyl	30-150		217 S6				
Tetrachloro-m-xylene	30-150		134				

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QUALITY CONTROL RESULTS

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Site

Malibu HS

Page: **22**

Project ID: SMSD-19-8997
Project Name: Malibu HS PCB

AETL Job Number	Submitted	Client
104488	04/17/2020	NV5

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

QC Batch No: 042420ZB2; Dup or Spiked Sample: 104488.01; LCS: Blank; QC Prepared: 04/24/2020; QC Analyzed: 04/26/2020; Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Aroclor-1016 (PCB-1016)	0.00	500	683	137	500	557	111	21.0	50-150	<40
Aroclor-1260 (PCB-1260)	0.00	500	583	117	500	418	83.6	33.3	50-150	<40
Surrogates										
Decachlorobiphenyl	0.00	50.0	37.9	75.8	50.0	39.5	79.0	4.22	30-150	<20
Tetrachloro-m-xylene	0.00	50.0	74.9	150	50.0	75.0	150	<1	30-150	<20

QC Batch No: 042420ZB2; Dup or Spiked Sample: 104488.01; LCS: Blank; QC Prepared: 04/24/2020; QC Analyzed: 04/26/2020; Units: ug/Kg

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	343	68.6	500	268	53.6	24.5	50-150	<40	
Aroclor-1260 (PCB-1260)	500	255	51.0	500	258	51.6	1.17	50-150	<40	
Surrogates										
Decachlorobiphenyl	50.0	16.7	33.4	50.0	17.6	35.2	5.39	30-150	<20	
Tetrachloro-m-xylene	50.0	49.5	99.0	50.0	33.4	66.8	32.5	30-150	<20	

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QUALITY CONTROL RESULTS

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Site

Malibu HS

Page: **23**

Project ID: SMSD-19-8997
Project Name: Malibu HS PCB

AETL Job Number	Submitted	Client
104488	04/17/2020	NV5

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

QC Batch No: 042520; Dup or Spiked Sample: 104488.21; LCS: Blank; QC Prepared: 04/25/2020; QC Analyzed: 04/27/2020; Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Aroclor-1016 (PCB-1016)	0.00	500	505	101	500	471	94.2	7.0	50-150	<40
Aroclor-1260 (PCB-1260)	0.00	500	411	82.2	500	388	77.6	5.8	50-150	<40
Surrogates										
Decachlorobiphenyl	0.00	50.0	45.5	91.0	50.0	43.7	87.4	4.0	30-150	<20
Tetrachloro-m-xylene	0.00	50.0	40.5	81.0	50.0	42.0	83.9	3.5	30-150	<20

QC Batch No: 042520; Dup or Spiked Sample: 104488.21; LCS: Blank; QC Prepared: 04/25/2020; QC Analyzed: 04/27/2020; Units: ug/Kg

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	417	83.4	500	425	85.0	1.9	50-150	<40	
Aroclor-1260 (PCB-1260)	500	412	82.4	500	351	70.2	16.0	50-150	<40	
Surrogates										
Decachlorobiphenyl	50.0	42.5	84.9	50.0	40.4	80.7	5.1	30-150	<20	
Tetrachloro-m-xylene	50.0	46.5	93.0	50.0	40.1	80.2	14.8	30-150	<20	

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QUALITY CONTROL RESULTS

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Site

Malibu HS

Page: **24**

Project ID: SMSD-19-8997
Project Name: Malibu HS PCB

AETL Job Number	Submitted	Client
104488	04/17/2020	NV5

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

QC Batch No: 042620; Dup or Spiked Sample: 104488.54; LCS: Blank; QC Prepared: 04/26/2020; QC Analyzed: 04/28/2020; Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Aroclor-1016 (PCB-1016)	0.00	500	640	128	500	580	116	9.8	50-150	<40
Aroclor-1260 (PCB-1260)	0.00	500	464	92.8	500	467	93.4	<1	50-150	<40
Surrogates										
Decachlorobiphenyl	0.00	50.0	50.5	101	50.0	46.1	92.1	9.2	30-150	<20
Tetrachloro-m-xylene	0.00	50.0	48.3	96.6	50.0	46.6	93.2	3.6	30-150	<20

QC Batch No: 042620; Dup or Spiked Sample: 104488.54; LCS: Blank; QC Prepared: 04/26/2020; QC Analyzed: 04/28/2020; Units: ug/Kg

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	453	90.6	500	454	90.8	<1	50-150	<40	
Aroclor-1260 (PCB-1260)	500	420	84.0	500	685	137	48.0	50-150	<40	
Surrogates										
Decachlorobiphenyl	50.0	45.0	90.0	50.0	46.4	92.7	3.0	30-150	<20	
Tetrachloro-m-xylene	50.0	44.8	89.6	50.0	44.9	89.8	<1	30-150	<20	

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Data Qualifiers and Descriptors

Data Qualifier:

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

Definition:

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

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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

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

Date: March 8, 2018

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

Project: **Malibu-Bldg. J**
Lab I.D.: **180223-18 through -76**

Dear Mr. Ruvalcaba:

The **analytical results** for the solid samples, received by our laboratory on February 23, 2018, are attached. The samples were received intact, and accompanying chain of custody.

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

Sincerely,

Curtis Desilets
Vice President/Program Manager

Andy Wang
Laboratory Manager

Enviro – Chem, Inc.
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LABORATORY REPORT

CUSTOMER: **Alta Environmental**
3777 Long Beach Blvd, Annex Building, Long Beach, CA 90807
Tel: (562) 495-5777 Email: Cesar.Ruvalcaba@altaenviron.com
PROJECT: **Malibu-Bldg. J**

DATE SAMPLED: 02/21/18
MATRIX: SOLID
REPORT TO: MR. CESAR RUVALCABA

DATE RECEIVED: 02/23/18
DATE EXTRACTED: 2/23-24/18
DATE ANALYZED: 02/27&28/18
DATE REPORTED: 03/08/18

PCBs ANALYSIS
METHOD: EPA 3540C/8082; PAGE 1 OF 4
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	PCB-1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260	TOTAL PCBs*	DF
22118-FR1	180223-18	ND	ND	ND	ND	ND	ND	ND	ND	1
22118-FR2	180223-19	ND	ND	ND	ND	ND	2.15	ND	2.15	4
22118-FR3	180223-20	ND	ND	ND	ND	ND	3.17	ND	3.17	2
22118-FR4	180223-21	ND	ND	ND	ND	ND	5.11	ND	5.11	1
22118-FR5	180223-22	ND	ND	ND	ND	ND	8.19	ND	8.19	1
22118-FR6	180223-23	ND	ND	ND	ND	ND	2.08	ND	2.08	1
22118-FR7	180223-24	ND	ND	ND	ND	ND	192000***	ND	192000***	10000
22118-FR8	180223-25	ND	ND	ND	ND	ND	12.6	ND	12.6	1
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1
PQL		**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected Or Below the Actual Detection Limit
* = Sum of the PCB 1016, 1221, 1232, 1242, 1248, 1254 and 1260
*** = The concentration exceeds the TTLC Limit of 50, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **Alta Environmental**
3777 Long Beach Blvd, Annex Building, Long Beach, CA 90807
Tel:(562)495-5777 Email:Cesar.Ruvalcaba@altaenviron.com
PROJECT: **Malibu-Bldg. J**

DATE SAMPLED:02/21/18
MATRIX:SOLID
REPORT TO:MR. CESAR RUVALCABA

DATE RECEIVED:02/23/18
DATE EXTRACTED:2/23-24/18
DATE ANALYZED:02/27&28/18
DATE REPORTED:03/08/18

PCBs ANALYSIS
METHOD: EPA 3540C/8082; PAGE 2 OF 4
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	PCB-1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260	TOTAL PCBs*	DF
22118-FR9	180223-26	ND	ND	ND	ND	ND	3.94	ND	3.94	1
22118-FR10	180223-27	ND	ND	ND	ND	ND	2.75	ND	2.75	1
22118-FR11	180223-28	ND	ND	ND	ND	ND	12.9	ND	12.9	1
22118-FR12	180223-29	ND	ND	ND	ND	ND	0.765	ND	0.765	1
22118-FR13	180223-30	ND	ND	ND	ND	ND	1.40	ND	1.40	1
22118-FR14	180223-31	ND	ND	ND	ND	ND	3.13	ND	3.13	2
22118-FR15	180223-32	ND	ND	ND	ND	ND	0.732	ND	0.732	2
22118-FR16	180223-33	ND	ND	ND	ND	ND	10.2	ND	10.2	1
22118-FR17	180223-34	ND	ND	ND	ND	ND	1.76	ND	1.76	1
22118-FR18	180223-35	ND	ND	ND	ND	ND	ND	ND	ND	5^
22118-FR19	180223-36	ND	ND	ND	ND	ND	2.71	ND	2.71	1
22118-FR20	180223-37	ND	ND	ND	ND	ND	257000***	ND	257000***	10000
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1
PQL		**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected Or Below the Actual Detection Limit
* = Sum of the PCB 1016, 1221, 1232, 1242, 1248, 1254 and 1260
*** = The concentration exceeds the TTLC Limit of 50, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
^ = Actual detection limit raised due to matrix interference

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **Alta Environmental**
3777 Long Beach Blvd, Annex Building, Long Beach, CA 90807
Tel:(562)495-5777 Email:Cesar.Ruvalcaba@altaenviron.com
PROJECT: **Malibu-Bldg. J**

DATE SAMPLED:02/21&22/18
MATRIX:SOLID
REPORT TO:MR. CESAR RUVALCABA

DATE RECEIVED:02/23/18
DATE EXTRACTED:2/23-24/18
DATE ANALYZED:02/27&28/18
DATE REPORTED:03/08/18

PCBs ANALYSIS
METHOD: EPA 3540C/8082; PAGE 3 OF 4
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	PCB-1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260	TOTAL PCBs*	DF
22118-FR21	180223-38	ND	ND	ND	ND	ND	195000***	ND	195000***	10000
22118-FR22	180223-39	ND	ND	ND	ND	ND	211	ND	211	10
22118-FR23	180223-40	ND	ND	ND	ND	ND	9.22	ND	9.22	1
22118-FR24	180223-41	ND	ND	ND	ND	ND	24.4	ND	24.4	2
22118-FR25	180223-42	ND	ND	ND	ND	ND	11.6	ND	11.6	1
22218-FR26	180223-43	ND	ND	ND	ND	ND	30.2	ND	30.2	1
22218-FR27	180223-44	ND	ND	ND	ND	ND	5.84	ND	5.84	1
22218-FR28	180223-45	ND	ND	ND	ND	ND	1.62	ND	1.62	2
22218-FR29	180223-46	ND	ND	ND	ND	ND	9.57	ND	9.57	10
22218-FR30	180223-47	ND	ND	ND	ND	ND	9.25	ND	9.25	1
22218-FR31	180223-48	ND	ND	ND	ND	ND	ND	ND	ND	1
22218-FR32	180223-49	ND	ND	ND	ND	ND	30.6	ND	30.6	1
22218-FR33	180223-50	ND	ND	ND	ND	ND	ND	ND	ND	1
22218-FR34	180223-51	ND	ND	ND	ND	ND	6.42	ND	6.42	1
22218-FR35	180223-52	ND	ND	ND	ND	ND	ND	ND	ND	1
22218-FR36	180223-53	ND	ND	ND	ND	ND	ND	ND	ND	1
22218-FR37	180223-54	ND	ND	ND	ND	ND	ND	ND	ND	1
22218-FR38	180223-55	ND	ND	ND	ND	ND	ND	ND	ND	1
22218-FR39	180223-56	ND	ND	ND	ND	ND	10.2	ND	10.2	1
22218-FR40	180223-57	ND	ND	ND	ND	ND	ND	ND	ND	1
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1
	PQL	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected Or Below the Actual Detection Limit
* = Sum of the PCB 1016, 1221, 1232, 1242, 1248, 1254 and 1260
*** = The concentration exceeds the TTLC Limit of 50, and the sample is defined as hazardous waste as per CCR, TITLE 22 (if marked)

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
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LABORATORY REPORT

CUSTOMER: **Alta Environmental**
3777 Long Beach Blvd, Annex Building, Long Beach, CA 90807
Tel: (562) 495-5777 Email: Cesar.Ruvalcaba@altaenviron.com
PROJECT: **Malibu-Bldg. J**

DATE SAMPLED: 02/22/18
MATRIX: SOLID
REPORT TO: MR. CESAR RUVALCABA

DATE RECEIVED: 02/23/18
DATE EXTRACTED: 2/23-24/18
DATE ANALYZED: 02/28&03/01/18
DATE REPORTED: 03/08/18

PCBs ANALYSIS
METHOD: EPA 3540C/8082; PAGE 4 OF 4
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	PCB-1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260	TOTAL PCBs*	DF
22218-FR40A	180223-58	ND	ND	ND	ND	ND	3.98	ND	3.98	1
22218-FR41	180223-59	ND	ND	ND	ND	ND	ND	ND	ND	1
22218-FR42	180223-60	ND	ND	ND	ND	ND	ND	ND	ND	1
22218-FR43	180223-61	ND	ND	ND	ND	ND	ND	ND	ND	10^
22218-FR45	180223-62	ND	ND	ND	ND	ND	9.32	ND	9.32	1
22218-FR46	180223-63	ND	ND	ND	ND	ND	ND	ND	ND	20
22218-FR47	180223-64	ND	ND	ND	ND	ND	14.9	ND	14.9	8
22218-FR48	180223-65	ND	ND	ND	ND	ND	19.2	ND	19.2	8
22218-FR49	180223-66	ND	ND	ND	ND	ND	5.47	ND	5.47	1
22218-FR50	180223-67	ND	ND	ND	ND	ND	ND	ND	ND	1
22218-FR51	180223-68	ND	ND	ND	ND	ND	ND	ND	ND	5^
22218-FR52	180223-69	ND	ND	ND	ND	ND	7.26	ND	7.26	2
22218-FR53	180223-70	ND	ND	ND	ND	ND	6.62	ND	6.62	1
22218-FR54	180223-71	ND	ND	ND	ND	ND	3.91	ND	3.91	1
22218-FR55	180223-72	ND	ND	ND	ND	ND	4.58	ND	4.58	1
22218-FR56	180223-73	ND	ND	ND	ND	ND	ND	ND	ND	1
22218-FR57	180223-74	ND	ND	ND	ND	ND	6.61	ND	6.61	1
22218-FR55A	180223-75	ND	ND	ND	ND	ND	4.90	ND	4.90	1
22218-FR58	180223-76	ND	ND	ND	ND	ND	ND	ND	ND	1
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1
	PQL	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected Or Below the Actual Detection Limit
* = Sum of the PCB 1016, 1221, 1232, 1242, 1248, 1254 and 1260
*** = The concentration exceeds the TTLC Limit of 50, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
^ = Actual detection limit raised due to matrix interference

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro-Chem, Inc.

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

EPA 8082 QA/QC Report

Matrix: **Soil/Solid/Sludge** Date Analyzed: 2/27-28/2018

Unit: mg/Kg(PPM)

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

Spiked Sample Lab I.D.: 180227-LCS1/2

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
PCB (1016+1260)	0.000	0.100	0.118	**118%**	0.100	**100%**	**17%**	**0-20%**	**70-130**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	0.100	0.103	**103%**	**75-125**

Surrogate Recovery	ACP%	ACP%	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	180223-18	180223-19	180223-20	180223-21	180223-22	180223-23
Tetra-chloro-meta-xylene	50-150	135%	85%	110%	110%	106%	95%	127%
Decachlorobipneyl	50-150	115%	68%	110%	106%	93%	62%	139%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	180223-24							
Tetra-chloro-meta-xylene	129%							
Decachlorobipneyl	109%							

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.						
Tetra-chloro-meta-xylene						
Decachlorobipneyl						

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

** = Surrogate fail due to matrix interference (If Marked)*

Note: *LCS, MS, MSD are in control therefore results are in control.*

Analyzed and Reviewed By: _____

Final Reviewer: _____

Enviro-Chem, Inc.

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

EPA 8082 QA/QC Report

Matrix: **Soil/Solid/Sludge** Date Analyzed: 2/27-28/2018

Unit: mg/Kg(PPM)

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

Spiked Sample Lab I.D.: 180227-LCS1/2

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
PCB (1016+1260)	0.000	0.100	0.118	**118%**	0.100	**100%**	**17%**	**0-20%**	**70-130**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	0.100	0.103	**103%**	**75-125**

Surrogate Recovery	ACP%	ACP%	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	180223-18	180223-19	180223-20	180223-21	180223-22	180223-23
Tetra-chloro-meta-xylene	50-150	135%	85%	110%	110%	106%	95%	127%
Decachlorobipneyl	50-150	115%	68%	110%	106%	93%	62%	139%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	180223-24	180223-25	180223-26	180223-27	180223-28	180223-29	180223-30	180223-31
Tetra-chloro-meta-xylene	129%	91%	75%	85%	88%	82%	84%	123%
Decachlorobipneyl	109%	136%	67%	55%	107%	100%	105%	147%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	180223-32	180223-33	180223-34	180223-35	180223-36	180223-37
Tetra-chloro-meta-xylene	102%	14*%	36*%	110%	92%	166*%
Decachlorobipneyl	116%	33*%	108%	63%	77%	210*%

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

** = Surrogate fail due to matrix interference (If Marked)*

Note: *LCS, MS, MSD are in control therefore results are in control.*

Analyzed and Reviewed By: _____

Final Reviewer: _____

Enviro-Chem, Inc.

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

EPA 8082 QA/QC Report

Matrix: **Soil/Solid/Sludge** Date Analyzed: **2/27-28/2018**

Unit: mg/Kg(PPM)

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

Spiked Sample Lab I.D.: 180227-LCS1/2

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
PCB (1016+1260)	0.000	0.100	0.123	**123%**	0.119	**119%**	**4%**	**0-20%**	**70-130**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	0.100	0.085	**85%**	**75-125**

Surrogate Recovery	ACP%	ACP%	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	180223-38	180223-39	180223-40	180223-41	180223-42	180223-43
Tetra-chloro-meta-xylene	50-150	108%	129%	133%	97%	182*%	122%	164*%
Decachlorobipneyl	50-150	74%	105%	94%	89%	82%	90%	105%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	180223-44	180223-45	180223-46	180223-47	180223-48	180223-49	180223-50	180223-51
Tetra-chloro-meta-xylene	180*%	96%	103%	129%	52%	70%	58%	145%
Decachlorobipneyl	136%	93%	75%	106%	74%	117%	117%	113%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	180223-52	180223-53	180223-54	180223-55	180223-56	180223-57
Tetra-chloro-meta-xylene	88%	51%	135%	60%	132%	70%
Decachlorobipneyl	104%	69%	222*%	123%	103%	215*%

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

** = Surrogate fail due to matrix interference (If Marked)*

Note: *LCS, MS, MSD are in control therefore results are in control.*

Analyzed and Reviewed By: _____

Final Reviewer: _____

Enviro-Chem, Inc.

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

EPA 8082 QA/QC Report

Matrix: **Soil/Solid/Sludge** Date Analyzed: **2/28/-3/12018**

Unit: mg/Kg(PPM)

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

Spiked Sample Lab I.D.: 180228-LCS1/2

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
PCB (1016+1260)	0.000	0.100	0.090	**90%**	0.106	**106%**	**16%**	**0-20%**	**70-130**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	0.100	0.123	**123%**	**75-125**

Surrogate Recovery	ACP%	ACP%	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	180223-58	180223-59	180223-60	180223-61	180223-62	180223-63
Tetra-chloro-meta-xylene	50-150	123%	152*%	61%	69%	64%	119%	220*%
Decachlorobipneyl	50-150	116%	174*%	99%	117%	111%	172*%	155%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	180223-64	180223-65	180223-66	180223-67	180223-68	180223-69	180223-70	180223-71
Tetra-chloro-meta-xylene	105%	114%	117%	48*%	57%	259*%	250*%	118%
Decachlorobipneyl	85%	76%	97%	80%	128%	159*%	79%	94%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	180223-72	180223-73	180223-74	180223-75	180223-76	
Tetra-chloro-meta-xylene	182*%	60%	267*%	127%	56%	
Decachlorobipneyl	155*%	110%	100%	100%	88%	

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

** = Surrogate fail due to matrix interference (If Marked)*

Note: *LCS, MS, MSD are in control therefore results are in control.*

Analyzed and Reviewed By: _____

Final Reviewer: _____

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
0 1 Week (Standard) (circled)
Other:

Misc./PO#: Bldg J

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	EPA 8082 PCBs									COMMENTS
22118-FR1	B0223-18	2-21-18	1710	Bulk	1	4.0°C	Ice	X									Roof caulking
FR2	-19	2-21-18	1715	Bulk	1		Ice	X									Roof caulking
FR3	-20	2-21-18	1730	Bulk	1		Ice	X									Roof caulking
FR4	-21	2-21-18	1738	Bulk	1		Ice	X									Roof caulking
FR5	-22	2-21-18	1740	Bulk	1		Ice	X									Roof caulking
FR6	-23	2-21-18	1800	Bulk	1		Ice	X									Roof caulking
FR7	-24	2-21-18	1815	Bulk	1		Ice	X									Roof caulking
FR8	-25	2-21-18	1826	Bulk	1		Ice	X									Roof caulking
FR9	-26	2-21-18	1830	Bulk	1		Ice	X									Roof caulking
FR10	-27	2-21-18	1850	Bulk	1		Ice	X									Roof caulking
FR11	-28	2-21-18	1852	Bulk	1		Ice	X									Roof caulking
FR12	-29	2-21-18	1855	Bulk	1		Ice	X									Roof caulking
FR13	-30	2-21-18	1900	Bulk	1		Ice	X									Roof caulking
FR14	-31	2-21-18	1925	Bulk	1		Ice	X									Roof caulking
FR15	-32	2-21-18	2015	Bulk	1		Ice	X									Roof caulking

Analysis Required

Company Name: Alta Environmental
Address: 3777 Long Beach Blvd
City/State/Zip: Long Beach Ca

Project Contact: C. Rawlcah
Tel:
Fax:

Sampler's Signature: [signature]
Project Name/ID: Malibu - Bldg J

Relinquished by: [signature] 0935	Received by: [signature]	Date & Time: 2/23/2018 935 AM	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	Date & Time:	O Dispose of O Return to Client O Store (30 Days) (marked)
Relinquished by:	Received by:	Date & Time:	O Other:

CHAIN OF CUSTODY RECORD

Date: 2-23-18

WHITE WITH SAMPLE • YELLOW TO CLIENT

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
0 1 Week (Standard)
Other:

Misc./PO# Bldg 5

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required: EPA Method 8082 PCBs	COMMENTS
22118-FR16	18073-33	2-21-18	2030	Bulk	1		ICE	X	Door Caulking
FR17	-34		2032		1			X	
FR18	-35		2038		1			X	
FR19	-36		2040		1			X	
FR20	-37		2100		1			X	
FR21	-38		2105		1			X	
FR22	-39		2108		1			X	
FR23	-40		2110		1			X	
FR24	-41		2120		1			X	
FR25	-42		2130		1			X	
22218-FR26	-43	2-22-18	1550	Bulk	1		ICE	X	Door Caulking
FR27	-44		1600		1			X	
FR28	-45		1610		1			X	
FR29	-46		1620		1			X	

Company Name: Alta Environmental
Address: 3777 Long Beach Blvd
City/State/Zip: Long Beach Ca
Project Contact: Cesar Rivalcoba
Tel:
Fax:
Sampler's Signature:
Project Name/ID: Malibu Bldg 5

Relinquished by: 0925	Received by:	Date & Time: 2/23/2018 936 AM
Relinquished by:	Received by:	Date & Time:
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client X Store (30 Days)
O Other:

CHAIN OF CUSTODY RECORD

Date: 2-23-18

WHITE WITH SAMPLE • YELLOW TO CLIENT

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
~~0 1 Week (Standard)~~
Other:

Misc./PO# Malibu - Bldg J

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	EPA 8082	COMMENTS
22218-FR30	18072-47	2-22-18	1630	Bulk	1		Ice	X	Cesar Caulking
FR31	48		1632		1			X	
FR32	49		1638		1			X	
FR33	50		1700		1			X	
FR34	51		1705		1			X	
FR35	52		1730		1			X	
FR36	53		1748		1			X	
FR37	54		1800		1			X	
FR38	55		1809		1			X	
FR39	56		1829		1			X	
FR40	57		1830		1			X	
FR40A	58		1855		1			X	
FR41	59		1900		1			X	
FR42	60		1952		1			X	
FR43	61		2060		1			X	

Analysis Required

Company Name: Atlas Environmental
Address: 3777 Long Beach Blvd
City/State/Zip: Long Beach CA
Project Contact: Cesar Caulking
Tel:
Fax:
Sampler's Signature:
Project Name/ID: Malibu - Bldg J

Relinquished by:	0935	Received by:	Date & Time: 2/23/2018 936 AM
Relinquished by:		Received by:	Date & Time:
Relinquished by:		Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client X Store (30 Days)
O Other:

CHAIN OF CUSTODY RECORD

Date: 2-23-18

WHITE WITH SAMPLE • YELLOW TO CLIENT

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
0 1 Week (Standard)
Other:

Misc./PO# Bldg 5

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required (EPA - Method 8082 - PCBs)	COMMENTS
22218-FR44	# Not used								
22218-FR#3A	# Not used								
22218-FR45	1802153-62	2-22-18	2020	Bulk	1		Ice	X	Bear Gulch
FR46	-63		2030		1			X	
FR47	-64		2100		1			X	
FR48	-65		2105		1			X	
FR49	-66		2115		1			X	
FR50	-67		2118		1			X	
FR51	-68		2120		1			X	
FR52	-69		2125		1			X	
FR53	-70		2128		1			X	
FR54	-71		2130		1			X	
FR55	-72		2138		1			X	
FR56	-73		2140		1			X	
FR57	-74		2150		1			X	

Company Name: Alta Environmental
Address: 3777 Long Beach Blvd
City/State/Zip: Long Beach
Project Contact: Erica Ruelas
Tel:
Fax:
Sampler's Signature:
Project Name/ID: Malibu - Bldg 5

Relinquished by:	Received by:	Date & Time:
		2/23/2018 936 am
Relinquished by:	Received by:	Date & Time:
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client X Store (30 Days)
O Other:

CHAIN OF CUSTODY RECORD

Date: 2-23-18

WHITE WITH SAMPLE • YELLOW TO CLIENT

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
0 1 Week (Standard)
Other:

Misc./PO# Bldg J

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required: EPA Method 8082 - PCBs	COMMENTS
22218-FR55A	18073-75	2-22-18	2152	Bulk	1		ICE	X	Door Caulks
" FR58	" -76	"	2200	"	1		"	X	"

Company Name: Alta Environmental	**Project Contact:** Cesar Ramirez	**Sampler's Signature:**
Address: 3777 Long Beach Blvd	**Tel:**	**Project Name/ID:** Malibu Bldg J
City/State/Zip: Long Beach Ca	**Fax:**	

Relinquished by:	Received by:	Date & Time: 2/23/2018 930 am	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	Date & Time:	O Dispose of O Return to Client X Store (30 Days)
Relinquished by:	Received by:	Date & Time:	O Other:

CHAIN OF CUSTODY RECORD

Date: 2-22-18

WHITE WITH SAMPLE • YELLOW TO CLIENT

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

Date: January 14, 2019

Mr. David Schack
Alta Environmental
3777 Long Beach Blvd, Annex Building
Long Beach, CA 90807
Tel:(562)495-5777 E-Mail: David.Schack@altaenviron.com

Project: **Malibu High School Bldg J SMSD-18-8202**
Lab I.D.: **190108-49 through -60**

Dear Mr. Schack:

The **analytical results** for the solid samples, received by our laboratory on January 8, 2019, are attached. The samples were received chilled, intact, and accompanying chain of custody.

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

Sincerely,

Curtis Desilets
Vice President/Program Manager

Andy Wang
Laboratory Manager

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

LABORATORY REPORT

CUSTOMER: **Alta Environmental**
3777 Long Beach Blvd, Annex Building, Long Beach, CA 90807
Tel:(562)495-5777 Email:David.Schack@altaenviron.com

PROJECT: **Malibu High School Bldg D SMSD-18-8202**

DATE SAMPLED:01/07/19
MATRIX:SOLID
REPORT TO:MR. DAVID SCHACK

DATE RECEIVED:01/08/19
DATE EXTRACTED:01/08-09/19
DATE ANALYZED:01/09-10/19
DATE REPORTED:01/14/19

PCBs ANALYSIS; PAGE 1 OF 2
METHOD: EPA 3540C/8082
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	PCB-1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260	TOTAL PCBs*	DF
010719-										
JR01J	190108-49	ND	ND	ND	ND	ND	35.3	ND	35.3	10
JR02J	190108-50	ND	ND	ND	ND	ND	1.06	ND	1.06	1
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1
	PQL	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected Or Below the Actual Detection Limit
* = Sum of the PCB 1016, 1221, 1232, 1242, 1248, 1254 and 1260
*** = The concentration exceeds the TTLC Limit of 50, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro-Chem, Inc.

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

EPA 8082 QA/QC Report

Matrix: **Soil/Solid/Sludge** Date Analyzed: **1/9-10/2019**

Unit: mg/Kg(PPM)

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

Spiked Sample Lab I.D.: 190109-LCS1/2

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
PCB (1016+1260)	0.000	0.100	0.103	**103%**	0.108	**108%**	**4%**	**0-20%**	**70-130**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	0.100	0.084	**84%**	**75-125**

Surrogate Recovery	ACP%	ACP%	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	190108-31	190108-32	190108-33	190108-34	190108-35	190108-36
Tetra-chloro-meta-xylene	50-150	110%	84%	88%	106%	125%	109%	105%
Decachlorobipneyl	50-150	51%	112%	96%	99%	132%	106%	121%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	190108-37	190108-38	190108-39	190108-40	190108-41	190108-42	190108-43	190108-44
Tetra-chloro-meta-xylene	101%	106%	116%	96%	107%	98%	90%	107%
Decachlorobipneyl	115%	133%	147%	91%	107%	146%	129%	117%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	190108-45	190108-46	190108-47	190108-48	190108-49	190108-50
Tetra-chloro-meta-xylene	101%	118%	102%	107%	99%	50%
Decachlorobipneyl	117%	116%	147%	116%	117%	111%

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

** = Surrogate fail due to matrix interference (If Marked)*

Note: *LCS, MS, MSD are in control thekefore results are in control.*

Analyzed and Reviewed By: _____

Final Reviewer: _____

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

LABORATORY REPORT

CUSTOMER: **Alta Environmental**
3777 Long Beach Blvd, Annex Building, Long Beach, CA 90807
Tel:(562)495-5777 Email:David.Schack@altaenviron.com

PROJECT: **Malibu High School Bldg D SMSD-18-8202**

DATE SAMPLED:01/07/19
MATRIX:SOLID
REPORT TO:MR. DAVID SCHACK

DATE RECEIVED:01/08/19
DATE EXTRACTED:01/08-09/19
DATE ANALYZED:01/10-11/19
DATE REPORTED:01/14/19

PCBs ANALYSIS; PAGE 2 OF 2
METHOD: EPA 3540C/8082
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	PCB-1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260	TOTAL PCBs*	DF
010719-										
JR03J	190108-51	ND	ND	ND	ND	ND	34000 ***	57500 ***	91500 ***	10000
JR04J	190108-52	ND	ND	ND	ND	ND	ND	2.63	2.63	1
JR05J	190108-53	ND	ND	ND	ND	ND	ND	1.57	1.57	1
JR06J	190108-54	ND	ND	ND	ND	ND	ND	1.07	1.07	2
JR07J	190108-55	ND	ND	ND	ND	ND	ND	2.54	2.54	1
JR08J	190108-56	ND	ND	ND	ND	ND	ND	1.76	1.76	1
JR09J	190108-57	ND	ND	ND	ND	ND	ND	4.14	4.14	1
JR10J	190108-58	ND	ND	ND	ND	ND	13.3	8.27	21.6	2
JR11J	190108-59	ND	ND	ND	ND	ND	33300 ***	49700 ***	83000 ***	10000
JR07JD	190108-60	ND	ND	ND	ND	ND	ND	3.33	3.33	1
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1
PQL		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	DF

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected Or Below the Actual Detection Limit
* = Sum of the PCB 1016, 1221, 1232, 1242, 1248, 1254 and 1260
*** = The concentration exceeds the TTLC Limit of 50, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)

Data Reviewed and Approved by:
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro-Chem, Inc.

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

EPA 8082 QA/QC Report

Matrix: **Soil/Solid/Sludge** Date Analyzed: **1/10-11/2019**

Unit: mg/Kg(PPM)

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

Spiked Sample Lab I.D.: 190109-LCS3/4

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
PCB (1016+1260)	0.000	0.100	0.103	**103%**	0.090	**90%**	**14%**	**0-20%**	**70-130**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	0.100	0.097	**97%**	**75-125**

Surrogate Recovery	ACP%	ACP%	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	190108-51	190108-52	190108-53	190108-54	190108-55	190108-56
Tetra-chloro-meta-xylene	50-150	97%	111%	103%	92%	137%	96%	115%
Decachlorobipneyl	50-150	92%	120%	132%	124%	148%	126%	145%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	190108-57	190108-58	190108-59	190108-60				
Tetra-chloro-meta-xylene	116%	110%	95%	95%				
Decachlorobipneyl	130%	147%	117%	130%				

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.						
Tetra-chloro-meta-xylene						
Decachlorobipneyl						

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

** = Surrogate fail due to matrix interference (If Marked)*

Note: *LCS, MS, MSD are in control therefore results are in control.*

Analyzed and Reviewed By: _____

Final Reviewer: _____

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
0 Same Day
0 24 Hours
X 48 Hours
0 72 Hours
0 1 Week (Standard)
Other:

PRIORITY

Misc./PO#

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required: EPA 600 2 Settled Dust	COMMENTS
010719-JR01J	190108-49	01/07/19		Bulk	1		Ice	X	
-JR02J	-50				1			X	
-JR03J	-51				1			X	
-JR04J	-52				1			X	
-JR05J	-53				1			X	
-JR06J	-54				1			X	
-JR07J	-55				1			X	
-JR08J	-56				1			X	
-JR09J	-57				1			X	
-JR10J	-58				1			X	
(57) ~~-J[illegible]D~~									
-JR11J	-59				1			X	
-JR07JD	-60				1			X	
						AOZ/IN			

Company Name: Alta Environmental	Project Contact: David S / Scott N / Scott F	Sampler's Signature: [signature]
Address: 3777 Long Beach Blvd	Tel:	Project Name/ID: Malibu High School Bldg J SMSD-18-6202
City/State/Zip: Long Beach CA 90807	Fax/Email:	

Relinquished by: [signature]	Received by: [signature]	Date & Time: 01/08/19 09:[illegible]	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	Date & Time:	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	O Other:

CHAIN OF CUSTODY RECORD

WHITE WITH SAMPLE • YELLOW TO CLIENT

Date: 1/08/19

Page 1 of 1

ATTACHMENT B
BUILDING J HISTORIC AIR AND WIPE DATA

Table 3-3. Summary of Air Sample Results for the Additional 21 Regularly Occupied Rooms in MHS and JCES Buildings as Compared to USEPA Exposure Levels for Evaluating PCBs in Indoor School Air[1]
Malibu High School and Juan Cabrillo Elementary School
Malibu, California

Building	Room Placard ID	Floor Plan Room ID	Below Reporting Limit (RL)	Above RL and Below 200 ng/m^3	Above 200 ng/m^3
MHS					
A (800, Great White Shark)	802	207	1	None	None
	820	107	2	None	None
B/C (900, Whale Shark)	904	138	1	None	None
	907	125	1	None	None
	908F	114	1	None	None
	912B	104, 105, 106	1	None	None
	912F	111	1	None	None
D (100/200, Mako Shark)	202	202	1	None	None
	203	203	1	None	None
	204	204	1	None	None
	208	208	1	None	None
	210	210	1	None	None
	213	213	1	None	None
G (500, Angel Shark)	500	406S	2	None	None
	500B	406A	1	None	None
J (700, Old Gymnasium)	703	114	1	None	None
	Boys' Locker Room	130, 140	1	None	None
	Boys' Team Room	142	1	None	None
JCES					
A	Teachers' Lounge	100A	1	None	None
B	R4	4	2	None	None
D	R15	15	1	None	None

Note:
1. No concentrations were greater than the lowest USEPA's Exposure Levels for Evaluating PCBs in Indoor School Air of 200, 300, 500, 600, and 500 ng/m^3 for children three to less than six years old, elementary school (six to less than 12 years old), middle school, high school, and faculty/adults, respectively (USEPA, 2015c).

Abbreviations:
JCES = Juan Cabrillo Elementary School
MHS = Malibu High School
ng/m^3 = nanogram per cubic meter
PCB = polychlorinated biphenyl
RL = Reporting limit
USEPA = United States Environmental Protection Agency

Reference:
USEPA. 2015c. Exposure Levels for Evaluating PCBs in Indoor School Air. July 28. Available online: http://www.epa.gov/epawaste/hazard/tsd/pcbs/pubs/caulk/pdf/pcb_bdg_mat_qa.pdf.

Table 3-4. Summary of Surface Wipe Sample Results for the Additional 21 Regularly Occupied Rooms in MHS and JCES Buildings as Compared to the USEPA Region IX Benchmark[1]
Malibu High School and Juan Cabrillo Elementary School
Malibu, California

Building	Room Placard ID	Floor Plan Room ID	Below Reporting Limit (RL)	Above RL and Below 1 µg/100 cm^2	Above 1 µg/100 cm^2
MHS					
A (800, Great White Shark)	802	207	3	None	None
	820	107	3	None	None
B/C (900, Whale Shark)	904	138	4	None	None
	907	125	3	None	None
	908F	114	4	None	None
	912B	104, 105, 106	3	None	None
	912F	111	3	None	None
D (100/200, Mako Shark)	202	202	4	None	None
	203	203	4	None	None
	204	204	4	None	None
	208	208	4	None	None
	210	210	4	None	None
	213	213	3	None	None
G (500, Angel Shark)	500	406S	4	None	None
	500B	406A	4	None	None
J (700, Old Gymnasium)	703	114	3	None	None
	Boys' Locker Room	130, 140	2	1 (0.22 µg/100 cm^2)	None
	Boys' Team Room	142	4	None	None
JCES					
A	Teachers' Lounge	100A	3	None	None
B	R4	4	4	None	None
D	R15	15	4	None	None

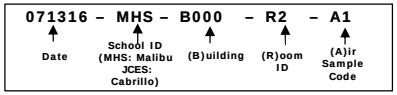
Note:
1. USEPA Region IX benchmark for surface wipe samples is 1 µg/100 cm^2.

Abbreviations:
BMP = Best Management Practices
JCES = Juan Cabrillo Elementary School
MHS = Malibu High School
RL = Reporting limit
USEPA = United States Environmental Protection Agency
µg/100 cm^2 = microgram per 100 square centimeter

Table B-1-1. Summary of Post-BMP Air Sampling Results for Summer Break 2016 Sampling
Malibu High School and Juan Cabrillo Elementary School
Malibu, California

Building	Room Placard ID	Floor Plan Room ID	Room Description	Sampling Date[a]	Sample ID	Total PCBs (ng/m^3)
MHS						
A (800, Great White Shark)	801	208	Computer lab/Library	8/5/2016	080516-MHS-B800-R801-A1	ND (<69)
B/C (900, Whale Shark)	908D	112	Counselor's Office	8/5/2016	080516-MHS-B900-R908D-A1	89 J
			Counselor's Office (duplicate)		080516-MHS-B900-R908D-A2	97
D (100/200, Mako Shark)	120	112	Teachers' Lounge	8/4/2016	080416-MHS-B100-R120-A1	ND (<69)
E (000, Blue Shark)	1	116	Classroom	8/4/2016	080416-MHS-B000-R1-A1	ND (<69)
	3	118	Classroom	8/4/2016	080416-MHS-B000-R3-A1	ND (<70)
F (300, Thresher Shark)	302	101	Band Room	7/13/2016	071316-MHS-B300-R302-A1	ND (<69)
G (500, Angel Shark)	505	404N	Art Classroom	8/4/2016	080416-MHS-B500-R505-A1	110 J
	506	403	Wood Shop	8/4/2016	080416-MHS-B500-R506-A1	200
I (400, Leopard Shark)	401	401	Classroom	7/13/2016	071316-MHS-B400-R401-A1	ND (<71)
			Classroom (duplicate)		071316-MHS-B400-R401-A2	ND (<71)
J (700, Old Gymnasium)	Boys' Team Room	142	Team Room	8/12/2016	081216-MHS-B700-RBTR-A1	93
	704/704 Hallway	117/115A	Faculty Office/Hallway		081216-MHS-B700-R704-A1	120
	705	115	Office		081216-MHS-B700-R705-A1	86
JCES						
B	R2	2	Special Education Room	8/5/2016	080516-JCES-BB-R2-A1	ND (<70)
C	R8	8	Kindergarten and 1st grade classroom	8/12/2016	081216-JCES-BC-R8-A1	ND (<68)
E	Library Resource Center	163C	Library	8/5/2016	080516-JCES-BE-RLRC-A1	ND (<70)
Field Blanks and Ambient				7/13/2016	071316-MHS-AOD	ND (<75)
					071316-MHS-AFB	NA
				8/4/2016	080416-MHS-AOD	ND (<72)
					080416-MHS-AFB	NA
				8/5/2016	080516-JCES-AOD	ND (<70)
					080516-JCES-AFB	NA
				8/12/2016	081216-MHS-AOD	ND (<71)
					081216-MHS-AFB	NA

Notes:
1. Analytical reports (P1603523, P1603898, P1603993) were provided by the laboratory, ALS Environmental. Samples were analyzed by USEPA method TO-10A.
2. DVRs (36936A, 36936B, and 36936C: EPA Level III) were provided by LDC.
3. For DVR 36936B, the %R of the surrogate was below the limit of 60-120, affecting all TCL compounds (J qualified) for two samples.
4. If no Aroclors were detected, total PCBs are shown as less than (<) the highest method reporting limit.
5. Duplicate samples were collected adjacent to the primary sample.
6. Example of sample ID:



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

Abbreviations:
ng/m^3 = nanograms per cubic meter
BMP = Best Management Practice
DVR = data validation report
FB = field blank
JCES = Juan Cabrillo Elementary School
LDC = Laboratory Data Consultants, Inc.
MHS = Malibu High School
NA = not applicable
ND = Compound was analyzed for but not detected above the laboratory reporting limit
OD = outdoor
PCB = polychlorinated biphenyl
%R = percent recoveries
TCL = target compounds list
TO = toxic organic
J = The sample detection limit is an estimated value.
USEPA = United States Environmental Protection Agency

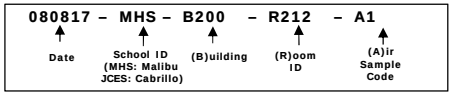
Table B-1-2. Summary of Post-BMP Surface Wipe Sampling Results for Summer Break 2016 Sampling
Malibu High School and Juan Cabrillo Elementary School
Malibu, California

Building	Room Placard ID	Floor Plan Room ID	Room Description	Sample Location	Surface Description	Sampling Date	Sample ID	Total PCB Surface Wipe Concentration
MHS								
A (800, Great White Shark)	801	208	Computer Lab/Library	Counter top	painted wood	8/6/2016	080616-MHS-B800-R801-W01	ND (<0.10)
				Table	wood		080616-MHS-B800-R801-W02	ND (<0.10)
				Bookshelf	painted wood		080616-MHS-B800-R801-W03	ND (<0.10)
B/C (900, Whale Shark)	908D	112	Counselor's Office	Desk	wood	8/6/2016	080616-MHS-B900-R908D-W01	ND (<0.10)
				Desk (replicate)	wood		080616-MHS-B900-R908D-W02	ND (<0.10)
				File cabinet	metal		080616-MHS-B900-R908D-W03	ND (<0.10)
				File cabinet	metal		080616-MHS-B900-R908D-W04	ND (<0.10)
D (100/200, Mako Shark)	120	112	Teachers' Lounge	Table	wood	8/5/2016	080516-MHS-B100-R120-W01	ND (<0.10)
				Table (duplicate)	wood		080516-MHS-B100-R120-W02	ND (<0.10)
				Bookshelf	wood		080516-MHS-B100-R120-W03	ND (<0.10)
				Computer desk	glass		080516-MHS-B100-R120-W04	ND (<0.10)
E (000, Blue Shark)	1	116	Classroom	Student desk	wood laminate	8/5/2016	080516-MHS-B000-R1-W01	ND (<0.10)
				Table	wood		080516-MHS-B000-R1-W02	ND (<0.10)
				Counter top (sink adjacent)	laminate		080516-MHS-B000-R1-W03	ND (<0.10)
	3	118	Classroom	Student desk	wood laminate	8/5/2016	080516-MHS-B000-R3-W01	ND (<0.10)
				Teacher desk	wood		080516-MHS-B000-R3-W02	ND (<0.10)
				Counter top (sink adjacent)	laminate		080516-MHS-B000-R3-W03	ND (<0.10)
F (300, Thresher Shark)	302	101	Band Room	Counter top	laminate	7/14/2016	071416-MHS-B300-R302-W01	ND (<0.10)
				Counter top (duplicate)	laminate		071416-MHS-B300-R302-W02	ND (<0.10)
				Shelving unit	wood		071416-MHS-B300-R302-W03	ND (<0.10)
				Wall	painted plaster		071416-MHS-B300-R302-W04	ND (<0.10)
G (500, Angel Shark)	505	404N	Art Classroom	Counter top (sink adjacent)	laminate	8/5/2016	080516-MHS-B500-R505-W01	ND (<0.10)
				Table	laminate		080516-MHS-B500-R505-W02	ND (<0.10)
				Counter top	laminate		080516-MHS-B500-R505-W03	ND (<0.10)
	506	403	Wood Shop	Student desk	wood laminate	8/5/2016	080516-MHS-B500-R506-W01	0.10
				Workbench	wood		080516-MHS-B500-R506-W02	ND (<0.10)
				Machinery table	wood		080516-MHS-B500-R506-W03	ND (<0.10)
I (400, Leopard Shark)	401	401	Classroom	Counter top	laminate	7/14/2016	071416-MHS-B400-R401-W01	ND (<0.10)
				Student desk	laminate		071416-MHS-B400-R401-W02	ND (<0.10)
				Student desk (replicate)	laminate		071416-MHS-B400-R401-W03	ND (<0.10)
				Teacher desk	laminate		071416-MHS-B400-R401-W04	ND (<0.10)
J (700, Old Gymnasium)	Boys' Team Room	142	Team Room	Desk	wood	8/13/2016	081316-MHS-B700-RBTR-W01	ND (<0.10)
				Desk (replicate)	wood		081316-MHS-B700-RBTR-W02	ND (<0.10)
				Table	wood		081316-MHS-B700-RBTR-W03	ND (<0.10)
				Bookshelf	metal		081316-MHS-B700-RBTR-W04	ND (<0.10)
	704/704 Hallway	117/115A	Faculty Office/Hallway	Desk	laminate	8/13/2016	081316-MHS-B700-R704-W01	ND (<0.10)
				Desk (duplicate)	laminate		081316-MHS-B700-R704-W02	ND (<0.10)
				Desk	wood		081316-MHS-B700-R704-W03	ND (<0.10)
				File cabinet	metal		081316-MHS-B700-R704-W04	ND (<0.10)
	705	115	Office	Desk	laminate	8/13/2016	081316-MHS-B700-R705-W01	ND (<0.10)
				Bookshelf	plastic		081316-MHS-B700-R705-W02	ND (<0.10)
				Bookshelf (duplicate)	plastic		081316-MHS-B700-R705-W03	ND (<0.10)
				Wall	painted stucco		081316-MHS-B700-R705-W04	ND (<0.10)

Table A-1. Summary of Post-BMP Air Sampling Results for Summer Break 2017 Sampling
Malibu High School and Juan Cabrillo Elementary School
Malibu, California

Building	Room Placard ID	Floor Plan Room ID	Room Description	Sampling Date[a]	Sample ID	Total PCBs (ng/m^3)
MHS						
D (100/200, Mako Shark)	212	212	Classroom	8/8/2017	080817-MHS-B200-R212-A1	ND (<69)
H (Cafeteria/Auditorium)	605A	120	Office	8/8/2017	080817-MHS-BH-R605A-A1	ND (<70)
J (700, Old Gymnasium)	704/704 Hallway	117/115A	Faculty Office/Hallway	8/8/2017	080817-MHS-B700-R704-A1	100
	705	115	Office	8/8/2017	080817-MHS-B700-R705-A1	ND (<68)
JCES						
A	Teachers' Lounge	100A	Teachers' Lounge	8/7/2017	080717-JCES-BA-RTL-A1	ND (<69)
B	R5	5	Kindergarten Classroom	8/7/2017	080717-JCES-BB-R5-A1	ND (<68)
C	R11	11	3rd Grade Classroom	8/7/2017	080717-JCES-BC-R11-A1	ND (<68)
D	R14	14	Classroom	8/7/2017	080717-JCES-BD-R14-A1	ND (<67)
			Classroom (Duplicate)	8/7/2017	080717-JCES-BD-R14-A2	ND (<70)
Field Blanks and Ambient				8/7/2017	080717-JCES-AOD	ND (<70)
					080717-JCES-AFB	NA
				8/8/2017	080817-JCES-AOD	ND (<70)
					080817-JCES-AFB	NA

Notes:
1. Analytical report P1703866 was provided by the laboratory, ALS Environmental. Samples were analyzed by USEPA method TO-10A.
2. DVR (39422A: EPA Level III) was provided by LDC. No data qualifiers were identified.
3. If no Aroclors were detected, total PCBs are shown as less than (<) the highest method reporting limit.
4. Duplicate samples were collected adjacent to the primary sample.
5. Example of sample ID:



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

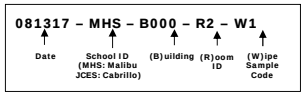
Abbreviations:
ng/m^3 = nanograms per cubic meter
BMP = Best Management Practice
DVR = data validation report
FB = field blank
JCES = Juan Cabrillo Elementary School
LDC = Laboratory Data Consultants, Inc.
MHS = Malibu High School
NA = not applicable
ND = Compound was analyzed for but not detected above the laboratory reporting limit
OD = outdoor
PCB = polychlorinated biphenyl
TO = toxic organic
USEPA = United States Environmental Protection Agency

Table A-2. Summary of Post-BMP Surface Wipe Sampling Results for Summer Break 2017
Sampling Malibu High School and Juan Cabrillo Elementary School
Malibu, California

Building	Room Placard ID	Floor Plan Room ID	Room Description	Suggested Sample Location	Surface Description	Sampling Date	Sample ID	Total PCB Surface Wipe Concentration
MHS								
D (100/200, Mako Shark)	212	212	Classroom	Student desk	laminate	8/8/2017	080817-MHS-B200-R212-W1	ND (<0.10)
				Student desk (duplicate)	laminate		080817-MHS-B200-R212-W2	ND (<0.10)
				Teacher desk	laminate		080817-MHS-B200-R212-W3	ND (<0.10)
				Bookshelf	wood		080817-MHS-B200-R212-W4	ND (<0.10)
H (Cafeteria/Auditorium)	605A	120	Office	Bookshelf	wood	8/8/2017	080817-MHS-BH-R605A-W1	ND (<0.10)
				Table	laminate		080817-MHS-BH-R605A-W2	ND (<0.10)
				Table (replicate)	laminate		080817-MHS-BH-R605A-W3	ND (<0.10)
				Desk	laminate		080817-MHS-BH-R605A-W4	ND (<0.10)
J (700, Old Gymnasium)	704/704 Hallway	117/115A	Faculty Office/Hallway	Desk	laminate	8/8/2017	080817-MHS-B700-R704-W1	ND (<0.10)
				Desk	laminate		080817-MHS-B700-R704-W2	ND (<0.10)
				File cabinet	metal		080817-MHS-B700-R704-W3	ND (<0.10)
	705	115	Office	Desk	laminate	8/8/2017	080817-MHS-B700-R705-W1	ND (<0.10)
				Bookshelf	plastic		080817-MHS-B700-R705-W2	ND (<0.10)
				Bookshelf (replicate)	plastic		080817-MHS-B700-R705-W3	ND (<0.10)
				Wall (near light switch)	painted stucco		080817-MHS-B700-R705-W4	ND (<0.10)
JCES								
A	Teachers' Lounge	100A	Teachers' Lounge	counter top, sink adjacent	laminate	8/7/2017	080717-JCES-BA-RTL-W1	ND (<0.10)
				bookshelf	painted wood		080717-JCES-BA-RTL-W2	ND (<0.10)
				bookshelf (replicate)	painted wood		080717-JCES-BA-RTL-W3	ND (<0.10)
				table	wood		080717-JCES-BA-RTL-W4	ND (<0.10)
B	R5	5	Kindergarten Classroom	Student desk	wood	8/7/2017	080717-JCES-BB-R5-W1	ND (<0.10)
				Counter top (sink adjacent)	laminate		080717-JCES-BB-R5-W2	ND (<0.10)
				Bookshelf	wood		080717-JCES-BB-R5-W3	ND (<0.10)
C	R11	11	3rd Grade Classroom	Student desk	wood	8/7/2017	080717-JCES-BC-R11-W1	ND (<0.10)
				Counter top (sink adjacent)	laminate		080717-JCES-BC-R11-W2	ND (<0.10)
				Teacher desk	wood		080717-JCES-BC-R11-W3	ND (<0.10)
				Teacher desk (duplicate)	wood		080717-JCES-BC-R11-W4	ND (<0.10)
D	R14	14	Classroom	Student desk	wood	8/7/2017	080717-JCES-BD-R14-W1	ND (<0.10)
				Counter top (sink adjacent)	laminate		080717-JCES-BD-R14-W2	ND (<0.10)
				Counter top (sink adjacent) (duplicate)	laminate		080717-JCES-BD-R14-W3	ND (<0.10)
				Bookshelf	laminate		080717-JCES-BD-R14-W4	ND (<0.10)
Field Blanks						8/7/2017	080717-WFB-HEX	ND (<0.10)
						8/8/2017	080817-WFB-HEX	ND (<0.10)

Notes:

1. Analytical reports (1708436 and 1708532) were provided by the laboratory, ALS Environmental. Samples were analyzed by USEPA method SW 8082. Sample area was 100 cm^2.
2. DVRs (39422B and 39422C: EPA Level III) were provided by LDC. No data qualifiers were identified.
3. If no Aroclors were detected, total PCBs are shown as less than (<) the highest method reporting limit.
4. Duplicate samples were collected adjacent to the primary sample. Replicate samples were collected in the same location as the primary sample, after the primary sample was collected.
5. Example of sample ID:



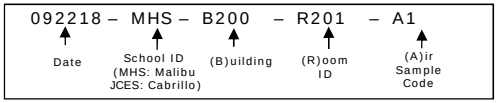
Abbreviations:

µg/100 cm^2 = micrograms per 100 square centimeters
cm^2 = square centimeters
BMP = Best Management Practice
FB = field blank
HEX = hexane
JCES = Juan Cabrillo Elementary School
MHS = Malibu High School
ND = Testing result not detected above the reporting limit
PCB = polychlorinated biphenyl
SW = solid waste
USEPA = United States Environmental Protection Agency

Table A-1. Summary of Post-BMP Air Sampling Results for 2018 Sampling
Malibu High School and Juan Cabrillo Elementary School
Malibu, California

Building	Room Placard ID	Floor Plan Room ID	Room Description	Sampling Date[a]	Sample ID	Total PCBs (ng/m^3)
MHS						
D (100/200, Mako Shark)	102	102	Classroom	9/22/2018	092218-MHS-B100-R102-A1	ND (<28)
	105	105	Classroom		092218-MHS-B100-R105-A2	ND (<26)
	201	201	Classroom		092218-MHS-B200-R201-A3	ND (<28)
	207	207	Classroom		092218-MHS-B200-R207-A4	--[b]
F (300, Thresher Shark)	303	110	Music Room		092218-MHS-B300-R303-A5	ND (<27)
			Music Room (Duplicate)		092218-MHS-B300-R303-A6	ND (<27)
G (500, Angel Shark)	505	404N	Art Classroom		092218-MHS-B500-R505-A7	ND (<28)
	506	403	Wood shop		092218-MHS-B500-R506-A8	ND (<28)
H (Cafeteria/Auditorium)	Kitchen	119	Kitchen	9/21/2018	092118-MHS-BH-RKIT-A1	ND (<28)
	Auditorium	101	Auditorium		092118-MHS-BH-RAUD-A2	ND (<29)
J (700, Old Gymnasium)	704/704 Hallway	117/115A	Faculty Office/Hallway		092118-MHS-B700-R704-A3	ND (<28)
	705	115	Office		092118-MHS-B700-R705-A4	ND (<28)
	Gym	101	Gymnasium		092118-MHS-B700-RGYM-A5	ND (<28)
JCES						
A	Main Office	100L, 100E	Main Office	9/21/2018	092118-JCES-BA-R100L-A6	ND (<27)
B	R3	3	1st grade classroom		092118-JCES-BB-R3-A7	ND (<29)
			1st grade classroom (Duplicate)		092118-JCES-BB-R3-A8	ND (<30)
C	R9	9	2nd/3rd grade classroom		092118-JCES-BC-R9-A9	ND (<27)
Field Blanks and Ambient				9/21/2018	092118-AOD	ND (<27)
					092118-AFB	NA
				9/22/2018	092218-AOD	ND (<34)
					092218-AFB	--[b]

Notes:
1. Analytical reports 34-1827058 and 34-1827061 were provided by the laboratory, ALS Environmental. Samples were analyzed by USEPA method TO-10A.
2. If no Aroclors were detected above the laboratory reporting limit, total PCBs are shown as less than (<) the highest method reporting limit.
3. Duplicate samples were collected adjacent to the primary sample.
4. Example of sample ID:



[a] Air samples were collected over a 24-hour period with the lights on, windows and doors closed, and ventilation off. Start date is given.
[b] Samples 092218-MHS-B200-R207-A4 and 092218-AFB were compromised in the laboratory extraction process and were unable to be analyzed.

Abbreviations:
ng/m^3 = nanograms per cubic meter
BMP = Best Management Practice
FB = field blank
JCES = Juan Cabrillo Elementary School
MHS = Malibu High School
NA = not applicable
ND = compound was analyzed for but not detected above the laboratory reporting limit
OD = outdoor
PCB = polychlorinated biphenyl
TO = toxic organic
USEPA = United States Environmental Protection Agency

Table A-2. Summary of Post-BMP Surface Wipe Sampling Results for 2018 Sampling
Malibu High School and Juan Cabrillo Elementary School
Malibu, California

Building	Room Placard ID	Floor Plan Room ID	Room Description	Suggested Sample Location	Surface Description	Sampling Date	Sample ID	Total PCB Surface Wipe Concentration (µg/100 cm^2)
MHS								
D (100/200, Mako Shark)	102	102	Classroom	Floor	vinyl floor tile	9/22/2018	092218-MHS-B100-R102-W1	ND (<0.10)
				Bookshelf	laminate		092218-MHS-B100-R102-W2	ND (<0.10)
				Desk	laminate		092218-MHS-B100-R102-W3	ND (<0.10)
				Desk (duplicate)	laminate		092218-MHS-B100-R102-W4	ND (<0.10)
	105	105	Classroom	Desk	laminate	9/22/2018	092218-MHS-B100-R105-W1	ND (<0.10)
				Floor	vinyl floor tile		092218-MHS-B100-R105-W2	ND (<0.10)
				Bookshelf	wood		092218-MHS-B100-R105-W3	ND (<0.10)
				Bookshelf (replicate)	wood		092218-MHS-B100-R105-W4	ND (<0.10)
	201	201	Classroom	Desk	laminate	9/22/2018	092218-MHS-B200-R201-W1	ND (<0.10)
				Floor	vinyl floor tile		092218-MHS-B200-R201-W2	ND (<0.10)
				Table	laminate		092218-MHS-B200-R201-W3	ND (<0.10)
	207	207	Classroom	Floor	vinyl floor tile	9/22/2018	092218-MHS-B200-R207-W1	ND (<0.10)
				Bookshelf	wood		092218-MHS-B200-R207-W2	ND (<0.10)
				Desk	laminate		092218-MHS-B200-R207-W3	ND (<0.10)
				Desk (replicate)	laminate		092218-MHS-B200-R207-W4	ND (<0.10)
F (300, Thresher Shark)	303	110	Music Room	Wall (near light switch)	plaster	9/22/2018	092218-MHS-B300-R303-W1	ND (<0.10)
				Floor	vinyl floor tile	9/23/2018	092318-MHS-B300-R303-W2	ND (<0.10)
				Podium	metal	9/22/2018	092218-MHS-B300-R303-W3	ND (<0.10)
				Podium (replicate)	metal		092218-MHS-B300-R303-W4	ND (<0.10)
G (500, Angel Shark)	505	404N	Art Classroom	Countertop (sink adjacent)	laminate	9/22/2018	092218-MHS-B500-R505-W1	0.12
				Table	laminate		092218-MHS-B500-R505-W2	ND (<0.10)
				Counter top	laminate		092218-MHS-B500-R505-W3	ND (<0.10)
	506	403	Wood shop	Student desk	laminate	9/22/2018	092218-MHS-B500-R506-W1	0.24
				Workbench	wood		092218-MHS-B500-R506-W2	ND (<0.10)
				Machinery table	metal		092218-MHS-B500-R506-W3	0.12
H (Cafeteria/Auditorium)	Kitchen	119	Kitchen	Table	metal	9/23/2018	092318-MHS-BH-RKIT-W1	ND (<0.10)
				Wall (near light switch)	plaster		092318-MHS-BH-RKIT-W2	ND (<0.10)
				Table	metal		092318-MHS-BH-RKIT-W3	ND (<0.10)
				Table (duplicate)	metal		092318-MHS-BH-RKIT-W4	ND (<0.10)
	Auditorium	101	Auditorium	Ledge	wood	9/23/2018	092318-MHS-BH-RAUD-W1	ND (<0.10)
				Seat Arm Rest	plastic		092318-MHS-BH-RAUD-W2	ND (<0.10)
				Wall (near light switch)	wood		092318-MHS-BH-RAUD-W3	ND (<0.10)
J (700, Old Gymnasium)	704/704 Hallway	117/115A	Faculty Office/Hallway	Floor	vinyl floor tile	9/23/2018	092318-MHS-B700-R704-W1	0.12
				File cabinet	metal		092318-MHS-B700-R704-W2	ND (<0.10)
				Desk	laminate		092318-MHS-B700-R704-W3	ND (<0.10)
				Desk (duplicate)	laminate		092318-MHS-B700-R704-W4	ND (<0.10)
	705	115	Office	Floor	vinyl floor tile	9/23/2018	092318-MHS-B700-R705-W1	ND (<0.10)
				Desk	laminate		092318-MHS-B700-R705-W2	ND (<0.10)
				Cabinet	plastic		092318-MHS-B700-R705-W3	ND (<0.10)
				Cabinet (replicate)	plastic		092318-MHS-B700-R705-W4	ND (<0.10)
	Gym	101	Gymnasium	Floor	hardwood	9/23/2018	092318-MHS-B700-RGYM-W1	ND (<0.10)
				Wall (near light switch)	plaster		092318-MHS-B700-RGYM-W2	ND (<0.10)
				Bleachers	plastic		092318-MHS-B700-RGYM-W3	ND (<0.10)
				Bleachers (duplicate)	plastic		092318-MHS-B700-RGYM-W4	ND (<0.10)