

Intended for

**Santa Monica-Malibu Unified School District
Santa Monica, California**

Date

March 2, 2018

**NOTIFICATION AND REQUEST FOR APPROVAL,
CLEANUP AND DISPOSAL OF PCB
REMEDICATION WASTE PLAN,
BUILDINGS A AND B/C
MALIBU HIGH SCHOOL, MALIBU, CALIFORNIA**

**CLEANUP AND DISPOSAL OF PCB REMEDIATION WASTE PLAN,
BUILDINGS A AND B/C**

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1. INTRODUCTION

On behalf of Santa Monica-Malibu Unified School District (SMMUSD or District), Ramboll US Corporation (Ramboll) hereby submits to the U.S. Environmental Protection Agency (EPA) this Notification of Cleanup and Disposal of PCB Remediation Waste ("Cleanup Plan") for the property located at 30215 Morning View Drive, Malibu, CA, otherwise known as Malibu High School (MHS). For the purpose of this submittal, "the Site" shall refer only to Building A and Building B/C on the campus of MHS. Both buildings are currently proposed for demolition. This work plan is being submitted in accordance with 40 CFR 761.61(c) (Risk-Based Disposal approval) as an Addendum to the July 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* ("MHS Specific Plan") (ENVIRON, 2014a), 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") (ENVIRON, 2014b), and as approved by the EPA Region IX ("EPA's 2014 Approval Letter" [EPA, 2014] and "EPA's November 2015 Approval Letter" [EPA, 2015]).

During a meeting with the District and EPA on January 29, 2018, the following topics were discussed with respect to Buildings A and B/C: a) the status of polychlorinated biphenyl (PCB) testing conducted, b) the presence of PCBs identified in flooring tile/mastic at >50 milligrams per kilogram (mg/kg), c) the identified concentrations of PCBs in the concrete slabs at levels >1 mg/kg, and d) available options for disposal of the concrete slabs. Per the EPA's request, we are now proceeding with the submittal of this Cleanup Plan to facilitate the removal and offsite disposal of the concrete slabs.

Building demolition is planned to begin in mid-March 2018 during which time concrete slab removal will occur.

Figure 1 depicts the layout of the Site, and **Figures 2 and 3** depict sampling locations from investigations conducted to date to identify PCB concentrations in building materials prior to demolition.

2. BACKGROUND INFORMATION

SMMUSD is the owner and operator of the MHS buildings. As part of a modernization project at MHS, Buildings A and B/C (both constructed in approximately 1963), are scheduled for demolition, tentatively starting in mid-March 2018. It is tentatively the District's plan to replace Building A and B/C with a new two-story classroom/library/administration building by 2020.

3. NATURE AND EXTENT OF CONTAMINATION

3.1 Initial Characterization of Building Materials Prior to Demolition Project

On March 29, 2017, in preparation for the demolition for waste characterization purposes, representative bulk samples were collected by Alta Environmental (Alta) from various building materials in Buildings A and B/C for PCB analysis (EPA Method 8082 via Soxhlet Extraction). Based on the results of this sampling, several materials were confirmed to exceed the TSCA threshold of 50 mg/kg for PCBs, which included the following:

Building A

- Blue paint on metal handrails (122 mg/kg)
- Door caulk (7,450 mg/kg)
- Gray duct seam sealant (86.3 mg/kg)

- 9"x9" beige floor tile/mastic (199 mg/kg)

Building B/C

- 9"x9" beige floor tile/mastic (56.4 mg/kg)
- White paint on brick wall (102 mg/kg)
- Exterior caulking (154,000 mg/kg)
- Blue paint on wood door (69 mg/kg)

The locations of all bulk samples collected, as well as summary tables showing all analytical results, are provided on **Figures 2 and 3**. Laboratory reports are provided in **Appendix A**.

3.2 Removal and Disposal of PCB-containing Materials

From July 12-28, 2017 all building materials containing >50 mg/kg PCBs were removed by Integrated Demolition and Remediation Inc. (IDR), a California licensed contractor (CSLB #1003504), located in Anaheim, California under the oversight of Alta for offsite disposal as PCB Bulk Product Waste. The remediation also included the removal of impacted porous materials, approximately 12 inches around window frames, doorframes and wall vents. The remediation work was completed using a full containment with temporary negative pressure differential by HAZWOPER trained workers using proper PPE. The waste was shipped to US Ecology of Beatty, NV and waste manifests are provided as **Appendix B**.

3.3 Sampling of Adjacent Porous Substrate

In July and August 2017, representative bulk samples were collected by Alta from the porous substrate adjacent to PCB-containing materials in Buildings A and B/C for PCB analysis (EPA Method 8082 via Soxhlet Extraction). The locations of all bulk samples for Buildings A and B/C, respectively, are provided on **Figures 2 and 3** and a summary of sampling results is provided in the tables below:

Table 1 - Sampling Results for Adjacent Porous Building Materials in Building A

Date	Sample ID	Material Sampled	PCB concentration (mg/kg)
7/7/17	77-1	Concrete slab beneath 9"x9" beige floor tile/mastic (0-0.5" depth)	24.6
	77-2	Concrete slab beneath 9"x9" beige floor tile/mastic (0.5-0.75" depth)	Non-detect

Table 2 - Sampling Results for Adjacent Porous Building Materials in Building B/C

Date	Sample ID	Material Sampled	PCB concentration (mg/kg)
8/1/17	080117-1	Concrete slab beneath 9"x9" beige floor tile/mastic (0-0.5" depth)	Non-detect
	080117-2		12.5
	080117-3		6.07
	080117-4		11.2
	080117-6		3.45
	080117-7		Non-detect
8/29/17	829-1	Brick wall (following paint removal)	4.96
	829-2		1.97
	829-3		Non-detect

Based on the results of this sampling, the concrete slabs beneath the 9"x9" beige floor tile/mastic in both Buildings A and B/C were confirmed to exceed the TSCA threshold of 1 mg/kg for PCB Remediation Waste. See Section 3.4 for a discussion on several pilot studies attempted by the District to remediate the concrete slabs to PCB concentrations ≤ 1 mg/kg.

In addition, a brick wall in the southeast portion of Building B/C was also confirmed to have been impacted by PCBs at >1 mg/kg associated with white paint. In order to address the brick impacted by the white paint, the brick was removed from the wall on September 22, 2017, and October 13, 2017 by IDR for offsite disposal as PCB Bulk Product Waste. The waste was shipped to US Ecology of Beatty, NV and waste manifests are provided as **Appendix B**.

Representative bulk samples of the underlying concrete wall/floor were collected by Alta from the porous substrate adjacent to the brick for PCB analysis (EPA Method 8082 via Soxhlet Extraction). As shown in the summary table below, no PCBs were detected in the underlying concrete.

Table 3 - Sampling Results for Concrete behind Brick Wall in Building B/C

Date	Sample ID	Material Sampled	PCB concentration (mg/kg)
9/22/17	922-W1	Concrete floor	Non-detect
	922-B1	Concrete wall (following removal of brick containing >1 mg/kg PCBs)	Non-detect
	922-B2		Non-detect
	922-B3		Non-detect

Laboratory reports are provided in **Appendix A**.

3.4 Pilot Studies Conducted for Remediation of Concrete Slab

This section provides a summary on several attempts to remediate the concrete slab to PCB concentrations ≤ 1 mg/kg.

3.4.1 Cleaning of Slab using Industrial Grade Cleaning Solutions

In order to assess whether or not PCBs could easily be extracted/cleaned from the surface of the concrete slab, on June 23, June 27, July 5, and July 7, 2017, the remedial contractor cleaned a small section of the slab in the basement of Building A four times using an industrial grade cleaning solution (Simple Green) with hand scrubbers and rags. Subsequent to cleaning, bulk and wipe samples were collected and analyzed using EPA Method 8082 via Soxhlet Extraction. Bulk samples 77-1 and 77-2 (as shown on **Figure 2**) were collected from the concrete slab, and PCBs were detected at 24.6 mg/kg from the surficial concrete sample. As such, the remedial goal of ≤ 1 mg/kg was not achieved.

In addition, surface wipe samples 623-M1, 627-1, and 705-2 had PCB concentrations ranging between 6.53 and 32.2 $\mu\text{g}/100\text{cm}^2$ (as shown on **Figure 2**).

All waste generated during the completion of this pilot study was containerized for offsite disposal as hazardous waste and was shipped to US Ecology of Beatty, NV and waste manifests are provided as **Appendix B**.

3.4.2 Cleaning of Slab using CAPSUR®

In August 2017, an informal pilot study was undertaken to determine the efficacy of using CAPSUR® in remediating the concrete slabs to less than 1 mg/kg. CAPSUR® is a product that is commonly used to clean concrete slabs after spills have occurred from PCB-containing liquids. In order to establish a baseline concentration, on August 1, 2017, wipe samples were first collected by Alta from

selected areas of the concrete slab at Building B/C within the area where the 9"x9" beige floor tile previously existed. The samples were submitted for PCB analysis (EPA Method 8082 via Soxhlet Extraction). CAPSUR® was subsequently applied to the concrete slab at the wipe sample locations per the manufacturer's recommendations. Following the manufacturer's recommended dwell time (approximately 5 minutes), the surface was then cleaned by water, rags, and then cleaned up using vacuums which were equipped with HEPA filters. On August 4, 2017, wipe samples for PCB analysis were then collected by Alta in the areas treated with CAPSUR® to determine the presence of surficial PCB residue. The samples were analyzed using EPA Method 8082 via Soxhlet Extraction. The results of the pilot study are provided in the table below.

Table 3 - Sampling Results for CAPSUR® Pilot Study

Area	Pre-CAPSUR® Wipe Sample Concentration (µg/100cm ²), collected on 8/1/17	Post-CAPSUR® Wipe Sample Concentration (µg/100cm ²), collected on 8/4/17
1	34.5	Non-detect
2	58.2	2.82
3	196	7.86
4	427	12.9
5	52	Non-detect
6	54.5	10.9
7	1.87	Non-detect

In summary, surficial PCB concentrations were found to decrease after application of CAPSUR®, however detectable levels of PCBs were found to remain at four (4) of the seven (7) sample areas. As such, the District felt these results were unacceptable and therefore, another remedial method was attempted as described below.

All waste generated during the completion of this pilot study was containerized for offsite disposal as hazardous waste and was shipped to US Ecology of Beatty, NV and waste manifests are provided as **Appendix B**.

3.4.3 Bead Blasting Surface of Slab

In order to attempt to remediate the concrete slab to ≤1 mg/kg PCBs, bead blasting of the surface of the concrete slab was conducted in Building B/C on September 20, 21, and October 9, and 10, 2017. Two random locations within the area where the 9"x9" beige floor tile previously existed were selected as Pilot Test Area 1 and Pilot Test Area 2. As shown on **Figure 3**, Pilot Test Area 1 was located in Room 908 and Pilot Test Area 2 was located in Room 900C. Pilot Test Area 1 and Pilot Test Area 2 correspond to bulk sample concentrations taken from the surface of the concrete slab with PCB concentrations of 11.2 and 12.5 mg/kg, respectively.

The bead blasting work was completed using a full containment with temporary negative pressure differential by HAZWOPER trained workers using proper PPE. Each pass of the bead blasting equipment removed approximately 1/8" from the surface of the concrete, with a width of approximately 12" and a length of approximately 48". Representative photographs are provided below of the bead blasting activities.



Representative photo of Pilot Study Area 1, showing Strips 1, 2 and 3 after bead blasting



Representative close-up photo of Pilot Study Area 1, Strip 2 after bead blasting

In order to evaluate the decrease in concentration of the remaining slab in place after each pass, bulk samples were collected by Alta from the surface of the concrete for PCB analysis (EPA Method 8082 via Soxhlet Extraction). Bulk samples were collected by pulverizing the surface of concrete using a combination of a screwdriver/hammer and a 1"-diameter drill bit. A summary table is provided below, and cross section figures showing the analytical results are provided as **Figures 4 and 5**.

Table 4 - Sampling Results for Bead Blasting Pilot Study

Pilot Test Area	Sample ID	Depth of Sample (relative to original grade level)	PCB concentration (mg/kg)
Pilot Test Area 1	080117-4	0-0.5"	11.2
Pilot Test Area 1, Strip 1	920-B1-Bulk	1/8"-1/4"	7.0

Pilot Test Area	Sample ID	Depth of Sample (relative to original grade level)	PCB concentration (mg/kg)
	109-B2-Bulk	1/4"-3/8"	1.44
	109-B3-Bulk	3/8"-1/2"	0.597
Pilot Test Area 1, Strip 2	920-B2-Bulk	1/8"-1/4"	8.09
	921-B1-Bulk	1/4"-3/8"	1.43
	109-B4-Bulk	3/8"-1/2"	0.873
Pilot Test Area 1, Strip 3	920-B4-Bulk	1/8"-1/4"	Non-detect
	921-B2-Bulk	1/4"-3/8"	1.29
	921-B3	3/8"-1/2"	Non-detect
Pilot Test Area 2	080117-4	0-0.5"	12.5
	109-B1-Bulk	0-1/8"	6.44
	1010-B1-Bulk	1/8"-1/4"	9.01
	1010-B2-Bulk	1/4"-3/8"	1.64
	1010-B3-Bulk	3/8"-1/2"	Non-detect

As shown in the table above, in general, PCB concentrations in the concrete slab decreased after each pass of the bead blasting equipment, with ≤ 1 mg/kg concentrations achieved at all 4 locations tested after removing the upper 3/8" of concrete from the surface of the slab. However, upon review of the pilot study results with the District's construction team, it was determined that bead blasting of Buildings A and B/C (totaling approximately 13,000 square feet of slab beneath the PCB-containing tile/mastic) was not financially feasible, would be extremely labor intensive, and there also were concerns about controlling dust with the full-scale implementation of this approach. So instead, the removal and offsite disposal of the PCB-impacted concrete as PCB Remediation Waste was selected as the preferred remedial approach.

Lastly, although not required for disposal purposes, wipe samples were also collected by Alta from the surface of the concrete slab and immediately subsequent to each pass of the bead blasting equipment. With the exception of one sample ($4.85 \mu\text{g}/100\text{cm}^2$), all wipe samples were non-detect for PCBs.

All waste generated during the completion of this pilot study was containerized for offsite disposal and arrangements are currently underway for this hazardous waste to be shipped to US Ecology of Beatty, NV.

4. PROPOSED REMEDIATION STRATEGY

This section presents a cleanup plan for concrete subject to regulation under TSCA at 761.61(c) including: remedial goal/approach, disposal options, schedule, and owner certification. In summary, the remedial plan for the Site is to remove all concrete with PCB concentrations > 1 mg/kg for offsite disposal as PCB Remediation Waste.

4.1 Cleanup Levels and Remedial Approach

The cleanup goal is to physically remove from the Site, and properly dispose of, all concrete impacted with total PCB concentrations > 1 mg/kg. PCB-impacted concrete will be transported to approved facilities based on the "as found" concentrations. The extent of the PCB-impacted concrete is shown on **Figures 2 and 3** as the shaded area for the extent of 9"x9" beige floor tile/mastic.

4.2 Waste Management and Off-Site Disposal

The removal and management of the entire thickness of the concrete floor slabs will be conducted in conjunction with the Site demolition contract. As summarized in **Section 3.3**, all sampling data for the concrete slabs in Buildings A and B/C was <50 mg/kg, and this data is believed to be representative of the concrete slabs for both buildings. Therefore, we are categorizing the PCB-impacted concrete as <50 mg/kg PCB Remediation Waste. Concrete floor slabs with in-place detected total PCB concentrations <50 mg/kg and >1 mg/kg (as defined as the "Extent of PCB-impacted 9"x9" Beige Floor Tile on **Figures 2 and 3**) will have the entire thickness of the concrete floor slab disposed of at a facility that is permitted, licensed or registered by the State of California in accordance with requirements outlined in 40 CFR §761.61 (a)(5)(v)(A) or another RCRA Subtitle D facility. Several facilities are currently being considered for disposal of concrete in California. Remediation waste materials transported to RCRA Subtitle D facilities will be transported under a Hazardous Waste Manifest or Bill of Lading. Concrete with in-place detected concentrations <1 mg/kg will be disposed of at an off-Site facility that is appropriately permitted, licensed or registered by the State of California to accept these materials, or will be disposed of at a facility for waste concrete with in-place detected total PCB concentrations <50 mg/kg and >1 mg/kg.

All operators and trucks will have proper Department of Transportation certificates and vehicle inspection certifications.

4.3 Confirmatory Post-Remediation Sampling

As summarized in **Sections 3.3 and 3.4**, concrete samples were collected at multiple depth intervals in the area beneath where the beige 9"x9" floor tile was previously present in Buildings A and B/C. At a depth of 3/8" into the concrete, PCBs were not detected at levels >1 mg/kg, supporting the conclusion that PCB impacts do not penetrate through the entire thickness of the slab.

No post-remediation confirmation sample collection is considered necessary based on the following:

- Lateral delineation of PCB-impacted area is defined as the area where the beige 9"x9" floor tile was previously present, as shown on **Figures 2 and 3**;
- Vertical delineation of total PCBs has been achieved to <1 mg/kg at a 3/8" depth; even so, the entire thickness of the concrete will be removed; and
- Adequate concrete sampling and characterization to assess the nature and extent of PCB impacts in concrete has been completed.

4.4 Schedule

Work related to removal of PCB Remediation Waste will commence following approval of this Cleanup Plan. Removal of PCB-impacted concrete is tentatively planned for mid-March 2018.

4.5 Certification

Please see Appendix A of the MHS Specific Plan for a written certifications signed by: 1) the owner of the property where the cleanup site is located, and 2) the party conducting the cleanup, that all sampling plans, sample collection procedures, sample preparation procedures, extraction procedures, and instrumental/chemical analysis procedures used to assess or characterize the PCB contamination at the cleanup site, are on file at the location designated in the certificate, and are available for EPA inspection (§761.61(a)(3)(i)(E)).

5. CONCLUSION



On behalf of SMMUSD, Ramboll requests EPA approval of this Notification of Cleanup and Disposal of PCB Remediation Waste under 40 CFR 761.61(c) associated with the cleanup of concrete containing >1 mg/kg of PCBs.

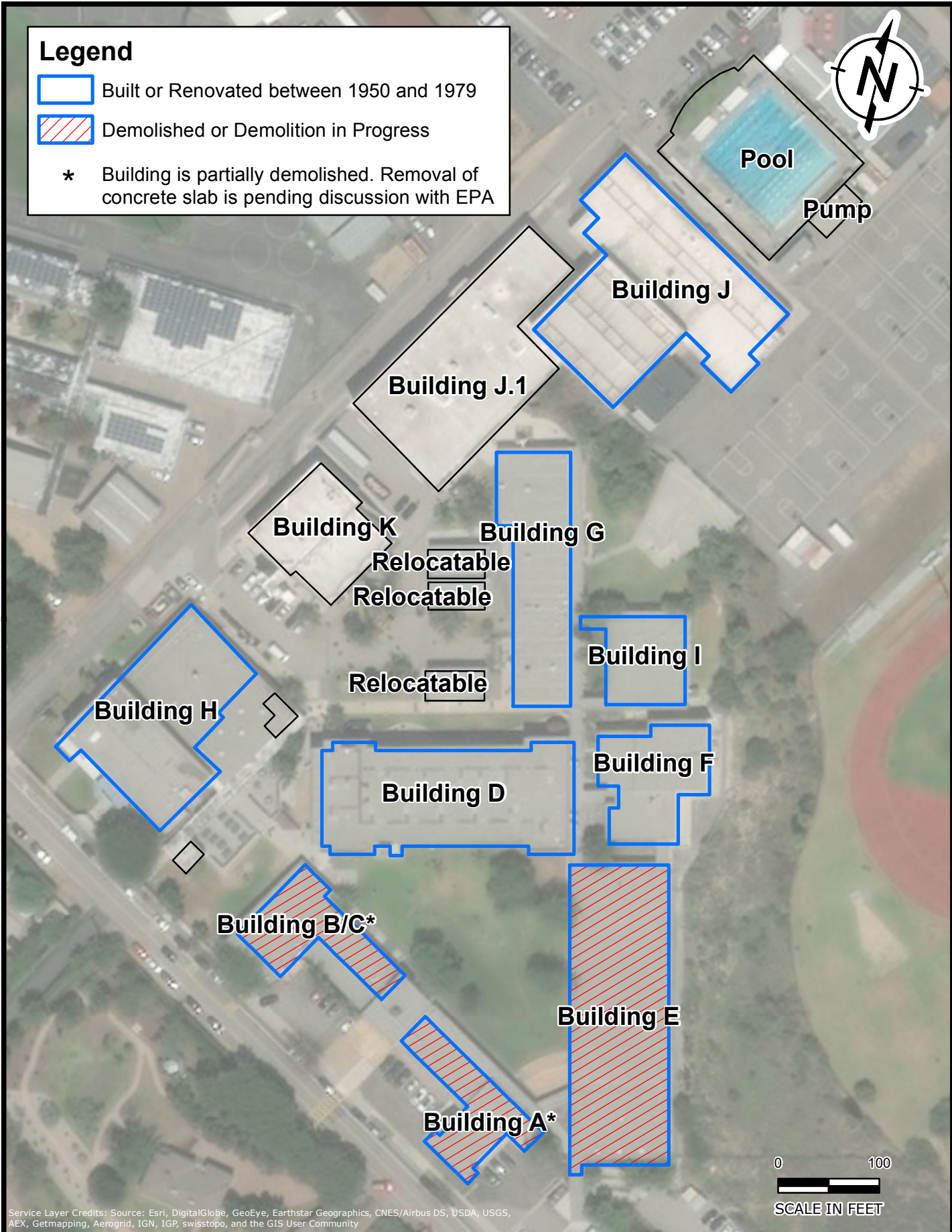
The PCB-impacted concrete material encountered at the Site will be managed and disposed of in accordance with this Cleanup Plan. If conditions are encountered that vary substantially from those anticipated, this plan may be revised to accommodate those conditions. Pursuant to 40 CFR Section 761.61(a)(3)(ii), EPA will be notified of changes to this plan, in writing, at least 14 days prior to the preferred date for implementation of the changes.

6. REFERENCES


- ENVIRON. 2014a. *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. Available online: <http://www.smmusd.org/PublicNotices/PCBRemediationPlan070314.pdf>.
- ENVIRON. 2014b. *Supplemental Removal Information for the Library, Building E - Rooms 1, 5, and 8 and Building G - Room 506 at Malibu High School*. September 26. Available online: <http://www.smmusd.org/PublicNotices/MHSSuppRemovalSSP092614.pdf>.
- EPA. 2014. Letter from Jared Blumenfeld/USEPA to Sandra Lyon/SMMUSD. October 31. Available online: http://www.smmusd.org/PublicNotices/EnvDocs/EPAtoSL_103114.pdf.
- EPA. 2015. Letter from Jeff Scott/USEPA to Sandra Lyon/SMMUSD. November 2. Available online: <http://www.smmusd.org/publicnotices/MalibuSupplementalApproval.pdf>.

Legend

-  Built or Renovated between 1950 and 1979
-  Demolished or Demolition in Progress
- * Building is partially demolished. Removal of concrete slab is pending discussion with EPA



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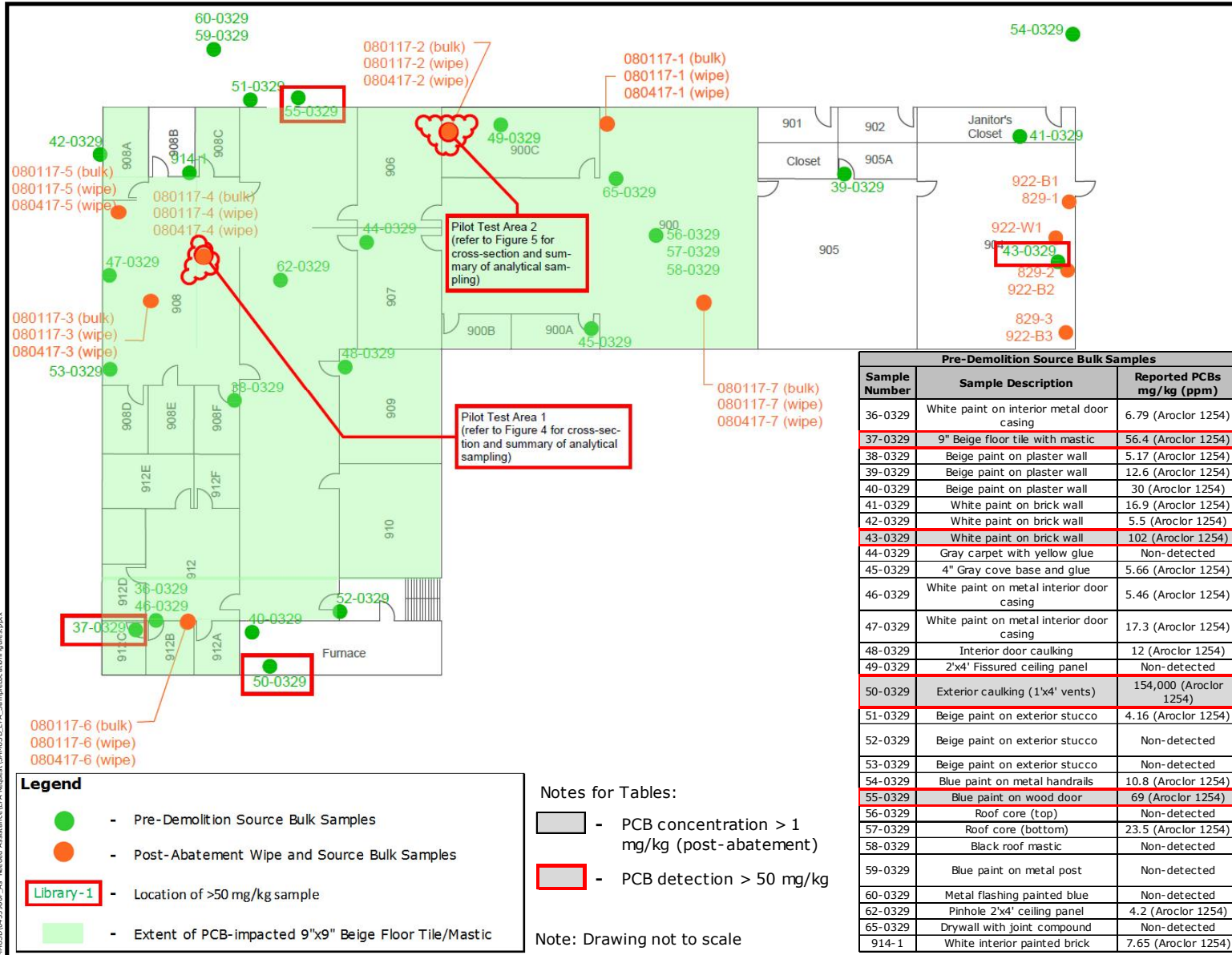


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Site Plan for Malibu High School
 Malibu High School
 30215 Morning View Drive, Malibu, California

FIGURE 1

PROJECT: 1690001822



Legend

- - Pre-Demolition Source Bulk Samples
- - Post-Abatement Wipe and Source Bulk Samples
- Library-1 - Location of >50 mg/kg sample
- Extent of PCB-impacted 9'x9' Beige Floor Tile/Mastic

Notes for Tables:

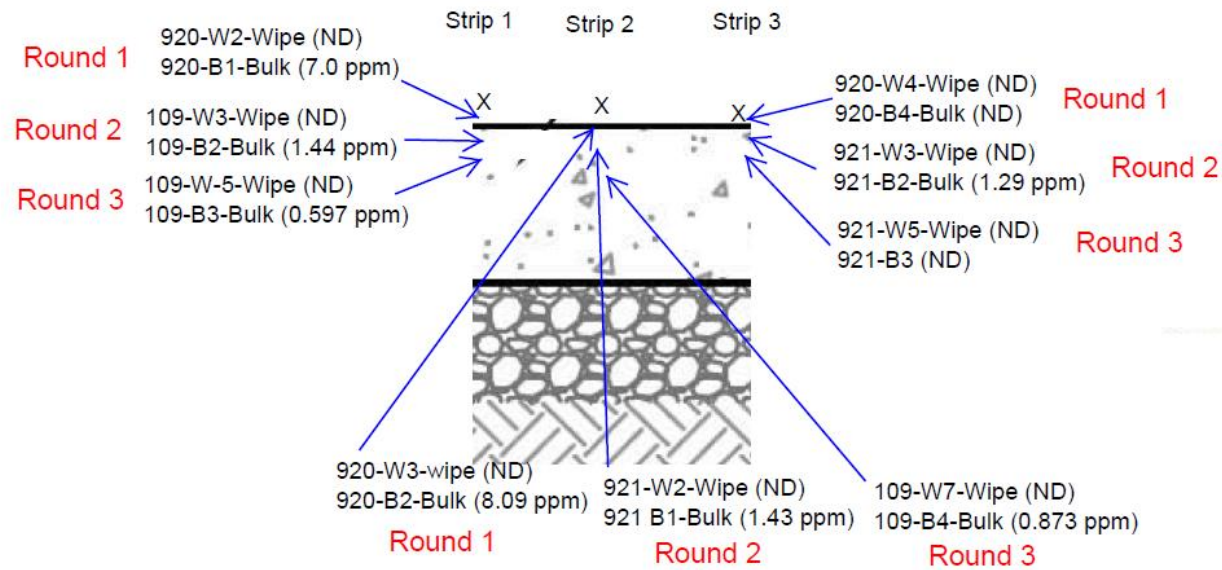
- PCB concentration > 1 mg/kg (post-abatement)
- PCB detection > 50 mg/kg

Note: Drawing not to scale

Pre-Demolition Source Bulk Samples		
Sample Number	Sample Description	Reported PCBs mg/kg (ppm)
36-0329	White paint on interior metal door casing	6.79 (Aroclor 1254)
37-0329	9" Beige floor tile with mastic	56.4 (Aroclor 1254)
38-0329	Beige paint on plaster wall	5.17 (Aroclor 1254)
39-0329	Beige paint on plaster wall	12.6 (Aroclor 1254)
40-0329	Beige paint on plaster wall	30 (Aroclor 1254)
41-0329	White paint on brick wall	16.9 (Aroclor 1254)
42-0329	White paint on brick wall	5.5 (Aroclor 1254)
43-0329	White paint on brick wall	102 (Aroclor 1254)
44-0329	Gray carpet with yellow glue	Non-detected
45-0329	4" Gray cove base and glue	5.66 (Aroclor 1254)
46-0329	White paint on metal interior door casing	5.46 (Aroclor 1254)
47-0329	White paint on metal interior door casing	17.3 (Aroclor 1254)
48-0329	Interior door caulking	12 (Aroclor 1254)
49-0329	2'x4' Fissured ceiling panel	Non-detected
50-0329	Exterior caulking (1'x4' vents)	154,000 (Aroclor 1254)
51-0329	Beige paint on exterior stucco	4.16 (Aroclor 1254)
52-0329	Beige paint on exterior stucco	Non-detected
53-0329	Beige paint on exterior stucco	Non-detected
54-0329	Blue paint on metal handrails	10.8 (Aroclor 1254)
55-0329	Blue paint on wood door	69 (Aroclor 1254)
56-0329	Roof core (top)	Non-detected
57-0329	Roof core (bottom)	23.5 (Aroclor 1254)
58-0329	Black roof mastic	Non-detected
59-0329	Blue paint on metal post	Non-detected
60-0329	Metal flashing painted blue	Non-detected
62-0329	Pinhole 2'x4' ceiling panel	4.2 (Aroclor 1254)
65-0329	Drywall with joint compound	Non-detected
914-1	White interior painted brick	7.65 (Aroclor 1254)

Post-Abatement Samples		
Sample Number	Sample Description	Reported PCBs
080117-1	Concrete floor-bulk	Non-detected
080117-2	Concrete floor-bulk	12.5 (mg/kg [ppm])
080117-3	Concrete floor-bulk	6.07 (mg/kg [ppm])
080117-4	Concrete floor-bulk	11.2 (mg/kg [ppm])
080117-6	Concrete floor-bulk	3.45 (mg/kg [ppm])
080117-7	Concrete floor-bulk	Non-detected
829-1	Brick wall (following paint removal)	4.96 (mg/kg [ppm])
829-2	Brick wall (following paint removal)	1.97 (mg/kg [ppm])
829-3	Brick wall (following paint removal)	Non-detected
922-W1	Concrete floor	Non-detected
922-B1	Concrete wall following brick removal	Non-detected
922-B2	Concrete wall following brick removal	Non-detected
922-B3	Concrete wall following brick removal	Non-detected
08117-1	Concrete floor-wipe	34.5 (µg/100cm ²)
080717-1	Concrete floor-wipe concrete wipe (CAPSUR)	Non-detected
80117-2	Concrete floor-wipe	58.2 (µg/100cm ²)
080417-2	Concrete floor-wipe concrete wipe (CAPSUR)	2.82 (µg/100cm ²)
80117-3	Concrete floor-wipe	196 (µg/100cm ²)
080417-3	Concrete floor-wipe concrete wipe (CAPSUR)	7.86 (µg/100cm ²)
80117-4	Concrete floor-wipe	427 (µg/100cm ²)
080417-4	Concrete floor-wipe concrete wipe (CAPSUR)	12.9 (µg/100cm ²)
80117-5	Concrete floor-wipe	52 (µg/100cm ²)
080417-5	Concrete floor-wipe concrete wipe (CAPSUR)	Non-detected
80117-6	Concrete floor-wipe	54.5 (µg/100cm ²)
080417-6	Concrete floor-wipe concrete wipe (CAPSUR)	10.9 (µg/100cm ²)

Pilot Test Area 1
 Using a bead blasting unit.
 Standard pass approx. 1/8" each pass



Round 1 samples collected after 1st pass of bead blasting (upper 1/8" of concrete removed),
 Round 2 samples collected after 2nd pass of bead blasting (upper 2/8" of concrete removed), and
 Round 3 samples collected after 3rd pass of bead blasting (upper 3/8" of concrete removed).

All bulk samples were collected by pulverizing the upper 1/8" of concrete using a combination of a
 screwdriver/hammer or a 1"-diameter drill bit.

Note: Drawing not to scale



Cross-Section of PCB Sampling Results for Pilot Test Area 1

Malibu High School
 30215 Morning View Drive, Malibu, California

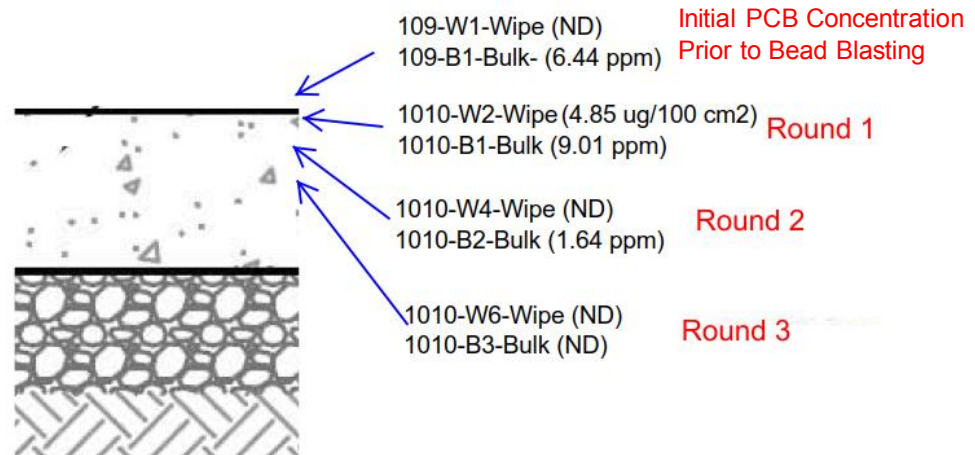
FIGURE
4

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Pilot Test Area 2
 Using a bead blasting unit.
 Standard pass approx. 1/8" each pass



Round 1 samples collected after 1st pass of bead blasting (upper 1/8" of concrete removed),
 Round 2 samples collected after 2nd pass of bead blasting (upper 2/8" of concrete removed), and
 Round 3 samples collected after 3rd pass of bead blasting (upper 3/8" of concrete removed).

All bulk samples were collected by pulverizing the upper 1/8" of concrete using a combination of a
 screwdriver/hammer or a 1"-diameter drill bit.

Note: Drawing not to scale



Cross-Section of PCB Sampling Results for Pilot Test Area 2

Malibu High School
 30215 Morning View Drive, Malibu, California

FIGURE
5

DRAFTED BY: RC DATE: 3/2/2018

1690001822

LABORATORY REPORTS

Enviro - Chem, Inc.

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

Date: April 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 A, B/C**
Lab I.D.: **170330-49 through -113**


Dear Mr. Ruvalcaba:

The **analytical results** for the solid samples, received by our laboratory on March 30, 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 A, B/C**

DATE SAMPLED: 03/29/17

MATRIX: SOLID

REPORT TO: MR. CESAR RUVALCABA

DATE RECEIVED: 03/30/17

DATE EXTRACTED: 03/30-31/17

DATE ANALYZED: 03/31&04/01/17

DATE REPORTED: 04/06/17

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
01-0329	170330-49	ND	ND	ND	ND	ND	ND	ND	ND	2^
02-0329	170330-50	ND	ND	ND	ND	ND	7.80	ND	7.80	2
03-0329	170330-51	ND	ND	ND	ND	ND	9.60	ND	9.60	2
04-0329	170330-52	ND	ND	ND	ND	ND	6.40	ND	6.40	2
05-0329	170330-53	ND	ND	ND	ND	ND	4.23	ND	4.23	1
06-0329	170330-54	ND	ND	ND	ND	ND	14.8	ND	14.8	4
07-0329	170330-55	ND	ND	ND	ND	ND	122	ND	122	40
08-0329	170330-56	ND	ND	ND	ND	ND	27.0	ND	27.0	4
09-0329	170330-57	ND	ND	ND	ND	ND	ND	ND	ND	2^
10-0329	170330-58	ND	ND	ND	ND	ND	7450	ND	7450	800
11-0329	170330-59	ND	ND	ND	ND	ND	ND	ND	ND	2^
12-0329	170330-60	ND	ND	ND	ND	ND	13.2	ND	13.2	2
13-0329	170330-61	ND	ND	ND	ND	ND	86.3	ND	86.3	20
14-0329	170330-62	ND	ND	ND	ND	ND	ND	ND	ND	1
15-0329	170330-63	ND	ND	ND	ND	ND	ND	ND	ND	5**
16-0329	170330-64	ND	ND	ND	ND	ND	199	ND	199	40
17-0329	170330-65	ND	ND	ND	ND	ND	3.81	ND	3.81	1
18-0329	170330-66	ND	ND	ND	ND	ND	8.97	ND	8.97	2
19-0329	170330-67	ND	ND	ND	ND	ND	ND	ND	ND	1
20-0329	170330-68	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 limited sample

** = Actual detection limit raised due to matrix interference

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 High Bldg A, B/C**

DATE RECEIVED: 03/30/17
 DATE EXTRACTED: 03/30-31/17
 DATE ANALYZED: 04/01/17
 DATE REPORTED: 04/06/17

DATE SAMPLED: 03/29/17
 MATRIX: SOLID
 REPORT TO: MR. CESAR RUVALCABA

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
21-0329	170330-69	ND	ND	ND	ND	ND	ND	ND	ND	1
22-0329	170330-70	ND	ND	ND	ND	ND	ND	ND	ND	1
23-0329	170330-71	ND	ND	ND	ND	ND	ND	ND	ND	4^
24-0329	170330-72	ND	ND	ND	ND	ND	ND	ND	ND	1
25-0329	170330-73	ND	ND	ND	ND	ND	2.82	ND	2.82	1
26-0329	170330-74	ND	ND	ND	ND	ND	10.7	ND	10.7	4
27-0329	170330-75	ND	ND	ND	ND	ND	ND	ND	ND	1
28-0329	170330-76	ND	ND	ND	ND	ND	ND	ND	ND	1
29-0329	170330-77	ND	ND	ND	ND	ND	3.11	ND	3.11	1
30-0329	170330-78	ND	ND	ND	ND	ND	3.59	ND	3.59	1
31-0329	170330-79	ND	ND	ND	ND	ND	ND	ND	ND	2^
32-0329	170330-80	ND	ND	ND	ND	ND	ND	ND	ND	8^
33-0329	170330-81	ND	ND	ND	ND	ND	ND	ND	ND	1
34-0329	170330-82	ND	ND	ND	ND	ND	ND	ND	ND	2^
35-0329	170330-83	ND	ND	ND	ND	ND	ND	ND	ND	2^
36-0329	170330-84	ND	ND	ND	ND	ND	6.79	ND	6.79	1
37-0329	170330-85	ND	ND	ND	ND	ND	56.4	ND	56.4	8
38-0329	170330-86	ND	ND	ND	ND	ND	5.17	ND	5.17	2
39-0329	170330-87	ND	ND	ND	ND	ND	12.6	ND	12.6	2
40-0329	170330-88	ND	ND	ND	ND	ND	30.0	ND	30.0	8
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 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

Data Reviewed and Approved by: ced
 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 High Bldg A, B/C**

DATE RECEIVED: 03/30/17
 DATE EXTRACTED: 03/30-31/17
 DATE ANALYZED: 04/01/17
 DATE REPORTED: 04/06/17

DATE SAMPLED: 03/29/17
 MATRIX: SOLID
 REPORT TO: MR. CESAR RUVALCABA

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
41-0329	170330-89	ND	ND	ND	ND	ND	16.9	ND	16.9	2
42-0329	170330-90	ND	ND	ND	ND	ND	5.50	ND	5.50	1
43-0329	170330-91	ND	ND	ND	ND	ND	102	ND	102	20
44-0329	170330-92	ND	ND	ND	ND	ND	ND	ND	ND	4^
45-0329	170330-93	ND	ND	ND	ND	ND	5.66	ND	5.66	1
46-0329	170330-94	ND	ND	ND	ND	ND	5.49	ND	5.49	1
47-0329	170330-95	ND	ND	ND	ND	ND	17.3	ND	17.3	2
48-0329	170330-96	ND	ND	ND	ND	ND	12.0	ND	12.0	2
49-0329	170330-97	ND	ND	ND	ND	ND	ND	ND	ND	1
50-0329	170330-98	ND	ND	ND	ND	ND	154000	ND	154000	16000
51-0329	170330-99	ND	ND	ND	ND	ND	4.16	ND	4.16	1
52-0329	170330-100	ND	ND	ND	ND	ND	ND	ND	ND	1
53-0329	170330-101	ND	ND	ND	ND	ND	ND	ND	ND	1
54-0329	170330-102	ND	ND	ND	ND	ND	10.8	ND	10.8	2
55-0329	170330-103	ND	ND	ND	ND	ND	69.0	ND	69.0	8
56-0329	170330-104	ND	ND	ND	ND	ND	ND	ND	ND	1
57-0329	170330-105	ND	ND	ND	ND	ND	23.5	ND	23.5	4
58-0329	170330-106	ND	ND	ND	ND	ND	ND	ND	ND	1
59-0329	170330-107	ND	ND	ND	ND	ND	ND	ND	ND	8^
60-0329	170330-108	ND	ND	ND	ND	ND	ND	ND	ND	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 limited sample

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

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LABORATORY REPORT

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PROJECT: Malibu High Bldg A, B/C

DATE SAMPLED: 03/29/17

MATRIX: SOLID

REPORT TO: MR. CESAR RUVALCABA

DATE RECEIVED: 03/30/17

DATE EXTRACTED: 03/30-31/17

DATE ANALYZED: 04/01/17

DATE REPORTED: 04/06/17

PCBs ANALYSIS

METHOD: EPA 3540C/8082; PAGE 4 OF 4

UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

Table with 11 columns: SAMPLE I.D., LAB I.D., PCB-1016, PCB-1221, PCB-1232, PCB-1242, PCB-1248, PCB-1254, PCB-1260, TOTAL PCBs*, DF. Rows include samples 61-0329 to 65-0329 and a Method Blank.

PQL 0.5 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 CCP TITLE 22 (if marked)

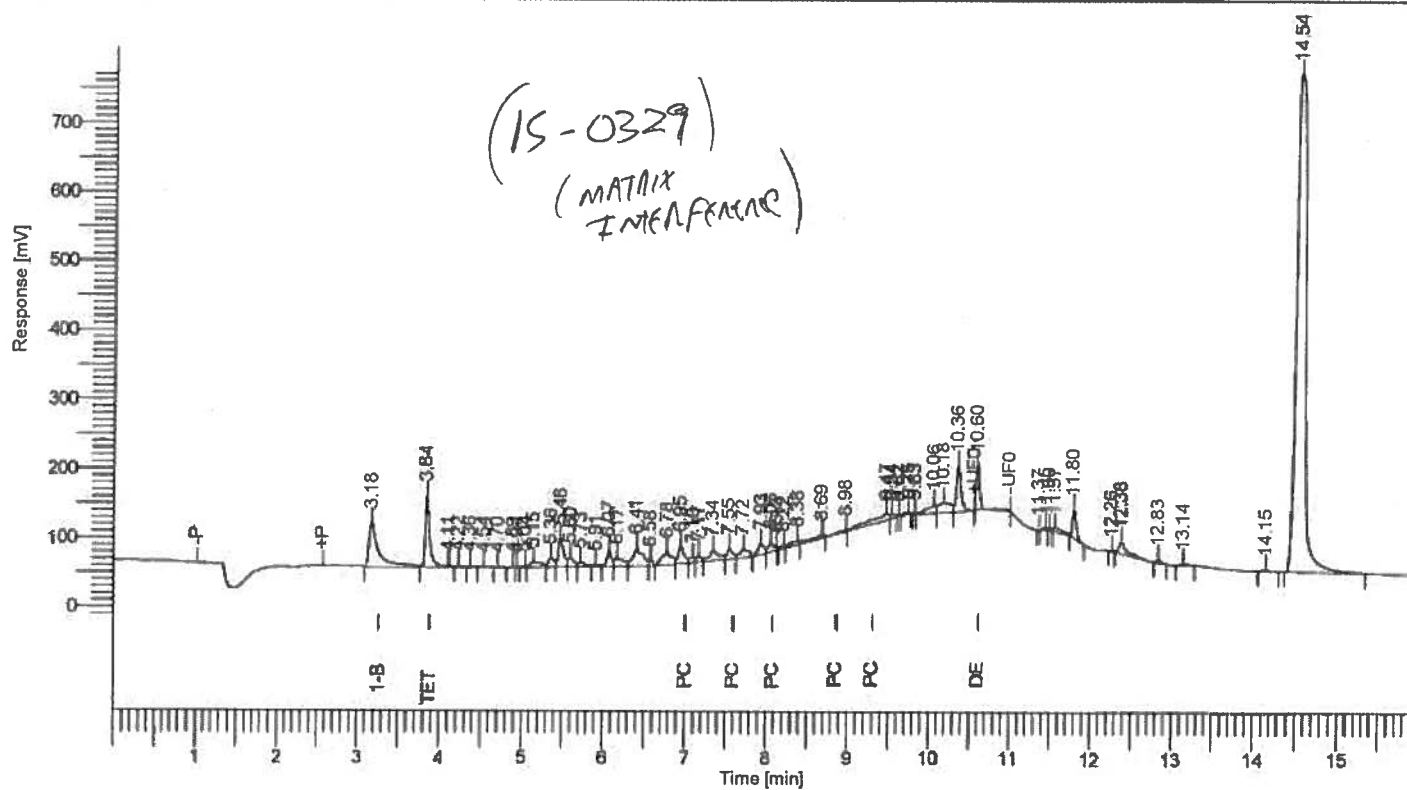
Data Reviewed and Approved by: [Signature]

CAL-DHS ELAP CERTIFICATE No.: 1555

Software Version : 6.3.2.0646
 Sample Name : 170330-63 2/50 RE
 Instrument Name : GC-J
 Rack/Vial : 0/10
 Sample Amount : 1.000000
 Cycle : 11

Date : 4/5/2017 3:37:13 PM
 Data Acquisition Time : 4/4/2017 8:12:59 PM
 Channel : A
 Operator : manager
 Dilution Factor : 1.000000

Result File : D:\GC DATA\GC-J\J02017\J1704\J170403-PCBA019.rst
 Sequence File : D:\GC DATA\GC-J\J02017\J1704\J170403-PCBJ170403-PCB.seq



Peak #	Component Name	Time [min]	Area [$\mu\text{V}\cdot\text{sec}$]	Height [μV]	Adjusted Amount
1	1-Bromo-2-Nitrobenzene	3.18	522061.61	63163.68	-----
2	Tetra chloro-meta-xylene	3.84	381542.80	102136.17	102.851
	PCB (1016+1260)	6.95	318193.52	55193.36	0.208
43	Decachlorobiphenyl	10.60	211423.70	62300.48	58.183
			1433221.63	282793.69	161.242

PCB Results

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: **3/31-4/1/2017**

Unit: **mg/Kg(PPM)**

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

Spiked Sample Lab I.D.: **170331-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%	0.106	106%	11%	0-20%	70-130

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	0.100	0.121	121%	75-125

Surrogate Recovery	ACP%	ACP%	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	170330-49	170330-50	170330-51	170330-52	170330-53	170330-54	
Tetra-chloro-meta-xylene	50-150	125%	111%	129%	122%	110%	99%	102%	
Decachlorobipneyl	50-150	80%	92%	105%	107%	111%	99%	101%	

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	170330-55	170330-56	170330-57	170330-58	170330-59	170330-60	170330-61	170330-62	
Tetra-chloro-meta-xylene	94%	103%	106%	95%	98%	104%	107%	92%	
Decachlorobipneyl	84%	77%	96%	69%	83%	84%	97%	82%	

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	170330-63	170330-64	170330-65	170330-66	170330-67	170330-68
Tetra-chloro-meta-xylene	103%	108%	112%	99%	105%	113%
Decachlorobipneyl	58%	65%	89%	66%	112%	87%

S.R. = Sample Result

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

spk conc = Spike Concentration

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

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

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: 4/1-2/2017

Unit: mg/Kg(PPM)

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

Spiked Sample Lab I.D.: **170401-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%	0.093	93%	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	%REC
Sample I.D.		MB	170330-69	170330-70	170330-71	170330-72	170330-73	170330-74	
Tetra-chloro-meta-xylene	50-150	96%	111%	91%	73%	92%	119%	82%	
Decachlorobipneyl	50-150	82%	86%	68%	66%	71%	87%	79%	

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	170330-75	170330-76	170330-77	170330-78	170330-79	170330-80	170330-81	170330-82	
Tetra-chloro-meta-xylene	98%	79%	80%	106%	90%	119%	77%	106%	
Decachlorobipneyl	65%	53%	68%	61%	52%	90%	122%	110%	

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	170330-83	170330-84	170330-85	170330-86	170330-87	170330-88
Tetra-chloro-meta-xylene	116%	84%	106%	95%	115%	110%
Decachlorobipneyl	53%	69%	78%	65%	70%	83%

S.R. = Sample Result

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

spk conc = Spike Concentration

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

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

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**
 Unit: **mg/Kg(PPM)**

Date Analyzed: **4/1-2/2017**

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)
Spiked Sample Lab I.D.: 170401-LCS1/2

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
PCB (1016+1260)	0.000	0.100	0.111	111%	0.096	96%	14%	0-20%	70-130

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	0.100	0.111	111%	75-125

Surrogate Recovery	ACP%	ACP%	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	170330-89	170330-90	170330-91	170330-92	170330-93	170330-94	
Tetra-chloro-meta-xylene	50-150	109%	117%	101%	113%	101%	100%	68%	
Decachlorobipneyl	50-150	76%	82%	71%	87%	79%	79%	75%	

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	170330-95	170330-96	170330-97	170330-98	170330-99	170330-100	170330-101	170330-102	
Tetra-chloro-meta-xylene	95%	98%	93%	97%	114%	88%	106%	88%	
Decachlorobipneyl	65%	73%	82%	50%	89%	61%	76%	69%	

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	170330-103	170330-104	170330-105	170330-106	170330-107	170330-108
Tetra-chloro-meta-xylene	0*	99%	91%	97%	87%	91%
Decachlorobipneyl	73%	78%	78%	83%	65%	52%

S.R. = Sample Result

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

spk conc = Spike Concentration

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

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

Analyzed and Reviewed By: 

Final Reviewer: 

Enviro-Chem, Inc.

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EPA 8082 QA/QC Report

Matrix: **Soil/Solid/Sludge**

Date Analyzed: 4/1/2017

Unit: mg/Kg(PPM)

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

Spiked Sample Lab I.D.: 170401-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%	0.102	102%	5%	0-20%	70-130

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	0.100	0.096	96%	75-125

Surrogate Recovery	ACP%	ACP%	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	170330-109	170330-110	170330-111	170330-112	170330-113		
Tetra-chloro-meta-xylene	50-150	112%	110%	94%	98%	110%	116%		
Decachlorobipneyl	50-150	59%	67%	52%	56%	60%	67%		

Surrogate Recovery	%REC	%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

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

spk conc = Spike Concentration

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

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

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
 Same Day
 24 Hours
 48 Hours
 72 Hours
 15 Days (Standard)
 Other: _____

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required		COMMENTS	Misc./PO#
								Bulk	Ice		
01-0329	170330-19	3/29/17	1636	Bulk				X			
02-0329	-50		1641					X			
03-0329	-51		1648					X			
04-0329	-52		1634					X			
05-0329	-53		1702					X			
06-0329	-54		1708					X			
07-0329	-55		1714					X			
08-0329	-56		1719					X			
09-0329	-57		1723					X			
10-0329	-58		1729					X			
11-0329	-59		1733					X			
12-0329	-60		1734					X			
13-0329	-61		1743					X			
14-0329	-62		1748					X			
15-0329	-63		1754					X			

Company Name: Alta Environmental
 Project Contact: Cesar Ruvalcaba
 Sampler's Signature: *[Signature]*
 Project Name/ID: Malibu High Bldg A, BIC

Address: 3777 Long Beach Blvd., Annex Bldg.
 City/State/Zip: Long Beach, California 90807
 Tel: 562-495-5777
 Fax: *[Signature]*

Received by: *[Signature]* Date & Time: 3/30/17 11:34 AM
 Received by: _____ Date & Time: _____
 Received by: _____ Date & Time: _____

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

CHAIN OF CUSTODY RECORD

Date: 3/29/17

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
 Same Day
 24 Hours
 48 Hours
 72 Hours
 Next Business Day (Standard)



SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required		COMMENTS	Misc./PO#
16-0329	170320-64	3/29/17	1739	Bulk			Ice	X			
17-0329	-65		1803					X			
18-0329	-66		1812					X			
19-0329	-67		1819					X			
20-0329	-68		1925					X			
21-0329	-69		1829					X			
22-0329	-70		1834					X			
23-0329	-71		1841					X			
24-0329	-72		1847					X			
25-0329	-73		1850					X			
26-0329	-74		1854					X			
27-0329	-75		1748					X			
28-0329	-76		1859					X			
29-0329	-77		1905					X			
30-0329	-78							X			

Company Name: Alta Environmental
 Address: 3777 Long Beach Blvd., Annex Bldg.
 City/State/Zip: Long Beach, California 90807
 Project Contact: Cesar Ruvalcaba
 Tel: 562-495-5777
 Fax:
 Sampler's Signature: *Fabian Ruvalcaba*
 Project Name/ID: Malibu High Bldg A, BIC

Received by: *[Signature]* Date & Time: 3/30/2017 11:31 AM
 Relinquished by: *[Signature]* Date & Time:
 Relinquished by: *[Signature]* Date & Time:

CHAIN OF CUSTODY RECORD

Date: 3/29/17

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
 Same Day
 24 Hours
 48 Hours
 72 Hours
 1 Week (Standard)
 Other: _____

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required		Misc./PO#
31-0329	780-79	3/29/17	1909	Bulk			Ice	X		
32-0329	80		1914					X		
33-0329	81		2000					X		
34-0329	82		2000					X		
35-0329	83		2003					X		
36-0329	84		2009					X		
37-0329	85		2013					X		
38-0329	86		2018					X		
39-0329	87		2021					X		
40-0329	88		2029					X		
41-0329	89		2033					X		
42-0329	90		2039					X		
43-0329	91		2042					X		
44-0329	92		2047					X		
45-0329	93		2053					X		

Company Name: Alta Environmental
 Address: 3777 Long Beach Blvd., Annex Bldg.
 City/State/Zip: Long Beach, California 90807
 Project Contact: Cesar Ruvalcaba
 Tel: 562-495-5777
 Fax: _____
 Sampler's Signature: *Fabian Ruvalcaba*
 Project Name/ID: Malibu High Bldg A, B/C

Received by: _____
 Relinquished by: _____
 Relinquished by: _____

Date: 3/29/17
 Date & Time: 3:29 PM
 Date & Time: _____
 Date & Time: _____

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

CHAIN OF CUSTODY RECORD

Four wipe samples listed in Table 17 exceeded the US EPA criterion of 10 ug/100 cm². These samples were collected in the Library, Room 1, Room 5, and Room 301.

6.3 BULK SAMPLING METHODS AND RESULTS

Bulk samples of window caulk and paint were collected from the locations listed in Table 18.

Collected air samples were sent to Frontier Analytical Laboratory, a NELAP accredited laboratory. The samples were extracted and analyzed by USEPA Method 1668C for all 209 PCB congeners. The results are summarized in Table 18 with concentrations listed in ppm. Field data sheets, laboratory reports, COC records are included in Appendix D.

**TABLE 18. MMS
PCB BULK SAMPLE SUMMARY - NOVEMBER 6, 2013**

SAMPLE NO.	LOCATION	COMPONENT	COLOR	SURFACE TYPE	CONDITION	PICOGRAMS	CONC. (ppm)
B-1A	Library	Window Caulk	Gray	Rubbery	Good	1,870,000,000	1,870.00
B-2A	Blue Bldg., Room 1	Window Caulk	Silver	Rubbery	Good	164,000,000	164.00
B-3A	Blue Bldg., Room 2	Window Caulk	Silver	Rubbery	Good	6,330,000	6.33
B-4A	Blue Bldg., Room 5	Window Caulk	Silver	Rubbery	Good	98,700,000	98.70
B-5A	Blue Bldg., Room 8	Window Caulk	Silver	Rubbery	Good	52,800,000	52.80
B-6A	Blue Bldg., Room 9	Window Caulk	Silver	Rubbery	Good	19,900,000	19.90
B-7A	Mako Bldg., Room 103	Window Caulk	Gray	Not Listed	Good	6,690,000	6.69
B-8A	Mako Bldg., Room 104	Window Caulk	Gray	Not Listed	Good	7,150,000	7.15
B-9A	Mako Bldg., Room 106	Window Caulk	Black	Rubbery	Good	1,190,000	1.19
B-10A	Thresher Bldg., Room 301	Window Caulk	Clear	Rubbery	Good	9,160,000	9.16
B-1B	Library	Interior Wall Paint	Beige & Tan	Plaster	Good	15,200,000	15.20
B-2B	Blue Bldg., Room 1	Interior Wall Paint	Beige	Plaster	Good	32,300,000	32.30
B-3B	Blue Bldg., Room 2	Interior Wall Paint	Beige & Tan	Plaster	Good	7,270,000	7.27

EPA Modified Method 1668
PCBs



FAL ID: 8162-001-SA
Client ID: SM20131106-B-1A
Matrix: Solid
Batch No: X2970

Date Extracted: 11-12-2013
Date Received: 11-07-2013
Amount: 0.52 g
% Solids: 100.00

ICal: DAILY209FAL4-11-15-13
GC Column: DB1
Units: pg/g

Acquired: 11-15-2013
Total Conc: 1870000000

Page 1 of 3

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	2550	-	J		PCB-51	491000	-		
PCB-2	1260	-	J		PCB-52	213000000	-	C	69
PCB-3	4280	-	J		PCB-53	4070000	-		
PCB-4	14000	-			PCB-54	8390	-		
PCB-5	14700	-			PCB-55	1320000	-		
PCB-6	41100	-			PCB-56	18700000	-	C	60
PCB-7	5660	-	J		PCB-57	106000	-		
PCB-8	234000	-			PCB-58	30200	-		
PCB-9	8910	-			PCB-59	-	-	C042	42
PCB-10	1500	-	J		PCB-60	-	-	C056	56
PCB-11	27100	-	B		PCB-61	134000000	-	C	70
PCB-12	39900	-			PCB-62	ND	521		
PCB-13	76100	-			PCB-63	1430000	-		
PCB-14	ND	419			PCB-64	-	-	C041	41/71/72
PCB-15	605000	-			PCB-65	ND	486		
PCB-16	985000	-			PCB-66	41300000	-	C	76
PCB-17	686000	-			PCB-67	279000	-		
PCB-18	2120000	-			PCB-68	61400	-		
PCB-19	46400	-			PCB-69	-	-	C052	52
PCB-20	4820000	-	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	3070000	-			PCB-72	-	-	C041	41/64/71
PCB-23	7810	-			PCB-73	163000	-		
PCB-24	20600	-			PCB-74	22200000	-		
PCB-25	449000	-			PCB-75	-	-	C048	48
PCB-26	1000000	-			PCB-76	-	-	C066	66
PCB-27	150000	-			PCB-77	315000	-		
PCB-28	5400000	-			PCB-78	353000	-		
PCB-29	45900	-			PCB-79	1320000	-		
PCB-30	ND	160			PCB-80	ND	388		
PCB-31	8940000	-			PCB-81	2540000	-		
PCB-32	844000	-			PCB-82	14300000	-		
PCB-33	-	-	C020	20/21	PCB-83	6660000	-	C	112
PCB-34	15600	-			PCB-84	101000000	-	C	92
PCB-35	114000	-			PCB-85	18800000	-	C	116
PCB-36	5000	-	J		PCB-86	363000	-		
PCB-37	1710000	-			PCB-87	69200000	-	C	117/125
PCB-38	135000	-			PCB-88	37300000	-	C	91
PCB-39	5630	-	J		PCB-89	1230000	-		
PCB-40	5390000	-			PCB-90	216000000	-	C	101
PCB-41	37100000	-	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	6020000	-	C	59	PCB-92	-	-	C084	84
PCB-43	43900000	-	C	49	PCB-93	ND	1620		
PCB-44	77600000	-			PCB-94	1050000	-		
PCB-45	2000000	-			PCB-95	34400000	-		
PCB-46	944000	-			PCB-96	1680000	-		
PCB-47	5260000	-			PCB-97	51700000	-		
PCB-48	3610000	-	C	75	PCB-98	ND	1400	C	102
PCB-49	-	-	C043	43	PCB-99	73800000	-		
PCB-50	14700	-			PCB-100	454000	-		

EPA Modified Method 1668
PCBs



FAL ID: 8162-001-SA
Client ID: SM20131106-B-1A
Matrix: Solid
Batch No: X2970

Date Extracted: 11-12-2013
Date Received: 11-07-2013
Amount: 0.52 g
% Solids: 100.00

ICal: DAILY209FAL4-11-15-13
GC Column: DB1
Units: pg/g

Acquired: 11-15-2013

Page 2 of 3

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-101	-	-	C090	90	PCB-151	18800000	-		
PCB-102	-	-	C098	98	PCB-152	228000	-		
PCB-103	1240000	-			PCB-153	47900000	-		
PCB-104	4630	-	J		PCB-154	797000	-		
PCB-105	25800000	-			PCB-155	ND	1000		
PCB-106	74800000	-	C	118	PCB-156	2590000	-		
PCB-107	5700000	-	C	108	PCB-157	541000	-		
PCB-108	-	-	C107	107	PCB-158	6940000	-	C	160
PCB-109	25900	-			PCB-159	109000	-		
PCB-110	121000000	-			PCB-160	-	-	C158	158
PCB-111	4000000	-	C	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	161000	-			PCB-163	-	-	C138	138/164
PCB-114	2320000	-			PCB-164	-	-	C138	138/163
PCB-115	-	-	C111	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	313000	-		
PCB-117	-	-	C087	87/125	PCB-167	1230000	-		
PCB-118	-	-	C106	106	PCB-168	76000	-		
PCB-119	1930000	-			PCB-169	ND	922		
PCB-120	186000	-			PCB-170	1180000	-		
PCB-121	ND	1250			PCB-171	842000	-		
PCB-122	855000	-			PCB-172	255000	-		
PCB-123	1250000	-			PCB-173	98800	-		
PCB-124	4400000	-			PCB-174	2360000	-		
PCB-125	-	-	C087	87/117	PCB-175	155000	-		
PCB-126	157000	-			PCB-176	826000	-		
PCB-127	52400	-			PCB-177	1380000	-		
PCB-128	7170000	-	C	162	PCB-178	518000	-		
PCB-129	3240000	-			PCB-179	2060000	-		
PCB-130	3660000	-			PCB-180	2250000	-		
PCB-131	3040000	-	C	133	PCB-181	106000	-		
PCB-132	29000000	-	C	161	PCB-182	2400000	-	C	187
PCB-133	-	-	C131	131	PCB-183	1680000	-		
PCB-134	6950000	-	C	143	PCB-184	11200	-		
PCB-135	14000000	-			PCB-185	228000	-		
PCB-136	19800000	-			PCB-186	4500	-	J	
PCB-137	5040000	-			PCB-187	-	-	C182	182
PCB-138	44800000	-	C	163/164	PCB-188	8130	-		
PCB-139	79500000	-	C	149	PCB-189	17600	-		
PCB-140	430000	-			PCB-190	190000	-		
PCB-141	10800000	-			PCB-191	62000	-		
PCB-142	35700	-			PCB-192	ND	1290		
PCB-143	-	-	C134	134	PCB-193	95200	-		
PCB-144	6290000	-			PCB-194	29100	-		
PCB-145	94900	-			PCB-195	28500	-		
PCB-146	7530000	-	C	165	PCB-196	105000	-	C	203
PCB-147	3010000	-			PCB-197	13400	-		
PCB-148	13700	-			PCB-198	5920	-	J	
PCB-149	-	-	C139	139	PCB-199	108000	-		
PCB-150	202000	-			PCB-200	29200	-		

EPA Modified Method 1668
PCBs



FAL ID: 8162-001-SA
Client ID: SM20131106-B-1A
Matrix: Solid
Batch No: X2970

Date Extracted: 11-12-2013
Date Received: 11-07-2013
Amount: 0.52 g
% Solids: 100.00

ICal: DAILY209FAL4-11-15-13
GC Column: DB1
Units: pg/g

Acquired: 11-15-2013

Page 3 of 3

Compound	Conc	DL	Qual	Coeluters
PCB-201	45100	-		
PCB-202	45100	-		
PCB-203	-	-	C196	196
PCB-204	ND	352		
PCB-205	1000	-	J	
PCB-206	2140	-	J	
PCB-207	1630	-	J	
PCB-208	2260	-	J	
PCB-209	984	-	J	

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	93.0	5.00 - 145	
13C-PCB-3	85.3	5.00 - 145	
13C-PCB-4	91.7	5.00 - 145	
13C-PCB-15	88.8	5.00 - 145	
13C-PCB-19	101	5.00 - 145	
13C-PCB-37	64.4	5.00 - 145	
13C-PCB-54	51.0	5.00 - 145	
13C-PCB-77	72.3	10.0 - 145	
13C-PCB-81	82.4	10.0 - 145	
13C-PCB-104	52.9	10.0 - 145	
13C-PCB-105	99.7	10.0 - 145	
13C-PCB-114	90.3	10.0 - 145	
13C-PCB-118	127	10.0 - 145	
13C-PCB-123	100	10.0 - 145	
13C-PCB-126	82.8	10.0 - 145	
13C-PCB-155	74.0	10.0 - 145	
13C-PCB-156	86.3	10.0 - 145	
13C-PCB-157	85.3	10.0 - 145	
13C-PCB-167	86.9	10.0 - 145	
13C-PCB-169	90.0	10.0 - 145	
13C-PCB-188	86.5	10.0 - 145	
13C-PCB-189	92.4	10.0 - 145	
13C-PCB-202	84.3	10.0 - 145	
13C-PCB-205	95.7	10.0 - 145	
13C-PCB-206	86.3	10.0 - 145	
13C-PCB-208	89.0	10.0 - 145	
13C-PCB-209	80.5	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	63.0	5.00 - 145	
13C-PCB-111	82.7	10.0 - 145	
13C-PCB-178	88.4	10.0 - 145	

- A Isotopic Labeled Standard outside QC range but signal to noise ratio is >10:1
- B Analyte is present in Method Blank
- C Coelution
- D Presence of Diphenyl Ethers
- DNQ Analyte concentration is below calibration range
- E Analyte concentration is above calibration range
- F Analyte confirmation on secondary column
- J Analyte concentration is below calibration range
- M Maximum possible concentration
- ND Analyte Not Detected at Detection Limit Level
- NP Not Provided
- P Pre-filtered through a Whatman 0.7um GF/F filter
- S Sample acceptance criteria not met
- X Matrix interferences
- * Result taken from dilution or reinjection

Analyst: 

Date: 11/20/2013

Reviewed By: 

Date: 11/20/2013

EPA Modified Method 1668
PCBs



FAL ID: 8162-002-SA
Client ID: SM20131106-B-1B
Matrix: Solid
Batch No: X2970

Date Extracted: 11-12-2013
Date Received: 11-07-2013
Amount: 0.98 g
% Solids: 97.14

ICal: DAILY209FAL4-11-15-13
GC Column: DB1
Units: pg/g

Acquired: 11-15-2013
Total Conc: 15200000

Page 1 of 3

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-1	1820	-			PCB-51	8380	-		
PCB-2	425	-			PCB-52	1030000	-	C	69
PCB-3	1920	-			PCB-53	46900	-		
PCB-4	11300	-			PCB-54	261	-		
PCB-5	1470	-			PCB-55	10900	-		
PCB-6	6700	-			PCB-56	264000	-	C	60
PCB-7	1230	-			PCB-57	1500	-		
PCB-8	32400	-			PCB-58	539	-		
PCB-9	2220	-			PCB-59	-	-	C042	42
PCB-10	486	-			PCB-60	-	-	C056	56
PCB-11	7600	-	B		PCB-61	796000	-	C	70
PCB-12	1160	-			PCB-62	ND	8.31		
PCB-13	2700	-			PCB-63	12200	-		
PCB-14	ND	7.30			PCB-64	-	-	C041	41/71/72
PCB-15	13300	-			PCB-65	ND	7.75		
PCB-16	47900	-			PCB-66	326000	-	C	76
PCB-17	44600	-			PCB-67	8200	-		
PCB-18	136000	-			PCB-68	979	-		
PCB-19	6610	-			PCB-69	-	-	C052	52
PCB-20	135000	-	C	21/33	PCB-70	-	-	C061	61
PCB-21	-	-	C020	20/33	PCB-71	-	-	C041	41/64/72
PCB-22	75900	-			PCB-72	-	-	C041	41/64/71
PCB-23	197	-			PCB-73	2880	-		
PCB-24	1340	-			PCB-74	153000	-		
PCB-25	10300	-			PCB-75	-	-	C048	48
PCB-26	29900	-			PCB-76	-	-	C066	66
PCB-27	7060	-			PCB-77	40000	-		
PCB-28	138000	-			PCB-78	3350	-		
PCB-29	1190	-			PCB-79	10200	-		
PCB-30	ND	4.20			PCB-80	ND	6.18		
PCB-31	211000	-			PCB-81	20300	-		
PCB-32	33300	-			PCB-82	152000	-		
PCB-33	-	-	C020	20/21	PCB-83	46700	-	C	112
PCB-34	535	-			PCB-84	558000	-	C	92
PCB-35	4520	-			PCB-85	172000	-	C	116
PCB-36	115	-			PCB-86	3450	-		
PCB-37	46300	-			PCB-87	496000	-	C	117/125
PCB-38	2420	-			PCB-88	182000	-	C	91
PCB-39	231	-			PCB-89	11200	-		
PCB-40	53900	-			PCB-90	1250000	-	C	101
PCB-41	286000	-	C	64/71/72	PCB-91	-	-	C088	88
PCB-42	66300	-	C	59	PCB-92	-	-	C084	84
PCB-43	287000	-	C	49	PCB-93	ND	8.17		
PCB-44	435000	-			PCB-94	5390	-		
PCB-45	29900	-			PCB-95	1240000	-		
PCB-46	14600	-			PCB-96	9430	-		
PCB-47	51800	-			PCB-97	371000	-		
PCB-48	44200	-	C	75	PCB-98	ND	7.05	C	102
PCB-49	-	-	C043	43	PCB-99	460000	-		
PCB-50	347	-			PCB-100	2390	-		

EPA Modified Method 1668
PCBs



FAL ID: 8162-002-SA
Client ID: SM20131106-B-1B
Matrix: Solid
Batch No: X2970

Date Extracted: 11-12-2013
Date Received: 11-07-2013
Amount: 0.98 g
% Solids: 97.14

ICal: DAILY209FAL4-11-15-13
GC Column: DB1
Units: pg/g

Acquired: 11-15-2013

Page 2 of 3

Compound	Conc	DL	Qual	Coeluters	Compound	Conc	DL	Qual	Coeluters
PCB-101	-	-	C090	90	PCB-151	94400	-		
PCB-102	-	-	C098	98	PCB-152	1120	-		
PCB-103	6020	-			PCB-153	429000	-		
PCB-104	ND	4.44			PCB-154	5810	-		
PCB-105	366000	-			PCB-155	ND	11.1		
PCB-106	976000	-	C	118	PCB-156	39200	-		
PCB-107	65400	-	C	108	PCB-157	10500	-		
PCB-108	-	-	C107	107	PCB-158	73000	-	C	160
PCB-109	264	-			PCB-159	146	-		
PCB-110	936000	-			PCB-160	-	-	C158	158
PCB-111	23200	-	C	115	PCB-161	-	-	C132	132
PCB-112	-	-	C083	83	PCB-162	-	-	C128	128
PCB-113	564	-			PCB-163	-	-	C138	138/164
PCB-114	23300	-			PCB-164	-	-	C138	138/163
PCB-115	-	-	C111	111	PCB-165	-	-	C146	146
PCB-116	-	-	C085	85	PCB-166	2710	-		
PCB-117	-	-	C087	87/125	PCB-167	16500	-		
PCB-118	-	-	C106	106	PCB-168	786	-		
PCB-119	14700	-			PCB-169	42.3	-		
PCB-120	1520	-			PCB-170	23900	-		
PCB-121	ND	6.33			PCB-171	11400	-		
PCB-122	11000	-			PCB-172	4620	-		
PCB-123	14400	-			PCB-173	976	-		
PCB-124	43400	-			PCB-174	33800	-		
PCB-125	-	-	C087	87/117	PCB-175	1870	-		
PCB-126	3390	-			PCB-176	6490	-		
PCB-127	465	-			PCB-177	20200	-		
PCB-128	97600	-	C	162	PCB-178	6400	-		
PCB-129	34500	-			PCB-179	16500	-		
PCB-130	44100	-			PCB-180	54800	-		
PCB-131	20700	-	C	133	PCB-181	766	-		
PCB-132	200000	-	C	161	PCB-182	39700	-	C	187
PCB-133	-	-	C131	131	PCB-183	22800	-		
PCB-134	40600	-	C	143	PCB-184	110	-		
PCB-135	80900	-			PCB-185	3700	-		
PCB-136	110000	-			PCB-186	35.7	-	J	
PCB-137	48000	-			PCB-187	-	-	C182	182
PCB-138	467000	-	C	163/164	PCB-188	57.7	-		
PCB-139	469000	-	C	149	PCB-189	446	-		
PCB-140	3320	-			PCB-190	4040	-		
PCB-141	96300	-			PCB-191	1120	-		
PCB-142	230	-			PCB-192	ND	13.7		
PCB-143	-	-	C134	134	PCB-193	2100	-		
PCB-144	28400	-			PCB-194	4050	-		
PCB-145	531	-			PCB-195	2420	-		
PCB-146	60400	-	C	165	PCB-196	8690	-	C	203
PCB-147	14700	-			PCB-197	432	-		
PCB-148	ND	21.7			PCB-198	536	-		
PCB-149	-	-	C139	139	PCB-199	8820	-		
PCB-150	1150	-			PCB-200	1340	-		

EPA Modified Method 1668
PCBs



FAL ID: 8162-002-SA
Client ID: SM20131106-B-1B
Matrix: Solid
Batch No: X2970

Date Extracted: 11-12-2013
Date Received: 11-07-2013
Amount: 0.98 g
% Solids: 97.14

ICal: DAILY209FAL4-11-15-13
GC Column: DB1
Units: pg/g

Acquired: 11-15-2013


Page 3 of 3


Compound	Conc	DL	Qual	Coeluters
PCB-201	1740	-		
PCB-202	1960	-		
PCB-203	-	-	C196	196
PCB-204	ND	13.9		
PCB-205	146	-		
PCB-206	1280	-		
PCB-207	481	-		
PCB-208	666	-		
PCB-209	683	-		

Internal Standards	% Rec	QC Limits	Qual
13C-PCB-1	85.6	5.00 - 145	
13C-PCB-3	81.9	5.00 - 145	
13C-PCB-4	85.0	5.00 - 145	
13C-PCB-15	91.5	5.00 - 145	
13C-PCB-19	76.4	5.00 - 145	
13C-PCB-37	77.2	5.00 - 145	
13C-PCB-54	89.4	5.00 - 145	
13C-PCB-77	99.6	10.0 - 145	
13C-PCB-81	101	10.0 - 145	
13C-PCB-104	88.8	10.0 - 145	
13C-PCB-105	91.4	10.0 - 145	
13C-PCB-114	92.1	10.0 - 145	
13C-PCB-118	88.8	10.0 - 145	
13C-PCB-123	94.4	10.0 - 145	
13C-PCB-126	88.1	10.0 - 145	
13C-PCB-155	74.9	10.0 - 145	
13C-PCB-156	91.3	10.0 - 145	
13C-PCB-157	88.8	10.0 - 145	
13C-PCB-167	93.6	10.0 - 145	
13C-PCB-169	84.8	10.0 - 145	
13C-PCB-188	85.2	10.0 - 145	
13C-PCB-189	77.2	10.0 - 145	
13C-PCB-202	83.6	10.0 - 145	
13C-PCB-205	86.6	10.0 - 145	
13C-PCB-206	87.3	10.0 - 145	
13C-PCB-208	90.7	10.0 - 145	
13C-PCB-209	85.0	10.0 - 145	

Cleanup Surrogates	% Rec	QC Limits	Qual
13C-PCB-28	76.3	5.00 - 145	
13C-PCB-111	85.8	10.0 - 145	
13C-PCB-178	85.2	10.0 - 145	

- A Isotopic Labeled Standard outside QC range but signal to noise ratio is >10:1
- B Analyte is present in Method Blank
- C Coelution
- D Presence of Diphenyl Ethers
- DNQ Analyte concentration is below calibration range
- E Analyte concentration is above calibration range
- F Analyte confirmation on secondary column
- J Analyte concentration is below calibration range
- M Maximum possible concentration
- ND Analyte Not Detected at Detection Limit Level
- NP Not Provided
- P Pre-filtered through a Whatman 0.7um GF/F filter
- S Sample acceptance criteria not met
- X Matrix interferences
- * Result taken from dilution or reinjection

Analyst: 
Date: 11/20/2013

Reviewed By: 
Date: 11/20/2013



Frontier Analytical Laboratory
5172 Hillside Circle
El Dorado Hills, CA 95762
Tel: 916-934-0900
Fax: 916-934-0999

FAL USE ONLY

Laboratory Project No.: 8162
Temperature: 0 °C

Chain of Custody
www.frontieranalytical.com

Please Print in Pen Page 1 of 2

CLIENT INFORMATION		INVOICE INFORMATION (if different from client info)		PROJECT INFORMATION	
Company Name: <u>Phylmar Group</u>		Company Name: <u>Same</u>		FAL Quote #: <u>2711A</u>	
Contact Name: <u>Mark Katchen</u>		Contact Name: _____		P.O. #: _____	
Address: <u>2342 Manning Ave., Los Angeles, CA 90064</u>		Address: _____		Project #: <u>325-001A</u>	
Phone: <u>310-474-3937</u>		Phone: _____		Project Name: <u>MULTI-COMPILE ANALYTICAL</u>	
Email: <u>mkatchen@phylmar.com</u>		Email: _____		TAT (business days): <input type="checkbox"/> 15 <input checked="" type="checkbox"/> 10 <input type="checkbox"/> 5 <input type="checkbox"/> 3* (✓ one)	
		Fax: _____		* FAL must agree with price and RUSH TAT in writing.	

REPORT INFORMATION		REPORT DISTRIBUTION (email only is preferred)		ADDITIONAL INSTRUCTIONS	
Report Level: <input type="checkbox"/> I/II <input type="checkbox"/> III <input type="checkbox"/> IV		<input type="checkbox"/> Hardcopy			
<input type="checkbox"/> EDD: <input type="checkbox"/> FAL Basic <input type="checkbox"/> Geotracker		<input type="checkbox"/> CD (.pdf including EDDs if requested)			
<input type="checkbox"/> Other: _____		<input checked="" type="checkbox"/> Email (.pdf including EDDs if requested)			
<input type="checkbox"/> California State Drinking Water Form					
System #: _____		Source #: _____			
Sampler: _____		Employer: _____			

Sample ID	Date Collected	Time	Matrix	# of containers	EPA 1613**	EPA 8290**	DLM 02.0	EPA 8280**	Appendix IX	EPA TO-9/A	EPA 23/2A	EPA 1668	FAL 15	Other	**CONGENERS			Remarks	
															2,3,7,8-TCDD only	1998 WHO	2,3,7,8-TCDD/F only		2005 WHO
1	Smz2131106-6-1A	11/13/13	Bulk	1															
2	B-1B		Paint																Area = 100 cm ²
3	B-2A		Bulk																
4	B-2B		Paint																Area = 100 cm ²
5	B-3A		Bulk																
6	B-3B		Paint																Area = 100 cm ²
7	B-4A		Bulk																
8	B-4B		Paint																Area = 100 cm ²
9	B-5A		Bulk																
10	B-5B		Paint																Area = 100 cm ²
11	B-6A		Bulk																
12	B-6B		Paint																Area = 100 cm ²
13	B-7A		Bulk																
14	B-7B		Paint																Area = 100 cm ²
15	B-8A		Bulk																Area = 100 cm ²

Samples will be disposed of 90 days after sample receipt unless other arrangements have been made and agreed upon in writing.

Relinquished by: (Signature and Printed Name)		Date		Time		Received by: (Signature and Printed Name)		Date		Time	
<u>Mark Katchen Phylmar</u>		<u>11/13/13</u>		<u>---</u>		<u>Kathy Zipp</u>		<u>11-7-13</u>		<u>845</u>	

Client understands that all terms described in the proposals, quotations, and/or the general terms provided in the current FAL price schedule will be followed. FAL reserves the rights to terminate its service or withhold delivery of reports, if in FAL's sole discretion the terms of the project have been broken.

Enviro - Chem, Inc.

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

Date: September 15, 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 B/C**
Lab I.D.: **170914-41**

Dear Mr. Ruvalcaba:

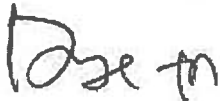
The **analytical results** for the solid sample, received by our laboratory on September 14, 2017, are attached. The sample was received intact, and accompanying chain of custody.

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 B/C
DATE RECEIVED: 09/14/17
DATE SAMPLED: 09/14/17 DATE EXTRACTED: 09/14-15/17
MATRIX: SOLID DATE ANALYZED: 09/15/17
REPORT TO: MR. CESAR RUVALCABA DATE REPORTED: 09/15/17

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
914-1	170914-41	ND	ND	ND	ND	ND	7.65	ND	7.65	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: [Signature]
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: 9/15/2017

Unit: mg/Kg(PPM)

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

Spiked Sample Lab I.D.: **170915-LCS1/2**

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
PCB (1016+1260)	0.000	0.100	0.079	79%	0.071	71%	11%	0-20%	70-130

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	0.100	0.120	120%	75-125

Surrogate Recovery	ACP%	ACP%	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	170914-41						
Tetra-chloro-meta-xylene	50-150	145%	121%						
Decachlorobipneyl	50-150	98%	128%						

Surrogate Recovery	%REC	%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

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

spk conc = Spike Concentration

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

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

Analyzed and Reviewed By: _____

Final Reviewer: _____

Enviro - Chem, Inc.

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

Date: June 20, 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 A**
Lab I.D.: **170619-31, -32**

Dear Mr. Ruvalcaba:

The **analytical results** for the wipe samples, received by our laboratory on June 19, 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 A**

DATE SAMPLED: 06/19/17

MATRIX: WIPES

REPORT TO: MR. CESAR RUVALCABA

DATE RECEIVED: 06/19/17

DATE EXTRACTED: 06/19/17

DATE ANALYZED: 06/19/17

DATE REPORTED: 06/20/17

EPA 8082 FOR PCBs

UNITS: $\mu\text{G}/100\text{CM}^2$ = MICROGRAM PER 100 SQUARE CENTIMETERS

SAMPLE I.D.	LABORATORY I.D.	PCB- 1016	PCB- 1221	PCB- 1232	PCB- 1242	PCB- 1248	PCB- 1254	PCB- 1260	TOTAL PCBs*	DF
<u>1</u>	<u>170619-31</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>1</u>
<u>2</u>	<u>170619-32</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>1</u>
<u>Method Blank</u>		<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>1</u>
	PQL	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	

COMMENTS:

PQL = Practical Quantitation Limit

DF = Dilution Factor

Actual Detection Limit = PQL X DF

ND = Non-Detected or Below the Actual Detection Limit

* = Sum of the PCB 1016, 1221, 1232, 1242, 1248, 1254 and 1260

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

QA/QC Report

Analysis: EPA 8082 (PCB)

Matrix: **Wipe**

Date Analyzed: **6/19/2017**

Unit: **ug / Wipe**

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

Spiked Sample Lab I.D.: **170619-LCS1/2**

Analyte	spk conc	MS	%REC	MSD	%REC	%RPD	ACP % RPD	ACP %REC
PCB (1016+1260)	20.0	14.9	75%	14.6	73%	2%	0-20%	70-130

LCS STD RECOVERY:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	20.0	19.4	97%	75-125

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

Analyzed and Reviewed By: 

Final Reviewer:  _____

Enviro - Chem, Inc.

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

Date: June 26, 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, A Basement 1**
Lab I.D.: **170623-71, -72, -73**

Dear Mr. Ruvalcaba:

The **analytical results** for the wipe samples, received by our laboratory on June 23, 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., A Basement 1**

DATE SAMPLED: 06/23/17

DATE RECEIVED: 06/23/17

DATE EXTRACTED: 06/23/17

MATRIX: WIPES

DATE ANALYZED: 06/23/17

REPORT TO: MR. CESAR RUVALCABA

DATE REPORTED: 06/26/17

EPA 8082 FOR PCBs

UNITS: $\mu\text{G}/100\text{CM}^2 = \text{MICROGRAM PER 100 SQUARE CENTIMETERS}$

SAMPLE I.D.	LABORATORY I.D.	PCB- 1016	PCB- 1221	PCB- 1232	PCB- 1242	PCB- 1248	PCB- 1254	PCB- 1260	TOTAL PCBs*	DF
<u>623-M1</u>	<u>170623-71</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>32.3</u>	<u>ND</u>	<u>32.3</u>	<u>1</u>
<u>623-M2</u>	<u>170623-72</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>1</u>
<u>623-M3</u>	<u>170623-73</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>1</u>
<u>Method Blank</u>		<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>1</u>

PQL 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0

COMMENTS:

PQL = Practical Quantitation Limit

DF = Dilution Factor

Actual Detection Limit = PQL X DF

ND = Non-Detected or Below the Actual Detection Limit

* = Sum of the PCB 1016, 1221, 1232, 1242, 1248, 1254 and 1260

Data Reviewed and Approved by: *[Signature]*

CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro-Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766

Tel (909)590-5905 Fax (909)590-5907

QA/QC Report

Analysis: EPA 8082 (PCB)

Matrix: **Wipe**

Date Analyzed: **6/23/2017**

Unit: **ug / Wipe**

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

Spiked Sample Lab I.D.: 170623-LCS1/2

Analyte	spk conc	MS	%REC	MSD	%REC	%RPD	ACP % RPD	ACP %REC
PCB (1016+1260)	20.0	16.7	83%	17.2	86%	3%	0-20%	70-130

LCS STD RECOVERY:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	20.0	19.8	99%	75-125

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

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
 48 Hours
 0 72 Hours
 0 1 Week (Standard)
 Other:

Misc./PO#
 Malibu H.S.
 Bldg A
 Basement 1

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required				COMMENTS				
								Basement	Hallway	Center floor	Room 2					
023-M1	170623-71	6/23/17	1100	wipe	1		ice	X								
023-M2	- 92	↓	↓	↓	1		↓	X								Basement south Center window 11/10cm ²
023-M3	- 93	↓	↓	↓	1		↓	X								Field blank 100cm ²
					202											

Company Name: ALTA Environmental
 Project Contact: Cesar Ruvalcaba
 Address: 3777 Long Beach Blvd, Annex Bldg
 City/State/Zip: Long Beach, CA 90807
 Sampler's Signature: Cesar Ruvalcaba, Jorge Robles
 Project Name/ID: Malibu H.S. Bldg. A Basement 1
 Tel: 562-495-5777
 Fax:
 Received by: [Signature]
 Relinquished by: Jorge Robles 6/23/17 5:02
 Relinquished by:
 Relinquished by:
 Date & Time: 6/23/2017 5:33 PM
 Date & Time:
 Date & Time:
 Instructions for Sample Storage After Analysis:
 Dispose of Return to Client Store (30 Days)
 Other:

CHAIN OF CUSTODY RECORD
 WHITE WITH SAMPLE • YELLOW TO CLIENT
 Date: 6/23/17
 Page 1 of 1

Enviro - Chem, Inc.

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

Date: June 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. A Bottom Floor**
Lab I.D.: **170627-38, -39**

Dear Mr. Ruvalcaba:

The **analytical results** for the wipe samples, received by our laboratory on June 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

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. A Bottom Floor**

DATE SAMPLED: 06/27/17 DATE RECEIVED: 06/27/17
 MATRIX: WIPES DATE EXTRACTED: 06/27/17
 REPORT TO: MR. CESAR RUVALCABA DATE ANALYZED: 06/27/17
 DATE REPORTED: 06/28/17

EPA 8082 FOR PCBs
 UNITS: $\mu\text{G}/100\text{CM}^2 = \text{MICROGRAM PER 100 SQUARE CENTIMETERS}$

SAMPLE I.D.	LABORATORY I.D.	PCB- 1016	PCB- 1221	PCB- 1232	PCB- 1242	PCB- 1248	PCB- 1254	PCB- 1260	TOTAL PCBs*	DF
<u>627-1 Rm 822</u>	<u>170627-38</u>	ND	ND	ND	ND	ND	7.16	ND	<u>7.16</u>	<u>1</u>
<u>627-2</u>										
<u>Field Blank</u>	<u>170627-39</u>	ND	ND	ND	ND	ND	ND	ND	ND	<u>1</u>
<u>Method Blank</u>		ND	ND	ND	ND	ND	ND	ND	ND	<u>1</u>
	PQL	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	

COMMENTS:

PQL = Practical Quantitation Limit

DF = Dilution Factor

Actual Detection Limit = PQL X DF

ND = Non-Detected or Below the Actual Detection Limit

* = Sum of the PCB 1016, 1221, 1232, 1242, 1248, 1254 and 1260

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

QA/QC Report

Analysis: EPA 8082 (PCB)

Matrix: **Wipe**

Date Analyzed: **6/27/2017**

Unit: **ug / Wipe**

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

Spiked Sample Lab I.D.: 170627-LCS1/2

Analyte	spk conc	MS	%REC	MSD	%REC	%RPD	ACP % RPD	ACP %REC
PCB (1016+1260)	20.0	19.0	95%	19.6	98%	3%	0-20%	70-130

LCS STD RECOVERY:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	20.0	21.4	107%	75-125

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

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

MATRIX	NO. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required	COMMENTS	Misc./PO#
Wipe	1	Ice	Ice	X	100CM ² Floor	EPA 8082
Wipe	1	Ice	Ice	X	Blank	

Company Name: Alta Environmental
 Project Contact: Cesar Rivalcoba
 Address: 3117 Long Beach Blvd, Annex Bldg
 City/State/Zip: Long Beach, California 90807
 Tel: 562-495-5177
 Fax: Jessa R
 Date & Time: 6/27/17 1315
 Relinquished by: Tyler Felty
 Relinquished by:
 Relinquished by:

Sampler's Signature: Tyler Felty
 Project Name/ID: Malibu H-3 A Bottom Floor
 Instructions for Sample Storage After Analysis:
 Dispose of Return to Client Store (30 Days)
 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: July 5, 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 A**
Lab I.D.: **170705-5**

Dear Mr. Ruvalcaba:

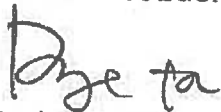
The **analytical results** for the wipe sample, received by our laboratory on July 5, 2017, are attached. The sample was received intact, and accompanying chain of custody.

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 A

DATE SAMPLED: 07/05/17

DATE RECEIVED: 07/05/17

MATRIX: WIPE

DATE EXTRACTED: 07/05/17

REPORT TO: MR. CESAR RUVALCABA

DATE ANALYZED: 07/05/17

DATE REPORTED: 07/05/17

EPA 8082 FOR PCBs

UNITS: $\mu\text{G}/100\text{CM}^2$ = MICROGRAM PER 100 SQUARE CENTIMETERS

SAMPLE I.D.	LABORATORY I.D.	PCB- 1016	PCB- 1221	PCB- 1232	PCB- 1242	PCB- 1248	PCB- 1254	PCB- 1260	TOTAL PCBs*	DF
705-2	170705-5	ND	ND	ND	ND	ND	6.53	ND	6.53	1
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1
	PQL	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	

COMMENTS:


PQL = Practical Quantitation Limit

DF = Dilution Factor

Actual Detection Limit = PQL X DF

ND = Non-Detected or Below the Actual Detection Limit

* = Sum of the PCB 1016, 1221, 1232, 1242, 1248, 1254 and 1260

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

Date: July 10, 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. / Building A Basement**
Lab I.D.: **170707-48, -49**

Dear Mr. Ruvalcaba:

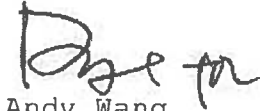
The **analytical results** for the solid samples, received by our laboratory on July 7, 2017, are attached. The samples were received intact, and accompanying chain of custody.

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. / Building A Basement

DATE SAMPLED: 07/07/17 DATE RECEIVED: 07/07/17
MATRIX: SOLID DATE EXTRACTED: 07/07-10/17
REPORT TO: MR. CESAR RUVALCABA DATE ANALYZED: 07/10/17
DATE REPORTED: 07/10/17

PCBs ANALYSIS

METHOD: EPA 3540C/8082

UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

Table with columns: SAMPLE I.D., LAB I.D., PCB-1016, PCB-1221, PCB-1232, PCB-1242, PCB-1248, PCB-1254, PCB-1260, TOTAL PCBs*, DF. Rows include samples 77-1, 77-2, and Method Blank, along with PQL values.

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: [Signature]
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: 7/10/2017

Unit: mg/Kg(PPM)

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

Spiked Sample Lab I.D.: 170710-LCS1/2

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
PCB (1016+1260)	0.000	0.100	0.104	104%	0.096	96%	8%	0-20%	70-130

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	0.100	0.099	99%	75-125

Surrogate Recovery	ACP%	ACP%	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	170707-48	170707-49					
Tetra-chloro-meta-xylene	50-150	112%	98%	109%					
Decachlorobipneyl	50-150	91%	75%	76%					

Surrogate Recovery	%REC	%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

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

spk conc = Spike Concentration

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

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

Analyzed and Reviewed By: 

Final Reviewer: _____

Enviro - Chem, Inc.

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

Date: August 2, 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 A**
Lab I.D.: **170801-50 through -54**

Dear Mr. Ruvalcaba:


The **analytical results** for the wipe samples, received by our laboratory on August 1, 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 A**

DATE SAMPLED: 08/01/17

MATRIX: WIPE

REPORT TO: MR. CESAR RUVALCABA

DATE RECEIVED: 08/01/17

DATE EXTRACTED: 08/01/17

DATE ANALYZED: 08/01/17

DATE REPORTED: 08/02/17

EPA 8082 FOR PCBs

UNITS: ug/100CM² = MICROGRAM PER 100 SQUARE CENTIMETERS

SAMPLE I.D.	LABORATORY I.D.	PCB- 1016	PCB- 1221	PCB- 1232	PCB- 1242	PCB- 1248	PCB- 1254	PCB- 1260	TOTAL PCBs*	DF
80117-1	170801-50	ND	ND	ND	ND	ND	1.47	ND	1.47	1
80117-2	170801-51	ND	ND	ND	ND	ND	1.86	ND	1.86	1
80117-3	170801-52	ND	ND	ND	ND	ND	ND	ND	ND	1
80117-4	170801-53	ND	ND	ND	ND	ND	7.62	ND	7.62	1
80117-5	170801-54	ND	ND	ND	ND	ND	3.08	ND	3.08	1
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1
PQL		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	

COMMENTS:

PQL = Practical Quantitation Limit

DF = Dilution Factor

Actual Detection Limit = PQL X DF

ND = Non-Detected or Below the Actual Detection Limit

* = Sum of the PCB 1016, 1221, 1232, 1242, 1248, 1254 and 1260

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

QA/QC Report

Analysis: EPA 8082 (PCB)

Matrix: **Wipe**

Date Analyzed: **8/1-2/2017**

Unit: **ug / Wipe**

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

Spiked Sample Lab I.D.: **170801-LCS1/2**

Analyte	spk conc	MS	%REC	MSD	%REC	%RPD	ACP % RPD	ACP %REC
PCB (1016+1260)	20.0	14.6	73%	15.2	76%	4%	0-20%	70-130

LCS STD RECOVERY:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	20.0	16.9	85%	75-125

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

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

RUSH

EPA 8080		MISC./PO#	
MATRIX	NO. OF CONTAINERS	TEMPERATURE	PRESERVATION

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	Analysis Required		COMMENTS
80117-1	17080 / -50	08/01	12:15	vipe	1	100CM Floor
80117-2	-51	08/01	12:15		1	
80117-3	-52	08/01	12:15		1	
80117-4	-53	08/01	12:15		1	
80117-5	-54	08/01	12:15		1	

Company Name: Alta Project Contact: Cesar Ruvolecaba Sampler's Signature: Tyler Felty

Address: 3777 Long Beach Blvd, Annex Bldg Tel: 562-495-5777 Project Name/ID: Malibu H.S. Bldg A

City/State/Zip: Long Beach, CA, 90807 Fax: _____

Relinquished by: Sybil Felty Received by: _____ Date & Time: 8/1/2017 6:30 PM

Relinquished by: _____ Received by: _____ Date & Time: _____

Relinquished by: _____ Received by: _____ Date & Time: _____

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

CHAIN OF CUSTODY RECORD

WHITE WITH SAMPLE - YELLOW TO CLIENT

Date: Aug 01, 2017

Enviro - Chem, Inc.

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

Date: July 26, 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 Bldg B**
Lab I.D.: **170725-19, -20, -21**

Dear Mr. Ruvalcaba:

The **analytical results** for the wipe samples, received by our laboratory on July 25, 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

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 B**

DATE RECEIVED: 07/25/17
 DATE SAMPLED: 07/25/17 DATE EXTRACTED: 07/25/17
 MATRIX: WIPE DATE ANALYZED: 07/26/17
 REPORT TO: MR. CESAR RUVALCABA DATE REPORTED: 07/26/17

EPA 8082 FOR PCBs

UNITS: $\mu\text{G}/100\text{CM}^2 = \text{MICROGRAM PER 100 SQUARE CENTIMETERS}$

SAMPLE I.D.	LABORATORY I.D.	PCB-1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260	TOTAL PCBs*	DF
<u>725-1</u>	<u>170725-19</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>58.7</u>	<u>ND</u>	<u>58.7</u>	<u>2</u>
<u>725-2</u>	<u>170725-20</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>1</u>
<u>725-3</u>	<u>170725-21</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>1</u>
<u>Method Blank</u>		<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>1</u>
	<u>PQL</u>	<u>1.0</u>	<u>1.0</u>	<u>1.0</u>	<u>1.0</u>	<u>1.0</u>	<u>1.0</u>	<u>1.0</u>	<u>1.0</u>	

COMMENTS:


PQL = Practical Quantitation Limit

DF = Dilution Factor

Actual Detection Limit = PQL X DF

ND = Non-Detected or Below the Actual Detection Limit

* = Sum of the PCB 1016, 1221, 1232, 1242, 1248, 1254 and 1260

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

QA/QC Report

Analysis: EPA 8082 (PCB)

Matrix: **Wipe**

Date Analyzed: **7/26/2017**

Unit: ug / Wipe

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

Spiked Sample Lab I.D.: **170725-LCS1/2**

Analyte	spk conc	MS	%REC	MSD	%REC	%RPD	ACP % RPD	ACP %REC
PCB (1016+1260)	20.0	16.0	80%	15.4	77%	4%	0-20%	70-130

LCS STD RECOVERY:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	20.0	16.2	81%	75-125

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

Analyzed and Reviewed By: 

Final Reviewer:  _____

Enviro – Chem, Inc.

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

Date: August 2, 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, Building B**
Lab I.D.: **170801-43 through -49**

Dear Mr. Ruvalcaba:

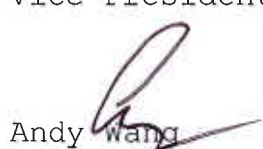
The **analytical results** for the solid samples, received by our laboratory on August 1, 2017, are attached. The sample was received intact, and accompanying chain of custody.

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

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, Building B**

DATE RECEIVED: 08/01/17
 DATE SAMPLED: 08/1/17 DATE EXTRACTED: 08/01-02/17
 MATRIX: SOLID DATE ANALYZED: 08/02/17
 REPORT TO: MR. CESAR RUVALCABA DATE REPORTED: 08/02/17

PCBs ANALYSIS

METHOD: EPA 3540C/8082

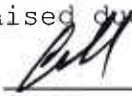
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	PCB-1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260	TOTAL PCBs*	DF
080117-1	170801-43	ND	ND	ND	ND	ND	ND	ND	ND	1
080117-2	170801-44	ND	ND	ND	ND	ND	12.5	ND	12.5	1
080117-3	170801-45	ND	ND	ND	ND	ND	6.07	ND	6.07	1
080117-4	170801-46	ND	ND	ND	ND	ND	11.2	ND	11.2	1
080117-6	170801-47	ND	ND	ND	ND	ND	3.45	ND	3.45	1
080117-7	170801-48	ND	ND	ND	ND	ND	ND	ND	ND	1
080117-8	170801-49	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. Laboratories
 1214 E. Lexington Avenue,
 Pomona, CA 91766
 Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

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

RUSH

Misc./PO#
SMSD-17-6684

EPA
3540C/
8082

MATRIX

NO. OF CONTAINERS

TEMPERATURE

PRESERVATION

Ice

Analysis Required

COMMENTS

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required	COMMENTS
080117-1	17081-43	08/01	1230	Core	1		Ice	X	*Special
080117-2	17081-44	08/01	1230		1			X	extraction
080117-3	17081-45	08/01	1230		1			X	
080117-4	17081-46	08/01	1230		1			X	
080117-6	17081-47	08/01	1230		1			X	
080117-7	17081-48	08/01	1230		1			X	
080117-8	17081-49	08/01	1230		1			X	

Company Name: Alta Environmental

Project Contact: Cesar Ruvalcaba

Project Name: Malibu High Building B

Project Name ID: Malibu High Building B

Sampler's Signature:

Address: 3777 Long Beach Blvd., Annex Bldg.

City/State/Zip: Long Beach, California 90807

Tel: 562-495-5777

Fax:

Received by:

Received by:

Received by:

Date & Time: 8/1/17 11m

Date & Time: 8/1/2017

Date & Time: 3:50 pm

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

CHAIN OF CUSTODY RECORD

Enviro - Chem, Inc.

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

Date: August 2, 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, Building B**
Lab I.D.: **170804-55 through -62**

Dear Mr. Ruvalcaba:

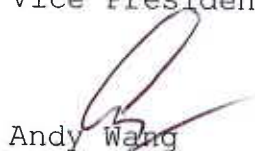
The **analytical results** for the wipe samples, received by our laboratory on August 1, 2017, are attached. The samples were received intact, and accompanying chain of custody.

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

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, Building B**

DATE SAMPLED: 08/01/17

MATRIX: WIPE

REPORT TO: MR. CESAR RUVALCABA

DATE RECEIVED: 08/01/17

DATE EXTRACTED: 08/01/17

DATE ANALYZED: 08/01/17

DATE REPORTED: 08/02/17

EPA 8082 FOR PCBs; PAGE 1 OF 2

UNITS: ug/100CM² = MICROGRAM PER 100 SQUARE CENTIMETERS

SAMPLE I.D.	LABORATORY I.D.	PCB- 1016	PCB- 1221	PCB- 1232	PCB- 1242	PCB- 1248	PCB- 1254	PCB- 1260	TOTAL PCBs*	DF
80117-1	170801-55	ND	ND	ND	ND	ND	34.5	ND	34.5	1
80117-2	170801-56	ND	ND	ND	ND	ND	58.2	ND	58.2	1
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1
	PQL	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	

COMMENTS:


PQL = Practical Quantitation Limit

DF = Dilution Factor

Actual Detection Limit = PQL X DF

ND = Non-Detected or Below the Actual Detection Limit

* = Sum of the PCB 1016, 1221, 1232, 1242, 1248, 1254 and 1260

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, Building B**

DATE SAMPLED: 08/01/17 DATE RECEIVED: 08/01/17
 MATRIX: WIPE DATE EXTRACTED: 08/01/17
 REPORT TO: MR. CESAR RUVALCABA DATE ANALYZED: 08/01&02/17
 DATE REPORTED: 08/02/17

EPA 8082 FOR PCBs; PAGE 2 OF 2

UNITS: $\mu\text{G}/100\text{CM}^2$ = MICROGRAM PER 100 SQUARE CENTIMETERS

SAMPLE I.D.	LABORATORY I.D.	PCB- 1016	PCB- 1221	PCB- 1232	PCB- 1242	PCB- 1248	PCB- 1254	PCB- 1260	TOTAL PCBs*	DF
80117-3	170801-57	ND	ND	ND	ND	ND	196	ND	196	25
80117-4	170801-58	ND	ND	ND	ND	ND	427	ND	427	25
80117-5	170801-59	ND	ND	ND	ND	ND	52.0	ND	52.0	1
80117-6	170801-60	ND	ND	ND	ND	ND	54.5	ND	54.5	5
80117-7	170801-61	ND	ND	ND	ND	ND	1.87	ND	1.87	1
80117-4-2	170801-62	ND	ND	ND	ND	ND	86.7	ND	86.7	10
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1
PQL		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	

COMMENTS:


PQL = Practical Quantitation Limit

DF = Dilution Factor

Actual Detection Limit = PQL X DF

ND = Non-Detected or Below the Actual Detection Limit

* = Sum of the PCB 1016, 1221, 1232, 1242, 1248, 1254 and 1260

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

QA/QC Report

Analysis: EPA 8082 (PCB)

Matrix: Wipe

Date Analyzed: 8/1-2/2017

Unit: ug / Wipe

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

Spiked Sample Lab I.D.: 170801-LCS1/2

Analyte	spk conc	MS	%REC	MSD	%REC	%RPD	ACP % RPD	ACP %REC
PCB (1016+1260)	20.0	14.6	73%	15.2	76%	4%	0-20%	70-130

LCS STD RECOVERY:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	20.0	16.9	85%	75-125

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

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

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required		COMMENTS	Misc./PO#
80117-1	17886-55	08/01	1200	Wipe	1	402	Ice	X		100% Floor	SMSD-17-6684
80117-2	17886-56	08/01	1200		1			X			
80117-3	17886-57	08/01	1200		1			X			
80117-4	17886-58	08/01	1200		1			X			
80117-5	17886-59	08/01	1200		1			X			
80117-6	17886-60	08/01	1200		1			X			
80117-7	17886-61	08/01	1200		1			X			
80117-4-2	17886-62	08/01	1200	wipe	1		Ice	X			

RUSH

Company Name: Alta Environmental
 Project Contact: Cesar Ruvalcaba

Address: 3777 Long Beach Blvd., Annex Bldg.
 Tel: 562-495-5777

City/State/Zip: Long Beach, California 90807

Relinquished by: *[Signature]* 8/1/17
 Received by: *[Signature]*
 Relinquished by: _____
 Received by: _____
 Relinquished by: _____
 Received by: _____

Sample's Signature: *[Signature]*
 Project Name/D: Malibu High, Building B

Date & Time: 8/1/2017 2:57 PM
 Date & Time: _____
 Date & Time: _____

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

CHAIN OF CUSTODY RECORD

Enviro - Chem, Inc.

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

Date: August 7, 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 B**
Lab I.D.: **170804-14 through -21**

Dear Mr. Ruvalcaba:

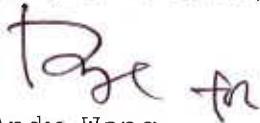
The **analytical results** for the wipe samples, received by our laboratory on August 4, 2017, are attached. The samples were received intact, and accompanying chain of custody.

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



Andy Wang
Laboratory Manager

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 B**

DATE SAMPLED: 08/04/17

MATRIX: WIPE

REPORT TO: MR. CESAR RUVALCABA

DATE RECEIVED: 08/04/17

DATE EXTRACTED: 08/04/17

DATE ANALYZED: 08/04/17

DATE REPORTED: 08/07/17

EPA 8082 FOR PCBs

UNITS: $\mu\text{G}/100\text{CM}^2$ = MICROGRAM PER 100 SQUARE CENTIMETERS

SAMPLE I.D.	LABORATORY I.D.	PCB-1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260	TOTAL PCBs*	DF
080417-1	170804-14	ND	ND	ND	ND	ND	ND	ND	ND	1
080417-2	170804-15	ND	ND	ND	ND	ND	2.83	ND	2.83	1
080417-3	170804-16	ND	ND	ND	ND	ND	7.66	ND	7.66	1
080417-4	170804-17	ND	ND	ND	ND	ND	12.9	ND	12.9	1
080417-5	170804-18	ND	ND	ND	ND	ND	ND	ND	ND	1
080417-6	170804-19	ND	ND	ND	ND	ND	10.9	ND	10.9	1
080417-7	170804-20	ND	ND	ND	ND	ND	ND	ND	ND	1
080417-8	170804-21	ND	ND	ND	ND	ND	ND	ND	ND	1
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1

PQL 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0

COMMENTS:

PQL = Practical Quantitation Limit

DF = Dilution Factor

Actual Detection Limit = PQL X DF

ND = Non-Detected or Below the Actual Detection Limit

* = Sum of the PCB 1016, 1221, 1232, 1242, 1248, 1254 and 1260

Data Reviewed and Approved by: 

CAL-DHS ELAP CERTIFICATE No.: 1555

QA/QC Report

Analysis: EPA 8082 (PCB)

Matrix: **Wipe**

Date Analyzed: **8/4/2017**

Unit: ug / Wipe

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

Spiked Sample Lab I.D.: **170804-LCS1/2**

Analyte	spk conc	MS	%REC	MSD	%REC	%RPD	ACP % RPD	ACP %REC
PCB (1016+1260)	20.0	20.3	101%	24.2	121%	18%	0-20%	70-130

LCS STD RECOVERY:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	20.0	21.1	106%	75-125

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

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

RUSH

EPA 8082

Misc./PO#

SAMPLE ID	LAB ID	SAMPLING DATE TIME		MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required								COMMENTS
		DATE	TIME													
080417-1	170804-14	08/04	0900	wipe	1		Ice	X								100CM ² Hex
080417-2	-15	08/04	0900	↓	1		↓	X								100CM ² Hex
080417-3	-16	08/04	0900		1	X										100CM ² Alc
080417-4	-17	08/04	0900		1	X										100CM ² Alc
080417-5	-18	08/04	0900		1	X										100CM ² Hex
080417-6	-19	08/04	0900		1	X										100 CM ² Alc
080417-7	-20	08/04	0900		1	X										100 CM ² Hex
080417-8	-21	08/04	0900		1	X										Blank Hex
						408										

Company Name: <u>Alta</u>		Project Contact: <u>Cesar Ruvalcaba</u>		Sampler's Signature: <u>Tyler Petty</u>	
Address: <u>3777 Long Beach Blvd, Annex Bldg</u>		Tel: <u>562-495-5777</u>		Project Name/ID: <u>Malibu H.S. Bldg B</u>	
City/State/Zip: <u>Long Beach, CA, 90807</u>		Fax:			
Relinquished by: <u>Tyler Petty</u>		Received by: <u>[Signature]</u>		Date & Time: <u>8/4/17 10:30 AM</u>	
Relinquished by:		Received by:		Date & Time:	
Relinquished by:		Received by:		Date & Time:	
Instructions for Sample Storage After Analysis: <input type="radio"/> Dispose of <input type="radio"/> Return to Client <input type="radio"/> Store (30 Days) <input type="radio"/> Other:					

CHAIN OF CUSTODY RECORD

Date: Aug 04, 2017

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: August 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 Bldg. B/C**
Lab I.D.: **170829-4, -5, -6**

Dear Mr. Ruvalcaba:

The **analytical results** for the solid samples, received by our laboratory on August 29, 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

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. B/C**

DATE SAMPLED: 08/29/17

MATRIX: SOLID

REPORT TO: MR. CESAR RUVALCABA

DATE RECEIVED: 08/29/17
 DATE EXTRACTED: 08/29-30/17
 DATE ANALYZED: 08/30/17
 DATE REPORTED: 08/30/17

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
<u>829-1</u>	<u>170829-4</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>4.96</u>	<u>ND</u>	<u>4.96</u>	<u>1</u>
<u>829-2</u>	<u>170829-5</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>1.97</u>	<u>ND</u>	<u>1.97</u>	<u>1</u>
<u>829-3</u>	<u>170829-6</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>1</u>
<u>Method Blank</u>		<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>1</u>
	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 ~~COR~~-TITLE 22 (if marked)

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

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

SAMPLE ID	LAB ID	SAMPLING		MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required								COMMENTS
		DATE	TIME													
829-1	170829-4	8/29/17	0730	core	1			X								left of door
829-2	↓ -5	8/29/17	0730	core	1			X								center of wall
829-3	↓ -6	8/29/17	0730	core	1			X								NE corner
																(Special extraction)

Misc./PO#
 \$ Doc By
 230 pm
 8/30/17
 COMMENTS

Company Name: <i>ALTA Environmental</i>		Project Contact: <i>Cesar Ruvalcaba</i>		Sampler's Signature: <i>Jorge Robles</i>	
Address: <i>3777 Long Beach Blvd, Annex Bldg</i>		Tel: <i>310-951-9485</i>		Project Name/ID: <i>Malibu Bldg B/C</i>	
City/State/Zip: <i>Long Beach CA 90807</i>		Fax:			
Relinquished by: <i>Jorge Robles</i>	<i>1030</i>	Received by: <i>[Signature]</i>	Date & Time: <i>8/29/17 10:25 AM</i>	Instructions for Sample Storage After Analysis:	
Relinquished by:		Received by:	Date & Time:	<input type="radio"/> Dispose of <input type="radio"/> Return to Client <input checked="" type="radio"/> Store (30 Days)	
Relinquished by:		Received by:	Date & Time:	<input type="radio"/> Other:	

CHAIN OF CUSTODY RECORD

Enviro - Chem, Inc.

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

Date: September 25, 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.: **170922-39 through -42**

Dear Mr. Ruvalcaba:

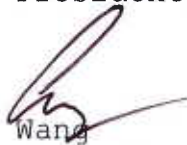
The **analytical results** for the wipe and solid samples, received by our laboratory on September 22, 2017, are attached. The samples were received intact, and accompanying chain of custody.

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

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: 09/22/17 DATE RECEIVED: 09/22/17
 MATRIX: WIPE DATE EXTRACTED: 09/22/17
 REPORT TO: MR. CESAR RUVALCABA DATE ANALYZED: 09/22/17
 DATE REPORTED: 09/25/17

EPA 8082 FOR PCBs
 UNITS: $\mu\text{G}/100\text{CM}^2 = \text{MICROGRAM PER 100 SQUARE CENTIMETERS}$

SAMPLE I.D.	LABORATORY I.D.	PCB- 1016	PCB- 1221	PCB- 1232	PCB- 1242	PCB- 1248	PCB- 1254	PCB- 1260	TOTAL PCBs*	DF
<u>922-W1</u>	<u>170922-42</u>	ND	ND	ND	ND	ND	ND	ND	ND	<u>1</u>
<u>Method Blank</u>		ND	ND	ND	ND	ND	ND	ND	ND	<u>1</u>
	PQL	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	

COMMENTS:

PQL = Practical Quantitation Limit
 DF = Dilution Factor
 Actual Detection Limit = PQL X DF
 ND = Non-Detected or Below the Actual Detection Limit
 * = Sum of the PCB 1016, 1221, 1232, 1242, 1248, 1254 and 1260

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

QA/QC Report

Analysis: EPA 8082 (PCB)

Matrix: **Wipe**

Date Analyzed: **9/22/2017**

Unit: ug / Wipe

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

Spiked Sample Lab I.D.: **170922-LCS1/2**

Analyte	spk conc	MS	%REC	MSD	%REC	%RPD	ACP % RPD	ACP %REC
PCB (1016+1260)	20.0	19.5	98%	17.5	87%	11%	0-20%	70-130

LCS STD RECOVERY:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	20.0	22.2	111%	75-125

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

Analyzed and Reviewed By: 

Final Reviewer: 

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: 09/22/17 DATE RECEIVED: 09/22/17
 MATRIX: SOLID DATE EXTRACTED: 09/22&25/17
 REPORT TO: MR. CESAR RUVALCABA DATE ANALYZED: 09/25/17
 DATE REPORTED: 09/22/17

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
922-B1	170922-39	ND	ND	ND	ND	ND	ND	ND	ND	1
922-B2	170922-40	ND	ND	ND	ND	ND	ND	ND	ND	1
922-B3	170922-41	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 TTLIC 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: 9/25/2017

Unit: mg/Kg(PPM)

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

Spiked Sample Lab I.D.: 170925-LCS1/2

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
PCB (1016+1260)	0.000	0.100	0.120	120%	0.122	122%	2%	0-20%	70-130

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	0.100	0.116	116%	75-125

Surrogate Recovery	ACP%	ACP%	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	170922-38	170922-39	170922-40	170922-41			
Tetra-chloro-meta-xylene	50-150	96%	113%	66%	77%	122%			
Decachlorobipneyl	50-150	104%	100%	104%	93%	99%			

Surrogate Recovery	%REC	%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

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


spk conc = Spike Concentration

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

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

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

MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required										Misc./PO#

SAMPLE ID	LAB ID	SAMPLING DATE	TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required										COMMENTS	
922-B1	970922-39	9-22-17		bulk			ICE	X											Rm 904-South wall
-B2	-40			↓			↓	X											↓
-B3	-41			↓			↓	X											↓
d-w1	-42	9-22-17		w.p.c.			↓	X											100 cm ² R-904 - Floor w.p.c.

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

Relinquished by:	Received by:	Date & Time: 9/22/17 12:30	Instructions for Sample Storage After Analysis: <input type="radio"/> Dispose of <input type="radio"/> Return to Client <input type="radio"/> Store (30 Days) <input type="radio"/> Other:
Relinquished by:	Received by:	Date & Time:	
Relinquished by:	Received by:	Date & Time:	

CHAIN OF CUSTODY RECORD

Date: 9-22-17

WASTE MANIFESTS

FRONT

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number CAC002904128	2. Page 1 of 1	3. Emergency Response Phone 800-451-6346	4. Manifest Tracking Number 015222354 JJK				
5. Generator's Name and Mailing Address SANTA MONICA MALIBU UNIFIED SCHOOL DISTRICT 1051 16TH ST. SANTA MONICA CA 90404				Generator's Site Address (if different than mailing address) MALIBU HIGH SCHOOL 30215 MORNING VIEW DR. MALIBU CA 90265					
Generator's Phone: 310 450-8338									
6. Transporter 1 Company Name BDC SPECIAL WASTE SERVICES				U.S. EPA ID Number CAR000181891					
7. Transporter 2 Company Name ARO TRUCKING				U.S. EPA ID Number CAR000045983					
8. Designated Facility Name and Site Address AMERICAN ECOLOGY US ECOLOGY HWY 95, 11 MILES SOUTH BEATTY BEATTY NV 89003				U.S. EPA ID Number NVT930010000					
Facility's Phone: 800 239-3043									
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))		10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
		1. UN332, POLYCHLORINATED BIPHENYLS, SOLID, 9, II, RQ		No.	Type				
		2.							
		3.							
		4.							
14. Special Handling Instructions and Additional Information PROFILE#070257352-0 PCB (TSCA) CONTAMINATED DEBRIS SEE CONTRACT #9026 HRS#171									
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.									
Generator's/Offor's Printed/Typed Name Donald Marble				Signature <i>Donald S. Marble</i>		Month Day Year 9 15 17			
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____									
17. Transporter Acknowledgment of Receipt of Materials									
17. Transporter 1 Printed/Typed Name Roselio Rodriguez									
Signature <i>Roselio Rodriguez</i>				Month Day Year 09 15 17					
17. Transporter 2 Printed/Typed Name Arthur Armenta									
Signature <i>Arthur Armenta</i>				Month Day Year 09 19 17					
18. Discrepancy									
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection									
18b. Alternate Facility (or Generator) Manifest Reference Number: _____ U.S. EPA ID Number _____									
18c. Signature of Alternate Facility (or Generator) Month Day Year _____									
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)									
1. HA30		2.		3.		4.			
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a									
Printed/Typed Name Alvin Garcia				Signature <i>Alvin Garcia</i>		Month Day Year 09 20 17			

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number CAC002804126	2. Page 1 of 1	3. Emergency Response Phone 800-451-8346	4. Manifest Tracking Number 015222355 JJK	
5. Generator's Name and Mailing Address SANTA MONICA MALIBU UNIFIED SCHOOL DISTRICT 1851 16TH ST. SANTA MONICA CA 90404			Generator's Site Address (if different than mailing address) MALIBU HIGH SCHOOL 30215 MORNING VIEW DR. MALIBU CA 90265			
Generator's Phone: 310 450-8330						
6. Transporter 1 Company Name BDC SPECIAL WASTE SERVICES			U.S. EPA ID Number CAR000181801			
7. Transporter 2 Company Name ARO TRUCKING			U.S. EPA ID Number CAR000045863			
8. Designated Facility Name and Site Address AMERICAN ECOLOGY US ECOLOGY HWY 95, 11 MILES SOUTH BEATTY BEATTY NV 89003			U.S. EPA ID Number NVT330010000			
Facility's Phone: 702 239-3883						
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
		No.	Type			
1.	UN042, POLYCHLORINATED BIPHENYLS, SOLID, S, II, RC	2	CM DR	16400	K	281
2.						
3.						
4.						
14. Special Handling Instructions and Additional Information PROHIBITED 17025 4352-0 PCB (YSCN) CONTAMINATED DRUMS 3R CONTAINMENT 19026 HUG171 Bins 1408 + 8034						
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.						
Generator's/Offeror's Printed/Typed Name David Markle			Signature <i>David Markle</i>		Month/Day/Year 7/15/17	
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Transporter signature (for exports only): _____ Date leaving U.S.: _____						
17. Transporter Acknowledgment of Receipt of Materials						
Transporter 1 Printed/Typed Name Richard Roswell			Signature <i>Richard Roswell</i>		Month/Day/Year 9/15/17	
Transporter 2 Printed/Typed Name GREG TRICKERMAN			Signature <i>Greg Trickerman</i>		Month/Day/Year 9/18/17	
18. Discrepancy						
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
18b. Alternate Facility (or Generator) Manifest Reference Number: _____ U.S. EPA ID Number: _____						
18c. Signature of Alternate Facility (or Generator) _____ Month/Day/Year _____						
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)						
1. H132		2.		3.		4.
20. Designated Facility Owner or Operator. Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a						
Printed/Typed Name Emily Adams			Signature <i>Emily Adams</i>		Month/Day/Year 9/19/17	

GENERATOR
TRANSPORTER INTL
TRANSPORTER
DESIGNATED FACILITY