Intended for
Santa Monica-Malibu Unified School District
Santa Monica, California

Date
March 27, 2020

NOTIFICATION AND REQUEST FOR APPROVAL, SITE-SPECIFIC PCB REMEDIATION WASTE PLAN

BUILDING D, MALIBU HIGH SCHOOL, MALIBU, CALIFORNIA

RAMBOLL

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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 (USEPA) this *Notification and Request for Approval, Site-Specific PCB Remediation Waste Plan* ("Work Plan") for demolition of Building D at Malibu High School (MHS) located at 30215 Morning View Drive, Malibu, CA. For the purpose of this submittal, "the Site" shall refer to Building D at MHS. **Figure 1** depicts the layout of the Site within the MHS campus. 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 USEPA Region IX ("USEPA's 2014 Approval Letter" [USEPA, 2014] and "USEPA's November 2015 Approval Letter" [USEPA, 2015]).

SMMUSD is the owner and operator of the MHS and Juan Cabrillo Elementary School (JCES) buildings. The JCES campus is located immediately adjacent to MHS at 30237 Morning View Drive, Malibu, CA. As part of a modernization project at MHS and JCES, Building D (constructed in approximately 1963) is scheduled for demolition tentatively starting in spring/summer 2020. Polychlorinated biphenyl (PCB) concentrations which exceed the Toxic Substance Control Act (TSCA) threshold of 50 milligrams per kilogram (mg/kg, or parts per million [ppm]) have been confirmed in building materials within Building D as described further below.

Specifically, this Work Plan addresses the building materials which contain ≥50 ppm PCBs in exceedance of USEPA standards, which have been identified in Building D. This Work Plan describes procedures for management, characterization and remediation of building materials in which PCBs have been identified ≥50 ppm in accordance with guidance from USEPA Region IX, and the TSCA 40 Code of Federal Regulations (CFR) 761.

The general approach presented in this Work Plan is as follows:

1. **Site Characterization:** Prior to proposed renovation/demolition activities at Building D, a comprehensive assessment, including sampling and laboratory analysis for PCBs, was completed of all potentially PCB-impacted building materials (i.e., caulk, mastic, paint, etc.). See Section 2 for further details.
2. **Proposed ≥50 ppm PCB Removal/Remediation Procedures:** Immediately prior to proposed demolition activities, remediation of all confirmed ≥50 ppm PCB-impacted building materials will be performed. See Section 3 for further details.

As further described below, the District intends to conduct this remediation in accordance with 40 CFR 761.62 and 40 CFR 761.61(a) and (c). The written certification signed by the District, as required under 40 CFR 761.61(a)(3)(i)(E), is included in **Appendix A**.

It should be noted that regulatory oversight of investigation and potential remediation of PCB-impacted soils at MHS is to be managed separately through the Preliminary Environmental Assessment (PEA) process under the California Department of Toxic Substances Control (DTSC). Therefore, discussion related specifically to soil at MHS is not included herein.

This Work Plan will be implemented by the District as the owner and operator of the Site. The District will contract with a qualified remediation contractor to conduct the work detailed in this Work Plan

prior to the planned demolition. All PCB testing will be conducted by a qualified environmental consultant under contract to the District. The District's contact information is below:

Dr. Ben Drati, Superintendent
Santa Monica Malibu Unified School District
1651 Sixteenth Street
Santa Monica, CA 90404
310-450-8338 ext. 70229

1.1 Status of Proposed Demolition Activities at MHS and JCES Campuses

Figure 1 and **Figure 2** depict the layout of all buildings on the MHS and JCES campuses. The only building currently scheduled for demolition in 2020 is Building D at MHS. The remaining buildings at MHS and JCES constructed prior to 1981 are tentatively scheduled for demolition within the next 5 to 15 years. The table below summarizes the construction years and renovation status of the MHS/JCES buildings. Prior to the demolition of the remaining pre-1981 buildings, if ≥50 ppm PCBs is confirmed in building materials and PCB Remediation Waste will be generated as part of demolition activities, a site-specific work plan will be submitted to USEPA for review/approval.

Campus/Building	Date Constructed	Status
MHS/Building A	1963	Demolished in 2017
MHS/Building B/C	1963	Demolished in 2017
MHS/Building D	1963	Planned demolition in 2020
MHS/Building E	1963	Demolished in 2017
MHS/Building F	1963	Partially Renovated 2017
MHS/Building G	1963	Partially Renovated 2017, planned demolition in 2021
MHS/Building H	1963	Partially renovated 1993
MHS/Building I	1963	Partially Renovated 2017
MHS/Building J	1963	No Renovation completed
JCES/Building A	1958	Partially renovated 1993, planned demolition in 2021
JCES/Building B	1955	Partially renovated 1993, planned demolition in 2021
JCES/Building C	1957	Partially renovated 1993, planned demolition in 2021
JCES/Building D	1958	Partially renovated 1993, planned demolition in 2021
JCES/Building E	1965	Partially renovated 1993, planned demolition in 2021
JCES/Building F	1961/1965	Partially Renovated 2016, planned demolition in 2021

2. NATURE AND EXTENT OF CONTAMINATION

Over the last 3+ years, in anticipation of proposed renovation/demolition activities, the District has conducted PCB characterization activities to properly categorize building materials for disposal. A summary of PCB sampling activities is provided below. Figures showing the locations of PCB samples collected are provided as **Figures 3, 4 and 5** and laboratory reports are included in **Appendix B**.

2.1 Flooring / Adhesives PCB Survey

In October 2017, prior to a planned flooring renovation project at Building D, Alta Environmental collected representative bulk samples of the flooring materials within Building D including floor tile, mastic, and covebase adhesive. The samples were collected by using hand tools to remove the flooring and adhesive from the underlying concrete. Samples were submitted to Enviro-Chem, Inc. in Pomona, California for analysis of PCBs via EPA Method 8082A via Soxhlet extraction. The sampling effort is summarized in the Alta Environmental report titled *PCB Delineation and Source Bulk Sampling Report, Malibu High School Building D* (Alta, 2018). Figures showing the locations of PCB samples collected are provided as **Figures 3 and 4**, analytical results are summarized in **Table 1**, and laboratory reports are included in **Appendix B**. The following materials were confirmed to contain PCB concentrations ≥50 ppm.

Flooring:

- Room 101A – 9" beige floor tile and black mastic (86.1 ppm)
- Room 101B – 9" beige floor tile and black mastic (106 ppm)
- Room 106 – 12" light grey speckled floor tile with glue (96.3 ppm)
- Room 112 – Mastic associated with 9" beige floor tile (5,390 ppm)
- Room 112 – 9" beige floor tile and black mastic (199 ppm)
- Room 116 – Glue associated with 12" light grey speckled floor tile (188 ppm)
- Room 116 – 12" light grey speckled floor tile with glue (64.4 ppm)
- Room 201 – 12" light blue floor tile with glue (59.7 ppm)
- Room 207 – Glue associated with 12" light blue floor tile (488 ppm)
- Room 207 – 12" light blue floor tile with glue (117 ppm)
- Room 215 – 12" light blue floor tile with glue (78.2 ppm)

No sampling of the porous concrete slab beneath the ≥50 ppm PCB flooring materials in Building D has been performed. However, sampling was conducted in Buildings A and B/C at MHS, where PCB concentrations of the concrete slab beneath ≥50 ppm PCB flooring materials ranged from non-detect to 24.6 ppm (Ramboll, 2018a). As such, we expect the PCB concentration in the concrete slab to be the same approximate order of magnitude (i.e., approximately 24.6 ppm or less), however confirmatory sampling will be conducted of the concrete slab as described below in Section 3.2.3.2.3.

2.2 Caulk PCB Survey

In October/November 2017, prior to a planned HVAC and window renovation project, Alta Environmental collected representative bulk samples of caulk at Building D. The samples were collected by using hand tools and samples were submitted to Enviro-Chem, Inc. in Pomona, California for analysis of PCBs via EPA Method 8082A via Soxhlet extraction. The sampling effort is summarized in the Alta Environmental report titled *PCB Delineation and Source Bulk Sampling Report, Malibu High School Building D* (Alta, 2018). Sampling locations are provided on **Figures 3, 4 and 5**, analytical results are summarized in **Table 1**, and laboratory reports are included in **Appendix B**. The following materials were confirmed to contain PCB concentrations ≥50 ppm.

Caulk around HVAC vents:

- Room 103 (80,800 ppm)
- Room 201 (40,800 and 100,000 ppm)
- Room 206 (239,000 ppm)
- Room 208 (84,900 ppm)
- Room 209 (97,700 ppm)
- Room 210 (145,000 ppm)

- Room 212 (141,000 ppm)

Caulk around exterior windows:

- Room 112 (2,170 and 2,160 ppm)

2.3 Delineation Sampling of Porous Substrate Adjacent to Confirmed or Suspected ≥50 ppm Caulk

Door Caulk Substrate Delineation

In November 2016 through February 2017, an initial round of delineation sampling was conducted by Alta Environmental in Building D in preparation for door replacement, and to target areas with suspected ≥50 ppm PCB-impacted caulk. Samples were collected in general compliance with the guidelines provided by the *USEPAs Standard Operating Procedure for Sampling Porous Surfaces for Polychlorinated Biphenyls (PCBs*) (USEPA, 2011). A total of 4 samples were collected from the interior plaster and exterior stucco surrounding the North and South exterior bathroom door entrance[1]. Samples were submitted to Enviro-Chem, Inc. in Pomona, California for analysis of PCBs via EPA Method 8082A via Soxhlet extraction. None of the substrate samples collected contained PCBs >1 ppm. The sampling effort is summarized in Alta Environmental report titled *PCB Delineation Sampling, Doors and Windows Replacement Project* (Alta, 2017). Based on subsequent sampling conducted in October 2017, the door caulk was confirmed to contain <50 ppm PCBs, as further discussed in Section 2.2 and as shown on **Table 1**.

Window Caulk Substrate Delineation

Additional delineation sampling was conducted in 2017 by Alta Environmental in preparation for renovation of the building. Alta Environmental collected representative samples of brick and plaster adjacent to window caulk containing PCBs ≥50 ppm, as summarized above in Section 2.2. Samples were collected in general compliance with the guidelines provided by the *USEPAs Standard Operating Procedure for Sampling Porous Surfaces for Polychlorinated Biphenyls (PCBs*) (USEPA, 2011). A total of 15 samples were collected from areas around the bank of windows on the 1st Floor. Samples were submitted to Enviro-Chem, Inc. in Pomona, California for analysis of PCBs via EPA Method 8082A via Soxhlet extraction. Concentrations of PCBs in the samples ranged from below the laboratory detection limit to 21.6 ppm. Sample locations are shown on **Figure 3** and analytical results are summarized in **Table 2**. The sampling effort is summarized in the 2018 Alta Environmental sampling report (Alta, 2018).

Representative delineation sampling from the porous substrate around the bank of windows on the western side of the 1st floor, which is adjacent to ≥50 ppm PCB containing caulk, indicate that PCB concentrations >1 ppm continue to a distance of up to 84 inches away from the window caulk. However, based on subsequent testing of the paint on the interior surface of the brick, PCBs were confirmed to be present in three samples at concentrations ranging from 11 to 38 ppm (see **Table 1**). As such, the paint is interpreted to meet the TSCA definition of an Excluded Product (i.e., product manufactured with <50 ppm). Furthermore, as the PCB-impacted paint is the most likely explanation for the >1 ppm PCB detections in the delineation porous substrate samples collected at 6”, 9”, 12”, 18”, 36”, 72”, 75”, and 78”, the PCB concentrations in substrate >1 ppm (associated with the window caulk only) are inferred to be limited to a distance of approximately 6-inches from the window caulk.

[1] The location of these delineation substrate samples is not presented on **Figure 1** as the substrate was all <1 ppm, and no door caulk was confirmed to contain ≥50 ppm PCBs through subsequent testing in Building D.

HVAC Vent Caulk Substrate Delineation

A third round of delineation sampling was conducted in February/March 2020 in preparation for building demolition. Alta Environmental collected representative samples from the brick adjacent to the HVAC vent caulk containing PCB concentrations ≥50 ppm on the 2nd Floor of Building D. Samples were collected in general compliance with the guidelines provided by the *USEPAs Standard Operating Procedure for Sampling Porous Surfaces for Polychlorinated Biphenyls (PCBs*) (USEPA, 2011). Eight samples were collected from two HVAC vents at distances of 1", 3", 6", and 12". Samples were submitted to Enviro-Chem, Inc. in Pomona, California for analysis of PCBs via EPA Method 8082A via Soxhlet extraction. Sample locations are shown on **Figure 4** and analytical results are summarized in **Table 2**.

Representative delineation sampling from the porous substrate around the HVAC vents in Building D, which is adjacent to ≥50 ppm PCB containing caulk, indicate that PCB concentrations >1 ppm are present to a distance of approximately 6-inches.

2.4 Emergency Flooring Removal and Encapsulation

In December 2018, in response to a flood in a portion of the 1st floor of Building D, Alta Environmental and Karcher Environmental conducted removal of the ≥50 ppm PCB containing flooring and encapsulation of the underlying concrete prior to installation of new flooring. Removal of flooring and encapsulation was conducted in rooms 112/120 (Workroom), the copy room, Rooms 101A, and 101B, as shown on **Figure 6**. The work was conducted under the USEPA-approved workplan titled *Notification and Request for Approval, PCB Remediation Waste Plan, Buildings D, F, G, I, and J* (Ramboll, 2018b).

All of the ≥50 ppm PCB beige 9" floor tile/mastic in Building D was removed during this event. The flooring and adhesive was removed using a combination of hand tools and power tools and disposed of as PCB Bulk Product Waste in accordance with 40 CFR 761.62. Upon the completion of the initial removal activities, the concrete slabs were visually inspected for the presence of any residual mastic/glue. Once all tile/mastic was removed, an encapsulant consisting of a liquid epoxy coating was applied in two coats. This coating eliminates the direct exposure pathway and leaching transport pathway from any residual PCBs in the concrete.

In accordance with the workplan (Ramboll, 2018b), upon completion of the encapsulation work Alta Environmental collected confirmatory air and wipe samples from the rooms to verify that there are no exceedances of EPA Region IX's cleanup goals prior to release of the area for unrestricted access. All air and wipe samples were below the cleanup goals. The flooring removal and encapsulation work is documented in the Alta Environmental report titled *PCB Wipe and Air Sampling Results, Malibu High School, Building D, Rooms 120 (Workroom), Copy Room, 101A, 101B,* dated January 25, 2019 (Alta, 2019a).

2.5 Stucco Sampling

In January 2019, in preparation for building renovations at Building D, Alta Environmental collected representative bulk samples of exterior stucco at Building D. A total of five samples were collected using hand tools from interior doors on the 1st floor of Building D. Samples were submitted to Enviro-Chem, Inc. in Pomona, California for analysis of PCBs via EPA Method 8082A via Soxhlet extraction. No stucco samples were confirmed to be ≥50 ppm PCBs. Sampling locations for stucco are provided on **Figure 3** and analytical results are summarized in **Table 1**. The sampling effort is detailed in the Alta Environmental report titled *PCB Source Sampling Report, Remaining Door and Window Features* (Alta, 2019b).

2.6 Pre-Demolition Survey of Building D

In February/March 2020, Alta Environmental conducted a pre-demolition PCB survey to supplement the sampling described above in order to properly characterize the building materials prior to offsite disposal. Representative samples of the following building materials were collected for laboratory analysis: caulk, paint, mastics, and sealants. In addition to the 2nd floor, samples were also collected on the roof of Building D. Samples were submitted Enviro-Chem, Inc. in Pomona, California for analysis of PCBs via EPA Method 8082A via Soxhlet extraction. Sampling locations are provided on **Figures 3, 4 and 5** and analytical results are summarized in **Table 1**.

Representative sampling of the materials was conducted for waste characterization, and as such, samples of each building material were not necessarily collected from every room/space of the building. For rooms/areas that were not sampled/tested, the District plans to assume that the materials contained in those rooms/areas are similar in PCB concentration to the materials tested in a different location of that building. Provided below is an example of how the District plans to implement this procedure:

> *Beige floor tile with glue was tested for PCBs in Rooms 101A, 101B, and 112 of Building D with detections of 86.1, 106 and 199 ppm, respectively. For other rooms/areas in Building D where the same beige floor tile with glue are present, the District will assume that the flooring materials contained in those rooms/areas are similar in PCB concentration to Rooms 101A, 101B, and 112.*

Based on the laboratory results received to date, no additional building materials contained PCB concentrations ≥50 ppm.

If additional building materials are confirmed via laboratory data to be ≥50 ppm PCBs and PCB Remediation Waste will be generated as part of demolition activities which is not already discussed in this workplan, an addendum to this workplan will be submitted to USEPA for review/approval.

2.7 Summary of ≥50 ppm PCBs in Building D

In summary, comprehensive sampling of all potentially PCB-impacted building materials has now been completed. Based on the laboratory results, the following materials were confirmed to contain PCB concentrations ≥50 ppm.

Flooring:

- 9" beige floor tile/mastic - Room 101A, Room 101B, Room 112 (All removed in December 2018 – see Section 2.4)
- 12" light grey speckled floor tile/mastic - Room 106, Room 116
- 12" light blue floor tile/mastic - Room 201, Room 207, Room 215

12" Light Blue Floor Tile

12" Light Grey Floor Tile

Caulk around HVAC vents:

- A total of 6 vents on the 1st floor (See **Figure 6** for locations)
- A total of 13 vents on the 2nd floor (See **Figure 7** for locations)

2' 6" x 8' 6" exterior HVAC vent

Caulk around exterior windows:

- Room 112

Exterior Window Room 112

Based on the sampling results, all areas currently proposed for abatement are provided on **Figures 6 and 7**. This includes a) all of the floor tile/mastic on the 1st floor and 2nd floor, b) all of the caulk around HVAC vents on the 1st and 2nd floor, and c) caulk around the window in Room 112 on the 1st floor.

For adjacent porous substrate, based on delineation testing conducted, the following abatement procedures are proposed:

Caulk around HVAC vents:

- 6" of PCB-impacted adjacent porous substrate will be cut around all 4 sides of all HVAC vents at Building D, as shown on **Figures 6 and 7**, in order to remove materials containing >1 ppm PCBs.

Caulk around exterior windows at Room 112:

- 6" of PCB-impacted adjacent porous substrate will be cut around all 4 sides of the window at Room 112 of Building D, as shown on **Figure 6**, in order to remove materials containing >1 ppm PCBs.

Further characterization of the slab beneath the ≥50 ppm PCBs floor tile/mastic still needs to be completed, as discussed in Section 3.2.3.2.3.

3. PROPOSED CLEANUP STRATEGY

The objective of the Work Plan for the Site is to provide procedures for the removal of PCB containing building materials (i.e. caulk, and flooring) and all adjacent porous substrate (i.e. concrete, and brick) which exceed the USEPA thresholds and dispose of that material in appropriate off-site facilities.

3.1 Cleanup Levels and Remedial Approach

The cleanup goal is the physical removal and proper disposal of all ≥50 ppm PCB containing building materials and adjacent porous substrate containing >1 ppm of PCBs, prior to or during the demolition of the onsite buildings. This includes the removal of flooring, caulk, sealant, concrete, and brick throughout the buildings as well as the collection of additional confirmation samples, where necessary. The PCB impacted materials will be transported to approved facilities based on the concentrations identified during initial characterization sampling. The sections below summarize procedures for removal and disposal of the PCB containing materials.

3.2 Remediation Procedures

3.2.1 Site Preparation

Prior to initiating onsite activities, a site-specific health & safety plan will be developed. All workers will be HAZWOPER trained and will follow applicable Federal and State regulations regarding the work activities. To reduce dust levels and exposures to dust, a combination of engineering controls (e.g., work zone enclosures or delineation, and misting), equipment equipped with HEPA filters, and personal protective equipment (PPE – respirators and Tyvek clothing) will be implemented as part of the work activities. The following summarizes the controls which will be put in place prior to removal activities in each location:

- Polyethylene containment will be constructed enclosing each area prior to work. The use of HEPA filtration will be incorporated to control dust and odors that are generated during the cleanup activities. The containment will be maintained during removal and cleanup activities.
- The use of HEPA filtration will be incorporated to establish negative pressure controls to control dust generated during the removal activities. Wet wiping and water misting inside of containment will be used as a dust suppressant, as needed.
- A decontamination area for personnel and equipment will be erected at the containment exit point.
- All powered tools will be equipped with appropriate tool guards and dust/debris collection systems (i.e., HEPA filters). Wet wiping and vacuuming of all tools and equipment in the work area will be performed at the completion of the work activity.

3.2.2 Dust Monitoring

To monitor for airborne particulate matter, dust monitoring will be conducted immediately outside of the containment area (i.e. "work zone") during the active removal of PCB impacted materials. A direct-reading particulate meter (Dustrak II, or equivalent) will be used to monitor airborne

particulate concentrations to 1 micrograms per cubic meter (µg/m^3) before (to establish background) and during site activities. Particulate concentrations shall be utilized as an indirect indicator of exposures to on-site receptors.

If visible dust is observed immediately outside of work zone or if total particulate concentrations exceed the action limits (as specified herein and incorporating background readings) and are sustained (i.e. greater than 5 minutes), then a temporary work stoppage to employ additional dust suppression techniques to mitigate fugitive dust shall be initiated. If applicable, the dust suppression techniques shall involve the application of a fine mist of water over the area creating the fugitive dust condition. The water shall be applied either by small handheld sprayers, sprinklers, or hose nozzles. In the event that the total of airborne particulate cannot be maintained below the action limit, then work activities shall be ceased until sustained readings are below the action limit or the work zone designation is re-evaluated.

For this project, Ramboll proposes an action level for perimeter dust monitoring of 150 µg/m^3 over a 5-minute Time-Weighted Average (TWA) and/or 100 µg/m^3 over an 8-hour TWA. Both action levels are over established background conditions at the Site.

The total airborne particulate action limit has been established for the PCB removal work to be conducted at the Site with consideration of the specific receptors, PCB concentrations, work activities, and USEPA Ambient Air Quality Standards. The action limit applies only to air monitoring immediately outside of work zone; an action limit has not been set for the active work zones (exclusion zones) as engineering controls and PPE will be used within these zones.

Air monitoring equipment will be calibrated according to manufacturer's specifications.

3.2.3 Summary of Remediation Procedures by Media

3.2.3.1 Removal of ≥50 ppm PCB Caulk and Adjacent Porous Substrate

The caulk removal procedure described below includes the preparation and removal for off-site disposal of source materials identified during characterization activities.

- Surface preparation for caulk removal will include surficial wetting of visibly dry and/or deteriorating material to minimize dust generation.
- At locations where caulk will be removed from vertical joints (e.g., between a retaining wall and a building), polyethylene sheeting will be placed on the ground surface and removal will be conducted using hand tools to achieve removal to the maximum extent practicable while minimizing dust or other airborne particulates generated from caulk, or adjacent materials.
- Upon the completion of the initial removal activities, the joints will be visually inspected for the presence of any residual caulk. If residual caulk is observed, it will be removed from the adjacent material to the maximum extent practicable. This may include scraping or chemical means to remove the visible remnants from the adjacent concrete or brick.
- Wet wiping and/or vacuuming of all tools and equipment in the work area will be performed at the completion of the work activity.
- During the project, equipment and tools used in the process will be decontaminated through spraying and wet wiping. At the completion of the project, any non-disposable equipment and tools that handled PCB material will be decontaminated following the procedures described in 40 CFR 761.79.
- Any debris collected on the polyethylene sheeting will be gathered and placed in PCB Bulk Product Waste containers at the end of each workday. After use, disposable PPE and poly sheeting used to collect debris will be placed in the appropriate containers for disposal as PCB Remediation Waste.

- All removed caulk and associated debris will be transported for off-site disposal as PCB Bulk Product Waste (see Section 3.2.5).

For the adjacent porous substrate, the removal task described below includes the removal and off-site disposal of porous building materials containing >1 ppm of PCBs, which have been identified adjacent to ≥50 ppm PCB impacted caulk during the characterization activities.

- Surface preparation for porous substrate removal will include surficial wetting of visibly dry and/or deteriorating material to minimize dust generation.
- Porous substrate on either side of a joint containing PCB-impacted caulk will be removed to a distance determined by previous characterization sampling (see Section 2.3).
- Removed material will be managed as PCB Bulk Product Waste in accordance with 40 CFR 761.62.
- Wet wiping and/or vacuuming of all tools and equipment in the work area will be performed at the completion of the work activity.
- At the completion of the project, any non-disposable equipment and tools that handled PCB material will be decontaminated following the procedures described in 40 CFR 761.79.
- All removed materials will be stored on site in lined, marked, and covered roll-off containers or Department of Transportation (DOT) 55-gallon drums prior to off-site disposal (Section 3.2.5).

3.2.3.2 Removal of ≥50 ppm PCB Floor Tile/Mastic and Adjacent Porous Substrate

3.2.3.2.1 Removal of ≥50 ppm PCB Floor Tile/Mastic

The following summarizes the activities to be conducted as part of the flooring removal:

- All work surfaces will be wetted to minimize dust during removal of ≥50 ppm PCB flooring materials;
- The ≥50 ppm PCB flooring materials will be removed using a combination of hand tools and power tools.
- Upon the completion of the initial removal activities, the concrete slabs will be visually inspected for the presence of any residual mastic/glue. If residual mastic/glue is observed, then any residual mastic/glue will be removed from the concrete using a combination of hand tools and power tools until the residual mastic/glue is no longer visible.
- Wet wiping and/or vacuuming of all tools and equipment in the work area will be performed at the completion of the work activity.
- During the project, equipment and tools used in the process will be decontaminated through spraying and wet wiping. At the completion of the project, any non-disposable equipment and tools that handled PCB material will be decontaminated following the procedures described in 40 CFR 761.79.
- All removed PCB flooring materials will be transported off-site under a Hazardous Waste Manifest and disposed of in accordance with 40 CFR 761.62 as Bulk Product Waste (see Section 3.2.5).

3.2.3.2.2 Removal of Encapsulated Concrete

For areas within the 1st floor of Building D where the ≥50 ppm PCB beige floor tile/mastic was previously removed and the concrete was encapsulated, the following summarizes the activities to be conducted as part of the flooring removal:

- No removal of the new non-PCB flooring/encapsulant from the concrete slab is needed if a) testing (see Section 3.2.3.2.3) of confirms that the concrete beneath the encapsulant <50 ppm

and b) the District is seeking disposal of the concrete as <50 ppm PCB Remediation Waste in accordance with 40 CFR 761.61 as (see Section 3.2.5)[2].

3.2.3.2.3 Characterization of Concrete Slab

Subsequent to removal of the ≥50 ppm PCB floor tile/mastic, and verification that the residual mastic/glue is no longer visible, sampling of the concrete slab will be performed. Field personnel will collect samples in general compliance with the guidelines provided by the *USEPAs Standard Operating Procedure for Sampling Porous Surfaces for Polychlorinated Biphenyls (PCBs*) (USEPA, 2011). The concrete will be sampled using an impact hammer drill to generate a uniform, finely ground, powder to be extracted and analyzed for PCBs. A total of 8 samples on the 1st floor and 8 samples on the 2nd floor will be collected for PCB analysis, as **Figures 6 and 7**. Concrete samples will be submitted to a laboratory for PCB analysis by EPA Method 8082 via Soxhlet Extraction, which we have confirmed with EPA Region IX is the preferred analysis for concrete.

The District is not seeking to recycle the concrete onsite, or to send the concrete to an offsite recycling facility. Instead, the District is seeking to send the concrete for offsite disposal. As such, the remedial goal for the concrete will be <50 ppm to support disposal of the concrete as <50 ppm PCB Remediation Waste[3]. Based on the results of the concrete sampling the following activities will be performed.

- If any PCB samples are ≥50 ppm, removal of a thin layer of concrete will be removed in the area exceeding ≥50 ppm via bead blasting (see Section 3.2.4.1 below) followed by confirmatory PCB sampling of the concrete until <50 ppm is achieved.
- If all PCB samples are >1 ppm and <50 ppm, then the concrete will be removed for offsite disposal as <50 ppm PCB Remediation Waste.

3.2.3.2.4 Removal of Slabs without Bead Blasting

If the concrete slab contains <50 ppm PCBs, the removal and management of the entire thickness of the concrete floor slabs will be handled as <50 ppm PCB Remediation Waste. The following summarizes the activities to be conducted as part of the concrete slab removal:

- Set up of a restricted access zone surrounding the work area to prevent unauthorized access.
- All work surfaces will be wetted prior to and during work to minimize dust during removal of concrete surface.
- Cut slabs into manageable pieces using a combination of hand tools and power tools, and placement in on site in lined, marked, and covered roll-off containers.
- Upon completion of the removal activities, any small pieces of the slab which may have broken off during removal will be collected and placed in the bins.
- All removed materials will be stored on site in lined, marked, and covered roll-off containers or DOT 55-gallon drums prior to off-site disposal (Section 3.2.5).

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[2] If the District seeks to dispose of the concrete slab as <1 ppm construction debris (non-TSCA), additional testing and/or remediation of the concrete will be needed (see Footnote 3).

[3] In April 2020, the District would like to a) remove the flooring materials on the 2nd floor of Building D, b) perform confirmatory sampling of the concrete, and c) perform a bead-blasting pilot study of a limited portion of the 2nd floor (if the PCB concentrations are above remedial goals in the concrete slab). The District is currently evaluating disposal options for the concrete including <1 ppm construction debris (non-TSCA). As such, bead blasting of the concrete slab will be attempted, and confirmatory sampling of the concrete will be conducted to confirm if <1 ppm was achieved. Should the bead blasting and <1 ppm disposal option be desired, the District will seek approval from USEPA under separate cover, which will include the proposed confirmatory sampling approach.

3.2.4 Contingency Plans

3.2.4.1 Removal of ≥50 ppm PCB in Concrete Slab with Bead Blasting

Remediation of the concrete slab to remove PCB concentrations of ≥50 ppm, will be accomplished by bead blasting of the surface. Bead blasting is a type of surface preparation that uses steel balls of varying sizes to strip off the upper layers of concrete. The following summarizes the activities associated with bead blasting.

- All work surfaces will be wetted to minimize dust during removal of concrete surface;
- Bead blasting equipment will be utilized to remove a thin layer of the concrete surface, likely a ¼" or less. The equipment will be fitted with a vacuum attachment equipped with a HEPA filter to collect the material for disposal.
- Upon the completion of the initial removal activities, representative samples will be collected from the surface of the concrete for PCB analysis (USEPA Method 8082 via Soxhlet Extraction) under consultation with USEPA. Samples will be collected by pulverizing the surface of concrete using a hammer drill and a 1"-diameter drill bit. If samples are still found to contain PCBs ≥50 ppm, then additional material will be removed, and the area sampled again. This will continue until samples contain <50 ppm PCBs, or a maximum depth of removal is reached which still maintains structural integrity of the slab (to be determined by others).
- All removed ≥50 ppm PCB concrete will be stored on site in lined, marked, and covered roll-off containers or DOT 55-gallon drums, and will be transported along with the ≥50 ppm floor tile/mastic under a Hazardous Waste Manifest or Bill of Lading and disposed of in accordance with 40 CFR 761.62 as Bulk Product Waste (See Section 3.2.5).
- Remaining concrete with in-place detected concentrations <50 ppm 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. These materials will be transported under a Hazardous Waste Manifest or Bill of Lading and disposed of in accordance with 40 CFR 761.61 as <50 ppm PCB Remediation Waste (see Section 3.2.5).

3.2.5 Waste Management and Off-Site Disposal

The following activities will be completed with regards to the proper storage and disposal of PCB wastes:

- All ≥50 ppm PCB caulk and floor tile/mastic will be designated for disposal as PCB Bulk Product Waste in accordance with 40 CFR 761.62;
- All porous substrate immediately adjacent to ≥50 ppm PCB caulk with concentrations >1 ppm PCBs will also be designated for disposal as PCB Bulk Product Waste in accordance with the PCB Guidance Reinterpretation[4];
- For concrete beneath the ≥50 ppm PCB floor tile/mastic caulk, the following options will be utilized for offsite disposal. If the concrete slab is determined to be <1 ppm PCBs, the concrete will be removed for offsite disposal as construction and debris (C&D) waste, as it falls below the 1 ppm USEPA threshold. If the concrete slab is determined to be <50 ppm PCB, the concrete will be designated for disposal as <50 ppm PCB Remediation Waste in accordance with 40 CFR 761.61;
- All generated non-liquid waste material (PPE, polyethylene sheeting, etc.) will be segregated and containerized in an appropriate waste container and will be designated for disposal as PCB Remediation Waste in accordance with 40 CFR 761.61.
- Water generated during decontamination (or as part of dust suppression) that is collected on polyethylene sheeting will be contained onsite in 55-gallon drums, sampled for PCBs and other

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

potential constituents, and designated for offsite disposal in accordance with 40 CFR 761.79 and/or California hazardous waste regulations, as applicable.

- Secure, lined, and covered waste containers (roll-off or equivalent) or 55-gallon DOT-approved steel containers will be staged in a secured area for the collection of PCB wastes generated during the work activities in accordance with 40 CFR 761.65;
- All containers will be properly labeled and marked in accordance with 40 CFR 761.40;
- Upon completion of the work, or when a container is considered full, Bulk Product Waste and PCB Remediation Waste will be transported off-site for disposal under either a Hazardous Waste Manifest or Bill of Lading (in accordance with both USEPA and California regulations) in accordance with 40 CFR 761 and 22 CCR 66262.23. All operators and trucks will have proper Department of Transportation certificates and vehicle inspection certifications; and
- Copies of all manifests, waste shipment records, and certificates of disposal will be collected and provided as part of the final report to USEPA.

3.2.6 Recordkeeping and Documentation

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

3.3 Schedule

Demolition activities for Building D are tentatively scheduled to begin shortly after USEPA approval of this workplan, in Spring/Summer 2020. Furthermore, work related to the removal of ≥50 ppm PCB building materials and adjacent >1 ppm PCB porous substrate on the 2nd floor is tentatively scheduled to begin as soon as April 6, 2020, during spring break. In April 2020, the District would like to a) remove the flooring materials on the 2nd floor of Building D, b) perform confirmatory sampling of the concrete, and c) perform bead-blasting pilot study of a limited portion of the 2nd floor, if the PCB concentrations are above remedial goals in the concrete slab. The April 2020 work will be conducted only on the 2nd floor of Building D, which will be unoccupied prior to the start of work in April 2020 and will remain unoccupied through the start of demolition. All access to the 2nd floor will be locked/restricted to ensure protection of students and staff once PCB abatement activities have been initiated. As the District has limited space at MHS to move science classrooms around during demolition activities, the abatement of the 1st floor of Building D cannot begin until construction is completed on the new Building A/B. While Building A/B is currently scheduled to be finished by June 2020, if unanticipated delays occur, the abatement of the 1st floor of Building D will need to be postponed.

3.4 Certification

Please see **Appendix A** for a written certification 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 USEPA inspection (§761.61(a)(3)(i)(E)).

4. CONCLUSION

On behalf of SMMUSD, Ramboll requests USEPA approval of this *Notification and Request for Approval, Site-Specific PCB Remediation Waste Plan* under 40 CFR 761.62 and 40 CFR 761.61(a) and (c) associated with the removal of ≥50 ppm PCB building materials and >1 ppm PCB adjacent porous substrate.

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.

5. REFERENCES

Alta Environmental. 2017. PCB Delineation Sampling, Doors and Windows Replacement Project. March 6. Available online: http://fip.smmusd.org/reports/Malibu/Remediation-Plan-Malibu4617(1).pdf

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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.

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

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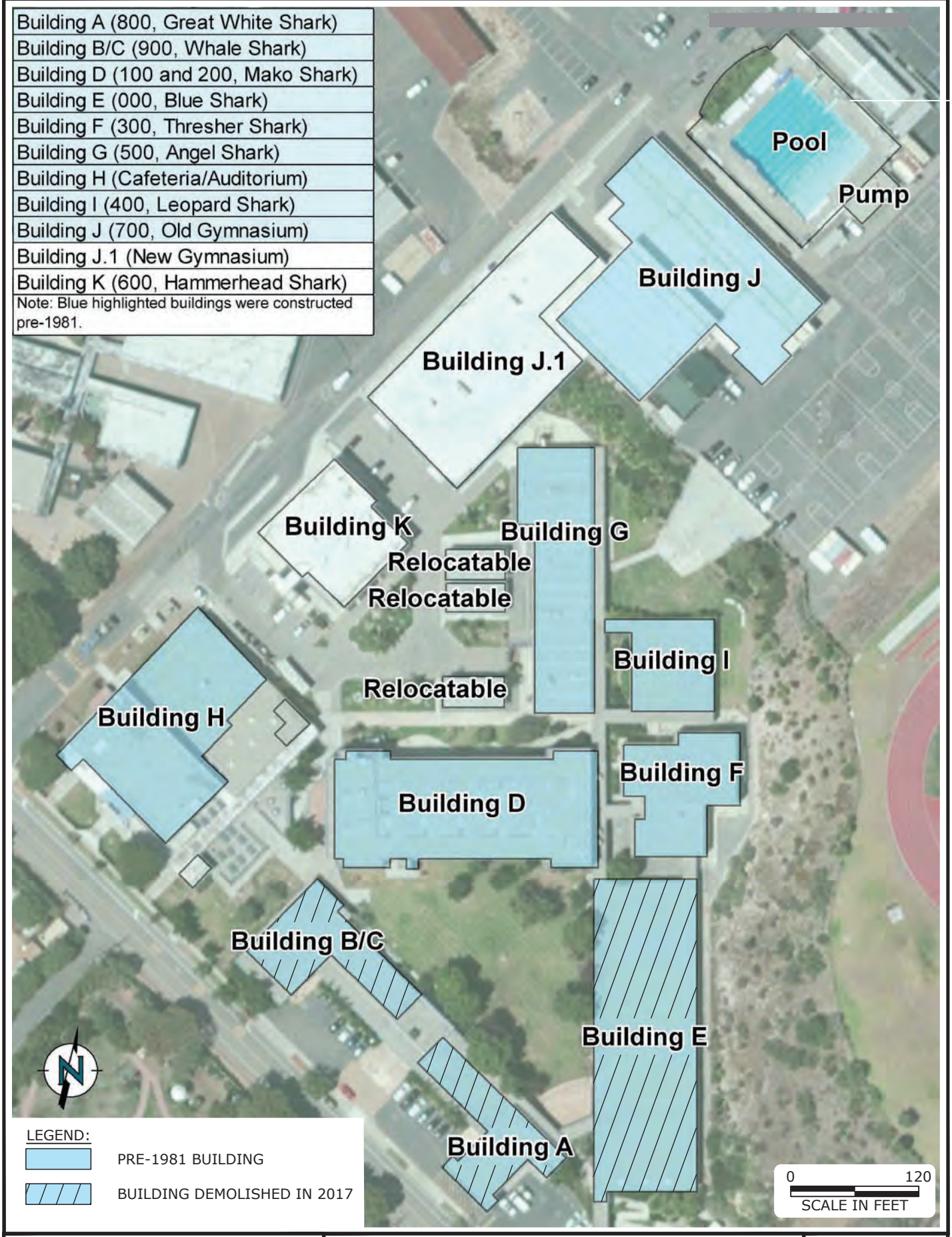
RAMBØLL

FIGURES



RAMBOLL

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

FIGURE
1

DRAFTED BY: DLB | DATE: 03/26/2020 | PROJECT: 1690016528

DBLANCHARD 3/26/20 F:\1690016528_MALIBU HIGH SCHOOL_MWD SAMPLING PLAN < SITE PLAN >

Path: Z:\01_Projects\Malibu High School\03_GIS\Bldg_Investigation_Sampling\Fig1-2_JCES_SitePlan.mxd

RAMBOLL

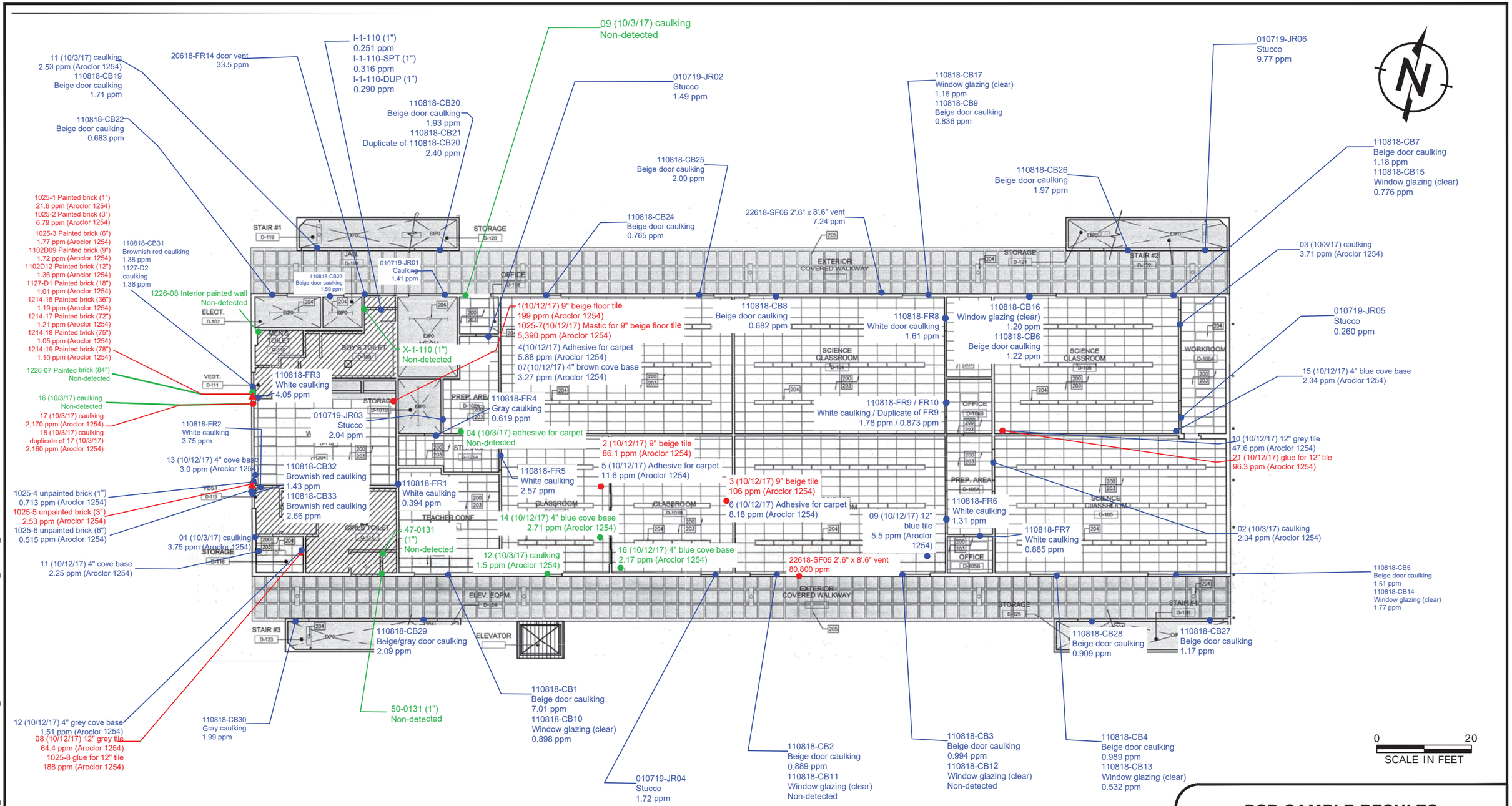
Site Plan for Juan Cabrillo Elementary School

Juan Cabrillo Elementary School
30237 Morning View Drive, Malibu, California

Figure
2

DRAFTED BY: MMG

Date: 3/17/2020



LEGEND:

- SOURCE MATERIALS WITH PCBs >50 ppm
- DELINEATION SAMPLES WITH PCBs >1 ppm
- SOURCE MATERIALS WITH PCBs <50 ppm
- DELINEATION SAMPLES WITH PCBs <1 ppm
- SAMPLES WITH CONCENTRATIONS OF PCBs BELOW LABORATORY DETECTION LIMITS

SOURCE:
ALTA ENVIRONMENTAL. "SAMPLE LOCATION MAP - BUILDING D 1st FLOOR - PCB SAMPLING". DATE: MARCH 2020. PROJECT NO.: SMSD-19-8997.

PCB SAMPLE RESULTS
BUILDING D - FIRST FLOOR

MALIBU HIGH SCHOOL
30215 MORNING VIEW DRIVE
MALIBU, CALIFORNIA

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FIGURE
3

DRAFTED BY: DLB | DATE: 03/19/2020 | PROJECT: 1690016528

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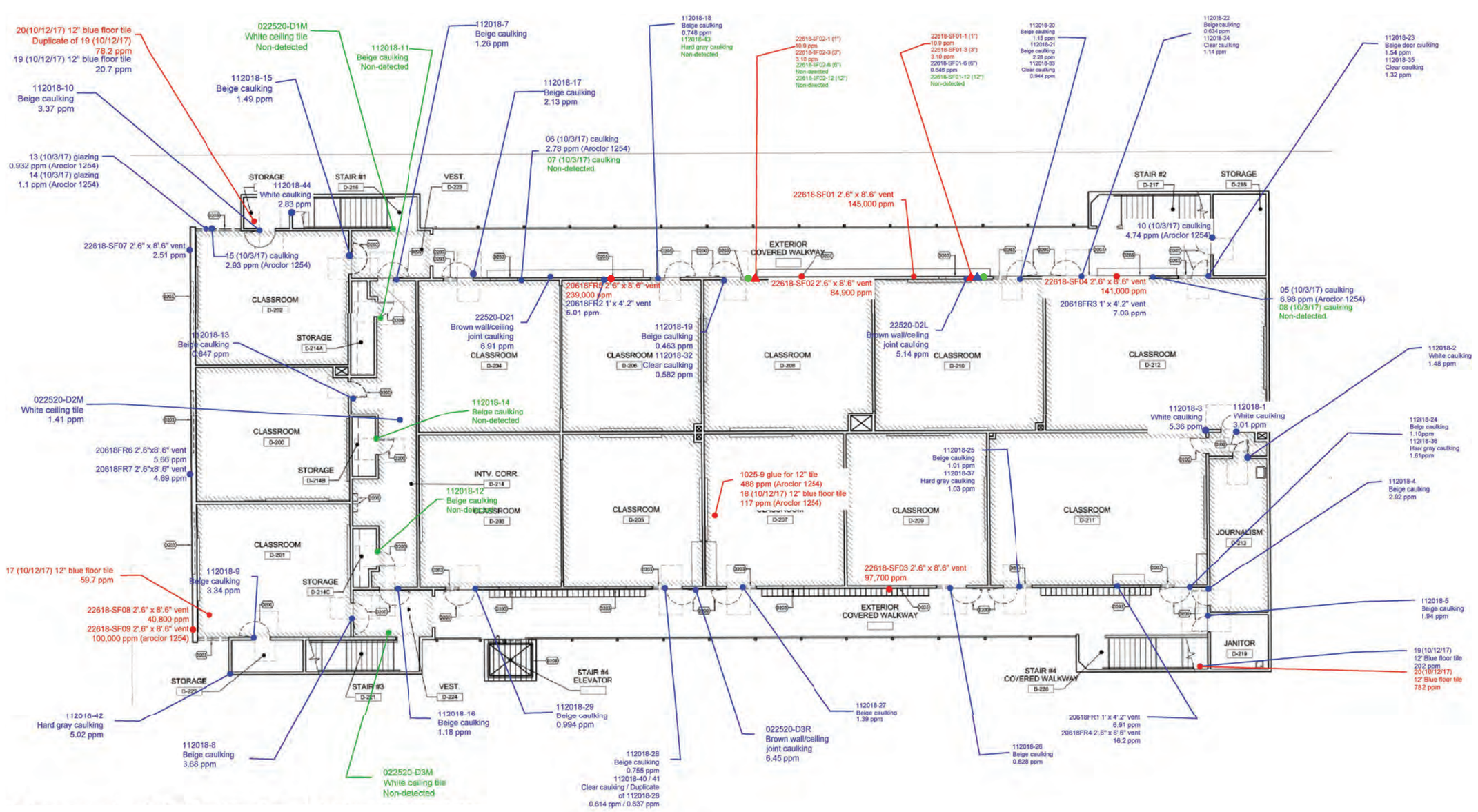

0 20
SCALE IN FEET

LEGEND:

- SOURCE MATERIALS WITH PCBs >50 ppm
- DELINEATION SAMPLES WITH PCBs >1 ppm
- SOURCE MATERIALS WITH PCBs <50 ppm
- DELINEATION SAMPLES WITH PCBs <1 ppm
- SAMPLES WITH CONCENTRATIONS OF PCBs BELOW LABORATORY DETECTION LIMITS

SOURCE:
ALTA ENVIRONMENTAL. "SAMPLE LOCATION MAP - BUILDING D 2nd FLOOR - PCB SAMPLING". DATE: MARCH 2020. PROJECT NO.: SMSD-19-8997.

PCB SAMPLE RESULTS
BUILDING D - SECOND FLOOR

MALIBU HIGH SCHOOL
30215 MORNING VIEW DRIVE
MALIBU, CALIFORNIA

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FIGURE
4

DRAFTED BY: DLB | DATE: 03/19/2020 | PROJECT: 1690016528

0 20
SCALE IN FEET

LEGEND:

- SOURCE MATERIALS WITH PCBs <50 ppm
- SAMPLES WITH CONCENTRATIONS OF PCBs BELOW LABORATORY DETECTION LIMITS

SOURCE:
ALTA ENVIRONMENTAL. "SAMPLE LOCATION MAP - BUILDING D ROOF - PCB SAMPLING". DATE: MARCH 2020. PROJECT NO.: SMSD-19-8997.

PCB SAMPLE RESULTS
BUILDING D - ROOF

MALIBU HIGH SCHOOL
30215 MORNING VIEW DRIVE
MALIBU, CALIFORNIA

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FIGURE
5

DRAFTED BY: DLB | DATE: 03/19/2020 | PROJECT: 1690016528

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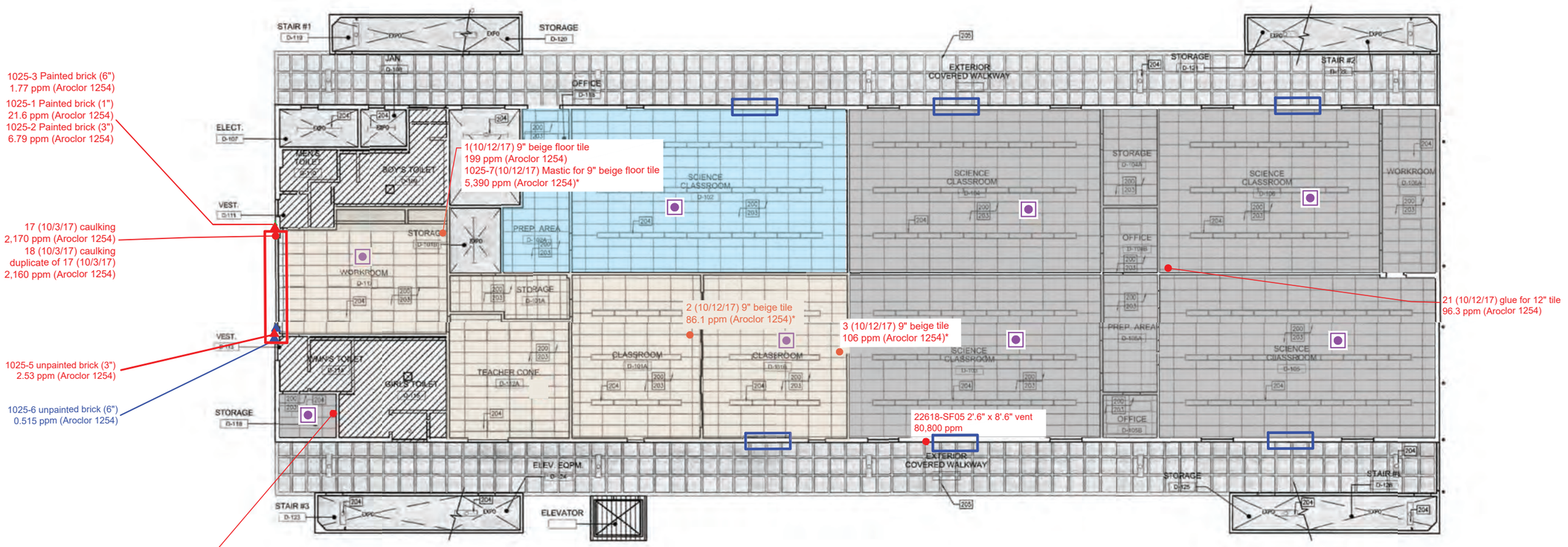

0 20
SCALE IN FEET

LEGEND:

- SOURCE MATERIALS WITH PCBs >50 ppm
- DELINEATION SAMPLES WITH PCBs >1 ppm
- SOURCE MATERIALS WITH PCBs <50 ppm
- DELINEATION SAMPLES WITH PCBs <1 ppm
- SAMPLES WITH CONCENTRATIONS OF PCBs BELOW LABORATORY DETECTION LIMITS
- PROPOSED CONCRETE SAMPLE LOCATION

- AREA OF PCB-IMPACTED LIGHT BLUE FLOOR TILE
- AREA OF PCB-IMPACTED LIGHT GREY FLOOR TILE
- AREA OF PCB-IMPACTED BEIGE FLOOR TILE
- AREA OF PCB-IMPACTED HVAC VENT CAULK
- AREA OF PCB-IMPACTED WINDOW CAULK

* SAMPLE MATERIAL REMOVED AND CONCRETE ENCAPSULATED AFTER FLOOD AS DESCRIBED IN SECTION 2.4.

SOURCE:
ALTA ENVIRONMENTAL. "SAMPLE LOCATION MAP - BUILDING D 1st FLOOR - PCB SAMPLING". DATE: MARCH 2020. PROJECT NO.: SMSD-19-8997.

PCB ABATEMENT AREAS
BUILDING D - FIRST FLOOR

MALIBU HIGH SCHOOL
30215 MORNING VIEW DRIVE
MALIBU, CALIFORNIA

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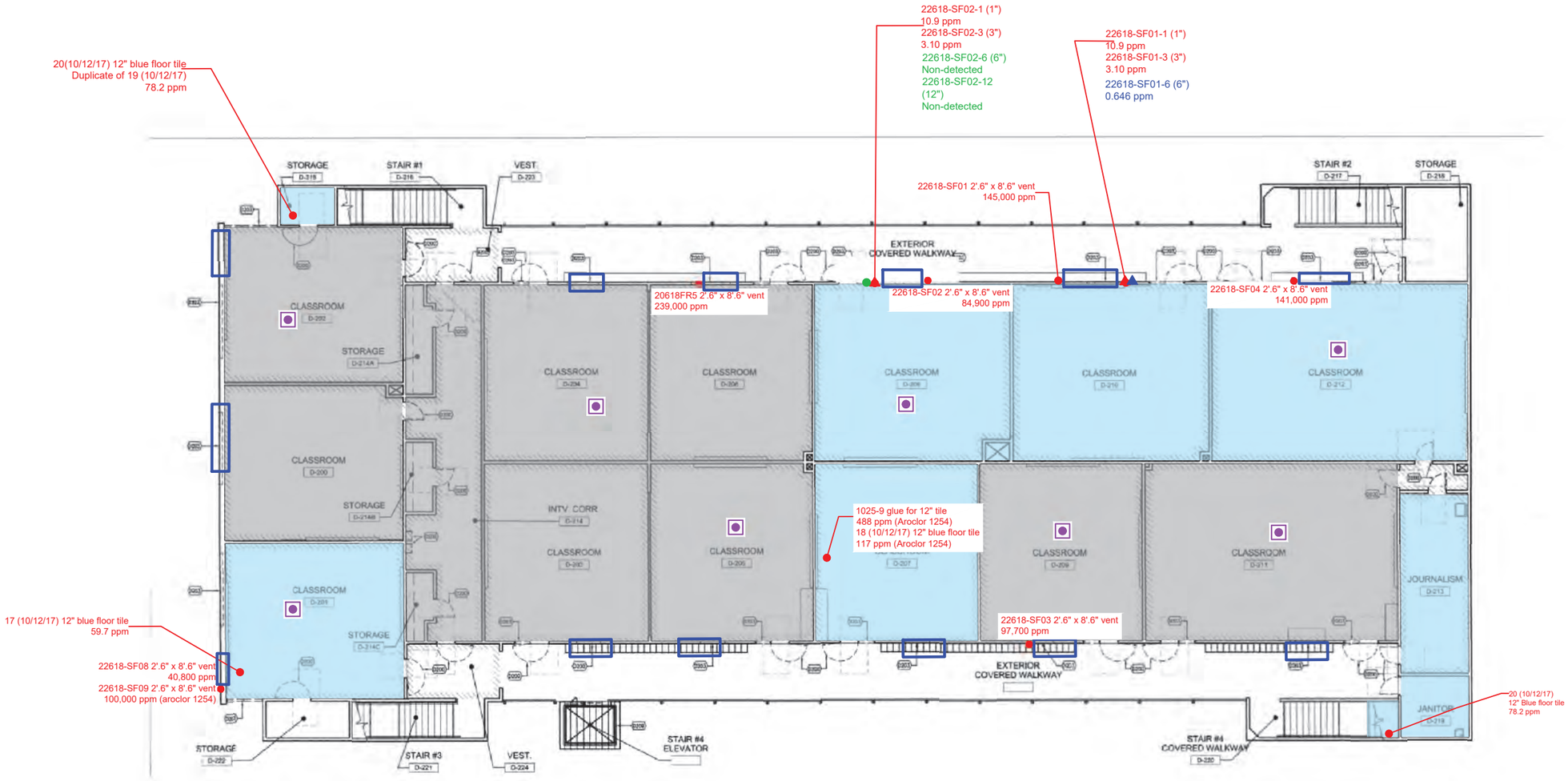
FIGURE
6

DRAFTED BY: DLB | DATE: 03/19/2020 | PROJECT: 1690016528

DBLANCHARD 3/27/20 D:_DONNA\1690016528_MALIBU HIGH SCHOOL_MWD SAMPLING PLAN < SMPL_PROP_BLDG D_FLR 1 >



0 20
SCALE IN FEET

LEGEND:

- SOURCE MATERIALS WITH PCBs >50 ppm
- DELINEATION SAMPLES WITH PCBs >1 ppm
- SOURCE MATERIALS WITH PCBs <50 ppm
- DELINEATION SAMPLES WITH PCBs <1 ppm
- SAMPLES WITH CONCENTRATIONS OF PCBs BELOW LABORATORY DETECTION LIMITS
- PROPOSED CONCRETE SAMPLE LOCATION
- AREA OF PCB-IMPACTED LIGHT BLUE FLOORING
- AREA OF PCB-IMPACTED LIGHT GREY FLOOR TILE FLOORING MATERIAL
- AREA OF PCB-IMPACTED HVAC VENT CAULK

SOURCE:
ALTA ENVIRONMENTAL. "SAMPLE LOCATION MAP - BUILDING D 2nd FLOOR - PCB SAMPLING". DATE: MARCH 2020. PROJECT NO.: SMSD-19-8997.

PCB ABATEMENT AREAS BUILDING D - SECOND FLOOR

MALIBU HIGH SCHOOL
30215 MORNING VIEW DRIVE
MALIBU, CALIFORNIA

RAMBOLL

FIGURE 7

DRAFTED BY: DLB | DATE: 03/19/2020 | PROJECT: 1690016528

DBLANCHARD 3/27/20 D:_DONNA\1690016528_MALIBU HIGH SCHOOL_MWD SAMPLING PLAN < SMPL_PROP_BLDG D_FLR_2 >

TABLES

Table 1
Potentially PCB Impacted Building Materials Sampling Results
Malibu High School
Building D

Room	Sample Number	Component Type	Sample Description	Total PCBs (mg/kg)
First Floor				
101A	02	Floor	9" beige floor tile and black mastic	**86.1**
	05	Floor	Adhesive for carpet	11.6
	14	Wall	4" blue cove base with glue	2.71
	12	Exterior Door	caulk	1.5
Storage RM 101A	110818-FR5	Interior single door	White caulk	2.57
101B	03	Floor	9" beige floor tile and black mastic	**106**
	06	Floor	Adhesive for carpet	8.18
	16	Wall	4" blue cove base with glue	2.17
	010719-JR04	Exterior door	Stucco	1.72
102	110818-CB25	Exterior single door	Beige door caulk	2.09
	110818-CB24	Exterior single door	Beige door caulk	0.765
102A	010719-JR03	Interior door	Stucco	2.04
	110818-FR4	Interior single door	Gray caulk	0.619
	09	Exterior Window	caulk	ND
102B	04	Exterior Door	caulk	ND
103	22618-SF05	2'.6" x 8'.6" vent	caulk	**80,800**
	09	Floor	12" light grey speckled floor tile with glue	5.5
	110818-CB3	Door with window	Beige door caulk	0.994
	110818-CB2	Door with window	Beige door caulk	0.889
	110818-CB11	Window on door frame	Window glazing (clear)	ND
	110818-CB12	Window on door frame	Window glazing (clear)	ND
103A	02	Interior Door	caulk	2.34
	110818-FR6	Interior single door	White caulk	1.31
103B	110818-FR7	Interior single door	White caulk	0.885
104	22618-SF06	2'.6" x 8'.6" vent	caulk	7.24
	110818-CB17	Window on door frame	Window glazing (clear)	1.16
	110818-CB9	Door with window	Beige door caulk	0.836
	110818-CB8	Door with window	Beige door caulk	0.682
104A	110818-FR8	Interior single door	White caulk	1.61
104B	110818-FR9	Interior single door	White caulk	1.78
	110818-FR10	Interior single door	White caulk	0.873
105	110818-CB14	Window on door frame	Window glazing (clear)	1.77
	110818-CB5	Door with window	Beige door caulk	1.51
	110818-CB4	Door with window	Beige door caulk	0.989
	110818-CB13	Window on door frame	Window glazing (clear)	0.532
106	21	Floor	12" light grey speckled floor tile with glue	**96.3**
	10	Floor	12" light grey speckled floor tile with glue	47.6
	110818-CB6	Door with window	Beige door caulk	1.22
	110818-CB16	Window on door frame	Window glazing (clear)	1.20
	110818-CB7	Door with window	Beige door caulk	1.18
	110818-CB15	Window on door frame	Window glazing (clear)	0.776
	010719-JR05	Interior door	Stucco	0.260
106A	03	Interior Door	caulk	3.71
	15	Wall	4" blue cove base with glue	2.34
109	20618-FR14	Door vent	caulk	33.5
112/120	1025-7	Floor	Mastic associated with 9" beige floor tile	**5,390**
	17	Exterior Window	caulk	**2,170**
	18	Exterior window	caulk	**2,160**
	01	Floor	9" beige floor tile and black mastic	**199**
	04	Floor	Adhesive for carpet	5.88
	110818-FR3	Interior single door	White caulk	4.05
	13	Wall	4" grey cove base with glue	3.00
	07	Wall	4" brown cove base and glue	3.27
	110818-CB33	Exterior single door	Brownish red caulk	2.66
	110818-CB32	Exterior single door	Brownish red caulk	1.43
	110818-CB31	Exterior single door	Brownish red caulk	1.38
	1127-D2	Exterior Door	caulk	3.77
	110818-FR2	Interior single door	White caulk	3.75
	16	Exterior Window	Glazing	ND

Table 1
Potentially PCB Impacted Building Materials Sampling Results
Malibu High School
Building D

Room	Sample Number	Component Type	Sample Description	Total PCBs (mg/kg)
112A	110818-CB1	Door with window	Beige door caulk	7.01
	110818-CB10	Window on door frame	Window glazing (clear)	0.898
	110818-FR1	Interior single door	White caulk	0.394
113	1025-8	Floor	Glue associated with 12" light grey speckled floor tile	**188**
	08	Floor	12" light grey speckled floor tile with glue	**64.4**
	01	Interior Door	caulk	3.75
	11	Wall	4" grey covebase with glue	2.25
116	12	Wall	4" grey cove base with glue	1.51
118	010719-JR02	Interior door	Stucco	1.49
122	010719-JR06	Exterior door	Stucco	9.77
Rm 112/120, North of Storefront window	031320-D-P10	Paint	White, gloss w/ off-white beneath (2-layers)	38
Rm 111, vestibule north of Rm 112/120, south of exterior door	031320-D-P11	Paint	White, gloss w/ off-white beneath (2-layers)	12
Rm 111, vestibule north of Rm 112/120, north of exterior door	031320-D-P12	Paint	White, gloss w/ off-white beneath (2-layers)	11
NW Stairwell - 1st Floor	031320-D-P1	Paint	Off-white, Semi-gloss	23
Stair #1 - 1st Floor	11	Exterior Door	caulk	2.53
Storage 1st Floor adjacent Stair #1	110818-CB21	Double door	Beige door caulk	2.40
Storage 1st Floor adjacent Stair #3	110818-CB29	Exterior single door	Beige /Gray caulk	2.09
Stair #3 - 1st Floor	110818-CB30	Exterior single door	Gray caulk	1.99
Stair #2 - 1st Floor	110818-CB26	Exterior single door	Beige door caulk	1.97
Storage 1st Floor adjacent Stair #1	110818-CB20	Double door	Beige door caulk	1.93
Stair #1 - 1st Floor	110818-CB19	Single door	Beige door caulk	1.71
Storage 1st Floor adjacent Boy's Toilet	110818-CB23	Exterior single door	Beige door caulk	1.59
Adjacent to Door RM 118	010719-JR01	Exterior door	caulk	1.41
Stair #4 - 1st Floor	110818-CB27	Exterior single door	Beige door caulk	1.17
Stair #4 - 1st Floor	110818-CB28	Exterior single door	Beige door caulk	0.909
Storage 1st Floor adjacent Men's Toilet	110818-CB22	Exterior single door	Beige door caulk	0.683

Second Floor

200	20618-FR6	2'.6" x 8'.6" vent	caulk	5.66
	112018-13	Interior single door	Beige caulk	0.647
201	22618-SF09	2'.6" x 8'.6" vent	caulk	**100,000**
	22618-SF08	2'.6" x 8'.6" vent	caulk	**40,800**
	17	Floor	12" light blue floor tile with glue	**59.7**
	112018-8	Exterior single door	Beige caulk	3.68
201A	112018-9	Interior single door	Beige caulk	3.34
202	15	Exterior Window	caulk	2.93
	031320-D-P14	Paint	On sand-coat/wall texture, Blue	2.8
	22618-SF07	2'.6" x 8'.6" vent	caulk	2.51
	112018-15	Interior single door	Beige caulk	1.49
	112018-7	Exterior single door	Beige caulk	1.26
	14	Exterior Window	Glazing	1.1
	13	Exterior Window	Glazing	0.932
	031320-D-P13	Paint	On sand-coat/wall texture, Blue	ND
202A	112018-10	Interior single door	Beige caulk	3.37
203	031320-D-P6	Paint	On brick, beige, gloss	13
	112018-29	Exterior door with window panel	Beige caulk	0.994

Table 1
Potentially PCB Impacted Building Materials Sampling Results
Malibu High School
Building D

Room	Sample Number	Component Type	Sample Description	Total PCBs (mg/kg)
204	06	Exterior Door	caulk	2.78
	112018-17	Exterior door with window frame	Beige caulk	2.13
	07	Exterior Window	caulk	ND
	031320-D-P8	Paint	On sand-coat/wall texture, Green	ND
	031320-D-P9	Paint	On sand-coat/wall texture, Green	ND
205	112018-28	Exterior door with window panel	Beige caulk	0.755
	112018-41	Window panel	Clear caulk	0.637
	112018-40	Window panel	Clear caulk	0.614
206	20618-FR5	2'.6" x 8'.6" vent	caulk	**239,000**
	20618-FR2	1' x 4'.2" vent	caulk	5.01
	112018-18	Exterior door with window frame	Beige caulk	0.748
	112018-43	Window panel	Hard gray caulk	ND
207	1025-9	Floor	Glue associated with 12" light blue floor tile	**488**
	18	Floor	12" light blue floor tile with glue	**117**
	112018-27	Exterior door with window panel	Beige caulk	1.39
208	22618-SF02	2'.6" x 8'.6" vent	caulk	**84,900**
	112018-32	Window panel	Clear caulk	0.582
	112018-19	Exterior door with window frame	Beige caulk	0.463
209	22618-SF03	2'.6" x 8'.6" vent	caulk	**97,700**
	112018-26	Exterior door with window panel	Beige caulk	0.628
210	22618-SF01	2'.6" x 8'.6" vent	caulk	**145,000**
	112018-21	Exterior door with window frame	Beige caulk	2.28
	112018-20	Exterior door with window frame	Beige caulk	1.15
	112018-33	Window panel	Clear caulk	0.944
211	20618-FR4	2'.6" x 8'.6" vent	caulk	16.2
	20618-FR1	1' x 4'.2" vent	caulk	6.91
	112018-3	Interior single door	White caulk	5.36
	112018-36	Window panel	Hard gray caulk	1.61
	112018-24	Exterior door with window panel	Beige caulk	1.10
	112018-37	Window panel	Hard gray caulk	1.03
	112018-25	Exterior door with window panel	Beige caulk	1.01
212	22618-SF04	2'.6" x 8'.6" vent	caulk	**141,000**
	20618-FR3	1' x 4'.2" vent	caulk	7.03
	05	Exterior Door	caulk	6.98
	112018-1	Interior single door	White caulk	3.01
	112018-23	Exterior door with window frame	Beige caulk	1.54
	112018-35	Window panel	Clear caulk	1.32
	112018-34	Window panel	Clear caulk	1.14
	112018-22	Exterior door with window frame	Beige caulk	0.634
	08	Exterior Window	caulk	ND
	031320-D-P7	Paint	On sand-coat/wall texture, beige, gloss	ND
213	112018-4	Exterior single door	Beige caulk	2.92
	112018-2	Interior single door	White caulk	1.48
214	10	Exterior Door	caulk	4.74

Table 1
Potentially PCB Impacted Building Materials Sampling Results
Malibu High School
Building D

Room	Sample Number	Component Type	Sample Description	Total PCBs (mg/kg)
214A	112018-11	Interior single door	Beige caulk	ND
214C	112018-12	Interior single door	Beige caulk	ND
215	20	Floor	12" light blue floor tile with glue	**78.2**
	19	Floor	12" light blue floor tile with glue	20.2
219	112018-5	Exterior single door	Beige caulk	1.94
NW Stairwell - 2nd Floor	031320-D-P2	Paint	Off-white, Semi-gloss	15
SW Stairwell - 2nd Floor	031320-D-P5	Paint	Off-white, semi-gloss	15
Rm 202 Roof access stairwell "room"	031320-D-P3	Paint	Beige, gloss	11
2nd Floor indoor hallway, near Rm 200	031320-D-P4	Paint	Beige, semi-gloss	10
Ext between Rm 204/206	022520-D1L	Wall / Ceiling Joint	Caulk - Brown	6.91
Ext between Rm 205/207	022520-D3R	Wall / Ceiling Joint	Caulk - Brown	6.45
Ext Room 210	022520-D2L	Wall / Ceiling Joint	Caulk - Brown	5.14
Storage off RM 201	112018-42	Window panel	Hard gray caulk	5.02
Storage off RM 202	112018-44	Interior door	White caulk	2.83
Door adjacent RM 201	112018-16	Interior single door	Beige caulk	1.18
West Indoor Hallway	022520-D2M	Acoustic Ceiling Tile	Mastic	1.41
NW Stairwell	022520-D1M	Acoustic Ceiling Tile	Mastic	ND
SW Stairwell	022520-D3M	Acoustic Ceiling Tile	Mastic	ND
Storage off RM 200	112018-14	Interior single door	Beige caulk	ND
Roof				
--	022720-D-R1	3' x 6' Equipment Pad	Sealant Material - Black	ND
--	022720-D-R2	8" Pipe vent	Sealant Material - Tar	ND
--	022720-D-R3	8" Pipe vent	Sealant Material - Tar	ND
--	022720-D-R4	8" Pipe vent	Sealant Material - Tar	ND
--	022720-D-R5	Metal Flashing	Caulk - White	ND
--	022720-D-R6	Metal Flashing	Caulk - White	1.56
--	022720-D-R7	Metal Flashing	Caulk - White	3.01
--	022720-D-R8	Metal Ductwork	Sealant - Gray	2.31
--	022720-D-R9	Metal Ductwork	Sealant - Gray	ND
--	022720-D-R10	Metal Ductwork	Sealant - Gray	ND
--	022720-D-R11	3' x 6' Equipment Pad	Sealant Material - Black	2.72
--	022720-D-R12	3' x 6' Equipment Pad	Sealant Material - Black	ND

Notes:
PCB - Polychlorinated biphenyl
mg/kg - Milligram per kilogram
Gray shading indicates exceedance of TSCA Threshold for building materials manufactured with PCBs (i.e. >50 mg/kg)
ND - Not detected above laboratory reporting limit

Table 2
Adjacent Porous Substrate Delineation Sampling Results
Malibu High School
Building D

Room	Sample Number	Component ID	Sample Description	Total PCBs (ppm)
First Floor				
110	I-1-110-SPT	Plaster	Interior - 1" from door frame	0.316
	I-1-110-DUP	Plaster	Duplicate - Interior 1" from door frame, split	0.290
	I-1-110	Plaster	Interior - 1" from door frame	0.251
	X-1-110	Stucco	Exterior - 1" from door frame	ND
112	1025-1	Window panel	Interior 1" from window frame (painted brick)	**21.60**
	1025-2	Window panel	Interior 3" from window frame (painted brick)	**6.79**
	1025-5	Window panel	Exterior 3" from window frame (unpainted brick)	**2.53**
	1025-3	Window panel	Interior 6" from window frame (painted brick)	**1.77**
	1102D09	Window panel	Interior 9" from window frame (painted brick)	**1.72**
	1102D12	Window panel	Interior 12" from window frame (painted brick)	**1.36**
	1214-17	Window panel	Interior 72" from window frame (painted brick)	**1.21**
	1214-15	Window panel	Interior 36" from window frame (painted brick)	**1.19**
	1214-19	Window panel	Interior 78" from window frame (painted brick)	**1.10**
	1214-18	Window panel	Interior 75" from window frame (painted brick)	**1.05**
	1127-01/D1	Window panel	Interior 18" from window frame (painted brick)	**1.01**
	1025-4	Window panel	Exterior 1" from window frame (unpainted brick)	0.713
	1025-6	Window panel	Exterior 6" from window frame (unpainted brick)	0.515
	1226-07	Window panel	Interior 84" from window frame (painted brick)	ND
	1226-08	Window panel	Interior painted wall	ND
115	47-0131	Plaster	1"- Interior girls restroom door, southeast door, approx. 6' up	ND
	50-0131	Stucco	1"- Exterior girls restroom door, southeast door, approx. 6' up	ND
Second Floor				
Ext. Adjacent RM 208	22618-SF02-1	Brick	Exterior 1" from HVAC vent	**10.9**
	22618-SF02-3	Brick	Exterior 3" from HVAC vent	**3.1**
	22618-SF02-6	Brick	Exterior 6" from HVAC vent	ND
	22618-SF02-12	Brick	Exterior 12" from HVAC vent	ND
Ext. Adjacent RM 210	22618-SF01-1	Brick	Exterior 1" from HVAC vent	**9.92**
	22618-SF01-3	Brick	Exterior 3" from HVAC vent	**2.56**
	22618-SF01-6	Brick	Exterior 6" from HVAC vent	0.646
	22618-SF01-12	Brick	Exterior 12" from HVAC vent	ND

Notes:
PCB - Polychlorinated biphenyl
mg/kg - Milligram per kilogram
Gray shading indicates exceedance of TSCA Threshold for Adjacent Porous Substrate (i.e. >1 mg/kg)
ND - Not detected above laboratory reporting limit

APPENDIX A
CERTIFICATION

CERTIFICATION

Notification and Request for Approval, Site-Specific PCB Remediation Waste Plan for demolition of Building D at Malibu High School, Santa Monica-Malibu Unified School District, 30215 Morning View Drive, Malibu, CA

Cleanup activities are planned for Building D at Malibu High School located at 30215 Morning View Drive, Malibu, California ("Site") as described in the above PCB Remediation Waste Plan. In accordance with 40 CFR 761.61(a)(3)(i)(E) and 761.61(c), the undersigned parties hereby certify 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 Site are on file and available for USEPA inspection at the offices of SMMUSD, 1651 Sixteenth Street, Santa Monica, CA 90404.

Each person signing this document represents that he or she is authorized to do so on behalf of the party for whom such execution is made.

Santa Monica-Malibu Unified School District

Signature: Carey Upton

Name: Digitally signed by Carey Upton

Title: DN: cn=Carey Upton, o=SMMUSD, ou=Chief Operations Officer, email=cupton@smmusd.org, c=US

Date: Date: 2020.03.24 12:12:32 -07'00'

APPENDIX B
LABORATORY REPORTS

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

Date: December 7, 2016

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

Project: **SMSD-16-6522**
Lab I.D.: **161130-60 through -76**

Dear Mr. Ruvalcaba:

The **analytical results** for the solid samples, received by our laboratory on November 30, 2016, 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: **SMSD-16-6522**

DATE RECEIVED:11/30/16
DATE SAMPLED:11/29/16 DATE EXTRACTED:12/05/16
MATRIX:SOLID DATE ANALYZED:12/05&06/16
REPORT TO:MR. CESAR RUVALCABA DATE REPORTED:12/07/16

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

SAMPLE I.D.	LAB I.D.	PCB-1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260	TOTAL PCBs*	DF
X-1-S506M	161130-60	ND	ND	ND	ND	ND	3.41	ND	3.41	100
X-1-W506M	161130-61	ND	ND	ND	ND	ND	1.16	ND	1.16	10
X-1-301D	161130-62	ND	ND	ND	ND	ND	ND	ND	ND	10^
X-1-S506M-SPT	161130-65	ND	ND	ND	ND	ND	2.67	ND	2.67	50
I-1-301D	161130-66	ND	ND	ND	ND	ND	ND	0.811	0.811	20
X-1-110	161130-68	ND	ND	ND	ND	ND	ND	ND	ND	10^
I-1-110	161130-71	ND	ND	ND	ND	ND	0.251	ND	0.251	10
I-1-110-DUP	161130-72	ND	ND	ND	ND	ND	0.290	ND	0.290	10
I-1-110-SPT	161130-73	ND	ND	ND	ND	ND	0.316	ND	0.316	10
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1
	PQL	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	

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

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

Enviro-Chem, Inc.

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

EPA 8082 QA/QC Report

Matrix: **Soil/Solid/Sludge** Date Analyzed: 12/5-6/2016

Unit: mg/Kg(PPM)

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

Spiked Sample Lab I.D.: 161205-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%**	0.080	**80%**	**9%**	**0-20%**	**70-130**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	0.100	0.092	**92%**	**75-125**

Surrogate Recovery	ACP%	ACP%	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	161130-49	161130-50	161130-51	161130-52	161130-53	161130-54
Tetra-chloro-meta-xylene	50-150	108%	119%	110%	122%	131%	126%	125%
Decachlorobipneyl	50-150	67%	75%	66%	79%	80%	84%	81%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	161130-55	161130-56	161130-57	161130-58	161130-59	161130-60	161130-61	161130-62
Tetra-chloro-meta-xylene	102%	113%	109%	131%	127%	123%	112%	111%
Decachlorobipneyl	66%	84%	70%	84%	73%	71%	88%	69%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	161130-65	161130-66	16130-68	161130-71	161130-72	161130-73
Tetra-chloro-meta-xylene	122%	126%	112%	115%	119%	131%
Decachlorobipneyl	68%	77%	69%	71%	76%	82%

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

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

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

Analyzed and Reviewed By:

Final Reviewer: _____

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

LABORATORY REPORT

CUSTOMER: **Alta Environmental**
3777 Long Beach Blvd, Annex Building, Long Beach, CA 90807
Tel:(562)495-5777 Email:Cesar.Ruvalcaba@altaenviron.com
PROJECT: **SMSD-16-6522**

DATE RECEIVED:11/30/16
DATE SAMPLED:11/29/16 DATE EXTRACTED:12/05/16
MATRIX:SOLID DATE ANALYZED:12/06/16
REPORT TO:MR. CESAR RUVALCABA DATE REPORTED:12/07/16

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

SAMPLE I.D.	LAB I.D.	PCB-1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260	TOTAL PCBs*	DF
Rinse Set	161130-76	ND	ND	ND	ND	ND	ND	ND	ND	1
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1
	PQL	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	

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

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

Enviro-Chem, Inc.

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

EPA 8082 QA/QC Report

Matrix: **Soil/Solid/Sludge** Date Analyzed: 12/5-6/2016

Unit: mg/Kg(PPM)

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

Spiked Sample Lab I.D.: **161130-122 MS/MSD**

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
PCB (1016+1260)	0.000	0.100	0.094	**94%**	0.098	**98%**	**5%**	**0-20%**	**70-130**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	0.100	0.086	**86%**	**75-125**

Surrogate Recovery	ACP%	ACP%	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	161130-76	161201-5	161201-6	161201-7	161201-8	161130-118
Tetra-chloro-meta-xylene	50-150	108%	124%	72%	146%	115%	131%	112%
Decachlorobipneyl	50-150	70%	74%	63%	132%	92%	73%	62%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	161130-119	161130-120	161130-121	161130-122				
Tetra-chloro-meta-xylene	98%	138%	114%	109%				
Decachlorobipneyl	59%	87%	64%	67%				

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

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

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

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

Analyzed and Reviewed By: _____

Final Reviewer: _____

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

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

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	EPA method 8082 (PCBs)									Misc./PO#
								Analysis Required									COMMENTS
X-1-S506M	161130-60	11/29/16	1820		1	4°C	ice	X									
I-1-WS06M	-61		1826														
X-1-301D	-62		1850														
X-3-301D	-63		1852														archive
X-6-301D	-64		1853														archive
X-1-S506M-SPT	-65		1870														
I-1-301D	-66		1857														
I-3-301D	-67		1859														archive
X-1-110	-68		1920														
X-3-110	-69		1922														archive
X-6-110	-70		1924														archive
I-1-110	-71		1928														
I-1-110-DUP	-72		1929														
I-1-110-SPT	-73		1930														
I-3-110	-74		1930 TR														archive

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

Project Contact: Cesar Ruvalcaba
Tel: 562-495-5777
Fax/Email: Cesar.Ruvalcaba@altaenviron.com

Sampler's Signature: F. Ruvalcaba / T. Rizami

Project Name/ID: SMSD-16-6522

Relinquished by: F. Ruvalcaba	Received by: T. Rizami	Date & Time: 11/30/16 2300	Instructions for Sample Storage After Analysis:
Relinquished by: T. Rizami	Received by: CURTIS DESILVA	Date & Time: 12/1/16 750	O Dispose of O Return to Client O Store (30 Days)
Relinquished by: CURTIS DESILVA	Received by:	Date & Time: 11/30/16 1145	O Other:

CHAIN OF CUSTODY RECORD

Date: 11-29-16

WHITE WITH SAMPLE • YELLOW TO CLIENT

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

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

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	EDA method 8321 (RCRA)	Misc./PO#	COMMENTS
					Analysis Required					
I-6-110	161130-75	11/29	1934		1	4°C	ice	x		archive
rinse set	1-76	1	1940		1	4°C	ice	x		

Company Name: Alta Environmental
Address: 3777 Long Beach Blvd, Annex Bldg
City/State/Zip: Long Beach, Ca. 90807
Project Contact: Cesar Ruvalcaba
Tel:
Fax/Email: cesar.ruvalcaba@altaenviron.com
Sampler's Signature: F. Ruvalcaba / T. Rizzani
Project Name/ID: SMSD-16-6522

Relinquished by: F. Ruvalcaba 2300
Relinquished by: T. Rizzani
Relinquished by: Curtis Desilets
Received by: Therese Rizzani
Received by: Curtis Desilets
Received by:
Date & Time: 11/29/16 2300
Date & Time: 11/30/16 950
Date & Time: 11/30/16 1141

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

CHAIN OF CUSTODY RECORD

Date: 11-29-16

WHITE WITH SAMPLE • YELLOW TO CLIENT

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

Date: February 8, 2017

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

Project: **Malibu FIG+D, Additional Step-Out Sampling**
Lab I.D.: **170201-27 through -75**

Dear Mr. Ruvalcaba:

The **analytical results** for the solid samples, received by our laboratory on February 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 FIG+D, Additional Step-Out Sampling**

DATE SAMPLED:01/31/17
MATRIX:SOLID
REPORT TO:MR. CESAR RUVALCABA

DATE RECEIVED:02/01/17
DATE EXTRACTED:02/06/17
DATE ANALYZED:02/06/17
DATE REPORTED:02/08/17

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

SAMPLE I.D.	LAB I.D.	PCB-1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260	TOTAL PCBs*	DF
01-0131	170201-27	ND	ND	ND	ND	ND	3.02	ND	3.02	1
02-0131	170201-28	ND	ND	ND	ND	ND	ND	ND	ND	1
03-0131	170201-29	ND	ND	ND	ND	ND	ND	ND	ND	1
04-0131	170201-30	ND	ND	ND	ND	ND	ND	ND	ND	1
05-0131	170201-31	ND	ND	ND	ND	ND	ND	ND	ND	1
06-0131	170201-32	ND	ND	ND	ND	ND	ND	ND	ND	1
07-0131	170201-33	ND	ND	ND	ND	ND	ND	ND	ND	1
08-0131	170201-34	ND	ND	ND	ND	ND	ND	ND	ND	1
09-0131	170201-35	ND	ND	ND	ND	ND	ND	ND	ND	1
10-0131	170201-36	ND	ND	ND	ND	ND	2.74	ND	2.74	1
11A-0131	170201-37	ND	ND	ND	ND	ND	3.09	ND	3.09	1
12-0131	170201-38	ND	ND	ND	ND	ND	1.64	ND	1.64	1
13-0131	170201-39	ND	ND	ND	ND	ND	ND	ND	ND	1
14-0131	170201-40	ND	ND	ND	ND	ND	ND	ND	ND	1
15-0131	170201-41	ND	ND	ND	ND	ND	ND	ND	ND	1
18-0131	170201-44	ND	ND	ND	ND	ND	ND	ND	ND	1
21-0131	170201-47	ND	ND	ND	ND	ND	ND	ND	ND	1
25-0131	170201-50	ND	ND	ND	ND	ND	ND	ND	ND	1
28-0131	170201-53	ND	ND	ND	ND	ND	ND	ND	ND	1
31-0131	170201-56	ND	ND	ND	ND	ND	ND	ND	ND	1
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1
	PQL	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	

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

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

Enviro-Chem, Inc.

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

EPA 8082 QA/QC Report

Matrix: **Soil/Solid/Sludge** Date Analyzed: 2/6/2017

Unit: mg/Kg(PPM)

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

Spiked Sample Lab I.D.: 170206-LCS1/2

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
PCB (1016+1260)	0.000	0.100	0.095	**95%**	0.099	**99%**	**4%**	**0-20%**	**70-130**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	0.100	0.107	**107%**	**75-125**

Surrogate Recovery	ACP%	ACP%	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	170201-27	170201-28	170201-29	170201-30	170201-31	170201-32
Tetra-chloro-meta-xylene	50-150	125%	123%	122%	128%	116%	126%	131%
Decachlorobipneyl	50-150	97%	90%	88%	86%	76%	92%	86%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	170201-33	170201-34	170201-35	170201-36	170201-37	170201-38	170201-39	170201-40
Tetra-chloro-meta-xylene	140%	126%	130%	125%	127%	114%	124%	124%
Decachlorobipneyl	112%	105%	103%	93%	87%	84%	82%	83%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	170201-41	170201-44	170201-47	170201-50	170201-53	170201-56
Tetra-chloro-meta-xylene	128%	130%	120%	115%	115%	123%
Decachlorobipneyl	82%	81%	78%	73%	74%	77%

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

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

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

Analyzed and Reviewed By: _____

Final Reviewer: _____

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

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 FIG+D, Additional Step-Out Sampling**

DATE SAMPLED:01/31/17 DATE RECEIVED:02/01/17
MATRIX:SOLID DATE EXTRACTED:02/06/17
REPORT TO:MR. CESAR RUVALCABA DATE ANALYZED:02/06/17
DATE REPORTED:02/08/17

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

SAMPLE I.D.	LAB I.D.	PCB-1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260	TOTAL PCBs*	DF
34-0131	170201-59	ND	ND	ND	ND	ND	ND	ND	ND	1
37-0131	170201-61	ND	ND	ND	ND	ND	ND	ND	ND	1
40-0131	170201-64	ND	ND	ND	ND	ND	ND	ND	ND	1
44-0131	170201-67	ND	ND	ND	ND	ND	ND	ND	ND	1
47-0131	170201-70	ND	ND	ND	ND	ND	ND	ND	ND	1
50-0131	170201-73	ND	ND	ND	ND	ND	ND	ND	ND	1
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1
	PQL	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	

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

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

Enviro-Chem, Inc.

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

EPA 8082 QA/QC Report

Matrix: **Soil/Solid/Sludge** Date Analyzed: 2/6/2017

Unit: mg/Kg(PPM)

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

Spiked Sample Lab I.D.: 170206-LCS1/2

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
PCB (1016+1260)	0.000	0.100	0.090	**90%**	0.088	**88%**	**1%**	**0-20%**	**70-130**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	0.100	0.113	**113%**	**75-125**

Surrogate Recovery	ACP%	ACP%	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	170201-59	170201-61	170201-64	170201-67	170201-70	170201-73
Tetra-chloro-meta-xylene	50-150	130%	127%	120%	115%	124%	123%	127%
Decachlorobipneyl	50-150	87%	82%	79%	75%	76%	78%	79%

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

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

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

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

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

Analyzed and Reviewed By:

Final Reviewer:

Gmail

Jessica Huang <jh04envirocheminc@gmail.com>

Fwd: FW: request to revise reports lab # 170201, and 170131-FORGOT TO ADD THE ATTACHMENTS

Jessica Lin <envirocheminc@gmail.com> Tue, Mar 7, 2017 at 8:33 AM
To: Jessica Huang <jh04envirocheminc@gmail.com>

---------- Forwarded message ----------
From: **Curtis B. Desilets** <curt.envirocheminc@gmail.com>
Date: Mon, Mar 6, 2017 at 4:47 PM
Subject: Fwd: FW: request to revise reports lab # 170201, and 170131-FORGOT TO ADD THE ATTACHMENTS
To: Jessica Lin <envirocheminc@gmail.com>

---------- Forwarded message ----------
From: **Cesar Ruvalcaba** <Cesar.Ruvalcaba@altaenviron.com>
Date: Mon, Mar 6, 2017 at 4:42 PM
Subject: FW: request to revise reports lab # 170201, and 170131-FORGOT TO ADD THE ATTACHMENTS
To: "Curtis B. Desilets" <curt.envirocheminc@gmail.com>

Please revise the reports to correctly reflect the project. It should be "Malibu FIG+D, Additional Step-out Sampling" and P.O. # Should be " SMSD-16-6522". Our inspector noted the incorrect job, he noted Webster ES... and SMSD-16-6424.1.

Thanks.

Cesar Ruvalcaba

PROJECT MANAGER

ALTA ENVIRONMENTAL

Expertise to Reduce Your Environmental and Safety Risks

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

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

Cesar.Ruvalcba@altaenviron.com | www.altaenviron.com

2017 Compliance Calendar **download here.**

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

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

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

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

Misc./PO# SMSD-16-6522

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required: EPA Method 8082 PCB	COMMENTS
1-0131	17020-27	01/31/17	1627	Bulk	4 oz Jar	Ice		X	
2-0131	-28		1630					X	
3-0131	-29		1633					X	
4-0131	-30		1636					X	
5-0131	-31		1639					X	
6-0131	-32		1642					X	
7-0131	-33		1659					X	
8-0131	-34		1701					X	
9-0131	-35		1703					X	
10-0131	-36		1710					X	
11A-0131	-37		1713					X	
12-0131	-38		1715					X	
13-0131	-39		1722					X	
14-0131	-40		1725					X	
15-0131	-41		1740					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: 8/6/17
Project Name/ID: ~~Webster ES, Additional Step-out~~ Mg Liba F16HD, Additional Step out Sampling

Relinquished by:	2-1-17 1430	Received by:	2/1/17 1427
Relinquished by:		Received by:	Date & Time:
Relinquished by:		Received by:	Date & Time:

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

Date: 01/31/17

CHAIN OF CUSTODY RECORD

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

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

Misc./PO# @ 2/6/17
~~SMSD-16-6424.1~~
SMSD-16-6522

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No OF CONTAINERS	TEMPERATURE	PRESERVATION	EPA Method 8082 PCB	COMMENTS
16 -0131	17020-42	01/31/17	1742	Bulk			Ice	X	archive
17 -0131	-43		1744					X	archive
18 -0131	-44		1747					X	
19 -0131	-45		1749					X	archive
20 -0131	-46		1752					X	archive
21 -0131	-47		1800					X	
23 -0131	-48		1803					X	archive
24 -0131	-49		1805					X	archive
25 -0131	-50		1806					X	
26 -0131	-51		1809					X	archive
27 -0131	-52		1811					X	archive
28 -0131	-53		1818					X	
29 -0131	-54		1820					X	archive
30 -0131	-55		1822					X	archive
31 -0131	-56		1825					X	

Analysis Required

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: @ 2/6/17
Project Name/ID: ~~Webster ES, Additional Step-out~~ Malby F16 AD, Additional Step-out samples

Relinquished by: 2-1-17 1470
Relinquished by:
Relinquished by:
Received by:
Received by:
Received by:
Date & Time 2/1/17 1421
Date & Time
Date & Time

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

Date: 01/31/17

CHAIN OF CUSTODY RECORD

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

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

Misc./PO#
~~SMSD-16-6424~~
SMSD-16-6522

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required: EPA Method 8082 PCB	COMMENTS
32-0131	17020-57	01/31/17	1827	Bulk			Ice		
33-0131	-58		1830						archive
34-0131	-59		1910						archive
35-0131	-60		1912						
37-0131	-61		1914						archive
38-0131	-62		1916						
39-0131	-63		1918						archive
40-0131	-64		1920						archive
42-0131	-65		1923						
43-0131	-66		1926						archive
44-0131	-67		1929						archive
45-0131	-68		1932						
46-0131	-69		1935						archive
47-0131	-70		2015						archive
48-0131	-71		2017						archive

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:
Project Name/ID: ~~Webster ES, Additional Step-out~~ 4/3/6/17 NgLbu F16+D, Additional Step out sampling

Relinquished by: [signature] 2-1-17 1420	Received by: [signature]	2-1-17 1427	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	Date & Time:	O Dispose of O Return to Client ☒ Store (30 Days)
Relinquished by:	Received by:	Date & Time:	O Other:

Date: 01/31/17

CHAIN OF CUSTODY RECORD

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

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

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	EPA Method 8082 PCB	Misc./PO# SMSD-16-6522	COMMENTS
49 -0131	7020 -72	01/31/17	2020	Bulk			Ice	X		archive
80 -0131	-73		2023					X		
81 -0131	-74		2025					X		archive
82-0131	-75		2028					X		archive

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: @ 2/6/17
Project Name/ID: ~~Webster GS. Additional Step-out~~ Malibu FG FD, Additional Step-out samples

Relinquished by:	2-1-17 1430	Received by:	Date & Time 2/1/17 1427
Relinquished by:		Received by:	Date & Time
Relinquished by:		Received by:	Date & Time

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

Date: 01/31/17

CHAIN OF CUSTODY RECORD

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

Date: October 11, 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. D**
Lab I.D.: **171004-17 through -34**

Dear Mr. Ruvalcaba:

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

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. D**

DATE SAMPLED:10/03/17
MATRIX:SOLID
REPORT TO:MR. CESAR RUVALCABA

DATE RECEIVED:10/04/17
DATE EXTRACTED:10/04-05/17
DATE ANALYZED:10/05-11/17
DATE REPORTED:10/11/17

PCBs ANALYSIS; PAGE 1 OF 1
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
01	171004-17	ND	ND	ND	ND	ND	3.75	ND	3.75	1
02	171004-18	ND	ND	ND	ND	ND	2.34	ND	2.34	1
03	171004-19	ND	ND	ND	ND	ND	3.71	ND	3.71	2
04	171004-20	ND	ND	ND	ND	ND	ND	ND	ND	1
05	171004-21	ND	ND	ND	ND	ND	6.98	ND	6.98	1
06	171004-22	ND	ND	ND	ND	ND	2.78	ND	2.78	1
07	171004-23	ND	ND	ND	ND	ND	ND	ND	ND	1
08	171004-24	ND	ND	ND	ND	ND	ND	ND	ND	1
09	171004-25	ND	ND	ND	ND	ND	ND	ND	ND	1
10	171004-26	ND	ND	ND	ND	ND	4.74	ND	4.74	2
11	171004-27	ND	ND	ND	ND	ND	2.53	ND	2.53	1
12	171004-28	ND	ND	ND	ND	ND	1.50	ND	1.50	1
13	171004-29	ND	ND	ND	ND	ND	0.932	ND	0.932	1
14	171004-30	ND	ND	ND	ND	ND	1.10	ND	1.10	1
15	171004-31	ND	ND	ND	ND	ND	2.93	ND	2.93	1
16	171004-32	ND	ND	ND	ND	ND	ND	ND	ND	1
17	171004-33	ND	ND	ND	ND	ND	2170	ND	2170	400
18	171004-34	ND	ND	ND	ND	ND	2160	ND	2160	400
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1
	PQL	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	

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

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

Enviro-Chem, Inc.

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

EPA 8082 QA/QC Report

Matrix: **Soil/Solid/Sludge** Date Analyzed: 10/5-6/2017

Unit: mg/Kg(PPM)

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

Spiked Sample Lab I.D.: 171005-LCS1/2

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
PCB (1016+1260)	0.000	0.100	0.081	**81%**	0.072	**72%**	**11%**	**0-20%**	**70-130**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	0.100	0.110	**110%**	**75-125**

Surrogate Recovery	ACP%	ACP%	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	171004-17	171004-18	171004-19	171004-23	171004-24	171004-25
Tetra-chloro-meta-xylene	50-150	83%	141%	113%	136%	84%	119%	116%
Decachlorobipneyl	50-150	83%	137%	113%	95%	84%	123%	107%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	171004-26	171004-27	171004-33	171004-34				
Tetra-chloro-meta-xylene	124%	138%	134%	149%				
Decachlorobipneyl	63%	66%	70%	79%				

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

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

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

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

Analyzed and Reviewed By: _____

Final Reviewer: _____

Enviro-Chem, Inc.

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

EPA 8082 QA/QC Report

Matrix: **Soil/Solid/Sludge** Date Analyzed: 10/11/2017

Unit: mg/Kg(PPM)

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

Spiked Sample Lab I.D.: **171011-LCS1/2**

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
PCB (1016+1260)	0.000	0.100	0.077	**77%**	0.073	**73%**	**5%**	**0-20%**	**70-130**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	0.100	0.100	**100%**	**75-125**

Surrogate Recovery	ACP%	ACP%	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	171004-20	171004-21	171004-22	171004-28	171004-29	171004-30
Tetra-chloro-meta-xylene	50-150	83%	94%	56%	79%	81%	66%	94%
Decachlorobipneyl	50-150	83%	122%	124%	147%	138%	132%	136%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	171004-31	171004-32						
Tetra-chloro-meta-xylene	9860%	56%						
Decachlorobipneyl	136%	150%						

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

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

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

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

Analyzed and Reviewed By: _____

Final Reviewer: _____

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

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

Misc./PO# SMSO-17-723

special extraction

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required: EPA Method 8082 PCBs	COMMENTS
01	171004-17	10-3-17	1600	Bulk	1		ICE	X	Door Caulking
02	-18		1609		1			X	⊥
03	-19		1615		1			X	⊥
04	-20		1625		1			X	Door Caulking
05	-21		1700		1			X	⊥
06	-22		1705		1			X	⊥
07	-23		1711		1			X	window Glazing
08	-24		1745		1			X	⊥
09	-25		1840		1			X	⊥
10	-26		1848		1			X	Door Caulking
11	-27		1900		1			X	⊥
12	-28		1921		1			X	⊥
13	-29		1943		1			X	window Glazing
14	-30		2010		1			X	⊥ (Split Sample)
15	-31		2030		1			X	window Caulking

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

Project Contact: Lisa Ruvalcaba
Tel:
Fax:

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

Relinquished by:	Received by:	Date & Time: 10/4/17 1:30 PM
Relinquished by:	Received by:	Date & Time:
Relinquished by:	Received by:	Date & Time:

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

CHAIN OF CUSTODY RECORD

Date: 10-4-17

WHITE WITH SAMPLE • YELLOW TO CLIENT

Page _____ of _____

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

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

Misc./PO# SMSD-17-7239

Special Extraction

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	EPA Method 8082 PCBs	Analysis Required	COMMENTS
16	171004-32	10-3-17	2038	Bulk	1 4oz		ICE	X		window Glazing
17	-33		2100		1			X		window caulking
18	-34		2102		1			X		Duplicate

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

Project Contact: Cesar Gualoche
Tel:
Fax:

Sampler's Signature:
Project Name/ID: Malibu H.S.

Relinquished by:	Received by:	Date & Time: 10/4/17 1:30 PM
Relinquished by:	Received by:	Date & Time:
Relinquished by:	Received by:	Date & Time:

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

CHAIN OF CUSTODY RECORD

Date: 10-4-17

WHITE WITH SAMPLE • YELLOW TO CLIENT

Page ____ of ____

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

Date: October 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 - Bldg. D**
Lab I.D.: **171013-36 through -56**

Dear Mr. Ruvalcaba:

The **analytical results** for the solid samples, received by our laboratory on October 13, 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 - Bldg D**

DATE SAMPLED:10/12/17
MATRIX:SOLID
REPORT TO:MR. CESAR RUVALCABA

DATE RECEIVED:10/13/17
DATE EXTRACTED:10/16-17/17
DATE ANALYZED:10/18-19/17
DATE REPORTED:10/20/17

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

SAMPLE I.D.	LAB I.D.	PCB-1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260	TOTAL PCBs*	DF
01	171013-36	ND	ND	ND	ND	ND	199 ***	ND	199 ***	50
02	171013-37	ND	ND	ND	ND	ND	86.1 ***	ND	86.1 ***	5
03	171013-38	ND	ND	ND	ND	ND	106 **	ND	106 ***	20
04	171013-39	ND	ND	ND	ND	ND	5.88	ND	5.88	10
05	171013-40	ND	ND	ND	ND	ND	11.6	ND	11.6	10
06	171013-41	ND	ND	ND	ND	ND	8.18	ND	8.18	10
07	171013-42	ND	ND	ND	ND	ND	3.27	ND	3.27	1
08	171013-43	ND	ND	ND	ND	ND	64.4 ***	ND	64.4 ***	10
09	171013-44	ND	ND	ND	ND	ND	5.50	ND	5.50	1
10	171013-45	ND	ND	ND	ND	ND	47.6	ND	47.6	10
11	171013-46	ND	ND	ND	ND	ND	2.25	ND	2.25	1
12	171013-47	ND	ND	ND	ND	ND	1.51	ND	1.51	1
13	171013-48	ND	ND	ND	ND	ND	3.00	ND	3.00	1
14	171013-49	ND	ND	ND	ND	ND	2.71	ND	2.71	1
15	171013-50	ND	ND	ND	ND	ND	2.34	ND	2.34	1
16	171013-51	ND	ND	ND	ND	ND	2.17	ND	2.17	2
17	171013-52	ND	ND	ND	ND	ND	59.7 ***	ND	59.7 ***	10
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1
PQL		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	

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

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

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

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 D**

DATE SAMPLED:10/12/17
MATRIX:SOLID
REPORT TO:MR. CESAR RUVALCABA

DATE RECEIVED:10/13/17
DATE EXTRACTED:10/16-17/17
DATE ANALYZED:10/19/17
DATE REPORTED:10/20/17

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

SAMPLE I.D.	LAB I.D.	PCB-1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260	TOTAL PCBs*	DF
18	171013-53	ND	ND	ND	ND	ND	117 ***	ND	117 ***	20
19	171013-54	ND	ND	ND	ND	ND	20.2	ND	20.2	4
20	171013-55	ND	ND	ND	ND	ND	78.2 ***	ND	78.2 ***	10
21	171013-56	ND	ND	ND	ND	ND	96.3 ***	ND	96.3 ***	20
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1
PQL		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	

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

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

Enviro-Chem, Inc.

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

EPA 8082 QA/QC Report

Matrix: **Soil/Solid/Sludge** Date Analyzed: 10/18-19/2017

Unit: mg/Kg(PPM)

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

Spiked Sample Lab I.D.: 171018-LCS1/2

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
PCB (1016+1260)	0.000	0.100	0.080	**80%**	0.075	**75%**	**7%**	**0-20%**	**70-130**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	0.100	0.086	**86%**	**75-125**

Surrogate Recovery	ACP%	ACP%	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	171013-86	171013-87	171013-94	171013-36	171013-37	171013-38
Tetra-chloro-meta-xylene	50-150	111%	125%	148%	98%	136%	133%	112%
Decachlorobipneyl	50-150	89%	107%	79%	71%	87%	89%	75%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	171013-39	171013-40	171013-41	171013-42	171013-43	171013-44	171013-45	171013-46
Tetra-chloro-meta-xylene	115%	114%	140%	127%	148%	139%	126%	124%
Decachlorobipneyl	69%	76%	120%	68%	92%	92%	94%	83%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	171013-47	171013-48	171013-49	171013-50	171013-51	171013-52
Tetra-chloro-meta-xylene	125%	128%	120%	116%	136%	104%
Decachlorobipneyl	108%	108%	91%	92%	95%	89%

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

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

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

Analyzed and Reviewed By:

Final Reviewer: _____

Enviro-Chem, Inc.

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

EPA 8082 QA/QC Report

Matrix: **Soil/Solid/Sludge** Date Analyzed: 10/19/2017

Unit: mg/Kg(PPM)

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

Spiked Sample Lab I.D.: 171018-LCS1/2

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
PCB (1016+1260)	0.000	0.100	0.087	**87%**	0.077	**77%**	**12%**	**0-20%**	**70-130**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	0.100	0.077	**77%**	**75-125**

Surrogate Recovery	ACP%	ACP%	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	171013-53	171013-54	171013-55	171013-56		
Tetra-chloro-meta-xylene	50-150	111%	132%	100%	127%	123%		
Decachlorobipneyl	50-150	97%	77%	121%	71%	75%		

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

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

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

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

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

Analyzed and Reviewed By: _____

Final Reviewer: _____

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

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

Misc./PO# SMSD-17-7239

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	EPA method 8082 PCBs	Analysis Required	COMMENTS
01	171013-36	10-12-17	1600	Bulk	1	4°C	ICE	X		
02	-37		1610		1					
03	-38		1615		1					
04	-39		1620		1					
05	-40		1622		1					
06	-41		1625		1					
07	-42		1630		1					
08	-43		1638		1					
09	-44		1640		1					
10	-45		1645		1					Split Set
11	-46		1720		1					
12	-47		1728		1					
13	-48		1730		1					
14	-49		1820		1					
15	-50		1828		1			X		

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

Relinquished by:	Received by:	Date & Time: 10/13/2017 10:15 AM
Relinquished by:	Received by:	Date & Time:
Relinquished by:	Received by:	Date & Time:

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

CHAIN OF CUSTODY RECORD

Date: 10-13-17

WHITE WITH SAMPLE • YELLOW TO CLIENT

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

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

Misc./PO# SMSD-17-T234

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	EPA 8082 PCBs	COMMENTS
16	171013-51	10/12/17	1835	Bulk	1		ICE	X	
17	-52		1900		1			X	
18	-53		1905		1			X	
19	-54		1915		1			X	
20	-55		1915		1			X	Duplicate
21	-56		1645		1			X	

Analysis Required

Company Name: AHa Environmental	Project Contact: C. Rivalcaba	Sampler's Signature:
Address: 3777 Long Beach	Tel:	Project Name/ID: Malibu - Bldg D
City/State/Zip: Long Beach Ca	Fax:	

Relinquished by:	Received by:	Date & Time: 10/13/2017 10:15 AM	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	Date & Time:	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	O Other:

CHAIN OF CUSTODY RECORD

Date: 10-13-17

WHITE WITH SAMPLE • YELLOW TO CLIENT

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

Date: October 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: **SMSD-17-7239 / Malibu High Bldg. D**
Lab I.D.: **171026-7 through -15**

Dear Mr. Ruvalcaba:

The **analytical results** for the solid samples, received by our laboratory on October 26, 2017, are attached. The samples were received intact, and accompanying chain of custody.

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

Sincerely,

Curtis Desilets
Vice President/Program Manager

for

Andy Wang
Laboratory Manager

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

LABORATORY REPORT

CUSTOMER: **Alta Environmental**
3777 Long Beach Blvd, Annex Building, Long Beach, CA 90807
Tel:(562)495-5777 Email:Cesar.Ruvalcaba@altaenviron.com
PROJECT: **SMSD-17-7239 / Malibu High Bldg. D**

DATE SAMPLED:10/25/17
MATRIX:SOLID
REPORT TO:MR. CESAR RUVALCABA

DATE RECEIVED:10/26/17
DATE EXTRACTED:10/26-27/17
DATE ANALYZED:10/27/17
DATE REPORTED:10/30/17

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
1025-1	171026-7	ND	ND	ND	ND	ND	21.6	ND	21.6	1
1025-2	171026-8	ND	ND	ND	ND	ND	6.79	ND	6.79	1
1025-3	171026-9	ND	ND	ND	ND	ND	1.77	ND	1.77	1
1025-4	171026-10	ND	ND	ND	ND	ND	0.713	ND	0.713	1
1025-5	171026-11	ND	ND	ND	ND	ND	2.53	ND	2.53	1
1025-6	171026-12	ND	ND	ND	ND	ND	0.515	ND	0.515	1
1025-7	171026-13	ND	ND	ND	ND	ND	5390	ND	5390	800
1025-8	171026-14	ND	ND	ND	ND	ND	188	ND	188	40
1025-9	171026-15	ND	ND	ND	ND	ND	488	ND	488	40
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1
PQL		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	

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

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

Enviro-Chem, Inc.

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

EPA 8082 QA/QC Report

Matrix: **Soil/Solid/Sludge** Date Analyzed: 10/27/2017

Unit: mg/Kg(PPM)

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

Spiked Sample Lab I.D.: 171027-LCS1/2

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
PCB (1016+1260)	0.000	0.100	0.082	**82%**	0.078	**78%**	**5%**	**0-20%**	**70-130**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	0.100	0.091	**91%**	**75-125**

Surrogate Recovery	ACP%	ACP%	171026-13	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	171026-13	171026-14	171026-15	171026-7	171026-8	171026-9
Tetra-chloro-meta-xylene	50-150	112%	134%	114%	113%	114%	117%	120%
Decachlorobipneyl	50-150	85%	95%	105%	79%	87%	94%	96%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	171026-10	171026-11	171026-12					
Tetra-chloro-meta-xylene	114%	123%	120%					
Decachlorobipneyl	87%	101%	124%					

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

S.R. = Sample Result

spk conc = Spike Concentration

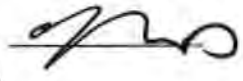
%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

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

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

Analyzed and Reviewed By: 

Final Reviewer: 

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

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

Misc./PO# SMSD-17-7239

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	EPA-Method 8082 PCBs	COMMENTS
1025-1	171026-7	10-25-17	1600	Bulk	1		Ice	X	1" Brick
2	-8		1615		1			X	3"
3	-9		1620		1			X	6"
4	-10		1628		1			X	~~1~~ 1"
5	-11		1642		1			X	3"
6	-12		1650		1			X	6"
7	-13	10-26-17	1710		1			X	Floor tile Black Mastic
8	-14		1750		1			X	Floor tile Yellow Adhesive
9	-15		1800		1			X	
						40C			

Analysis Required

Company Name: Alta Environmental
Address: 7777 Long Beach Blvd
City/State/Zip: Long Beach

Project Contact: Cesar Ramalcaba
Tel:
Fax:

Sampler's Signature:
Project Name/ID: SMSD-17-7239 Malibu High Bldg D

Relinquished by:	Received by:	Date & Time: 10/26/2017 930 AM
Relinquished by:	Received by:	Date & Time:
Relinquished by:	Received by:	Date & Time:

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

CHAIN OF CUSTODY RECORD

Date: 1025-17

WHITE WITH SAMPLE • YELLOW TO CLIENT

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

Date: November 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 D-Step Out**
Lab I.D.: **171103-5, -6**

Dear Mr. Ruvalcaba:

The **analytical results** for the solid samples, received by our laboratory on November 3, 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 D-Step Out**

DATE SAMPLED: 11/02/17
MATRIX: SOLID
REPORT TO: MR. CESAR RUVALCABA

DATE RECEIVED: 11/03/17
DATE EXTRACTED: 11/03&06/17
DATE ANALYZED: 11/06/17
DATE REPORTED: 11/06/17

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

SAMPLE I.D.	LAB I.D.	PCB-1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260	TOTAL PCBs*	DF
1102 D9	171103-5	ND	ND	ND	ND	ND	1.72	ND	1.72	1
1102 D12	171103-6	ND	ND	ND	ND	ND	1.36	ND	1.36	1
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1
	PQL	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	

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

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

Enviro-Chem, Inc.

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

EPA 8082 QA/QC Report

Matrix: **Soil/Solid/Sludge** Date Analyzed: 11/6/2017

Unit: mg/Kg(PPM)

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

Spiked Sample Lab I.D.: 171106-LCS1/2

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
PCB (1016+1260)	0.000	0.100	0.085	**85%**	0.090	**90%**	**5%**	**0-20%**	**70-130**

Lab Control Spike (LCS) Recovery:

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

Surrogate Recovery	ACP%	ACP%	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	171103-5	171103-6				
Tetra-chloro-meta-xylene	50-150	119%	133%	133%				
Decachlorobipneyl	50-150	85%	140%	100%				

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

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

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

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

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

Analyzed and Reviewed By:

Final Reviewer:

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

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

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	EPA 3540C/ 8082	Misc./PO#	COMMENTS
1102D9	171103-5	11/02/17	1850	~~Solid~~ Wipe	1		Ice	X	(Painted brick)	Interior 9"
1102D12	-6	11/02/17	1855	~~Wipe~~ Solid	1		↓	X	(Painted Brick)	Interior 12"

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:
Project Name/ID: Malibu D-Step-Out

Relinquished by:	11/3/17 8:30 a.m.	Received by:	11/3/17 0842
Relinquished by:		Received by:	
Relinquished by:		Received by:	

Date & Time:
Date & Time:
Date & Time:

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

CHAIN OF CUSTODY RECORD

Date: 11/2/17

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

Date: December 6, 2017

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

Project: **Malibu H.S. - Bldg. D**
Lab I.D.: **171129-29, -30**

Dear Mr. Ruvalcaba:

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

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. D**

DATE SAMPLED: 11/27/17
MATRIX: SOLID
REPORT TO: MR. CESAR RUVALCABA

DATE RECEIVED: 11/29/17
DATE EXTRACTED: 11/29-30/17
DATE ANALYZED: 11/30/17
DATE REPORTED: 12/06/17

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

SAMPLE I.D.	LAB I.D.	PCB-1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260	TOTAL PCBs*	DF
1127-D1	171129-29	ND	ND	ND	ND	ND	1.01	ND	1.01	1
1127-D2	171129-30	ND	ND	ND	ND	ND	3.77	ND	3.77	1
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1
	PQL	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	

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

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

Enviro-Chem, Inc.

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

EPA 8082 QA/QC Report

Matrix: **Soil/Solid/Sludge** Date Analyzed: 11/30/2017

Unit: mg/Kg(PPM)

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

Spiked Sample Lab I.D.: 171130-LCS1/2

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
PCB (1016+1260)	0.000	0.100	0.085	**85%**	0.089	**89%**	**5%**	**0-20%**	**70-130**

Lab Control Spike (LCS) Recovery:

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

Surrogate Recovery	ACP%	ACP%	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	171117-70	171117-71	171129-29	171129-30	171129-31	171129-32
Tetra-chloro-meta-xylene	50-150	123%	127%	122%	120%	138%	71%	116%
Decachlorobipneyl	50-150	96%	99%	110%	87%	104%	87%	82%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	171129-33	171129-34	171129-35	171129-36				
Tetra-chloro-meta-xylene	114%	120%	106%	143%				
Decachlorobipneyl	95%	79%	96%	93%				

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

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

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

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

Analyzed and Reviewed By: _____

Final Reviewer: _____

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

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

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required: EPA - Method 8082 - PCBs	COMMENTS
11-27-01	171129-29	11-27-17	2000	Bulk	1			x	
" 02	-30	"	2010	"	1			x	SPECIAL EXTRACTION
					407				

Misc./PO#: Malibu H.S. - Bldg D

Company Name: Alten Environmental	**Project Contact:** Cesar Ruvalcaba	**Sampler's Signature:**	
Address: 3777 Long Beach Blvd	**Tel:**	**Project Name/ID:** Malibu H.S. - Bldg D	
City/State/Zip: Long Beach Ca	**Fax:**		
Relinquished by:	Received by:	Date & Time: 11/28/17 1315	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	Date & Time:	O Dispose of O Return to Client X Store (30 Days)
Relinquished by:	Received by:	Date & Time:	O Other:

CHAIN OF CUSTODY RECORD

Date: 11-29-17

WHITE WITH SAMPLE • YELLOW TO CLIENT

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

Date: December 18, 2017

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

Project: **Malibu - Bldg. D**
Lab I.D.: **171215-38 through -42**

Dear Mr. Ruvalcaba:

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

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

Sincerely,

Curtis Desilets
Vice President/Program Manager

Andy Wang
Laboratory Manager

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

LABORATORY REPORT

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

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

DATE RECEIVED: 12/15/17
DATE EXTRACTED: 12/15/17
DATE ANALYZED: 12/15-16/17
DATE REPORTED: 12/18/17

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

SAMPLE I.D.	LAB I.D.	PCB-1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260	TOTAL PCBs*	DF
1214-15	171215-38	ND	ND	ND	ND	ND	1.19	ND	1.19	1
1214-17	171215-39	ND	ND	ND	ND	ND	1.21	ND	1.21	1
1214-18	171215-40	ND	ND	ND	ND	ND	1.05	ND	1.05	1
1214-19	171215-41	ND	ND	ND	ND	ND	1.10	ND	1.10	1
1214-16	171215-42	ND	ND	ND	ND	ND	1.33	ND	1.33	1
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1
	PQL	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	

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

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

Enviro-Chem, Inc.

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

EPA 8082 QA/QC Report

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

Unit: mg/Kg(PPM)

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

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

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

Lab Control Spike (LCS) Recovery:

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

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

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

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

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

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

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

Analyzed and Reviewed By: _____

Final Reviewer: _____

Enviro-Chem, Inc.

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

EPA 8082 QA/QC Report

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

Unit: mg/Kg(PPM)

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

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

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
PCB (1016+1260)	0.000	0.100	0.091	**91%**	0.092	**92%**	**1%**	**0-20%**	**70-130**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	0.100	0.091	**91%**	**75-125**

Surrogate Recovery	ACP%	ACP%	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	171215-42	171214-20	171214-21	171214-22	171214-23	171214-24
Tetra-chloro-meta-xylene	50-150	112%	111%	100%	115%	111%	107%	102%
Decachlorobipneyl	50-150	89%	85%	80%	84%	81%	77%	136%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	171214-25	171214-26	171214-27	171214-28	171214-29	171214-30	171214-31	171214-32
Tetra-chloro-meta-xylene	108%	113%	113%	110%	113%	112%	112%	106%
Decachlorobipneyl	83%	82%	82%	82%	85%	80%	83%	79%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	171214-33	171214-34	171214-35	171214-36	171214-37	171214-38
Tetra-chloro-meta-xylene	115%	108%	110%	121%	114%	107%
Decachlorobipneyl	80%	80%	78%	80%	100%	84%

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

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

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

Analyzed and Reviewed By:

Final Reviewer:

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

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

RUSH

Misc./PO# Malibu Bldg D

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required: EPA-method 8082 - PCB	COMMENTS
1214-15	171215-38	12-14-17	2030	Bulk	1 4oz		ICE	X	36"
16					1			X (Rush)	Removed
17	-39		2040		1			X	3"
18	-40		2045		1			X	6"
19	-41		2050		1			X	9"
1214-16	-42	12-14-17	2032	Bulk	1		Ice	X	36"

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

Project Contact: Cesar Ruelas
Tel:
Fax:

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

Relinquished by:	Received by:	Date & Time: 12/15/17 1130
Relinquished by:	Received by:	Date & Time:
Relinquished by:	Received by:	Date & Time:

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

CHAIN OF CUSTODY RECORD

Date: 12-15-17

WHITE WITH SAMPLE • YELLOW TO CLIENT

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

Date: February 9, 2018

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

Project: **Malibu Bldg D-Vents**
Lab I.D.: **180207-17 through -30**

Dear Mr. Ruvalcaba:

The **analytical results** for the solid samples, received by our laboratory on February 7, 2018, are attached. The samples were received intact, and accompanying chain of custody.

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

Sincerely,

Curtis Desilets
Vice President/Program Manager

for

Andy Wang
Laboratory Manager

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

LABORATORY REPORT

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

DATE SAMPLED: 02/06/18
MATRIX: SOLID
REPORT TO: MR. CESAR RUVALCABA

DATE RECEIVED: 02/07/18
DATE EXTRACTED: 02/07-08/18
DATE ANALYZED: 02/08&09/18
DATE REPORTED: 02/09/18

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
20618-FR1	180207-17	ND	ND	ND	ND	ND	6.91	ND	6.91	1
20618-FR2	180207-18	ND	ND	ND	ND	ND	5.01	ND	5.01	1
20618-FR3	180207-19	ND	ND	ND	ND	ND	7.03	ND	7.03	1
20618-FR4	180207-20	ND	ND	ND	ND	ND	16.2	ND	16.2	1
20618-FR5	180207-21	ND	ND	ND	ND	ND	239000***	ND	239000***	1000
20618-FR6	180207-22	ND	ND	ND	ND	ND	5.66	ND	5.66	1
20618-FR7	180207-23	ND	ND	ND	ND	ND	4.69	ND	4.69	1
20618-FR14	180207-30	ND	ND	ND	ND	ND	33.5	ND	33.5	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)

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

Enviro-Chem, Inc.

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

EPA 8082 QA/QC Report

Matrix: **Soil/Solid/Sludge** Date Analyzed: 2/8-9/2018

Unit: mg/Kg(PPM)

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

Spiked Sample Lab I.D.: 180208-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%**	0.097	**97%**	**10%**	**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
Sample I.D.		MB	180207-17	180207-18	180207-19	180207-20	180207-21	180207-22
Tetra-chloro-meta-xylene	50-150	126%	110%	100%	124%	87%	110%	106%
Decachlorobipneyl	50-150	95%	63%	87%	145%	138%	145%	101%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	180207-23	180207-30						
Tetra-chloro-meta-xylene	144%	110%						
Decachlorobipneyl	123%	74%						

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

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

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

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

Analyzed and Reviewed By: _____

Final Reviewer: _____

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

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

Misc./PO# Malibu Bldg D

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	EPA Method 8082 - PCBs	COMMENTS
20618 - FR1	170207-17	2-06-18	1620	Bulk	1 40Z		ICE	X	caulking
FR2	18		1650		1			X	
FR3	19		1675		1			X	
FR4	20		1700		1			X	
FR5	21		1715		1			X	
FR6	22		1737		1			X	
FR7	23		1738		1			X	
FR8	24		1800		1			X	1" archive
FR9	25		1815		1			X	3" archive
FR10	26		1822		1			X	6" ↓
FR11	27		1900		1			X	1" archive
FR12	28		1915		1			X	3" arch. cur
FR13	29	↓	1930	↓	1		↓	X	6" ↓
FR14	30	↓	2040	↓	1		↓	X	caulking

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

Project Contact: Cesar Rualcaba
Tel:
Fax:

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

Relinquished by:	2-07-18 1050	Received by:	Date & Time: 2/7/2018 1050 AM
Relinquished by:		Received by:	Date & Time:
Relinquished by:		Received by:	Date & Time:

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

CHAIN OF CUSTODY RECORD

Date: 2-07-18

WHITE WITH SAMPLE - YELLOW TO CLIENT

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

Date: March 16, 2018

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

Project: **Malibu H.S.-Bldg. D**
Lab I.D.: **180228-38 through -45**

Dear Mr. Ruvalcaba:

The **analytical results** for the solid samples, received by our laboratory on February 28, 2018, are attached. The samples were received chilled, intact, accompanying chain of custody and also stored per the EPA protocols.

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

Sincerely,

Curtis Desilets
Vice President/Program Manager

Andy Wang
Laboratory Manager

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

LABORATORY REPORT

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

DATE SAMPLED: 02/26/18
MATRIX: SOLID
REPORT TO: MR. CESAR RUVALCABA

DATE RECEIVED: 02/28/18
DATE EXTRACTED: 03/02&05/18
DATE ANALYZED: 03/15/18
DATE REPORTED: 03/16/18

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
22618-SF01	180228-38	ND	ND	ND	ND	ND	145000***	ND	145000***	40000
22618-SF02	180228-39	ND	ND	ND	ND	ND	84900***	ND	84900***	20000
22618-SF03	180228-40	ND	ND	ND	ND	ND	97700***	ND	97700***	25000
22618-SF04	180228-41	ND	ND	ND	ND	ND	141000***	ND	141000***	50000
22618-SF05	180228-42	ND	ND	ND	ND	ND	80800***	ND	80800***	20000
22618-SF06	180228-43	ND	ND	ND	ND	ND	7.24	ND	7.24	4
22618-SF07	180228-44	ND	ND	ND	ND	ND	2.51	ND	2.51	1
22618-SF08	180228-45	ND	ND	ND	ND	ND	40800***	ND	40800***	10000
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1
	PQL	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	

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

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: **3/15/2018**

Unit: mg/Kg(PPM)

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

Spiked Sample Lab I.D.: 180315-LCS1/2

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
PCB (1016+1260)	0.000	0.100	0.121	**121%**	0.124	**124%**	**2%**	**0-20%**	**70-130**

Lab Control Spike (LCS) Recovery:

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

Surrogate Recovery	ACP%	ACP%	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	180228-38	180228-39	180228-40	180228-41	180228-42	180228-43
Tetra-chloro-meta-xylene	50-150	103%	107%	105%	104%	101%	104%	111%
Decachlorobipneyl	50-150	83%	80%	77%	86%	76%	79%	64%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	180228-44	180228-45						
Tetra-chloro-meta-xylene	107%	105%						
Decachlorobipneyl	66%	91%						

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

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

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

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

Analyzed and Reviewed By: _____

Final Reviewer: _____

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

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

Misc./PO# Bldg D

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required: EPA Method 6010 - PCBs	COMMENTS
22618'SF01	180228-38	226-18	1615	Bulk	1		Ice	X	Wet Caulking
SF02	-39		1635		1			X	
SF03	-40		1640		1			X	
SF04	-41		1642		1			X	
SF05	-42		1700		1			X	
SF06	-43		1715		1			X	
SF07	-44		1830		1			X	
SF08	-45		1850		1			X	
					40Z				SPECIAL EXTRACTION

Company Name: Afta Envntl	**Project Contact:** Cesar Rivadeneira	**Sampler's Signature:**
Address: 3777 Long Beach Blvd	**Tel:**	**Project Name/ID:** Malibu H.S. Bldg D
City/State/Zip: Long Beach Ca	**Fax:**	

Relinquished by: 2-28-18 1315	Received by:	Date & Time: 2/28/18 1330	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	Date & Time:	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	O Other:

CHAIN OF CUSTODY RECORD

Date: 2-28-18

WHITE WITH SAMPLE • YELLOW TO CLIENT

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

Date: November 15, 2018

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

Project: **Malibu High - Bldg D**
Lab I.D.: **181109-2 through -21**

Dear Mr. Schack:

The **analytical results** for the solid samples, received by our laboratory on November 9, 2018, are attached. The samples were received chilled, intact, and accompanying chain of custody.

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

Sincerely,

Curtis Desilets
Vice President/Program Manager

Andy Wang
Laboratory Manager

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

LABORATORY REPORT

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

PROJECT: **Malibu High - Bldg D**
DATE SAMPLED:11/08/18
MATRIX:SOLID
REPORT TO:MR. DAVID SCHACK

DATE RECEIVED:11/09/18
DATE EXTRACTED:11/09&12/18
DATE ANALYZED:11/12/18
DATE REPORTED:11/15/18

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
110818-CB1	181109-2	ND	ND	ND	ND	ND	7.01	ND	7.01	1
110818-CB2	181109-3	ND	ND	ND	ND	ND	0.889	ND	0.889	1
110818-CB3	181109-4	ND	ND	ND	ND	ND	0.994	ND	0.994	1
110818-CB4	181109-5	ND	ND	ND	ND	ND	0.989	ND	0.989	1
110818-CB5	181109-6	ND	ND	ND	ND	ND	1.51	ND	1.51	1
110818-CB6	181109-7	ND	ND	ND	ND	ND	1.22	ND	1.22	1
110818-CB7	181109-8	ND	ND	ND	ND	ND	1.18	ND	1.18	1
110818-CB8	181109-9	ND	ND	ND	ND	ND	0.682	ND	0.682	1
110818-CB9	181109-10	ND	ND	ND	ND	ND	0.836	ND	0.836	1
110818-CB10	181109-11	ND	ND	ND	ND	ND	0.898	ND	0.898	1
110818-CB11	181109-12	ND	ND	ND	ND	ND	ND	ND	ND	1
110818-CB12	181109-13	ND	ND	ND	ND	ND	ND	ND	ND	1
110818-CB13	181109-14	ND	ND	ND	ND	ND	0.532	ND	0.532	1
110818-CB14	181109-15	ND	ND	ND	ND	ND	1.77	ND	1.77	1
110818-CB15	181109-16	ND	ND	ND	ND	ND	0.776	ND	0.776	1
110818-CB16	181109-17	ND	ND	ND	ND	ND	1.20	ND	1.20	1
110818-CB17	181109-18	ND	ND	ND	ND	ND	1.16	ND	1.16	1
110818-CB19	181109-19	ND	ND	ND	ND	ND	1.71	ND	1.71	1
110818-CB20	181109-20	ND	ND	ND	ND	ND	1.93	ND	1.93	1
110818-CB21	181109-21	ND	ND	ND	ND	ND	2.40	ND	2.40	1
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1
	PQL	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	

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

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

Enviro-Chem, Inc.

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

EPA 8082 QA/QC Report

Matrix: **Soil/Solid/Sludge** Date Analyzed: **11/12/2018**

Unit: mg/Kg(PPM)

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

Spiked Sample Lab I.D.: 181112-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%**	0.104	**104%**	**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
Sample I.D.		MB	181109-2	181109-3	181109-4	181109-5	181109-6	181109-7
Tetra-chloro-meta-xylene	50-150	99%	94%	81%	87%	94%	98%	89%
Decachlorobipneyl	50-150	106%	129%	85%	81%	85%	106%	125%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	181109-8	181109-9	181109-10	181109-11	181109-12	181109-13	181109-14	181109-15
Tetra-chloro-meta-xylene	88%	77%	79%	93%	92%	95%	99%	100%
Decachlorobipneyl	71%	70%	80%	125%	56%	52%	82%	56%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	181109-16	181109-17	181109-18	181109-19	181109-20	181109-21
Tetra-chloro-meta-xylene	99%	99%	116%	82%	82%	86%
Decachlorobipneyl	55%	57%	66%	88%	79%	68%

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

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

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

Analyzed and Reviewed By: _____

Final Reviewer: _____

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

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

Misc./PO#: Malibu High Bldg D

Analysis Required: EPA Method 3550 / Sample Extraction 3540C

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	EPA Method 3550 / Sample Extraction 3540C	COMMENTS
110818-cb1	181109-2	110818	1700	Bulk	1		Ice	X	
cb2	-3	↓	1705	↓	1	4°C	↓	X	
cb3	-4	↓	1720	↓	1		↓	X	
cb4	-5	↓	1730	↓	1		↓	X	
cb5	-6	↓	1745	↓	1		↓	X	
cb6	-7	↓	1755	↓	1		↓	X	
cb7	-8	↓	1810	↓	1		↓	X	
cb8	-9	↓	1830	↓	1		↓	X	
cb9	-10	↓	1850	↓	1		↓	X	
cb10	-11	↓	1900	↓	1		↓	X	
cb11	-12	↓	1915	↓	1		↓	X	
cb12	-13	↓	1921	↓	1		↓	X	
cb13	-14	↓	1945	↓	1		↓	X	
cb14	-15	↓	2010	↓	1		↓	X	
cb15	-16	↓	2030	↓	1		↓	X	

Company Name: Alta Environmental
Address: 3777 Long Beach Blvd
City/State/Zip: Long Beach Ca
Project Contact: D. Schlack
Tel:
Fax:
Sampler's Signature: [signature]
Project Name/ID: Malibu High - Bldg D

Relinquished by: [signature]	Received by: [signature]	Date & Time: 11/9/18 0843
Relinquished by:	Received by:	Date & Time:
Relinquished by:	Received by:	Date & Time:

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

CHAIN OF CUSTODY RECORD

Date: 11/9/18

WHITE WITH SAMPLE • YELLOW TO CLIENT

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

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

Misc./PO# Malibu High Bldg D

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required	COMMENTS
110818-cb16	18109-17	11-08-18	2040	Bulk	1		Ice	X	
cb17	-18		2095		1			X	
cb18			2100		1			X	N/A Not used
cb19	-19		2105		1			X	
cb20	-20		2110		1			X	
cb21	-21		2111		1			X	
					40Z				

Company Name: Atta Environ
Address: 3777 Long Beach Blvd
City/State/Zip: Long Beach Ca

Project Contact: D. Schaak
Tel:
Fax:

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

Relinquished by:	Received by:	11/9/18 0843	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	Date & Time:	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	O Other:

CHAIN OF CUSTODY RECORD

Date: 11/9/18

WHITE WITH SAMPLE • YELLOW TO CLIENT

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

Date: December 3, 2018

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

Project: **Malibu Bldg D**
Lab I.D.: **181121-40 through -61**

Dear Mr. Schack:

The **analytical results** for the solid samples, received by our laboratory on November 21, 2018, are attached. The samples were received chilled, intact, and accompanying chain of custody.

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

Sincerely,

Curtis Desilets
Vice President/Program Manager

Andy Wang
Laboratory Manager

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

LABORATORY REPORT

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

PROJECT: **Malibu Bldg D**
DATE SAMPLED:11/20/18
MATRIX:SOLID
REPORT TO:MR. DAVID SCHACK

DATE RECEIVED:11/21/18
DATE EXTRACTED:11/26-27/18
DATE ANALYZED:11/27-28/18
DATE REPORTED:12/03/18

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

SAMPLE I.D.	LAB I.D.	PCB-1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260	TOTAL PCBs*	DF
110818-CB22	181121-40	ND	ND	ND	ND	ND	0.683	ND	0.683	1
110818-CB23	181121-41	ND	ND	ND	ND	ND	1.59	ND	1.59	1
110818-CB24	181121-42	ND	ND	ND	ND	ND	0.765	ND	0.765	1
110818-CB25	181121-43	ND	ND	ND	ND	ND	2.09	ND	2.09	1
110818-CB26	181121-44	ND	ND	ND	ND	ND	1.97	ND	1.97	1
110818-CB27	181121-45	ND	ND	ND	ND	ND	1.17	ND	1.17	1
110818-CB28	181121-46	ND	ND	ND	ND	ND	0.909	ND	0.909	1
110818-CB29	181121-47	ND	ND	ND	ND	ND	2.09	ND	2.09	1
110818-CB30	181121-48	ND	ND	ND	ND	ND	1.99	ND	1.99	1
110818-CB31	181121-49	ND	ND	ND	ND	ND	1.38	ND	1.38	1
110818-CB32	181121-50	ND	ND	ND	ND	ND	1.43	ND	1.43	1
110818-CB33	181121-51	ND	ND	ND	ND	ND	2.66	ND	2.66	1
110918-FR1	181121-52	ND	ND	ND	ND	ND	0.394	ND	0.394	1
110918-FR2	181121-53	ND	ND	ND	ND	ND	3.75	ND	3.75	1
110918-FR3	181121-54	ND	ND	ND	ND	ND	4.05	ND	4.05	1
110918-FR4	181121-55	ND	ND	ND	ND	ND	0.619	ND	0.619	1
110918-FR5	181121-56	ND	ND	ND	ND	ND	2.57	ND	2.57	1
110918-FR6	181121-57	ND	ND	ND	ND	ND	1.31	ND	1.31	1
110918-FR7	181121-58	ND	ND	ND	ND	ND	0.885	ND	0.885	1
110918-FR8	181121-59	ND	ND	ND	ND	ND	1.61	ND	1.61	1
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1
	PQL	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	

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

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

Enviro-Chem, Inc.

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

EPA 8082 QA/QC Report

Matrix: **Soil/Solid/Sludge** Date Analyzed: **11/27-28/2018**

Unit: mg/Kg(PPM)

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

Spiked Sample Lab I.D.: 181127-LCS1/2

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
PCB (1016+1260)	0.000	0.100	0.102	**102%**	0.094	**94%**	**8%**	**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
Sample I.D.		MB	181121-40	181121-41	181121-42	181121-43	181121-44	181121-45
Tetra-chloro-meta-xylene	50-150	104%	80%	96%	85%	112%	115%	125%
Decachlorobipneyl	50-150	101%	82%	141%	102%	142%	126%	143%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	181121-46	181121-47	181121-48	181121-49	181121-50	181121-51	181121-52	181121-53
Tetra-chloro-meta-xylene	136%	94%	113%	102%	105%	112%	97%	88%
Decachlorobipneyl	144%	143%	129%	82%	103%	119%	122%	113%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	181121-54	181121-55	181121-56	181121-57	181121-58	181121-59
Tetra-chloro-meta-xylene	93%	112%	100%	123%	122%	100%
Decachlorobipneyl	85%	100%	65%	103%	83%	64%

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

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

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

Analyzed and Reviewed By: _____

Final Reviewer: _____

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

LABORATORY REPORT

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

PROJECT: **Malibu Bldg D**
DATE SAMPLED: 11/20/18
MATRIX: SOLID
REPORT TO: MR. DAVID SCHACK

DATE RECEIVED: 11/21/18
DATE EXTRACTED: 11/26-27/18
DATE ANALYZED: 11/27/18
DATE REPORTED: 12/03/18

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

SAMPLE I.D.	LAB I.D.	PCB-1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260	TOTAL PCBs*	DF
110918-FR9	181121-60	ND	ND	ND	ND	ND	1.78	ND	1.78	1
110918-FR10	181121-61	ND	ND	ND	ND	ND	0.873	ND	0.873	1
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1
	PQL	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	

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

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

Enviro-Chem, Inc.

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

EPA 8082 QA/QC Report

Matrix: **Soil/Solid/Sludge** Date Analyzed: **11/27/2018**

Unit: mg/Kg(PPM)

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

Spiked Sample Lab I.D.: 181127-LCS3/4

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
PCB (1016+1260)	0.000	0.100	0.089	**89%**	0.094	**94%**	**5%**	**0-20%**	**70-130**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	0.100	0.094	**94%**	**75-125**

Surrogate Recovery	ACP%	ACP%	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	181121-60	181121-61	181121-63	181121-64	181121-65	181126-59
Tetra-chloro-meta-xylene	50-150	106%	100%	99%	88%	115%	97%	130%
Decachlorobipneyl	50-150	85%	59%	70%	118%	80%	74%	83%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	181126-60	181126-61	181126-62	181126-63	181126-64	181126-65	181126-66	181126-67
Tetra-chloro-meta-xylene	0%	114%	133%	133%	89%	14%	125%	139%
Decachlorobipneyl	57%	60%	127%	114%	80%	87%	102%	68%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	181126-68	181126-69	181126-70	181126-71	181126-72	181126-73
Tetra-chloro-meta-xylene	150%	104%	106%	104%	131%	150%
Decachlorobipneyl	58%	63%	109%	63%	100%	141%

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

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

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

Analyzed and Reviewed By: _____

Final Reviewer: _____

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

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

Misc./PO#: Malibu - Bldg D

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required: EPA method 8082 Soxhlet Extraction 3540C	COMMENTS
110918-CB22	181121-40	11-20-18	0800	Bulk	1	4°C		X	
CB23	-41		0810		1			X	
CB24	-42		0820		1			X	
CB25	-43		0830		1			X	
CB26	-44		0835		1			X	
CB27	-45		0850		1			X	
CB28	-46		0920		1			X	
CB29	-47		0923		1			X	
CB30	-48		0940		1			X	
CB31	-49		0955		1			X	
CB32	-50		1000		1			X	
CB33	-51		1020		1			X	
~~CB34~~									
110918-FR1	-52	11-20-18	1040		1			X	
FR2	-53		1045		1			X	

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

Project Contact: David Schack
Tel:
Fax:

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

Relinquished by: [signature]	Received by: [signature]	Date & Time: 11/21/18 1530
Relinquished by:	Received by:	Date & Time:
Relinquished by:	Received by:	Date & Time:

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

CHAIN OF CUSTODY RECORD

WHITE WITH SAMPLE • YELLOW TO CLIENT

Date: 11-21-18

Page 1 of 2

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

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

Misc./PO# Malibu Bldg D

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required	COMMENTS
110918-AR3	181121-54	11-20-18	1100	Bulk	1		Ice	X	
AR4	-55		1115		1			X	
AR5	-56		1120		1			X	
AR6	-57		1125		1			X	
AR7	-58		1130		1			X	
AR8	-59		1132		1			X	
AR9	-60		1150		1			X	
AR10	-61		1155		1			X	
~~AR11~~	~~-62~~								

Company Name: Alta Environmental
Address: 3777 Long Beach
City/State/Zip: Long Beach
Project Contact: David Shack
Tel:
Fax:
Sampler's Signature:
Project Name/ID: Malibu Bldg D

Relinquished by:	Received by:	Date & Time: 11/21/18 1530
Relinquished by:	Received by:	Date & Time:
Relinquished by:	Received by:	Date & Time:

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

CHAIN OF CUSTODY RECORD

Date: 11-21-18

WHITE WITH SAMPLE • YELLOW TO CLIENT

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WORK ORDER NUMBER: 18-11-1884

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Alta Environmental

Client Project Name: Malibu H.S.-Bldg D

Attention: Dave Schack
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Vikas Patel

Approved for release on 12/03/2018 by:
Vikas Patel
Project Manager

ResultLink ▸

Email your PM ▸

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Contents

Client Project Name: Malibu H.S.-Bldg D
Work Order Number: 18-11-1884

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Work Order Narrative

Work Order: 18-11-1884 Page 1 of 1

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 11/26/18. They were assigned to Work Order 18-11-1884.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

DoD Projects:

The test results contained in this report are accredited under the laboratory's ISO/IEC 17025:2005 and DoD-ELAP accreditation issued by the ANSI-ASQ National Accreditation Board. Refer to certificate and scope of accreditation ADE-1864.

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Sample Summary

Client:	Alta Environmental	Work Order:	18-11-1884
	3777 Long Beach Blvd., Annex Building	Project Name:	Malibu H.S.-Bldg D
	Long Beach, CA 90802-3335	PO Number:	
		Date/Time Received:	11/26/18 10:14
		Number of Containers:	1
Attn:	Dave Schack		

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
112018-43	18-11-1884-1	11/21/18 13:00	1	Solid

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Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Project: Malibu H.S.-Bldg D

Date Received: 11/26/18
Work Order: 18-11-1884
Preparation: EPA 3540C
Method: EPA 8082
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
112018-43	**18-11-1884-1-A**	**11/21/18 13:00**	**Solid**	**GC 58**	**11/27/18**	**11/29/18 18:59**	**181127L15**

Comment(s): - The reporting limit is elevated resulting from matrix interference.

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	980	1.00	
Aroclor-1221	ND	980	1.00	
Aroclor-1232	ND	980	1.00	
Aroclor-1242	ND	980	1.00	
Aroclor-1248	ND	980	1.00	
Aroclor-1254	ND	980	1.00	
Aroclor-1260	ND	980	1.00	
Aroclor-1262	ND	980	1.00	
Aroclor-1268	ND	980	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	67	24-168	
2,4,5,6-Tetrachloro-m-Xylene	116	25-145	

Method Blank	099-12-535-5001	N/A	Solid	GC 58	11/27/18	11/29/18 11:26	181127L15

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	80	24-168	
2,4,5,6-Tetrachloro-m-Xylene	92	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Quality Control - Spike/Spike Duplicate

Alta Environmental		Date Received:	11/26/18
3777 Long Beach Blvd., Annex Building		Work Order:	18-11-1884
Long Beach, CA 90802-3335		Preparation:	EPA 3540C
		Method:	EPA 8082
Project: Malibu H.S.-Bldg D			Page 1 of 1

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
18-11-2016-1	**Sample**	**Solid**	**GC 58**	**11/27/18**	**11/29/18 16:51**	**181127S15**
18-11-2016-1	**Matrix Spike**	**Solid**	**GC 58**	**11/27/18**	**11/29/18 18:23**	**181127S15**
18-11-2016-1	**Matrix Spike Duplicate**	**Solid**	**GC 58**	**11/27/18**	**11/29/18 18:41**	**181127S15**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Aroclor-1016	ND	100.0	196.0	196	309.0	309	50-135	45	0-20	3,4
Aroclor-1260	ND	100.0	264.0	264	610.0	610	50-135	79	0-20	3,4

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Alta Environmental		Date Received:	11/26/18
3777 Long Beach Blvd., Annex Building		Work Order:	18-11-1884
Long Beach, CA 90802-3335		Preparation:	EPA 3540C
		Method:	EPA 8082
Project: Malibu H.S.-Bldg D			Page 1 of 1

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-535-5001	**LCS**	**Solid**	**GC 58**	**11/27/18**	**11/29/18 11:44**	**181127L15**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Aroclor-1016	100.0	120.5	120	50-135	
Aroclor-1260	100.0	113.5	114	50-135	

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RPD: Relative Percent Difference. CL: Control Limits

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Sample Analysis Summary Report

Work Order: 18-11-1884 Page 1 of 1

Method	Extraction	Chemist ID	Instrument	Analytical Location
EPA 8082	EPA 3540C	669	GC 58	1

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Glossary of Terms and Qualifiers

Work Order: 18-11-1884 Page 1 of 1

Qualifiers	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
CI	See case narrative.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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7440 Lincoln Way, Garden Grove, CA 92841-1427 • (714) 895-5494
For courier service / sample drop off information, contact us26_sales@eurofinsus.com or call us.

CHAIN OF CUSTODY RECORD

WO # / LAB USE ONLY: **18-11-1884**

DATE: 11-26-18

PAGE: 1 OF 1

LABORATORY CLIENT: **Alta Environmental**

ADDRESS: 3777 Long Beach Boulevard, Annex Building

CITY: Long Beach STATE: CA ZIP: 90280

TEL: 562-495-5777 E-MAIL: David Schack

CLIENT PROJECT NAME / NUMBER: Malibu H.S. - Bldg D

P.O. NO.:

PROJECT CONTACT: David Schack

SAMPLER(S): (PRINT) Fabian Rivalcoba

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR X 5 DAYS ☐ STANDARD

☐ COELT EDF GLOBAL ID: LOG CODE:

SPECIAL INSTRUCTIONS:
Use Soxhlet Extraction, US EPA Method 3540C Aroclors

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	☐ TPH(g) ☐ GRO	☐ TPH(d) ☐ DRO	TPH ☐ C6-C36 ☐ C6-C44	TPH ____	BTEX / MTBE ☐ 8260 ☐ ____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☐ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6	Soxhlet Extraction 3540C			
1	112018-43	11-21-18	1300	Solid	1		X												X				X			

Relinquished by: (Signature)	11-26-18	Received by: (Signature/Affiliation)	Date: 11/26/18 Time: 1014
Relinquished by: (Signature)		Received by: (Signature/Affiliation)	Date: Time:
Relinquished by: (Signature)		Received by: (Signature/Affiliation)	Date: Time:

06/02/14 Revision

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WORK ORDER NUMBER: 18-11-1884

SAMPLE RECEIPT CHECKLIST

COOLER 0 OF 0

CLIENT: Alta Env'l.

DATE: 11/26/2018

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC6 (CF: 0.0°C); Temperature (w/o CF): 25.6 °C (w/ CF): 25.6 °C; ☐ Blank ☑ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____)

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling

☐ Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: ☐ Air ☐ Filter Checked by: UFS

CUSTODY SEAL:

Cooler ☐ Present and Intact ☐ Present but Not Intact ☐ Not Present ☑ N/A Checked by: UFS

Sample(s) ☐ Present and Intact ☐ Present but Not Intact ☑ Not Present ☐ N/A Checked by: UFS

SAMPLE CONDITION:	Yes	No	N/A
Chain-of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Sampling date ☐ Sampling time ☐ Matrix ☐ Number of containers			
☐ No analysis requested ☐ Not relinquished ☐ No relinquished date ☐ No relinquished time			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and in good condition	☑	☐	☐
Proper containers for analyses requested	☑	☐	☐
Sufficient volume/mass for analyses requested	☑	☐	☐
Samples received within holding time	☑	☐	☐
Aqueous samples for certain analyses received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfide ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation chemical(s) noted on COC and/or sample container	☐	☐	☑
Unpreserved aqueous sample(s) received for certain analyses			
☐ Volatile Organics ☐ Total Metals ☐ Dissolved Metals			
Acid/base preserved samples - pH within acceptable range	☐	☐	☑
Container(s) for certain analysis free of headspace	☐	☐	☑
☐ Volatile Organics ☐ Dissolved Gases (RSK-175) ☐ Dissolved Oxygen (SM 4500)			
☐ Carbon Dioxide (SM 4500) ☐ Ferrous Iron (SM 3500) ☐ Hydrogen Sulfide (Hach)			
Tedlar™ bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE: (Trip Blank Lot Number: _____)

Aqueous: ☐ VOA ☐ VOA**h** ☐ VOA**na$_2$** ☐ 100PJ ☐ 100PJ**na$_2$** ☐ 125AGB ☐ 125AGB**h** ☐ 125AGB**p** ☐ 125PB ☐ 125PB**znna** (pH__9)

☐ 250AGB ☐ 250CGB ☐ 250CGB**s** (pH__2) ☐ 250PB ☐ 250PB**n** (pH__2) ☐ 500AGB ☐ 500AGJ ☐ 500AGJ**s** (pH__2) ☐ 500PB

☐ 1AGB ☐ 1AGB**na$_2$** ☐ 1AGB**s** (pH__2) ☐ 1AGB**s** (O&G) ☐ 1PB ☐ 1PB**na** (pH__12) ☐ _____ ☐ _____ ☐ _____

Solid: ☑ 4ozCGJ ☐ 8ozCGJ ☐ 16ozCGJ ☐ Sleeve (___) ☐ EnCores® (___) ☐ TerraCores® (___) ☐ _____ ☐ _____ ☐ _____

Air: ☐ Tedlar™ ☐ Canister ☐ Sorbent Tube ☐ PUF ☐ _____ **Other Matrix** (_____): ☐ _____ ☐ _____ ☐ _____

Container: **A** = Amber, **B** = Bottle, **C** = Clear, **E** = Envelope, **G** = Glass, **J** = Jar, **P** = Plastic, and **Z** = Ziploc/Resealable Bag

Preservative: **b** = buffered, **f** = filtered, **h** = HCl, **n** = HNO_3, **na** = NaOH, **na$_2$** = $Na_2S_2O_3$, **p** = H_3PO_4, Labeled/Checked by: UFS

s = H_2SO_4, **u** = ultra-pure, **x** = Na_2SO_3+$NaHSO_4.H_2O$, **znna** = Zn $(CH_3CO_2)_2$ + NaOH Reviewed by: MJL

Return to Contents

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

Date: December 3, 2018

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

Project: **Malibu High - Bldg D**
Lab I.D.: **181126-59 through -98**

Dear Mr. Schack:

The **analytical results** for the solid samples, received by our laboratory on November 26, 2018, are attached. The samples were received chilled, intact, and accompanying chain of custody.

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

Sincerely,

Curtis Desilets
Vice President/Program Manager

Andy Wang
Laboratory Manager

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

LABORATORY REPORT

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

PROJECT: **Malibu High - Bldg D**
DATE SAMPLED:11/21/18
MATRIX:SOLID
REPORT TO:MR. DAVID SCHACK

DATE RECEIVED:11/26/18
DATE EXTRACTED:11/26-27/18
DATE ANALYZED:11/27-28/18
DATE REPORTED:12/03/18

PCBs ANALYSIS; PAGE 1 OF 3
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
112018-1	181126-59	ND	ND	ND	ND	ND	3.01	ND	3.01	1
112018-2	181126-60	ND	ND	ND	ND	ND	1.48	ND	1.48	1
112018-3	181126-61	ND	ND	ND	ND	ND	5.36	ND	5.36	1
112018-4	181126-62	ND	ND	ND	ND	ND	2.92	ND	2.92	1
112018-5	181126-63	ND	ND	ND	ND	ND	1.94	ND	1.94	1
112018-7	181126-64	ND	ND	ND	ND	ND	1.26	ND	1.26	1
112018-8	181126-65	ND	ND	ND	ND	ND	3.68	ND	3.68	1
112018-9	181126-66	ND	ND	ND	ND	ND	3.34	ND	3.34	1
112018-10	181126-67	ND	ND	ND	ND	ND	3.37	ND	3.37	1
112018-11	181126-68	ND	ND	ND	ND	ND	ND	ND	ND	1
112018-12	181126-69	ND	ND	ND	ND	ND	ND	ND	ND	1
112018-13	181126-70	ND	ND	ND	ND	ND	0.647	ND	0.647	1
112018-14	181126-71	ND	ND	ND	ND	ND	ND	ND	ND	1
112018-15	181126-72	ND	ND	ND	ND	ND	1.49	ND	1.49	1
112018-16	181126-73	ND	ND	ND	ND	ND	1.18	ND	1.18	1
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1
	PQL	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	

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

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

Enviro-Chem, Inc.

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

EPA 8082 QA/QC Report

Matrix: **Soil/Solid/Sludge** Date Analyzed: **11/27-28/2018**

Unit: mg/Kg(PPM)

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

Spiked Sample Lab I.D.: 181127-LCS3/4

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
PCB (1016+1260)	0.000	0.100	0.089	**89%**	0.094	**94%**	**5%**	**0-20%**	**70-130**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	0.100	0.094	**94%**	**75-125**

Surrogate Recovery	ACP%	ACP%	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	181121-60	181121-61	181121-63	181121-64	181121-65	181126-59
Tetra-chloro-meta-xylene	50-150	106%	100%	99%	88%	115%	97%	130%
Decachlorobipneyl	50-150	85%	59%	70%	118%	80%	74%	83%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	181126-60	181126-61	181126-62	181126-63	181126-64	181126-65	181126-66	181126-67
Tetra-chloro-meta-xylene	0%*	114%	133%	133%	89%	14%*	125%	139%
Decachlorobipneyl	57%	60%	127%	114%	80%	87%	102%	68%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	181126-68	181126-69	181126-70	181126-71	181126-72	181126-73
Tetra-chloro-meta-xylene	150%	104%	106%	104%	131%	150%
Decachlorobipneyl	58%	63%	109%	63%	100%	141%

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

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

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

Analyzed and Reviewed By: _____

Final Reviewer: _____

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

LABORATORY REPORT

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

PROJECT: **Malibu High - Bldg D**
DATE SAMPLED:11/21/18
MATRIX:SOLID
REPORT TO:MR. DAVID SCHACK

DATE RECEIVED:11/26/18
DATE EXTRACTED:11/26-27/18
DATE ANALYZED:11/28/18
DATE REPORTED:12/03/18

PCBs ANALYSIS; PAGE 2 OF 3
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
112018-17	181126-74	ND	ND	ND	ND	ND	2.13	ND	2.13	1
112018-18	181126-75	ND	ND	ND	ND	ND	0.748	ND	0.748	1
112018-19	181126-76	ND	ND	ND	ND	ND	0.463	ND	0.463	1
112018-20	181126-77	ND	ND	ND	ND	ND	1.15	ND	1.15	1
112018-21	181126-78	ND	ND	ND	ND	ND	2.28	ND	2.28	1
112018-22	181126-79	ND	ND	ND	ND	ND	0.634	ND	0.634	1
112018-23	181126-80	ND	ND	ND	ND	ND	1.54	ND	1.54	1
112018-24	181126-81	ND	ND	ND	ND	ND	1.10	ND	1.10	1
112018-25	181126-82	ND	ND	ND	ND	ND	1.01	ND	1.01	1
112018-26	181126-83	ND	ND	ND	ND	ND	0.628	ND	0.628	1
112018-27	181126-84	ND	ND	ND	ND	ND	1.39	ND	1.39	1
112018-28	181126-85	ND	ND	ND	ND	ND	0.755	ND	0.755	1
112018-29	181126-86	ND	ND	ND	ND	ND	0.994	ND	0.994	1
112018-32	181126-87	ND	ND	ND	ND	ND	0.582	ND	0.582	1
112018-33	181126-88	ND	ND	ND	ND	ND	0.944	ND	0.944	1
112018-34	181126-89	ND	ND	ND	ND	ND	1.14	ND	1.14	1
112018-35	181126-90	ND	ND	ND	ND	ND	1.32	ND	1.32	1
112018-36	181126-91	ND	ND	ND	ND	ND	1.61	ND	1.61	1
112018-37	181126-92	ND	ND	ND	ND	ND	1.03	ND	1.03	1
112018-40	181126-95	ND	ND	ND	ND	ND	0.614	ND	0.614	1
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1
	PQL	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	

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

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

Enviro-Chem, Inc.

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

EPA 8082 QA/QC Report

Matrix: **Soil/Solid/Sludge** Date Analyzed: **11/28/2018**

Unit: mg/Kg(PPM)

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

Spiked Sample Lab I.D.: 181127-LCS5/6

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
PCB (1016+1260)	0.000	0.100	0.090	**90%**	0.089	**89%**	**1%**	**0-20%**	**70-130**

Lab Control Spike (LCS) Recovery:

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

Surrogate Recovery	ACP%	ACP%	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	181126-74	181126-75	181126-76	181126-77	181126-78	181126-79
Tetra-chloro-meta-xylene	50-150	100%	66%	94%	95%	96%	85%	92%
Decachlorobipneyl	50-150	72%	73%	123%	136%	130%	79%	126%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	181126-80	181126-81	181126-82	181126-83	181126-84	181126-85	181126-86	181126-87
Tetra-chloro-meta-xylene	93%	95%	106%	90%	98%	101%	87%	102%
Decachlorobipneyl	104%	107%	110%	102%	134%	136%	82%	145%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	181126-88	181126-89	181126-90	181126-91	181126-92	181126-95
Tetra-chloro-meta-xylene	99%	95%	103%	103%	102%	92%
Decachlorobipneyl	98%	56%	97%	52%	56%	66%

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

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

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

Analyzed and Reviewed By: _____

Final Reviewer: _____

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

LABORATORY REPORT

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

PROJECT: **Malibu High - Bldg D**
DATE SAMPLED: 11/21/18
MATRIX: SOLID
REPORT TO: MR. DAVID SCHACK

DATE RECEIVED: 11/26/18
DATE EXTRACTED: 11/26-27/18
DATE ANALYZED: 11/27-28/18
DATE REPORTED: 12/03/18

PCBs ANALYSIS; PAGE 3 OF 3
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
112018-41	181126-96	ND	ND	ND	ND	ND	0.637	ND	0.637	1
112018-42	181126-97	ND	ND	ND	ND	ND	5.02	ND	5.02	1
112018-44	181126-98	ND	ND	ND	ND	ND	2.83	ND	2.83	1
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1
	PQL	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	

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

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

Enviro-Chem, Inc.

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

EPA 8082 QA/QC Report

Matrix: **Soil/Solid/Sludge** Date Analyzed: **11/28/2018**

Unit: mg/Kg(PPM)

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

Spiked Sample Lab I.D.: 181128-LCS1/2

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
PCB (1016+1260)	0.000	0.100	0.084	**84%**	0.086	**86%**	**2%**	**0-20%**	**70-130**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	0.100	0.101	**101%**	**75-125**

Surrogate Recovery	ACP%	ACP%	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	181126-96	181126-97	181126-98	181116-92		
Tetra-chloro-meta-xylene	50-150	39%	105%	96%	105%	108%		
Decachlorobipneyl	50-150	59%	58%	55%	54%	94%		

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

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

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

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

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

Analyzed and Reviewed By: _____

Final Reviewer: _____

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

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

Misc./PO#: Malibu Bldg D

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	EPA Method 8082 Soxhlet Extraction 3540C
112018-1	181126-59	11-21-18		Bulk	1	4°C	Ice	X
2	-60				1			X
3	-61				1			X
4	-62				1			X
5	-63				1			X
6	Not used				X			X
7	-64				1			X
8	-65				1			X
9	-66				1			X
10	-67				1			X
11	-68				1			X
12	-69				1			X
13	-70				1			X
14	-71				1			X
15	-72				1			X

Analysis Required

COMMENTS

Company Name: Alta Environmental
Address: 3777 Long Beach
City/State/Zip: Long Beach Ca
Project Contact: David Schach
Tel:
Fax:
Sampler's Signature: [signature]
Project Name/ID: Malibu High Bldg D

Relinquished by: [signature]	Received by: [signature]	Date & Time: 11/26/18 1511
Relinquished by:	Received by:	Date & Time:
Relinquished by:	Received by:	Date & Time:

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

CHAIN OF CUSTODY RECORD

WHITE WITH SAMPLE • YELLOW TO CLIENT

Date: 11/26/18

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

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

Misc./PO#

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required: EPA Method 8082 Soxhlet Extraction 3540C									COMMENTS
112018-16	181126-73	11-21-18		Bulk	1	4°C	Ice	X									
17	-74	↓		↓	1		↓	X									
18	-75				1			X									
19	-76				1			X									
20	-77				1			X									
21	-78				1			X									
22	-79				1			X									
23	-80				1			X									
24	-81				1			X									
25	-82				1			X									
26	-83				1			X									
27	-84				1			X									
28	-85				1			X									
29	-86				1			X									
~~30~~ Not	Used				1			X									

Company Name: Alta Enviro[illegible]

Address: 3777 Long Beach Blvd

City/State/Zip: Long Beach Ca

Project Contact: David Schack

Tel:

Fax:

Sampler's Signature: [signature]

Project Name/ID: Malibu Hill - Bldg D

Relinquished by: [signature]	Received by: [signature]	Date & Time: 11/26/18 1571
Relinquished by:	Received by:	Date & Time:
Relinquished by:	Received by:	Date & Time:

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

CHAIN OF CUSTODY RECORD

Date: ____________

WHITE WITH SAMPLE • YELLOW TO CLIENT

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

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

EPA Method 8082 Soxhlet Extraction 3540 C

Misc./PO# Malibu - Bldg D

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required	COMMENTS
11 2018-31	Not Used								
-32	18116-87	11-21-18		Bulk	1		Ice	X	
-33	-88				1			X	
-34	-89				1			X	
-35	-90				1			X	
36	-91				1			X	
37	-92				1			X	
38 ☆	-93				1			X	Not Received ☆
39 ☆	-94				1			X	Not Received ☆
40	-95				1			X	
41	-96				1			X	
42	-97				1			X	
~~43~~ Received									
44	-98	☆			1			X	

Company Name: Atta Environtl
Address: 3777 Long Beach
City/State/Zip:
Project Contact: David Schack
Tel:
Fax/Email:
Sampler's Signature:
Project Name/ID: Malibu Bldg D

Relinquished by:	Received by:	Date & Time: 11/26/18 1571
Relinquished by:	Received by:	Date & Time:
Relinquished by:	Received by:	Date & Time:

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

CHAIN OF CUSTODY RECORD

Date: _____

WHITE WITH SAMPLE • YELLOW TO CLIENT

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

Date: January 11, 2019

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

Project: **Malibu High School Bldg D SMSD-18-8202**
Lab I.D.: **190108-43 through -48**

Dear Mr. Schack:

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

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

Sincerely,

for

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 E-Mail:David.Schack@altaenviron.com

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

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

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

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
010719-										
JR01	190108-43	ND	ND	ND	ND	ND	1.41	ND	1.41	1
JR02	190108-44	ND	ND	ND	ND	ND	1.49	ND	1.49	2
JR03	190108-45	ND	ND	ND	ND	ND	2.04	ND	2.04	2
JR04	190108-46	ND	ND	ND	ND	ND	1.72	ND	1.72	1
JR05	190108-47	ND	ND	ND	ND	ND	0.260	ND	0.260	1
JR06	190108-48	ND	ND	ND	ND	ND	9.77	ND	9.77	10
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1
PQL		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	

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

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

Enviro-Chem, Inc.

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

EPA 8082 QA/QC Report

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

Unit: mg/Kg(PPM)

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

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

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

Lab Control Spike (LCS) Recovery:

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

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

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

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

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

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

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

Analyzed and Reviewed By: _____

Final Reviewer: _____

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

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

RUSH

Misc./PO#

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	EPA 8082 Sonicated Extraction									COMMENTS
010719 - JR01	190108-43	01/07/19		Bulk	1		Ice	X									
-JR02	-44				1			X									
-JR03	-45				1			X									
-JR04	-46				1			X									
-JR05	-47				1			X									
-JR06	-48				1			X									
					4°C [illegible]												

Company Name: Alta Environmental
Address: 3777 Long Beach Blvd
City/State/Zip: Long Beach CA 90807

Project Contact: David Shuck / Scott W / Scott F.
Tel: (626) 410-5443
Fax/Email:

Sampler's Signature: [signature]
Project Name/ID: Malibu H.S. Bldg D SMSD-18-0202

Relinquished by: [signature]	Received by: [signature]	Date & Time: 01/08/19 09:[illegible]
Relinquished by:	Received by:	Date & Time:
Relinquished by:	Received by:	Date & Time:

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

CHAIN OF CUSTODY RECORD

Date: 01/08/19

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: March 2, 2020

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

Project: **MMHS Bldg D**
Lab I.D.: **200226-5 through -10**

Dear Mr. Barkman:

The **analytical results** for the solid samples, received by our laboratory on February 26, 2020, are attached. The samples were received chilled, intact, and accompanying chain of custody.

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

Sincerely,

Curtis Desilets
Vice President/Program Manager

Andy Wang
Laboratory Manager

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

LABORATORY REPORT

CUSTOMER: **Alta Environmental**
3777 Long Beach Blvd, Annex Building, Long Beach, CA 90807
Tel:(562)495-5777 E-Mail: Jonathan.Barkman@Altaenviron.com

PROJECT: **MMHS Bldg D**
DATE SAMPLED:02/25/20
MATRIX:SOLID
REPORT TO:MR. JONATHAN BARKMAN

DATE RECEIVED:02/26/20
DATE EXTRACTED:02/27/20
DATE ANALYZED:02/27-28/20
DATE REPORTED:03/02/20

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
022520-D1L	200226-5	ND	ND	ND	ND	2.99	3.92	ND	6.91	1
022520-D2L	200226-6	ND	ND	ND	ND	ND	5.14	ND	5.14	1
022520-D2M	200226-7	ND	ND	ND	ND	1.41	ND	ND	1.41	1
022520-D3R	200226-8	ND	ND	ND	ND	2.76	3.69	ND	6.45	1
022520-D1M	200226-9	ND	ND	ND	ND	ND	ND	ND	ND	1
022520-D3M	200226-10	ND	ND	ND	ND	ND	ND	ND	ND	1
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1
	PQL	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	

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

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

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

QA/QC Report

Analysis: EPA 8082 (PCB)

Matrix: **Soil/Solid/Liquid** Date Analyzed: **2/27-28/2020**

Unit: mg/Kg (PPM)

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

Spiked Sample Lab I.D.: 200227-LCS 3/4

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP % RPD	ACP %REC
PCB (1016+1260)	0.000	0.100	0.085	**85%**	0.082	**82%**	**4%**	**0-20%**	**70-130**

LCS STD RECOVERY:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	0.100	0.092	**92%**	**75-125**

S.R. = Sample Result
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
- 0 Same Day
- 0 24 Hours
- 0 48 Hours
- 0 72 Hours (circled)
- 0 1 Week (Standard)
- Other:

PRIORITY

Misc./PO#

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required: PCB 8082	Analysis Required: Soxhlet 3540	COMMENTS
022520-D1L	200226-5	02/25	1000	Caulk	1		4oz Jar	X	X	Wall Ceiling Joint
022520-D2L	-6	02/25	1020	Caulk	1		8oz Jar	X	X	Wall Ceiling Joint
022520-D2M	-7	02/25	1030	Mastic	1		8oz Jar	X	X	Ceiling Tile Mastic
022520-D3R	-8	02/25	1045	Caulk	1		4oz Jar	X	X	Ceiling Tile Mastic
022520-D1M	-9	02/25	1100	Mastic	1		8oz Jar	X	X	Wall Ceiling Joint
022520-D3M	-10	02/25	1120	Mastic	1		8oz Jar	X	X	Ceiling Tile Mastic

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

Project Contact: Jonathan Berkman
Tel: 310-920-8404
Fax/Email: jonathan.berkman@altaenviron.com

Sampler's Signature: [signature]
Project Name/ID: NMHS Bld D

Relinquished by: [signature]	Received by: [signature]	Date & Time: 2/26/2020 1150
Relinquished by:	Received by:	Date & Time:
Relinquished by:	Received by:	Date & Time:

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

CHAIN OF CUSTODY RECORD

WHITE WITH SAMPLE • YELLOW TO CLIENT

Date: 2/26/2020

Page 1 of 1

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

Date: March 5, 2020

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

Project: **MMHS Bldg D**
Lab I.D.: **200228-85 through -104**

Dear Mr. Barkman:

The **analytical results** for the solid samples, received by our laboratory on February 28, 2020, are attached. The samples were received chilled, intact, and accompanying chain of custody.

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

Sincerely,

Curtis Desilets
Vice President/Program Manager

Andy Wang
Laboratory Manager

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

LABORATORY REPORT

CUSTOMER: **Alta Environmental**
3777 Long Beach Blvd, Annex Building, Long Beach, CA 90807
Tel: (562) 495-5777 E-Mail: Jonathan.Barkman@Altaenviron.com

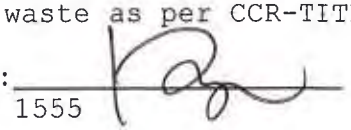
PROJECT: **MMHS Bldg D**
DATE SAMPLED: 02/27/20
MATRIX: SOLID
REPORT TO: MR. JONATHAN BARKMAN

DATE RECEIVED: 02/28/20
DATE EXTRACTED: 03/03/20
DATE ANALYZED: 03/03-04/20
DATE REPORTED: 03/05/20

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
22618-SF02-1	200228-85	ND	ND	ND	ND	ND	10.9	ND	10.9	2
22618-SF02-3	200228-86	ND	ND	ND	ND	ND	3.10	ND	3.10	2
22618-SF02-6	200228-87	ND	ND	ND	ND	ND	ND	ND	ND	1
22618-SF02-12	200228-88	ND	ND	ND	ND	ND	ND	ND	ND	1
22618-SF01-3	200228-89	ND	ND	ND	ND	ND	2.56	ND	2.56	2
22618-SF01-1	200228-90	ND	ND	ND	ND	ND	9.92	ND	9.92	2
22618-SF01-6	200228-91	ND	ND	ND	ND	ND	0.646	ND	0.646	1
22618-SF01-12	200228-92	ND	ND	ND	ND	ND	ND	ND	ND	1
022720-D-R1	200228-93	ND	ND	ND	ND	ND	ND	ND	ND	1
022720-D-R2	200228-94	ND	ND	ND	ND	ND	ND	ND	ND	1
022720-D-R3	200228-95	ND	ND	ND	ND	ND	ND	ND	ND	1
022720-D-R4	200228-96	ND	ND	ND	ND	ND	ND	ND	ND	1
022720-D-R5	200228-97	ND	ND	ND	ND	ND	1.56	ND	1.56	2
022720-D-R6	200228-98	ND	ND	ND	ND	ND	3.01	ND	3.01	2
022720-D-R7	200228-99	ND	ND	ND	ND	ND	2.31	ND	2.31	2
022720-D-R8	200228-100	ND	ND	ND	ND	ND	ND	ND	ND	1
022720-D-R9	200228-101	ND	ND	ND	ND	ND	ND	ND	ND	1
022720-D-R10	200228-102	ND	ND	ND	ND	ND	ND	ND	ND	1
022720-D-R11	200228-103	ND	ND	ND	ND	ND	2.72	ND	2.72	2
022720-D-R12	200228-104	ND	ND	ND	ND	ND	ND	ND	ND	1
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1
	PQL	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	

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

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

Enviro-Chem, Inc.

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

EPA 8082 QA/QC Report

Matrix: **Soil/Solid/Sludge** Date Analyzed: **3/3-4/2020**

Unit: mg/Kg(PPM)

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

Spiked Sample Lab I.D.: 200303-LCS 1/2

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
PCB (1016+1260)	0.000	0.100	0.091	**91%**	0.098	**98%**	**7%**	**0-20%**	**70-130**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	0.100	0.098	**98%**	**75-125**

Surrogate Recovery	ACP%	ACP%	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	200228-85	200228-86	200228-87	200228-88	200228-89	200228-90
Tetra-chloro-meta-xylene	50-150	88%	107%	106%	101%	99%	100%	108%
Decachlorobipneyl	50-150	87%	91%	94%	125%	97%	128%	103%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		200228-91	200228-92	200228-93	200228-94	200228-95	200228-96	200228-97
Tetra-chloro-meta-xylene	50-150	100%	106%	107%	112%	65%	72%	61%
Decachlorobipneyl	50-150	132%	133%	99%	96%	75%	85%	65%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		200228-98	200228-99	200228-100	200228-101	200228-102	200228-103	200228-104
Tetra-chloro-meta-xylene	50-150	142%	100%	93%	97%	113%	95%	82%
Decachlorobipneyl	50-150	89%	68%	52%	53%	64%	77%	67%

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

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

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

Analyzed and Reviewed By: _____

Final Reviewer: _____

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

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

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required: PCB 8082	Analysis Required: Soxhlet 3540	Misc./PO#	COMMENTS
22618-SF02-1	200228 S5	2/27	1250	Solid	1	ICE		X	X	SMSD-19-8991	Brick Rm208
22618-SF02-3	-S6	2/27	1255					X	X		
22618-SF02-6	-S7	2/27	1300					X	X		
22618-SF02-12	-S8	2/27	1305					X	X		
22618-SF01-3	-S9	2/27	1405					X	X		Brick Rm212
22618-SF01-1	-P0	2/27	1400					X	X		
22618-SF01-6	-P1	2/27	1410				ICE	X	X		
22618-SF01-12	-P2	2/27	1415				ICE	X	X		
022720-D-R1	-P3	2/27	1330					X	X		3X6 Penetration Seal
022720-D-R2	-P4	2/27	1335					X	X		Pipe Sealant 5
022720-D-R3	-P5	2/27	1340					X	X		Pipe Sealant SE
022720-D-R4	-P6	2/27	1345					X	X		Pipe Sealant
022720-D-R5	-P7	2/27	1340					X	X		Caulk Metal Flashing
022720-D-R6	-P8	2/27	1345					X	X		Caulk Metal Flash
022720-D-R7	-P9	2/27	1350					X	X		Caulk Metal Flash

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

Project Contact: Jonathan Barkman
Tel: 310-920-8494
Fax/Email: Jonathan.Barkman@altenviron.com

Sampler's Signature:
Project Name/ID: MMHS Bldg D

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

2/28/20 1640

CHAIN OF CUSTODY RECORD

Date:

WHITE WITH SAMPLE • YELLOW TO CLIENT

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

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

Misc./PO# SNSD-19-8997

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	RCB 8082	Sulfur 3546	COMMENTS
022720-D-R8	2002285.100	2/27	1420	Solid	1			X	X	Duct Sealant W
022720-D-R9	-101		1425					X	X	Duct Sealant E
022720-D-R10	-102		1430					X	X	Duct Sealant S
0227-20-D-R11	-103		1435					X	X	3X6 Vent NE
022720-D-R12	-104		1440					X	X	3X6 Vent W

Analysis Required

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

Project Contact: Jonathan Barkmann
Tel: 310-920-8404
Fax/Email: jonathan.barkmann@altaenviron.com

Sampler's Signature:

Project Name/ID: NMHS Bldg D

Relinquished by:	Received by:	Date & Time: 2/28/20 1640
Relinquished by:	Received by:	Date & Time:
Relinquished by:	Received by:	Date & Time:

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

CHAIN OF CUSTODY RECORD

Date: _____

WHITE WITH SAMPLE • YELLOW TO CLIENT

ANALYTICAL REPORT

Eurofins Calscience LLC
7440 Lincoln Way
Garden Grove, CA 92841
Tel: (714)895-5494

Laboratory Job ID: 570-23582-1
Client Project/Site: MMHS Bldg D - Paint PCBs

For:
Alta Environmental LP
3777 Long Beach Boulevard
Annex Building
Long Beach, California 90807

Attn: Jonathan Barkman

Vik Patel

Authorized for release by:
3/19/2020 5:42:27 PM

Vikas Patel, Project Manager I
(714)895-5494
vikaspatel@eurofinsus.com

Table of Contents

Definitions/Glossary

Client: Alta Environmental LP
Job ID: 570-23582-1
Project/Site: MMHS Bldg D - Paint PCBs

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: Alta Environmental LP
Project/Site: MMHS Bldg D - Paint PCBs

Job ID: 570-23582-1

Job ID: 570-23582-1

Laboratory: Eurofins Calscience LLC

Narrative

Job Narrative
570-23582-1

Comments
No additional comments.

Receipt
The samples were received on 3/16/2020 2:20 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.0º C.

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
Method 3540C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-57836. LCS/D was perform to meet QC requirement.

Method 3540C: Due to the matrix, the initial volume(s) used for the following samples deviated from the standard procedure: 031320-D-P1 (570-23582-1), 031320-D-P2 (570-23582-2), 031320-D-P3 (570-23582-3), 031320-D-P4 (570-23582-4), 031320-D-P5 (570-23582-5), 031320-D-P6 (570-23582-6), 031320-D-P7 (570-23582-7), 031320-D-P8 (570-23582-8), 031320-D-P9 (570-23582-9), 031320-D-P10 (570-23582-10), 031320-D-P11 (570-23582-11), 031320-D-P12 (570-23582-12), 031320-D-P13 (570-23582-13) and 031320-D-P14 (570-23582-14). The reporting limits (RLs) have been adjusted proportionately. Samples are limited. Adjusted from 20g to 1g. Samples are paint chips.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Alta Environmental LP
Project/Site: MMHS Bldg D - Paint PCBs

Job ID: 570-23582-1

Client Sample ID: 031320-D-P1 — Lab Sample ID: 570-23582-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Aroclor-1254	23000		2800		ug/Kg	1		8082	Total/NA

Client Sample ID: 031320-D-P2 — Lab Sample ID: 570-23582-2

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Aroclor-1254	15000		5600		ug/Kg	1		8082	Total/NA

Client Sample ID: 031320-D-P3 — Lab Sample ID: 570-23582-3

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Aroclor-1254	11000		4800		ug/Kg	1		8082	Total/NA

Client Sample ID: 031320-D-P4 — Lab Sample ID: 570-23582-4

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Aroclor-1254	10000		3300		ug/Kg	1		8082	Total/NA

Client Sample ID: 031320-D-P5 — Lab Sample ID: 570-23582-5

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Aroclor-1254	15000		3700		ug/Kg	1		8082	Total/NA

Client Sample ID: 031320-D-P6 — Lab Sample ID: 570-23582-6

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Aroclor-1254	13000		7100		ug/Kg	1		8082	Total/NA

Client Sample ID: 031320-D-P7 — Lab Sample ID: 570-23582-7

No Detections.

Client Sample ID: 031320-D-P8 — Lab Sample ID: 570-23582-8

No Detections.

Client Sample ID: 031320-D-P9 — Lab Sample ID: 570-23582-9

No Detections.

Client Sample ID: 031320-D-P10 — Lab Sample ID: 570-23582-10

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Aroclor-1254	38000		2900		ug/Kg	1		8082	Total/NA

Client Sample ID: 031320-D-P11 — Lab Sample ID: 570-23582-11

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Aroclor-1254	12000		6700		ug/Kg	1		8082	Total/NA

Client Sample ID: 031320-D-P12 — Lab Sample ID: 570-23582-12

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Aroclor-1254	11000		7100		ug/Kg	1		8082	Total/NA

Client Sample ID: 031320-D-P13 — Lab Sample ID: 570-23582-13

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Calscience LLC

Detection Summary

Client: Alta Environmental LP
Project/Site: MMHS Bldg D - Paint PCBs

Job ID: 570-23582-1

Client Sample ID: 031320-D-P14

Lab Sample ID: 570-23582-14

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Aroclor-1254	2800		1300		ug/Kg	1		8082	Total/NA

This Detection Summary does not include radiochemical test results.

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: 031320-D-P1
Date Collected: 03/13/20 10:00
Date Received: 03/16/20 14:20

Lab Sample ID: 570-23582-1
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		2800		ug/Kg		03/17/20 14:31	03/19/20 10:58	1
Aroclor-1221	ND		2800		ug/Kg		03/17/20 14:31	03/19/20 10:58	1
Aroclor-1232	ND		2800		ug/Kg		03/17/20 14:31	03/19/20 10:58	1
Aroclor-1242	ND		2800		ug/Kg		03/17/20 14:31	03/19/20 10:58	1
Aroclor-1248	ND		2800		ug/Kg		03/17/20 14:31	03/19/20 10:58	1
Aroclor-1254	**23000**		2800		ug/Kg		03/17/20 14:31	03/19/20 10:58	1
Aroclor-1260	ND		2800		ug/Kg		03/17/20 14:31	03/19/20 10:58	1
Aroclor-1262	ND		2800		ug/Kg		03/17/20 14:31	03/19/20 10:58	1
Aroclor-1268	ND		2800		ug/Kg		03/17/20 14:31	03/19/20 10:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*79*		*24 - 168*	*03/17/20 14:31*	*03/19/20 10:58*	*1*
Tetrachloro-m-xylene (Surr)	*88*		*25 - 145*	*03/17/20 14:31*	*03/19/20 10:58*	*1*

Client Sample ID: 031320-D-P2
Date Collected: 03/13/20 10:05
Date Received: 03/16/20 14:20

Lab Sample ID: 570-23582-2
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		5600		ug/Kg		03/17/20 14:31	03/19/20 11:16	1
Aroclor-1221	ND		5600		ug/Kg		03/17/20 14:31	03/19/20 11:16	1
Aroclor-1232	ND		5600		ug/Kg		03/17/20 14:31	03/19/20 11:16	1
Aroclor-1242	ND		5600		ug/Kg		03/17/20 14:31	03/19/20 11:16	1
Aroclor-1248	ND		5600		ug/Kg		03/17/20 14:31	03/19/20 11:16	1
Aroclor-1254	**15000**		5600		ug/Kg		03/17/20 14:31	03/19/20 11:16	1
Aroclor-1260	ND		5600		ug/Kg		03/17/20 14:31	03/19/20 11:16	1
Aroclor-1262	ND		5600		ug/Kg		03/17/20 14:31	03/19/20 11:16	1
Aroclor-1268	ND		5600		ug/Kg		03/17/20 14:31	03/19/20 11:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*80*		*24 - 168*	*03/17/20 14:31*	*03/19/20 11:16*	*1*
Tetrachloro-m-xylene (Surr)	*97*		*25 - 145*	*03/17/20 14:31*	*03/19/20 11:16*	*1*

Client Sample ID: 031320-D-P3
Date Collected: 03/13/20 10:15
Date Received: 03/16/20 14:20

Lab Sample ID: 570-23582-3
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		4800		ug/Kg		03/17/20 14:31	03/19/20 11:34	1
Aroclor-1221	ND		4800		ug/Kg		03/17/20 14:31	03/19/20 11:34	1
Aroclor-1232	ND		4800		ug/Kg		03/17/20 14:31	03/19/20 11:34	1
Aroclor-1242	ND		4800		ug/Kg		03/17/20 14:31	03/19/20 11:34	1
Aroclor-1248	ND		4800		ug/Kg		03/17/20 14:31	03/19/20 11:34	1
Aroclor-1254	**11000**		4800		ug/Kg		03/17/20 14:31	03/19/20 11:34	1
Aroclor-1260	ND		4800		ug/Kg		03/17/20 14:31	03/19/20 11:34	1
Aroclor-1262	ND		4800		ug/Kg		03/17/20 14:31	03/19/20 11:34	1
Aroclor-1268	ND		4800		ug/Kg		03/17/20 14:31	03/19/20 11:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*83*		*24 - 168*	*03/17/20 14:31*	*03/19/20 11:34*	*1*
Tetrachloro-m-xylene (Surr)	*100*		*25 - 145*	*03/17/20 14:31*	*03/19/20 11:34*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: 031320-D-P4
Date Collected: 03/13/20 10:20
Date Received: 03/16/20 14:20

Lab Sample ID: 570-23582-4
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		3300		ug/Kg		03/17/20 14:31	03/19/20 11:52	1
Aroclor-1221	ND		3300		ug/Kg		03/17/20 14:31	03/19/20 11:52	1
Aroclor-1232	ND		3300		ug/Kg		03/17/20 14:31	03/19/20 11:52	1
Aroclor-1242	ND		3300		ug/Kg		03/17/20 14:31	03/19/20 11:52	1
Aroclor-1248	ND		3300		ug/Kg		03/17/20 14:31	03/19/20 11:52	1
Aroclor-1254	**10000**		3300		ug/Kg		03/17/20 14:31	03/19/20 11:52	1
Aroclor-1260	ND		3300		ug/Kg		03/17/20 14:31	03/19/20 11:52	1
Aroclor-1262	ND		3300		ug/Kg		03/17/20 14:31	03/19/20 11:52	1
Aroclor-1268	ND		3300		ug/Kg		03/17/20 14:31	03/19/20 11:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*83*		*24 - 168*	*03/17/20 14:31*	*03/19/20 11:52*	*1*
Tetrachloro-m-xylene (Surr)	*99*		*25 - 145*	*03/17/20 14:31*	*03/19/20 11:52*	*1*

Client Sample ID: 031320-D-P5
Date Collected: 03/13/20 10:25
Date Received: 03/16/20 14:20

Lab Sample ID: 570-23582-5
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		3700		ug/Kg		03/17/20 14:31	03/19/20 12:10	1
Aroclor-1221	ND		3700		ug/Kg		03/17/20 14:31	03/19/20 12:10	1
Aroclor-1232	ND		3700		ug/Kg		03/17/20 14:31	03/19/20 12:10	1
Aroclor-1242	ND		3700		ug/Kg		03/17/20 14:31	03/19/20 12:10	1
Aroclor-1248	ND		3700		ug/Kg		03/17/20 14:31	03/19/20 12:10	1
Aroclor-1254	**15000**		3700		ug/Kg		03/17/20 14:31	03/19/20 12:10	1
Aroclor-1260	ND		3700		ug/Kg		03/17/20 14:31	03/19/20 12:10	1
Aroclor-1262	ND		3700		ug/Kg		03/17/20 14:31	03/19/20 12:10	1
Aroclor-1268	ND		3700		ug/Kg		03/17/20 14:31	03/19/20 12:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*79*		*24 - 168*	*03/17/20 14:31*	*03/19/20 12:10*	*1*
Tetrachloro-m-xylene (Surr)	*89*		*25 - 145*	*03/17/20 14:31*	*03/19/20 12:10*	*1*

Client Sample ID: 031320-D-P6
Date Collected: 03/13/20 10:35
Date Received: 03/16/20 14:20

Lab Sample ID: 570-23582-6
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		7100		ug/Kg		03/17/20 14:31	03/19/20 12:28	1
Aroclor-1221	ND		7100		ug/Kg		03/17/20 14:31	03/19/20 12:28	1
Aroclor-1232	ND		7100		ug/Kg		03/17/20 14:31	03/19/20 12:28	1
Aroclor-1242	ND		7100		ug/Kg		03/17/20 14:31	03/19/20 12:28	1
Aroclor-1248	ND		7100		ug/Kg		03/17/20 14:31	03/19/20 12:28	1
Aroclor-1254	**13000**		7100		ug/Kg		03/17/20 14:31	03/19/20 12:28	1
Aroclor-1260	ND		7100		ug/Kg		03/17/20 14:31	03/19/20 12:28	1
Aroclor-1262	ND		7100		ug/Kg		03/17/20 14:31	03/19/20 12:28	1
Aroclor-1268	ND		7100		ug/Kg		03/17/20 14:31	03/19/20 12:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*82*		*24 - 168*	*03/17/20 14:31*	*03/19/20 12:28*	*1*
Tetrachloro-m-xylene (Surr)	*96*		*25 - 145*	*03/17/20 14:31*	*03/19/20 12:28*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: 031320-D-P7
Date Collected: 03/13/20 10:40
Date Received: 03/16/20 14:20

Lab Sample ID: 570-23582-7
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		8300		ug/Kg		03/17/20 14:31	03/19/20 12:46	1
Aroclor-1221	ND		8300		ug/Kg		03/17/20 14:31	03/19/20 12:46	1
Aroclor-1232	ND		8300		ug/Kg		03/17/20 14:31	03/19/20 12:46	1
Aroclor-1242	ND		8300		ug/Kg		03/17/20 14:31	03/19/20 12:46	1
Aroclor-1248	ND		8300		ug/Kg		03/17/20 14:31	03/19/20 12:46	1
Aroclor-1254	ND		8300		ug/Kg		03/17/20 14:31	03/19/20 12:46	1
Aroclor-1260	ND		8300		ug/Kg		03/17/20 14:31	03/19/20 12:46	1
Aroclor-1262	ND		8300		ug/Kg		03/17/20 14:31	03/19/20 12:46	1
Aroclor-1268	ND		8300		ug/Kg		03/17/20 14:31	03/19/20 12:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*78*		*24 - 168*	*03/17/20 14:31*	*03/19/20 12:46*	*1*
Tetrachloro-m-xylene (Surr)	*92*		*25 - 145*	*03/17/20 14:31*	*03/19/20 12:46*	*1*

Client Sample ID: 031320-D-P8
Date Collected: 03/13/20 10:45
Date Received: 03/16/20 14:20

Lab Sample ID: 570-23582-8
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		2200		ug/Kg		03/17/20 14:31	03/19/20 13:04	1
Aroclor-1221	ND		2200		ug/Kg		03/17/20 14:31	03/19/20 13:04	1
Aroclor-1232	ND		2200		ug/Kg		03/17/20 14:31	03/19/20 13:04	1
Aroclor-1242	ND		2200		ug/Kg		03/17/20 14:31	03/19/20 13:04	1
Aroclor-1248	ND		2200		ug/Kg		03/17/20 14:31	03/19/20 13:04	1
Aroclor-1254	ND		2200		ug/Kg		03/17/20 14:31	03/19/20 13:04	1
Aroclor-1260	ND		2200		ug/Kg		03/17/20 14:31	03/19/20 13:04	1
Aroclor-1262	ND		2200		ug/Kg		03/17/20 14:31	03/19/20 13:04	1
Aroclor-1268	ND		2200		ug/Kg		03/17/20 14:31	03/19/20 13:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*84*		*24 - 168*	*03/17/20 14:31*	*03/19/20 13:04*	*1*
Tetrachloro-m-xylene (Surr)	*97*		*25 - 145*	*03/17/20 14:31*	*03/19/20 13:04*	*1*

Client Sample ID: 031320-D-P9
Date Collected: 03/13/20 10:55
Date Received: 03/16/20 14:20

Lab Sample ID: 570-23582-9
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		1100		ug/Kg		03/17/20 14:31	03/19/20 13:22	1
Aroclor-1221	ND		1100		ug/Kg		03/17/20 14:31	03/19/20 13:22	1
Aroclor-1232	ND		1100		ug/Kg		03/17/20 14:31	03/19/20 13:22	1
Aroclor-1242	ND		1100		ug/Kg		03/17/20 14:31	03/19/20 13:22	1
Aroclor-1248	ND		1100		ug/Kg		03/17/20 14:31	03/19/20 13:22	1
Aroclor-1254	ND		1100		ug/Kg		03/17/20 14:31	03/19/20 13:22	1
Aroclor-1260	ND		1100		ug/Kg		03/17/20 14:31	03/19/20 13:22	1
Aroclor-1262	ND		1100		ug/Kg		03/17/20 14:31	03/19/20 13:22	1
Aroclor-1268	ND		1100		ug/Kg		03/17/20 14:31	03/19/20 13:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*78*		*24 - 168*	*03/17/20 14:31*	*03/19/20 13:22*	*1*
Tetrachloro-m-xylene (Surr)	*90*		*25 - 145*	*03/17/20 14:31*	*03/19/20 13:22*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: 031320-D-P10
Date Collected: 03/13/20 11:10
Date Received: 03/16/20 14:20
Lab Sample ID: 570-23582-10
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		2900		ug/Kg		03/17/20 14:31	03/19/20 13:40	1
Aroclor-1221	ND		2900		ug/Kg		03/17/20 14:31	03/19/20 13:40	1
Aroclor-1232	ND		2900		ug/Kg		03/17/20 14:31	03/19/20 13:40	1
Aroclor-1242	ND		2900		ug/Kg		03/17/20 14:31	03/19/20 13:40	1
Aroclor-1248	ND		2900		ug/Kg		03/17/20 14:31	03/19/20 13:40	1
Aroclor-1254	**38000**		2900		ug/Kg		03/17/20 14:31	03/19/20 13:40	1
Aroclor-1260	ND		2900		ug/Kg		03/17/20 14:31	03/19/20 13:40	1
Aroclor-1262	ND		2900		ug/Kg		03/17/20 14:31	03/19/20 13:40	1
Aroclor-1268	ND		2900		ug/Kg		03/17/20 14:31	03/19/20 13:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*86*		*24 - 168*	*03/17/20 14:31*	*03/19/20 13:40*	*1*
Tetrachloro-m-xylene (Surr)	*105*		*25 - 145*	*03/17/20 14:31*	*03/19/20 13:40*	*1*

Client Sample ID: 031320-D-P11
Date Collected: 03/13/20 11:15
Date Received: 03/16/20 14:20
Lab Sample ID: 570-23582-11
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		6700		ug/Kg		03/17/20 14:31	03/19/20 13:58	1
Aroclor-1221	ND		6700		ug/Kg		03/17/20 14:31	03/19/20 13:58	1
Aroclor-1232	ND		6700		ug/Kg		03/17/20 14:31	03/19/20 13:58	1
Aroclor-1242	ND		6700		ug/Kg		03/17/20 14:31	03/19/20 13:58	1
Aroclor-1248	ND		6700		ug/Kg		03/17/20 14:31	03/19/20 13:58	1
Aroclor-1254	**12000**		6700		ug/Kg		03/17/20 14:31	03/19/20 13:58	1
Aroclor-1260	ND		6700		ug/Kg		03/17/20 14:31	03/19/20 13:58	1
Aroclor-1262	ND		6700		ug/Kg		03/17/20 14:31	03/19/20 13:58	1
Aroclor-1268	ND		6700		ug/Kg		03/17/20 14:31	03/19/20 13:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*84*		*24 - 168*	*03/17/20 14:31*	*03/19/20 13:58*	*1*
Tetrachloro-m-xylene (Surr)	*103*		*25 - 145*	*03/17/20 14:31*	*03/19/20 13:58*	*1*

Client Sample ID: 031320-D-P12
Date Collected: 03/13/20 11:20
Date Received: 03/16/20 14:20
Lab Sample ID: 570-23582-12
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		7100		ug/Kg		03/17/20 14:31	03/19/20 14:16	1
Aroclor-1221	ND		7100		ug/Kg		03/17/20 14:31	03/19/20 14:16	1
Aroclor-1232	ND		7100		ug/Kg		03/17/20 14:31	03/19/20 14:16	1
Aroclor-1242	ND		7100		ug/Kg		03/17/20 14:31	03/19/20 14:16	1
Aroclor-1248	ND		7100		ug/Kg		03/17/20 14:31	03/19/20 14:16	1
Aroclor-1254	**11000**		7100		ug/Kg		03/17/20 14:31	03/19/20 14:16	1
Aroclor-1260	ND		7100		ug/Kg		03/17/20 14:31	03/19/20 14:16	1
Aroclor-1262	ND		7100		ug/Kg		03/17/20 14:31	03/19/20 14:16	1
Aroclor-1268	ND		7100		ug/Kg		03/17/20 14:31	03/19/20 14:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*78*		*24 - 168*	*03/17/20 14:31*	*03/19/20 14:16*	*1*
Tetrachloro-m-xylene (Surr)	*97*		*25 - 145*	*03/17/20 14:31*	*03/19/20 14:16*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: 031320-D-P13
Date Collected: 03/13/20 11:30
Date Received: 03/16/20 14:20

Lab Sample ID: 570-23582-13
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		5300		ug/Kg		03/17/20 14:31	03/19/20 14:33	1
Aroclor-1221	ND		5300		ug/Kg		03/17/20 14:31	03/19/20 14:33	1
Aroclor-1232	ND		5300		ug/Kg		03/17/20 14:31	03/19/20 14:33	1
Aroclor-1242	ND		5300		ug/Kg		03/17/20 14:31	03/19/20 14:33	1
Aroclor-1248	ND		5300		ug/Kg		03/17/20 14:31	03/19/20 14:33	1
Aroclor-1254	ND		5300		ug/Kg		03/17/20 14:31	03/19/20 14:33	1
Aroclor-1260	ND		5300		ug/Kg		03/17/20 14:31	03/19/20 14:33	1
Aroclor-1262	ND		5300		ug/Kg		03/17/20 14:31	03/19/20 14:33	1
Aroclor-1268	ND		5300		ug/Kg		03/17/20 14:31	03/19/20 14:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*79*		*24 - 168*	*03/17/20 14:31*	*03/19/20 14:33*	*1*
Tetrachloro-m-xylene (Surr)	*95*		*25 - 145*	*03/17/20 14:31*	*03/19/20 14:33*	*1*

Client Sample ID: 031320-D-P14
Date Collected: 03/13/20 11:40
Date Received: 03/16/20 14:20

Lab Sample ID: 570-23582-14
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		1300		ug/Kg		03/17/20 14:31	03/19/20 14:51	1
Aroclor-1221	ND		1300		ug/Kg		03/17/20 14:31	03/19/20 14:51	1
Aroclor-1232	ND		1300		ug/Kg		03/17/20 14:31	03/19/20 14:51	1
Aroclor-1242	ND		1300		ug/Kg		03/17/20 14:31	03/19/20 14:51	1
Aroclor-1248	ND		1300		ug/Kg		03/17/20 14:31	03/19/20 14:51	1
Aroclor-1254	**2800**		1300		ug/Kg		03/17/20 14:31	03/19/20 14:51	1
Aroclor-1260	ND		1300		ug/Kg		03/17/20 14:31	03/19/20 14:51	1
Aroclor-1262	ND		1300		ug/Kg		03/17/20 14:31	03/19/20 14:51	1
Aroclor-1268	ND		1300		ug/Kg		03/17/20 14:31	03/19/20 14:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*85*		*24 - 168*	*03/17/20 14:31*	*03/19/20 14:51*	*1*
Tetrachloro-m-xylene (Surr)	*103*		*25 - 145*	*03/17/20 14:31*	*03/19/20 14:51*	*1*

Surrogate Summary

Client: Alta Environmental LP
Project/Site: MMHS Bldg D - Paint PCBs

Job ID: 570-23582-1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
		DCB1	TCX1
Lab Sample ID	Client Sample ID	(24-168)	(25-145)
570-23582-1	031320-D-P1	79	88
570-23582-2	031320-D-P2	80	97
570-23582-3	031320-D-P3	83	100
570-23582-4	031320-D-P4	83	99
570-23582-5	031320-D-P5	79	89
570-23582-6	031320-D-P6	82	96
570-23582-7	031320-D-P7	78	92
570-23582-8	031320-D-P8	84	97
570-23582-9	031320-D-P9	78	90
570-23582-10	031320-D-P10	86	105
570-23582-11	031320-D-P11	84	103
570-23582-12	031320-D-P12	78	97
570-23582-13	031320-D-P13	79	95
570-23582-14	031320-D-P14	85	103
LCS 570-57836/2-A	Lab Control Sample	80	96
LCSD 570-57836/3-A	Lab Control Sample Dup	84	98
MB 570-57836/1-A	Method Blank	81	96

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)
TCX = Tetrachloro-m-xylene (Surr)

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 570-57836/1-A
Matrix: Solid
Analysis Batch: 58280

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 57836

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		03/17/20 14:31	03/19/20 10:05	1
Aroclor-1221	ND		50		ug/Kg		03/17/20 14:31	03/19/20 10:05	1
Aroclor-1232	ND		50		ug/Kg		03/17/20 14:31	03/19/20 10:05	1
Aroclor-1242	ND		50		ug/Kg		03/17/20 14:31	03/19/20 10:05	1
Aroclor-1248	ND		50		ug/Kg		03/17/20 14:31	03/19/20 10:05	1
Aroclor-1254	ND		50		ug/Kg		03/17/20 14:31	03/19/20 10:05	1
Aroclor-1260	ND		50		ug/Kg		03/17/20 14:31	03/19/20 10:05	1
Aroclor-1262	ND		50		ug/Kg		03/17/20 14:31	03/19/20 10:05	1
Aroclor-1268	ND		50		ug/Kg		03/17/20 14:31	03/19/20 10:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*81*		*24 - 168*	*03/17/20 14:31*	*03/19/20 10:05*	*1*
Tetrachloro-m-xylene (Surr)	*96*		*25 - 145*	*03/17/20 14:31*	*03/19/20 10:05*	*1*

Lab Sample ID: LCS 570-57836/2-A
Matrix: Solid
Analysis Batch: 58280

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 57836

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Aroclor-1016			100	101.3		ug/Kg		101	50 - 135		
Aroclor-1260			100	94.46		ug/Kg		94	50 - 135		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*80*		*24 - 168*
Tetrachloro-m-xylene (Surr)	*96*		*25 - 145*

Lab Sample ID: LCSD 570-57836/3-A
Matrix: Solid
Analysis Batch: 58280

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 57836

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor-1016			100	105.1		ug/Kg		105	50 - 135	4	20
Aroclor-1260			100	96.91		ug/Kg		97	50 - 135	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*84*		*24 - 168*
Tetrachloro-m-xylene (Surr)	*98*		*25 - 145*

QC Association Summary

Client: Alta Environmental LP
Project/Site: MMHS Bldg D - Paint PCBs

Job ID: 570-23582-1

GC Semi VOA

Prep Batch: 57836

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-23582-1	031320-D-P1	Total/NA	Solid	3540C	
570-23582-2	031320-D-P2	Total/NA	Solid	3540C	
570-23582-3	031320-D-P3	Total/NA	Solid	3540C	
570-23582-4	031320-D-P4	Total/NA	Solid	3540C	
570-23582-5	031320-D-P5	Total/NA	Solid	3540C	
570-23582-6	031320-D-P6	Total/NA	Solid	3540C	
570-23582-7	031320-D-P7	Total/NA	Solid	3540C	
570-23582-8	031320-D-P8	Total/NA	Solid	3540C	
570-23582-9	031320-D-P9	Total/NA	Solid	3540C	
570-23582-10	031320-D-P10	Total/NA	Solid	3540C	
570-23582-11	031320-D-P11	Total/NA	Solid	3540C	
570-23582-12	031320-D-P12	Total/NA	Solid	3540C	
570-23582-13	031320-D-P13	Total/NA	Solid	3540C	
570-23582-14	031320-D-P14	Total/NA	Solid	3540C	
MB 570-57836/1-A	Method Blank	Total/NA	Solid	3540C	
LCS 570-57836/2-A	Lab Control Sample	Total/NA	Solid	3540C	
LCSD 570-57836/3-A	Lab Control Sample Dup	Total/NA	Solid	3540C	

Analysis Batch: 58280

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-23582-1	031320-D-P1	Total/NA	Solid	8082	57836
570-23582-2	031320-D-P2	Total/NA	Solid	8082	57836
570-23582-3	031320-D-P3	Total/NA	Solid	8082	57836
570-23582-4	031320-D-P4	Total/NA	Solid	8082	57836
570-23582-5	031320-D-P5	Total/NA	Solid	8082	57836
570-23582-6	031320-D-P6	Total/NA	Solid	8082	57836
570-23582-7	031320-D-P7	Total/NA	Solid	8082	57836
570-23582-8	031320-D-P8	Total/NA	Solid	8082	57836
570-23582-9	031320-D-P9	Total/NA	Solid	8082	57836
570-23582-10	031320-D-P10	Total/NA	Solid	8082	57836
570-23582-11	031320-D-P11	Total/NA	Solid	8082	57836
570-23582-12	031320-D-P12	Total/NA	Solid	8082	57836
570-23582-13	031320-D-P13	Total/NA	Solid	8082	57836
570-23582-14	031320-D-P14	Total/NA	Solid	8082	57836
MB 570-57836/1-A	Method Blank	Total/NA	Solid	8082	57836
LCS 570-57836/2-A	Lab Control Sample	Total/NA	Solid	8082	57836
LCSD 570-57836/3-A	Lab Control Sample Dup	Total/NA	Solid	8082	57836

Lab Chronicle

Client: Alta Environmental LP
Project/Site: MMHS Bldg D - Paint PCBs

Job ID: 570-23582-1

Client Sample ID: 031320-D-P1
Date Collected: 03/13/20 10:00
Date Received: 03/16/20 14:20

Lab Sample ID: 570-23582-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			.36 g	10 mL	57836	03/17/20 14:31	F7UI	ECL 1
Total/NA	Analysis	8082		1			58280	03/19/20 10:58	UHHN	ECL 1
	Instrument ID: GC58									

Client Sample ID: 031320-D-P2
Date Collected: 03/13/20 10:05
Date Received: 03/16/20 14:20

Lab Sample ID: 570-23582-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			.18 g	10 mL	57836	03/17/20 14:31	F7UI	ECL 1
Total/NA	Analysis	8082		1			58280	03/19/20 11:16	UHHN	ECL 1
	Instrument ID: GC58									

Client Sample ID: 031320-D-P3
Date Collected: 03/13/20 10:15
Date Received: 03/16/20 14:20

Lab Sample ID: 570-23582-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			.21 g	10 mL	57836	03/17/20 14:31	F7UI	ECL 1
Total/NA	Analysis	8082		1			58280	03/19/20 11:34	UHHN	ECL 1
	Instrument ID: GC58									

Client Sample ID: 031320-D-P4
Date Collected: 03/13/20 10:20
Date Received: 03/16/20 14:20

Lab Sample ID: 570-23582-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			.30 g	10 mL	57836	03/17/20 14:31	F7UI	ECL 1
Total/NA	Analysis	8082		1			58280	03/19/20 11:52	UHHN	ECL 1
	Instrument ID: GC58									

Client Sample ID: 031320-D-P5
Date Collected: 03/13/20 10:25
Date Received: 03/16/20 14:20

Lab Sample ID: 570-23582-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			.27 g	10 mL	57836	03/17/20 14:31	F7UI	ECL 1
Total/NA	Analysis	8082		1			58280	03/19/20 12:10	UHHN	ECL 1
	Instrument ID: GC58									

Lab Chronicle

Client: Alta Environmental LP
Project/Site: MMHS Bldg D - Paint PCBs

Job ID: 570-23582-1

Client Sample ID: 031320-D-P6
Date Collected: 03/13/20 10:35
Date Received: 03/16/20 14:20

Lab Sample ID: 570-23582-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			.14 g	10 mL	57836	03/17/20 14:31	F7UI	ECL 1
Total/NA	Analysis	8082		1			58280	03/19/20 12:28	UHHN	ECL 1
	Instrument ID: GC58									

Client Sample ID: 031320-D-P7
Date Collected: 03/13/20 10:40
Date Received: 03/16/20 14:20

Lab Sample ID: 570-23582-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			.12 g	10 mL	57836	03/17/20 14:31	F7UI	ECL 1
Total/NA	Analysis	8082		1			58280	03/19/20 12:46	UHHN	ECL 1
	Instrument ID: GC58									

Client Sample ID: 031320-D-P8
Date Collected: 03/13/20 10:45
Date Received: 03/16/20 14:20

Lab Sample ID: 570-23582-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			.46 g	10 mL	57836	03/17/20 14:31	F7UI	ECL 1
Total/NA	Analysis	8082		1			58280	03/19/20 13:04	UHHN	ECL 1
	Instrument ID: GC58									

Client Sample ID: 031320-D-P9
Date Collected: 03/13/20 10:55
Date Received: 03/16/20 14:20

Lab Sample ID: 570-23582-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			.92 g	10 mL	57836	03/17/20 14:31	F7UI	ECL 1
Total/NA	Analysis	8082		1			58280	03/19/20 13:22	UHHN	ECL 1
	Instrument ID: GC58									

Client Sample ID: 031320-D-P10
Date Collected: 03/13/20 11:10
Date Received: 03/16/20 14:20

Lab Sample ID: 570-23582-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			.34 g	10 mL	57836	03/17/20 14:31	F7UI	ECL 1
Total/NA	Analysis	8082		1			58280	03/19/20 13:40	UHHN	ECL 1
	Instrument ID: GC58									

Lab Chronicle

Client: Alta Environmental LP
Project/Site: MMHS Bldg D - Paint PCBs

Job ID: 570-23582-1

Client Sample ID: 031320-D-P11

Date Collected: 03/13/20 11:15
Date Received: 03/16/20 14:20

Lab Sample ID: 570-23582-11

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			.15 g	10 mL	57836	03/17/20 14:31	F7UI	ECL 1
Total/NA	Analysis	8082		1			58280	03/19/20 13:58	UHHN	ECL 1
	Instrument ID: GC58									

Client Sample ID: 031320-D-P12

Date Collected: 03/13/20 11:20
Date Received: 03/16/20 14:20

Lab Sample ID: 570-23582-12

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			.14 g	10 mL	57836	03/17/20 14:31	F7UI	ECL 1
Total/NA	Analysis	8082		1			58280	03/19/20 14:16	UHHN	ECL 1
	Instrument ID: GC58									

Client Sample ID: 031320-D-P13

Date Collected: 03/13/20 11:30
Date Received: 03/16/20 14:20

Lab Sample ID: 570-23582-13

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			.19 g	10 mL	57836	03/17/20 14:31	F7UI	ECL 1
Total/NA	Analysis	8082		1			58280	03/19/20 14:33	UHHN	ECL 1
	Instrument ID: GC58									

Client Sample ID: 031320-D-P14

Date Collected: 03/13/20 11:40
Date Received: 03/16/20 14:20

Lab Sample ID: 570-23582-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			.76 g	10 mL	57836	03/17/20 14:31	F7UI	ECL 1
Total/NA	Analysis	8082		1			58280	03/19/20 14:51	UHHN	ECL 1
	Instrument ID: GC58									

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

Accreditation/Certification Summary

Client: Alta Environmental LP
Job ID: 570-23582-1
Project/Site: MMHS Bldg D - Paint PCBs

Laboratory: Eurofins Calscience LLC

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	State	2944	09-29-20

Method Summary

Client: Alta Environmental LP
Project/Site: MMHS Bldg D - Paint PCBs

Job ID: 570-23582-1

Method	Method Description	Protocol	Laboratory
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	ECL 1
3540C	Soxhlet Extraction	SW846	ECL 1

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

Sample Summary

Client: Alta Environmental LP
Project/Site: MMHS Bldg D - Paint PCBs

Job ID: 570-23582-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-23582-1	031320-D-P1	Solid	03/13/20 10:00	03/16/20 14:20	
570-23582-2	031320-D-P2	Solid	03/13/20 10:05	03/16/20 14:20	
570-23582-3	031320-D-P3	Solid	03/13/20 10:15	03/16/20 14:20	
570-23582-4	031320-D-P4	Solid	03/13/20 10:20	03/16/20 14:20	
570-23582-5	031320-D-P5	Solid	03/13/20 10:25	03/16/20 14:20	
570-23582-6	031320-D-P6	Solid	03/13/20 10:35	03/16/20 14:20	
570-23582-7	031320-D-P7	Solid	03/13/20 10:40	03/16/20 14:20	
570-23582-8	031320-D-P8	Solid	03/13/20 10:45	03/16/20 14:20	
570-23582-9	031320-D-P9	Solid	03/13/20 10:55	03/16/20 14:20	
570-23582-10	031320-D-P10	Solid	03/13/20 11:10	03/16/20 14:20	
570-23582-11	031320-D-P11	Solid	03/13/20 11:15	03/16/20 14:20	
570-23582-12	031320-D-P12	Solid	03/13/20 11:20	03/16/20 14:20	
570-23582-13	031320-D-P13	Solid	03/13/20 11:30	03/16/20 14:20	
570-23582-14	031320-D-P14	Solid	03/13/20 11:40	03/16/20 14:20	

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For courier service / sample drop off information, contact us26_sales@eurofinsus.com or call us.

570-23582 Chain of Custody

23582
CHAIN OF CUSTODY RECORD

DATE: 03/13/20

PAGE: 1 OF 2

LABORATORY CLIENT: Alta Environmental

ADDRESS: 3777 Long Beach Blvd, Annex Bldg

CITY: Long Beach STATE: CA ZIP: 90807

TEL: 562-495-5777 E-MAIL: Jonathan.Barkman@altaenviron.com

CLIENT PROJECT NAME / NUMBER: MMHS Bldg D - Paint PCBs

P.O. NO.: SMSD-19-8997

PROJECT CONTACT: Jonathan Barkman

SAMPLER(S): (PRINT) JEB

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☒ 72 HR ☐ 5 DAYS ☐ STANDARD

☐ COELT EDF GLOBAL ID: LOG CODE:

SPECIAL INSTRUCTIONS:
Soxhlet Extraction for all samples

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	☐ TPH(g) ☐ GRO	☐ TPH(d) ☐ DRO	TPH ☐ C6-C36 ☐ C6-C44	TPH ____	BTEX / MTBE ☐ 8260 ☐ ____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☐ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6				
	031320-D-P1	3/13/2020	1000	Solid	1														X						
	031320-D-P2	3/13/2020	1005	Solid	1														X						
	031320-D-P3	3/13/2020	1015	Solid	1														X						
	031320-D-P4	3/13/2020	1020	Solid	1														X						
	031320-D-P5	3/13/2020	1025	Solid	1														X						
	031320-D-P6	3/13/2020	1035	Solid	1														X						
	031320-D-P7	3/13/2020	1040	Solid	1														X						
	031320-D-P8	3/13/2020	1045	Solid	1														X						
	031320-D-P9	3/13/2020	1055	Solid	1														X						
	031320-D-P10	3/13/2020	1110	Solid	1														X						

Relinquished by: (Signature)	Received by: (Signature/Affiliation) EC	Date: 3/16/2020	Time: 1328
Relinquished by: (Signature) Rudy M	Received by: (Signature/Affiliation) ECI	Date: 3-16-2020	Time: 14:20
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

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7440 Lincoln Way, Garden Grove, CA 92841-1427 • (714) 895-5494
For courier service / sample drop off information, contact us26_sales@eurofinsus.com or call us.

CHAIN OF CUSTODY RECORD

WO # / LAB USE ONLY:

DATE: 03/13/20

PAGE: 2 OF 2

LABORATORY CLIENT: Alta Environmental	CLIENT PROJECT NAME / NUMBER: MMHS Bldg D - Paint PCBs
ADDRESS: 3777 Long Beach Blvd, Annex Bldg	P.O. NO.: SMSD-19-8997
CITY: Long Beach STATE: CA ZIP: 90807	PROJECT CONTACT: Jonathan Barkman
TEL: 562-495-5777 E-MAIL: Jonathan.Barkman@altaenviron.com	SAMPLER(S): (PRINT) JEB

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☒ 72 HR ☐ 5 DAYS ☐ STANDARD

☐ COELT EDF GLOBAL ID: LOG CODE:

SPECIAL INSTRUCTIONS:
Soxhlet Extraction for all samples

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	☐ TPH(g) ☐ GRO	☐ TPH(d) ☐ DRO	TPH ☐ C6-C36 ☐ C6-C44	TPH ____	BTEX / MTBE ☐ 8260 ☐ ____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☐ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6
	031320-D-P11	3/13/2020	1115	Solid	1														X			
	031320-D-P12	3/13/2020	1120	Solid	1														X			
	031320-D-P13	3/13/2020	1130	Solid	1														X			
	031320-D-P14	3/13/2020	1140	Solid	1														X			

Relinquished by: (Signature)	Received by: (Signature/Affiliation) EC	Date: 3/16/2020	Time: 1728
Relinquished by: (Signature)	Received by: (Signature/Affiliation) ECI	Date: 3-16-2020	Time: 14:20
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

06/02/14 Revision

3/19/2020

Login Sample Receipt Checklist

Client: Alta Environmental LP

Job Number: 570-23582-1

Login Number: 23582
List Number: 1
Creator: Cortez Diaz, Antonio

List Source: Eurofins Calscience

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TABLES

Table 1
Potentially PCB Impacted Building Materials Sampling Results
Malibu High School
Building D

Room	Sample Number	Component Type	Sample Description	Total PCBs (mg/kg)
First Floor				
101A	02	Floor	9" beige floor tile and black mastic	**86.1**
	05	Floor	Adhesive for carpet	11.6
	14	Wall	4" blue cove base with glue	2.71
	12	Exterior Door	caulk	1.5
Storage RM 101A	110818-FR5	Interior single door	White caulk	2.57
101B	03	Floor	9" beige floor tile and black mastic	**106**
	06	Floor	Adhesive for carpet	8.18
	16	Wall	4" blue cove base with glue	2.17
	010719-JR04	Exterior door	Stucco	1.72
102	110818-CB25	Exterior single door	Beige door caulk	2.09
	110818-CB24	Exterior single door	Beige door caulk	0.765
102A	010719-JR03	Interior door	Stucco	2.04
	110818-FR4	Interior single door	Gray caulk	0.619
	09	Exterior Window	caulk	ND
102B	04	Exterior Door	caulk	ND
103	22618-SF05	2'.6" x 8'.6" vent	caulk	**80,800**
	09	Floor	12" light grey speckled floor tile with glue	5.5
	110818-CB3	Door with window	Beige door caulk	0.994
	110818-CB2	Door with window	Beige door caulk	0.889
	110818-CB11	Window on door frame	Window glazing (clear)	ND
	110818-CB12	Window on door frame	Window glazing (clear)	ND
103A	02	Interior Door	caulk	2.34
	110818-FR6	Interior single door	White caulk	1.31
103B	110818-FR7	Interior single door	White caulk	0.885
104	22618-SF06	2'.6" x 8'.6" vent	caulk	7.24
	110818-CB17	Window on door frame	Window glazing (clear)	1.16
	110818-CB9	Door with window	Beige door caulk	0.836
	110818-CB8	Door with window	Beige door caulk	0.682
104A	110818-FR8	Interior single door	White caulk	1.61
104B	110818-FR9	Interior single door	White caulk	1.78
	110818-FR10	Interior single door	White caulk	0.873
105	110818-CB14	Window on door frame	Window glazing (clear)	1.77
	110818-CB5	Door with window	Beige door caulk	1.51
	110818-CB4	Door with window	Beige door caulk	0.989
	110818-CB13	Window on door frame	Window glazing (clear)	0.532
106	21	Floor	12" light grey speckled floor tile with glue	**96.3**
	10	Floor	12" light grey speckled floor tile with glue	47.6
	110818-CB6	Door with window	Beige door caulk	1.22
	110818-CB16	Window on door frame	Window glazing (clear)	1.20
	110818-CB7	Door with window	Beige door caulk	1.18
	110818-CB15	Window on door frame	Window glazing (clear)	0.776
	010719-JR05	Interior door	Stucco	0.260
106A	03	Interior Door	caulk	3.71
	15	Wall	4" blue cove base with glue	2.34
109	20618-FR14	Door vent	caulk	33.5
112/120	1025-7	Floor	Mastic associated with 9" beige floor tile	**5,390**
	17	Exterior Window	caulk	**2,170**
	18	Exterior window	caulk	**2,160**
	01	Floor	9" beige floor tile and black mastic	**199**
	04	Floor	Adhesive for carpet	5.88
	110818-FR3	Interior single door	White caulk	4.05
	13	Wall	4" grey cove base with glue	3.00
	07	Wall	4" brown cove base and glue	3.27
	110818-CB33	Exterior single door	Brownish red caulk	2.66
	110818-CB32	Exterior single door	Brownish red caulk	1.43
	110818-CB31	Exterior single door	Brownish red caulk	1.38
	1127-D2	Exterior Door	caulk	3.77
	110818-FR2	Interior single door	White caulk	3.75
	16	Exterior Window	Glazing	ND

Table 1
Potentially PCB Impacted Building Materials Sampling Results
Malibu High School
Building D

Room	Sample Number	Component Type	Sample Description	Total PCBs (mg/kg)
112A	110818-CB1	Door with window	Beige door caulk	7.01
	110818-CB10	Window on door frame	Window glazing (clear)	0.898
	110818-FR1	Interior single door	White caulk	0.394
113	1025-8	Floor	Glue associated with 12" light grey speckled floor tile	**188**
	08	Floor	12" light grey speckled floor tile with glue	**64.4**
	01	Interior Door	caulk	3.75
	11	Wall	4" grey covebase with glue	2.25
116	12	Wall	4" grey cove base with glue	1.51
118	010719-JR02	Interior door	Stucco	1.49
122	010719-JR06	Exterior door	Stucco	9.77
Rm 112/120, North of Storefront window	031320-D-P10	Paint	White, gloss w/ off-white beneath (2-layers)	38
Rm 111, vestibule north of Rm 112/120, south of exterior door	031320-D-P11	Paint	White, gloss w/ off-white beneath (2-layers)	12
Rm 111, vestibule north of Rm 112/120, north of exterior door	031320-D-P12	Paint	White, gloss w/ off-white beneath (2-layers)	11
NW Stairwell - 1st Floor	031320-D-P1	Paint	Off-white, Semi-gloss	23
Stair #1 - 1st Floor	11	Exterior Door	caulk	2.53
Storage 1st Floor adjacent Stair #1	110818-CB21	Double door	Beige door caulk	2.40
Storage 1st Floor adjacent Stair #3	110818-CB29	Exterior single door	Beige /Gray caulk	2.09
Stair #3 - 1st Floor	110818-CB30	Exterior single door	Gray caulk	1.99
Stair #2 - 1st Floor	110818-CB26	Exterior single door	Beige door caulk	1.97
Storage 1st Floor adjacent Stair #1	110818-CB20	Double door	Beige door caulk	1.93
Stair #1 - 1st Floor	110818-CB19	Single door	Beige door caulk	1.71
Storage 1st Floor adjacent Boy's Toilet	110818-CB23	Exterior single door	Beige door caulk	1.59
Adjacent to Door RM 118	010719-JR01	Exterior door	caulk	1.41
Stair #4 - 1st Floor	110818-CB27	Exterior single door	Beige door caulk	1.17
Stair #4 - 1st Floor	110818-CB28	Exterior single door	Beige door caulk	0.909
Storage 1st Floor adjacent Men's Toilet	110818-CB22	Exterior single door	Beige door caulk	0.683

Second Floor

200	20618-FR6	2'.6" x 8'.6" vent	caulk	5.66
	112018-13	Interior single door	Beige caulk	0.647
201	22618-SF09	2'.6" x 8'.6" vent	caulk	**100,000**
	22618-SF08	2'.6" x 8'.6" vent	caulk	**40,800**
	17	Floor	12" light blue floor tile with glue	**59.7**
	112018-8	Exterior single door	Beige caulk	3.68
201A	112018-9	Interior single door	Beige caulk	3.34
202	15	Exterior Window	caulk	2.93
	031320-D-P14	Paint	On sand-coat/wall texture, Blue	2.8
	22618-SF07	2'.6" x 8'.6" vent	caulk	2.51
	112018-15	Interior single door	Beige caulk	1.49
	112018-7	Exterior single door	Beige caulk	1.26
	14	Exterior Window	Glazing	1.1
	13	Exterior Window	Glazing	0.932
	031320-D-P13	Paint	On sand-coat/wall texture, Blue	ND
202A	112018-10	Interior single door	Beige caulk	3.37
203	031320-D-P6	Paint	On brick, beige, gloss	13
	112018-29	Exterior door with window panel	Beige caulk	0.994

Table 1
Potentially PCB Impacted Building Materials Sampling Results
Malibu High School
Building D

Room	Sample Number	Component Type	Sample Description	Total PCBs (mg/kg)
204	06	Exterior Door	caulk	2.78
	112018-17	Exterior door with window frame	Beige caulk	2.13
	07	Exterior Window	caulk	ND
	031320-D-P8	Paint	On sand-coat/wall texture, Green	ND
	031320-D-P9	Paint	On sand-coat/wall texture, Green	ND
205	112018-28	Exterior door with window panel	Beige caulk	0.755
	112018-41	Window panel	Clear caulk	0.637
	112018-40	Window panel	Clear caulk	0.614
206	20618-FR5	2'.6" x 8'.6" vent	caulk	**239,000**
	20618-FR2	1' x 4'.2" vent	caulk	5.01
	112018-18	Exterior door with window frame	Beige caulk	0.748
	112018-43	Window panel	Hard gray caulk	ND
207	1025-9	Floor	Glue associated with 12" light blue floor tile	**488**
	18	Floor	12" light blue floor tile with glue	**117**
	112018-27	Exterior door with window panel	Beige caulk	1.39
208	22618-SF02	2'.6" x 8'.6" vent	caulk	**84,900**
	112018-32	Window panel	Clear caulk	0.582
	112018-19	Exterior door with window frame	Beige caulk	0.463
209	22618-SF03	2'.6" x 8'.6" vent	caulk	**97,700**
	112018-26	Exterior door with window panel	Beige caulk	0.628
210	22618-SF01	2'.6" x 8'.6" vent	caulk	**145,000**
	112018-21	Exterior door with window frame	Beige caulk	2.28
	112018-20	Exterior door with window frame	Beige caulk	1.15
	112018-33	Window panel	Clear caulk	0.944
211	20618-FR4	2'.6" x 8'.6" vent	caulk	16.2
	20618-FR1	1' x 4'.2" vent	caulk	6.91
	112018-3	Interior single door	White caulk	5.36
	112018-36	Window panel	Hard gray caulk	1.61
	112018-24	Exterior door with window panel	Beige caulk	1.10
	112018-37	Window panel	Hard gray caulk	1.03
	112018-25	Exterior door with window panel	Beige caulk	1.01
212	22618-SF04	2'.6" x 8'.6" vent	caulk	**141,000**
	20618-FR3	1' x 4'.2" vent	caulk	7.03
	05	Exterior Door	caulk	6.98
	112018-1	Interior single door	White caulk	3.01
	112018-23	Exterior door with window frame	Beige caulk	1.54
	112018-35	Window panel	Clear caulk	1.32
	112018-34	Window panel	Clear caulk	1.14
	112018-22	Exterior door with window frame	Beige caulk	0.634
	08	Exterior Window	caulk	ND
	031320-D-P7	Paint	On sand-coat/wall texture, beige, gloss	ND
213	112018-4	Exterior single door	Beige caulk	2.92
	112018-2	Interior single door	White caulk	1.48
214	10	Exterior Door	caulk	4.74

Table 1
Potentially PCB Impacted Building Materials Sampling Results
Malibu High School
Building D

Room	Sample Number	Component Type	Sample Description	Total PCBs (mg/kg)
214A	112018-11	Interior single door	Beige caulk	ND
214C	112018-12	Interior single door	Beige caulk	ND
215	20	Floor	12" light blue floor tile with glue	**78.2**
	19	Floor	12" light blue floor tile with glue	20.2
219	112018-5	Exterior single door	Beige caulk	1.94
NW Stairwell - 2nd Floor	031320-D-P2	Paint	Off-white, Semi-gloss	15
SW Stairwell - 2nd Floor	031320-D-P5	Paint	Off-white, semi-gloss	15
Rm 202 Roof access stairwell "room"	031320-D-P3	Paint	Beige, gloss	11
2nd Floor indoor hallway, near Rm 200	031320-D-P4	Paint	Beige, semi-gloss	10
Ext between Rm 204/206	022520-D1L	Wall / Ceiling Joint	Caulk - Brown	6.91
Ext between Rm 205/207	022520-D3R	Wall / Ceiling Joint	Caulk - Brown	6.45
Ext Room 210	022520-D2L	Wall / Ceiling Joint	Caulk - Brown	5.14
Storage off RM 201	112018-42	Window panel	Hard gray caulk	5.02
Storage off RM 202	112018-44	Interior door	White caulk	2.83
Door adjacent RM 201	112018-16	Interior single door	Beige caulk	1.18
West Indoor Hallway	022520-D2M	Acoustic Ceiling Tile	Mastic	1.41
NW Stairwell	022520-D1M	Acoustic Ceiling Tile	Mastic	ND
SW Stairwell	022520-D3M	Acoustic Ceiling Tile	Mastic	ND
Storage off RM 200	112018-14	Interior single door	Beige caulk	ND
Roof				
--	022720-D-R1	3' x 6' Equipment Pad	Sealant Material - Black	ND
--	022720-D-R2	8" Pipe vent	Sealant Material - Tar	ND
--	022720-D-R3	8" Pipe vent	Sealant Material - Tar	ND
--	022720-D-R4	8" Pipe vent	Sealant Material - Tar	ND
--	022720-D-R5	Metal Flashing	Caulk - White	ND
--	022720-D-R6	Metal Flashing	Caulk - White	1.56
--	022720-D-R7	Metal Flashing	Caulk - White	3.01
--	022720-D-R8	Metal Ductwork	Sealant - Gray	2.31
--	022720-D-R9	Metal Ductwork	Sealant - Gray	ND
--	022720-D-R10	Metal Ductwork	Sealant - Gray	ND
--	022720-D-R11	3' x 6' Equipment Pad	Sealant Material - Black	2.72
--	022720-D-R12	3' x 6' Equipment Pad	Sealant Material - Black	ND

Notes:
PCB - Polychlorinated biphenyl
mg/kg - Milligram per kilogram
Gray shading indicates exceedance of TSCA Threshold for building materials manufactured with PCBs (i.e. >50 mg/kg)
ND - Not detected above laboratory reporting limit

Table 2
Adjacent Porous Substrate Delineation Sampling Results
Malibu High School
Building D

Room	Sample Number	Component ID	Sample Description	Total PCBs (ppm)
First Floor				
110	I-1-110-SPT	Plaster	Interior - 1" from door frame	0.316
	I-1-110-DUP	Plaster	Duplicate - Interior 1" from door frame, split	0.290
	I-1-110	Plaster	Interior - 1" from door frame	0.251
	X-1-110	Stucco	Exterior - 1" from door frame	ND
112	1025-1	Window panel	Interior 1" from window frame (painted brick)	**21.60**
	1025-2	Window panel	Interior 3" from window frame (painted brick)	**6.79**
	1025-5	Window panel	Exterior 3" from window frame (unpainted brick)	**2.53**
	1025-3	Window panel	Interior 6" from window frame (painted brick)	**1.77**
	1102D09	Window panel	Interior 9" from window frame (painted brick)	**1.72**
	1102D12	Window panel	Interior 12" from window frame (painted brick)	**1.36**
	1214-17	Window panel	Interior 72" from window frame (painted brick)	**1.21**
	1214-15	Window panel	Interior 36" from window frame (painted brick)	**1.19**
	1214-19	Window panel	Interior 78" from window frame (painted brick)	**1.10**
	1214-18	Window panel	Interior 75" from window frame (painted brick)	**1.05**
	1127-01/D1	Window panel	Interior 18" from window frame (painted brick)	**1.01**
	1025-4	Window panel	Exterior 1" from window frame (unpainted brick)	0.713
	1025-6	Window panel	Exterior 6" from window frame (unpainted brick)	0.515
	1226-07	Window panel	Interior 84" from window frame (painted brick)	ND
	1226-08	Window panel	Interior painted wall	ND
115	47-0131	Plaster	1"- Interior girls restroom door, southeast door, approx. 6' up	ND
	50-0131	Stucco	1"- Exterior girls restroom door, southeast door, approx. 6' up	ND
Second Floor				
Ext. Adjacent RM 208	22618-SF02-1	Brick	Exterior 1" from HVAC vent	**10.9**
	22618-SF02-3	Brick	Exterior 3" from HVAC vent	**3.1**
	22618-SF02-6	Brick	Exterior 6" from HVAC vent	ND
	22618-SF02-12	Brick	Exterior 12" from HVAC vent	ND
Ext. Adjacent RM 210	22618-SF01-1	Brick	Exterior 1" from HVAC vent	**9.92**
	22618-SF01-3	Brick	Exterior 3" from HVAC vent	**2.56**
	22618-SF01-6	Brick	Exterior 6" from HVAC vent	0.646
	22618-SF01-12	Brick	Exterior 12" from HVAC vent	ND

Notes:
PCB - Polychlorinated biphenyl
mg/kg - Milligram per kilogram
Gray shading indicates exceedance of TSCA Threshold for Adjacent Porous Substrate (i.e. >1 mg/kg)
ND - Not detected above laboratory reporting limit

APPENDIX A
CERTIFICATION

CERTIFICATION

Notification and Request for Approval, Site-Specific PCB Remediation Waste Plan for demolition of Building D at Malibu High School, Santa Monica-Malibu Unified School District, 30215 Morning View Drive, Malibu, CA

Cleanup activities are planned for Building D at Malibu High School located at 30215 Morning View Drive, Malibu, California ("Site") as described in the above PCB Remediation Waste Plan. In accordance with 40 CFR 761.61(a)(3)(i)(E) and 761.61(c), the undersigned parties hereby certify 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 Site are on file and available for USEPA inspection at the offices of SMMUSD, 1651 Sixteenth Street, Santa Monica, CA 90404.

Each person signing this document represents that he or she is authorized to do so on behalf of the party for whom such execution is made.

Santa Monica-Malibu Unified School District

Signature: Carey Upton

Name: Digitally signed by Carey Upton

Title: DN: cn=Carey Upton, o=SMMUSD, ou=Chief Operations Officer, email=cupton@smmusd.org, c=US

Date: Date: 2020.03.24 12:12:32 -07'00'

APPENDIX B
LABORATORY REPORTS

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

Date: December 7, 2016

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

Project: **SMSD-16-6522**
Lab I.D.: **161130-60 through -76**

Dear Mr. Ruvalcaba:

The **analytical results** for the solid samples, received by our laboratory on November 30, 2016, 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: **SMSD-16-6522**

DATE RECEIVED:11/30/16
DATE SAMPLED:11/29/16 DATE EXTRACTED:12/05/16
MATRIX:SOLID DATE ANALYZED:12/05&06/16
REPORT TO:MR. CESAR RUVALCABA DATE REPORTED:12/07/16

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

SAMPLE I.D.	LAB I.D.	PCB-1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260	TOTAL PCBs*	DF
X-1-S506M	161130-60	ND	ND	ND	ND	ND	3.41	ND	3.41	100
X-1-W506M	161130-61	ND	ND	ND	ND	ND	1.16	ND	1.16	10
X-1-301D	161130-62	ND	ND	ND	ND	ND	ND	ND	ND	10^
X-1-S506M-SPT	161130-65	ND	ND	ND	ND	ND	2.67	ND	2.67	50
I-1-301D	161130-66	ND	ND	ND	ND	ND	ND	0.811	0.811	20
X-1-110	161130-68	ND	ND	ND	ND	ND	ND	ND	ND	10^
I-1-110	161130-71	ND	ND	ND	ND	ND	0.251	ND	0.251	10
I-1-110-DUP	161130-72	ND	ND	ND	ND	ND	0.290	ND	0.290	10
I-1-110-SPT	161130-73	ND	ND	ND	ND	ND	0.316	ND	0.316	10
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1
	PQL	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	

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

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

Enviro-Chem, Inc.

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

EPA 8082 QA/QC Report

Matrix: **Soil/Solid/Sludge** Date Analyzed: 12/5-6/2016

Unit: mg/Kg(PPM)

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

Spiked Sample Lab I.D.: 161205-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%**	0.080	**80%**	**9%**	**0-20%**	**70-130**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	0.100	0.092	**92%**	**75-125**

Surrogate Recovery	ACP%	ACP%	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	161130-49	161130-50	161130-51	161130-52	161130-53	161130-54
Tetra-chloro-meta-xylene	50-150	108%	119%	110%	122%	131%	126%	125%
Decachlorobipneyl	50-150	67%	75%	66%	79%	80%	84%	81%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	161130-55	161130-56	161130-57	161130-58	161130-59	161130-60	161130-61	161130-62
Tetra-chloro-meta-xylene	102%	113%	109%	131%	127%	123%	112%	111%
Decachlorobipneyl	66%	84%	70%	84%	73%	71%	88%	69%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	161130-65	161130-66	16130-68	161130-71	161130-72	161130-73
Tetra-chloro-meta-xylene	122%	126%	112%	115%	119%	131%
Decachlorobipneyl	68%	77%	69%	71%	76%	82%

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

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

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

Analyzed and Reviewed By:

Final Reviewer: _____

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

LABORATORY REPORT

CUSTOMER: **Alta Environmental**
3777 Long Beach Blvd, Annex Building, Long Beach, CA 90807
Tel:(562)495-5777 Email:Cesar.Ruvalcaba@altaenviron.com
PROJECT: **SMSD-16-6522**

DATE RECEIVED:11/30/16
DATE SAMPLED:11/29/16 DATE EXTRACTED:12/05/16
MATRIX:SOLID DATE ANALYZED:12/06/16
REPORT TO:MR. CESAR RUVALCABA DATE REPORTED:12/07/16

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

SAMPLE I.D.	LAB I.D.	PCB-1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260	TOTAL PCBs*	DF
Rinse Set	161130-76	ND	ND	ND	ND	ND	ND	ND	ND	1
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1
	PQL	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	

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

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

Enviro-Chem, Inc.

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

EPA 8082 QA/QC Report

Matrix: **Soil/Solid/Sludge** Date Analyzed: 12/5-6/2016

Unit: mg/Kg(PPM)

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

Spiked Sample Lab I.D.: **161130-122 MS/MSD**

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
PCB (1016+1260)	0.000	0.100	0.094	**94%**	0.098	**98%**	**5%**	**0-20%**	**70-130**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	0.100	0.086	**86%**	**75-125**

Surrogate Recovery	ACP%	ACP%	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	161130-76	161201-5	161201-6	161201-7	161201-8	161130-118
Tetra-chloro-meta-xylene	50-150	108%	124%	72%	146%	115%	131%	112%
Decachlorobipneyl	50-150	70%	74%	63%	132%	92%	73%	62%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	161130-119	161130-120	161130-121	161130-122				
Tetra-chloro-meta-xylene	98%	138%	114%	109%				
Decachlorobipneyl	59%	87%	64%	67%				

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

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

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

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

Analyzed and Reviewed By: _____

Final Reviewer: _____

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

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

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	EPA method 8082 (PCBs)									Misc./PO#
								Analysis Required									COMMENTS
X-1-S506M	161130-60	11/29/16	1820		1	4°C	ice	X									
I-1-WS06M	-61		1826														
X-1-301D	-62		1850														
X-3-301D	-63		1852														archive
X-6-301D	-64		1853														archive
X-1-S506M-SPT	-65		1870														
I-1-301D	-66		1857														
I-3-301D	-67		1859														archive
X-1-110	-68		1920														
X-3-110	-69		1922														archive
X-6-110	-70		1924														archive
I-1-110	-71		1928														
I-1-110-DUP	-72		1929														
I-1-110-SPT	-73		1930														
I-3-110	-74		1930 TR														archive

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

Project Contact: Cesar Ruvalcaba
Tel: 562-495-5777
Fax/Email: Cesar.Ruvalcaba@altaenviron.com

Sampler's Signature: F. Ruvalcaba / T. Rizami

Project Name/ID: SMSD-16-6522

Relinquished by: F. Ruvalcaba	Received by: T. Rizami	Date & Time: 11/30/16 2300	Instructions for Sample Storage After Analysis:
Relinquished by: T. Rizami	Received by: CURTIS DESILVA	Date & Time: 12/1/16 750	O Dispose of O Return to Client O Store (30 Days)
Relinquished by: CURTIS DESILVA	Received by:	Date & Time: 11/30/16 1145	O Other:

CHAIN OF CUSTODY RECORD

Date: 11-29-16

WHITE WITH SAMPLE • YELLOW TO CLIENT

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

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

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	EDA method 8321 (RCRA)	Misc./PO#	COMMENTS
					Analysis Required					
I-6-110	161130-75	11/29	1934		1	4°C	ice	x		archive
rinse set	1-76	1	1940		1	4°C	ice	x		

Company Name: Alta Environmental
Address: 3777 Long Beach Blvd, Annex Bldg
City/State/Zip: Long Beach, Ca. 90807
Project Contact: Cesar Ruvalcaba
Tel:
Fax/Email: cesar.ruvalcaba@altaenviron.com
Sampler's Signature: F. Ruvalcaba / T. Rizzani
Project Name/ID: SMSD-16-6522

Relinquished by: F. Ruvalcaba 2300
Relinquished by: T. Rizzani
Relinquished by: Curtis Desilets
Received by: Therese Rizzani
Received by: Curtis Desilets
Received by:
Date & Time: 11/29/16 2300
Date & Time: 11/30/16 950
Date & Time: 11/30/16 1141

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

CHAIN OF CUSTODY RECORD

Date: 11-29-16

WHITE WITH SAMPLE • YELLOW TO CLIENT

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

Date: February 8, 2017

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

Project: **Malibu FIG+D, Additional Step-Out Sampling**
Lab I.D.: **170201-27 through -75**

Dear Mr. Ruvalcaba:

The **analytical results** for the solid samples, received by our laboratory on February 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 FIG+D, Additional Step-Out Sampling**

DATE SAMPLED:01/31/17
MATRIX:SOLID
REPORT TO:MR. CESAR RUVALCABA

DATE RECEIVED:02/01/17
DATE EXTRACTED:02/06/17
DATE ANALYZED:02/06/17
DATE REPORTED:02/08/17

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

SAMPLE I.D.	LAB I.D.	PCB-1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260	TOTAL PCBs*	DF
01-0131	170201-27	ND	ND	ND	ND	ND	3.02	ND	3.02	1
02-0131	170201-28	ND	ND	ND	ND	ND	ND	ND	ND	1
03-0131	170201-29	ND	ND	ND	ND	ND	ND	ND	ND	1
04-0131	170201-30	ND	ND	ND	ND	ND	ND	ND	ND	1
05-0131	170201-31	ND	ND	ND	ND	ND	ND	ND	ND	1
06-0131	170201-32	ND	ND	ND	ND	ND	ND	ND	ND	1
07-0131	170201-33	ND	ND	ND	ND	ND	ND	ND	ND	1
08-0131	170201-34	ND	ND	ND	ND	ND	ND	ND	ND	1
09-0131	170201-35	ND	ND	ND	ND	ND	ND	ND	ND	1
10-0131	170201-36	ND	ND	ND	ND	ND	2.74	ND	2.74	1
11A-0131	170201-37	ND	ND	ND	ND	ND	3.09	ND	3.09	1
12-0131	170201-38	ND	ND	ND	ND	ND	1.64	ND	1.64	1
13-0131	170201-39	ND	ND	ND	ND	ND	ND	ND	ND	1
14-0131	170201-40	ND	ND	ND	ND	ND	ND	ND	ND	1
15-0131	170201-41	ND	ND	ND	ND	ND	ND	ND	ND	1
18-0131	170201-44	ND	ND	ND	ND	ND	ND	ND	ND	1
21-0131	170201-47	ND	ND	ND	ND	ND	ND	ND	ND	1
25-0131	170201-50	ND	ND	ND	ND	ND	ND	ND	ND	1
28-0131	170201-53	ND	ND	ND	ND	ND	ND	ND	ND	1
31-0131	170201-56	ND	ND	ND	ND	ND	ND	ND	ND	1
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1
	PQL	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	

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

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

Enviro-Chem, Inc.

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

EPA 8082 QA/QC Report

Matrix: **Soil/Solid/Sludge** Date Analyzed: 2/6/2017

Unit: mg/Kg(PPM)

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

Spiked Sample Lab I.D.: 170206-LCS1/2

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
PCB (1016+1260)	0.000	0.100	0.095	**95%**	0.099	**99%**	**4%**	**0-20%**	**70-130**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	0.100	0.107	**107%**	**75-125**

Surrogate Recovery	ACP%	ACP%	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	170201-27	170201-28	170201-29	170201-30	170201-31	170201-32
Tetra-chloro-meta-xylene	50-150	125%	123%	122%	128%	116%	126%	131%
Decachlorobipneyl	50-150	97%	90%	88%	86%	76%	92%	86%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	170201-33	170201-34	170201-35	170201-36	170201-37	170201-38	170201-39	170201-40
Tetra-chloro-meta-xylene	140%	126%	130%	125%	127%	114%	124%	124%
Decachlorobipneyl	112%	105%	103%	93%	87%	84%	82%	83%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	170201-41	170201-44	170201-47	170201-50	170201-53	170201-56
Tetra-chloro-meta-xylene	128%	130%	120%	115%	115%	123%
Decachlorobipneyl	82%	81%	78%	73%	74%	77%

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

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

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

Analyzed and Reviewed By: _____

Final Reviewer: _____

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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 FIG+D, Additional Step-Out Sampling**

DATE SAMPLED:01/31/17 DATE RECEIVED:02/01/17
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DATE REPORTED:02/08/17

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

SAMPLE I.D.	LAB I.D.	PCB-1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260	TOTAL PCBs*	DF
34-0131	170201-59	ND	ND	ND	ND	ND	ND	ND	ND	1
37-0131	170201-61	ND	ND	ND	ND	ND	ND	ND	ND	1
40-0131	170201-64	ND	ND	ND	ND	ND	ND	ND	ND	1
44-0131	170201-67	ND	ND	ND	ND	ND	ND	ND	ND	1
47-0131	170201-70	ND	ND	ND	ND	ND	ND	ND	ND	1
50-0131	170201-73	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)

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CAL-DHS ELAP CERTIFICATE No.: 1555

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EPA 8082 QA/QC Report

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Unit: mg/Kg(PPM)

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Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
PCB (1016+1260)	0.000	0.100	0.090	**90%**	0.088	**88%**	**1%**	**0-20%**	**70-130**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	0.100	0.113	**113%**	**75-125**

Surrogate Recovery	ACP%	ACP%	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	170201-59	170201-61	170201-64	170201-67	170201-70	170201-73
Tetra-chloro-meta-xylene	50-150	130%	127%	120%	115%	124%	123%	127%
Decachlorobipneyl	50-150	87%	82%	79%	75%	76%	78%	79%

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

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

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

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

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

Analyzed and Reviewed By:

Final Reviewer:

Gmail

Jessica Huang <jh04envirocheminc@gmail.com>

Fwd: FW: request to revise reports lab # 170201, and 170131-FORGOT TO ADD THE ATTACHMENTS

Jessica Lin <envirocheminc@gmail.com> Tue, Mar 7, 2017 at 8:33 AM
To: Jessica Huang <jh04envirocheminc@gmail.com>

---------- Forwarded message ----------
From: **Curtis B. Desilets** <curt.envirocheminc@gmail.com>
Date: Mon, Mar 6, 2017 at 4:47 PM
Subject: Fwd: FW: request to revise reports lab # 170201, and 170131-FORGOT TO ADD THE ATTACHMENTS
To: Jessica Lin <envirocheminc@gmail.com>

---------- Forwarded message ----------
From: **Cesar Ruvalcaba** <Cesar.Ruvalcaba@altaenviron.com>
Date: Mon, Mar 6, 2017 at 4:42 PM
Subject: FW: request to revise reports lab # 170201, and 170131-FORGOT TO ADD THE ATTACHMENTS
To: "Curtis B. Desilets" <curt.envirocheminc@gmail.com>

Please revise the reports to correctly reflect the project. It should be "Malibu FIG+D, Additional Step-out Sampling" and P.O. # Should be " SMSD-16-6522". Our inspector noted the incorrect job, he noted Webster ES... and SMSD-16-6424.1.

Thanks.

Cesar Ruvalcaba

PROJECT MANAGER

ALTA ENVIRONMENTAL

Expertise to Reduce Your Environmental and Safety Risks

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

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

Cesar.Ruvalcba@altaenviron.com | www.altaenviron.com

2017 Compliance Calendar **download here.**

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

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

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

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

Misc./PO# SMSD-16-6522

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required: EPA Method 8082 PCB	COMMENTS
1-0131	17020-27	01/31/17	1627	Bulk	4 oz Jar	Ice		X	
2-0131	-28		1630					X	
3-0131	-29		1633					X	
4-0131	-30		1636					X	
5-0131	-31		1639					X	
6-0131	-32		1642					X	
7-0131	-33		1659					X	
8-0131	-34		1701					X	
9-0131	-35		1703					X	
10-0131	-36		1710					X	
11A-0131	-37		1713					X	
12-0131	-38		1715					X	
13-0131	-39		1722					X	
14-0131	-40		1725					X	
15-0131	-41		1740					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: 8/6/17
Project Name/ID: ~~Webster ES, Additional Step-out~~ Mg Liba F16HD, Additional Step out Sampling

Relinquished by:	2-1-17 1430	Received by:	2/1/17 1427
Relinquished by:		Received by:	Date & Time:
Relinquished by:		Received by:	Date & Time:

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

Date: 01/31/17

CHAIN OF CUSTODY RECORD

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

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

Misc./PO# @ 2/6/17
~~SMSD-16-6424.1~~
SMSD-16-6522

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No OF CONTAINERS	TEMPERATURE	PRESERVATION	EPA Method 8082 PCB	COMMENTS
16 -0131	17020-42	01/31/17	1742	Bulk			Ice	X	archive
17 -0131	-43		1744					X	archive
18 -0131	-44		1747					X	
19 -0131	-45		1749					X	archive
20 -0131	-46		1752					X	archive
21 -0131	-47		1800					X	
23 -0131	-48		1803					X	archive
24 -0131	-49		1805					X	archive
25 -0131	-50		1806					X	
26 -0131	-51		1809					X	archive
27 -0131	-52		1811					X	archive
28 -0131	-53		1818					X	
29 -0131	-54		1820					X	archive
30 -0131	-55		1822					X	archive
31 -0131	-56		1825					X	

Analysis Required

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: @ 2/6/17
Project Name/ID: ~~Webster ES, Additional Step-out~~ Malby F16 AD, Additional Step-out samples

Relinquished by: 2-1-17 1470
Relinquished by:
Relinquished by:
Received by:
Received by:
Received by:
Date & Time 2/1/17 1421
Date & Time
Date & Time

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

Date: 01/31/17

CHAIN OF CUSTODY RECORD

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

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

Misc./PO#
~~SMSD-16-6424-I~~
SMSD-16.6522

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required: EPA Method 8082 PCB	COMMENTS
32-0131	17020-57	01/31/17	1827	Bulk			Ice		
33-0131	-58		1830						archive
34-0131	-59		1910						archive
35-0131	-60		1912						
37-0131	-61		1914						archive
38-0131	-62		1916						
39-0131	-63		1918						archive
40-0131	-64		1920						archive
42-0131	-65		1923						
43-0131	-66		1926						archive
44-0131	-67		1929						archive
45-0131	-68		1932						
46-0131	-69		1935						archive
47-0131	-70		2015						archive
48-0131	-71		2017						archive

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:

Project Name/ID: ~~Webster ES, Additional Step-out~~ 3/6/17 MaLbu HS+D, Additional Step out Sampling

Relinquished by: [signature]	2-1-17 1420	Received by: [signature]	Date & Time: 2/1/17 1420	Instructions for Sample Storage After Analysis:
Relinquished by:		Received by:	Date & Time:	O Dispose of O Return to Client ☒ Store (30 Days)
Relinquished by:		Received by:	Date & Time:	O Other:

Date: 01/31/17

CHAIN OF CUSTODY RECORD

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

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

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	EPA Method 8082 PCB	Misc./PO# SMSD-16-6522	COMMENTS
49 -0131	7020 -72	01/31/17	2020	Bulk			Ice	X		archive
80 -0131	-73		2023					X		
81 -0131	-74		2025					X		archive
82-0131	-75		2028					X		archive

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: @ 2/6/17
Project Name/ID: ~~Webster GS. Additional Step-out~~ Malibu FG FD, Additional Step-out samples

Relinquished by:	2-1-17 1430	Received by:	Date & Time 2/1/17 1427
Relinquished by:		Received by:	Date & Time
Relinquished by:		Received by:	Date & Time

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

Date: 01/31/17

CHAIN OF CUSTODY RECORD

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

Date: October 11, 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. D**
Lab I.D.: **171004-17 through -34**

Dear Mr. Ruvalcaba:

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

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. D**

DATE SAMPLED:10/03/17
MATRIX:SOLID
REPORT TO:MR. CESAR RUVALCABA

DATE RECEIVED:10/04/17
DATE EXTRACTED:10/04-05/17
DATE ANALYZED:10/05-11/17
DATE REPORTED:10/11/17

PCBs ANALYSIS; PAGE 1 OF 1
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
01	171004-17	ND	ND	ND	ND	ND	3.75	ND	3.75	1
02	171004-18	ND	ND	ND	ND	ND	2.34	ND	2.34	1
03	171004-19	ND	ND	ND	ND	ND	3.71	ND	3.71	2
04	171004-20	ND	ND	ND	ND	ND	ND	ND	ND	1
05	171004-21	ND	ND	ND	ND	ND	6.98	ND	6.98	1
06	171004-22	ND	ND	ND	ND	ND	2.78	ND	2.78	1
07	171004-23	ND	ND	ND	ND	ND	ND	ND	ND	1
08	171004-24	ND	ND	ND	ND	ND	ND	ND	ND	1
09	171004-25	ND	ND	ND	ND	ND	ND	ND	ND	1
10	171004-26	ND	ND	ND	ND	ND	4.74	ND	4.74	2
11	171004-27	ND	ND	ND	ND	ND	2.53	ND	2.53	1
12	171004-28	ND	ND	ND	ND	ND	1.50	ND	1.50	1
13	171004-29	ND	ND	ND	ND	ND	0.932	ND	0.932	1
14	171004-30	ND	ND	ND	ND	ND	1.10	ND	1.10	1
15	171004-31	ND	ND	ND	ND	ND	2.93	ND	2.93	1
16	171004-32	ND	ND	ND	ND	ND	ND	ND	ND	1
17	171004-33	ND	ND	ND	ND	ND	2170	ND	2170	400
18	171004-34	ND	ND	ND	ND	ND	2160	ND	2160	400
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1
	PQL	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	

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

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

Enviro-Chem, Inc.

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

EPA 8082 QA/QC Report

Matrix: **Soil/Solid/Sludge** Date Analyzed: 10/5-6/2017

Unit: mg/Kg(PPM)

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

Spiked Sample Lab I.D.: 171005-LCS1/2

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
PCB (1016+1260)	0.000	0.100	0.081	**81%**	0.072	**72%**	**11%**	**0-20%**	**70-130**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	0.100	0.110	**110%**	**75-125**

Surrogate Recovery	ACP%	ACP%	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	171004-17	171004-18	171004-19	171004-23	171004-24	171004-25
Tetra-chloro-meta-xylene	50-150	83%	141%	113%	136%	84%	119%	116%
Decachlorobipneyl	50-150	83%	137%	113%	95%	84%	123%	107%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	171004-26	171004-27	171004-33	171004-34				
Tetra-chloro-meta-xylene	124%	138%	134%	149%				
Decachlorobipneyl	63%	66%	70%	79%				

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

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

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

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

Analyzed and Reviewed By: _____

Final Reviewer: _____

Enviro-Chem, Inc.

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

EPA 8082 QA/QC Report

Matrix: **Soil/Solid/Sludge** Date Analyzed: 10/11/2017

Unit: mg/Kg(PPM)

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

Spiked Sample Lab I.D.: **171011-LCS1/2**

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
PCB (1016+1260)	0.000	0.100	0.077	**77%**	0.073	**73%**	**5%**	**0-20%**	**70-130**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	0.100	0.100	**100%**	**75-125**

Surrogate Recovery	ACP%	ACP%	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	171004-20	171004-21	171004-22	171004-28	171004-29	171004-30
Tetra-chloro-meta-xylene	50-150	83%	94%	56%	79%	81%	66%	94%
Decachlorobipneyl	50-150	83%	122%	124%	147%	138%	132%	136%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	171004-31	171004-32						
Tetra-chloro-meta-xylene	9860%	56%						
Decachlorobipneyl	136%	150%						

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

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

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

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

Analyzed and Reviewed By: _____

Final Reviewer: _____

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

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

Misc./PO# SMSO-17-723

special extraction

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required: EPA Method 8082 PCBs	COMMENTS
01	171004-17	10-3-17	1600	Bulk	1		ICE	X	Door Caulking
02	-18		1609		1			X	⊥
03	-19		1615		1			X	⊥
04	-20		1625		1			X	Door Caulking
05	-21		1700		1			X	⊥
06	-22		1705		1			X	⊥
07	-23		1711		1			X	window Glazing
08	-24		1745		1			X	⊥
09	-25		1840		1			X	⊥
10	-26		1848		1			X	Door Caulking
11	-27		1900		1			X	⊥
12	-28		1921		1			X	⊥
13	-29		1943		1			X	window Glazing
14	-30		2010		1			X	⊥ (Split Sample)
15	-31		2030		1			X	window Caulking

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

Project Contact: Lisa Ruvalcaba
Tel:
Fax:

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

Relinquished by:	Received by:	Date & Time: 10/4/17 1:30 PM
Relinquished by:	Received by:	Date & Time:
Relinquished by:	Received by:	Date & Time:

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

CHAIN OF CUSTODY RECORD

Date: 10-4-17

WHITE WITH SAMPLE • YELLOW TO CLIENT

Page _____ of _____

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

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

Misc./PO# SMSD-17-7239

Special Extraction

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	EPA Method 8082 PCBs	Analysis Required	COMMENTS
16	171004-32	10-3-17	2038	Bulk	1 4oz		ICE	X		window Glazing
17	-33		2100		1			X		window caulking
18	-34		2102		1			X		Duplicate

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

Project Contact: Cesar Gualoche
Tel:
Fax:

Sampler's Signature:
Project Name/ID: Malibu H.S.

Relinquished by:	Received by:	Date & Time: 10/4/17 1:30 PM
Relinquished by:	Received by:	Date & Time:
Relinquished by:	Received by:	Date & Time:

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

CHAIN OF CUSTODY RECORD

Date: 10-4-17

WHITE WITH SAMPLE • YELLOW TO CLIENT

Page ____ of ____

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

Date: October 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 - Bldg. D**
Lab I.D.: **171013-36 through -56**

Dear Mr. Ruvalcaba:

The **analytical results** for the solid samples, received by our laboratory on October 13, 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 - Bldg D**

DATE SAMPLED:10/12/17
MATRIX:SOLID
REPORT TO:MR. CESAR RUVALCABA

DATE RECEIVED:10/13/17
DATE EXTRACTED:10/16-17/17
DATE ANALYZED:10/18-19/17
DATE REPORTED:10/20/17

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

SAMPLE I.D.	LAB I.D.	PCB-1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260	TOTAL PCBs*	DF
01	171013-36	ND	ND	ND	ND	ND	199 ***	ND	199 ***	50
02	171013-37	ND	ND	ND	ND	ND	86.1 ***	ND	86.1 ***	5
03	171013-38	ND	ND	ND	ND	ND	106 **	ND	106 ***	20
04	171013-39	ND	ND	ND	ND	ND	5.88	ND	5.88	10
05	171013-40	ND	ND	ND	ND	ND	11.6	ND	11.6	10
06	171013-41	ND	ND	ND	ND	ND	8.18	ND	8.18	10
07	171013-42	ND	ND	ND	ND	ND	3.27	ND	3.27	1
08	171013-43	ND	ND	ND	ND	ND	64.4 ***	ND	64.4 ***	10
09	171013-44	ND	ND	ND	ND	ND	5.50	ND	5.50	1
10	171013-45	ND	ND	ND	ND	ND	47.6	ND	47.6	10
11	171013-46	ND	ND	ND	ND	ND	2.25	ND	2.25	1
12	171013-47	ND	ND	ND	ND	ND	1.51	ND	1.51	1
13	171013-48	ND	ND	ND	ND	ND	3.00	ND	3.00	1
14	171013-49	ND	ND	ND	ND	ND	2.71	ND	2.71	1
15	171013-50	ND	ND	ND	ND	ND	2.34	ND	2.34	1
16	171013-51	ND	ND	ND	ND	ND	2.17	ND	2.17	2
17	171013-52	ND	ND	ND	ND	ND	59.7 ***	ND	59.7 ***	10
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1
PQL		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	

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

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

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

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 D**

DATE SAMPLED:10/12/17
MATRIX:SOLID
REPORT TO:MR. CESAR RUVALCABA

DATE RECEIVED:10/13/17
DATE EXTRACTED:10/16-17/17
DATE ANALYZED:10/19/17
DATE REPORTED:10/20/17

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

SAMPLE I.D.	LAB I.D.	PCB-1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260	TOTAL PCBs*	DF
18	171013-53	ND	ND	ND	ND	ND	117 ***	ND	117 ***	20
19	171013-54	ND	ND	ND	ND	ND	20.2	ND	20.2	4
20	171013-55	ND	ND	ND	ND	ND	78.2 ***	ND	78.2 ***	10
21	171013-56	ND	ND	ND	ND	ND	96.3 ***	ND	96.3 ***	20
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1
PQL		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	

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

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

Enviro-Chem, Inc.

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

EPA 8082 QA/QC Report

Matrix: **Soil/Solid/Sludge** Date Analyzed: 10/18-19/2017

Unit: mg/Kg(PPM)

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

Spiked Sample Lab I.D.: 171018-LCS1/2

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
PCB (1016+1260)	0.000	0.100	0.080	**80%**	0.075	**75%**	**7%**	**0-20%**	**70-130**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	0.100	0.086	**86%**	**75-125**

Surrogate Recovery	ACP%	ACP%	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	171013-86	171013-87	171013-94	171013-36	171013-37	171013-38
Tetra-chloro-meta-xylene	50-150	111%	125%	148%	98%	136%	133%	112%
Decachlorobipneyl	50-150	89%	107%	79%	71%	87%	89%	75%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	171013-39	171013-40	171013-41	171013-42	171013-43	171013-44	171013-45	171013-46
Tetra-chloro-meta-xylene	115%	114%	140%	127%	148%	139%	126%	124%
Decachlorobipneyl	69%	76%	120%	68%	92%	92%	94%	83%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	171013-47	171013-48	171013-49	171013-50	171013-51	171013-52
Tetra-chloro-meta-xylene	125%	128%	120%	116%	136%	104%
Decachlorobipneyl	108%	108%	91%	92%	95%	89%

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

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

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

Analyzed and Reviewed By:

Final Reviewer: _____

Enviro-Chem, Inc.

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

EPA 8082 QA/QC Report

Matrix: **Soil/Solid/Sludge** Date Analyzed: 10/19/2017

Unit: mg/Kg(PPM)

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

Spiked Sample Lab I.D.: 171018-LCS1/2

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
PCB (1016+1260)	0.000	0.100	0.087	**87%**	0.077	**77%**	**12%**	**0-20%**	**70-130**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	0.100	0.077	**77%**	**75-125**

Surrogate Recovery	ACP%	ACP%	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	171013-53	171013-54	171013-55	171013-56		
Tetra-chloro-meta-xylene	50-150	111%	132%	100%	127%	123%		
Decachlorobipneyl	50-150	97%	77%	121%	71%	75%		

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

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

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

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

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

Analyzed and Reviewed By: _____

Final Reviewer: _____

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

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

Misc./PO# SMSD-17-7239

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	EPA method 8082 PCBs	Analysis Required	COMMENTS
01	171013-36	10-12-17	1600	Bulk	1	4°C	ICE	X		
02	-37		1610		1					
03	-38		1615		1					
04	-39		1620		1					
05	-40		1622		1					
06	-41		1625		1					
07	-42		1630		1					
08	-43		1638		1					
09	-44		1640		1					
10	-45		1645		1					Split Set
11	-46		1720		1					
12	-47		1728		1					
13	-48		1730		1					
14	-49		1820		1					
15	-50		1828		1			X		

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

Relinquished by:	Received by:	Date & Time: 10/13/2017 10:15 AM
Relinquished by:	Received by:	Date & Time:
Relinquished by:	Received by:	Date & Time:

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

CHAIN OF CUSTODY RECORD

Date: 10-13-17

WHITE WITH SAMPLE • YELLOW TO CLIENT

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

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

Misc./PO# SMSD-17-T234

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	EPA 8082 PCBs	COMMENTS
16	171013-51	10/12/17	1835	Bulk	1		ICE	X	
17	-52		1900		1			X	
18	-53		1905		1			X	
19	-54		1915		1			X	
20	-55		1915		1			X	Duplicate
21	-56		1645		1			X	

Analysis Required

Company Name: AHa Environmental	Project Contact: C. Rivalcaba	Sampler's Signature:
Address: 3777 Long Beach	Tel:	Project Name/ID: Malibu - Bldg D
City/State/Zip: Long Beach Ca	Fax:	

Relinquished by:	Received by:	Date & Time: 10/13/2017 10:15 AM	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	Date & Time:	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	O Other:

CHAIN OF CUSTODY RECORD

Date: 10-13-17

WHITE WITH SAMPLE • YELLOW TO CLIENT

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

Date: October 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: **SMSD-17-7239 / Malibu High Bldg. D**
Lab I.D.: **171026-7 through -15**

Dear Mr. Ruvalcaba:

The **analytical results** for the solid samples, received by our laboratory on October 26, 2017, are attached. The samples were received intact, and accompanying chain of custody.

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

Sincerely,

Curtis Desilets
Vice President/Program Manager

for

Andy Wang
Laboratory Manager

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

LABORATORY REPORT

CUSTOMER: **Alta Environmental**
3777 Long Beach Blvd, Annex Building, Long Beach, CA 90807
Tel:(562)495-5777 Email:Cesar.Ruvalcaba@altaenviron.com
PROJECT: **SMSD-17-7239 / Malibu High Bldg. D**

DATE SAMPLED:10/25/17
MATRIX:SOLID
REPORT TO:MR. CESAR RUVALCABA

DATE RECEIVED:10/26/17
DATE EXTRACTED:10/26-27/17
DATE ANALYZED:10/27/17
DATE REPORTED:10/30/17

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
1025-1	171026-7	ND	ND	ND	ND	ND	21.6	ND	21.6	1
1025-2	171026-8	ND	ND	ND	ND	ND	6.79	ND	6.79	1
1025-3	171026-9	ND	ND	ND	ND	ND	1.77	ND	1.77	1
1025-4	171026-10	ND	ND	ND	ND	ND	0.713	ND	0.713	1
1025-5	171026-11	ND	ND	ND	ND	ND	2.53	ND	2.53	1
1025-6	171026-12	ND	ND	ND	ND	ND	0.515	ND	0.515	1
1025-7	171026-13	ND	ND	ND	ND	ND	5390	ND	5390	800
1025-8	171026-14	ND	ND	ND	ND	ND	188	ND	188	40
1025-9	171026-15	ND	ND	ND	ND	ND	488	ND	488	40
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1
PQL		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	

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

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

Enviro-Chem, Inc.

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

EPA 8082 QA/QC Report

Matrix: **Soil/Solid/Sludge** Date Analyzed: 10/27/2017

Unit: mg/Kg(PPM)

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

Spiked Sample Lab I.D.: 171027-LCS1/2

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
PCB (1016+1260)	0.000	0.100	0.082	**82%**	0.078	**78%**	**5%**	**0-20%**	**70-130**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	0.100	0.091	**91%**	**75-125**

Surrogate Recovery	ACP%	ACP%	171026-13	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	171026-13	171026-14	171026-15	171026-7	171026-8	171026-9
Tetra-chloro-meta-xylene	50-150	112%	134%	114%	113%	114%	117%	120%
Decachlorobipneyl	50-150	85%	95%	105%	79%	87%	94%	96%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	171026-10	171026-11	171026-12					
Tetra-chloro-meta-xylene	114%	123%	120%					
Decachlorobipneyl	87%	101%	124%					

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

S.R. = Sample Result

spk conc = Spike Concentration

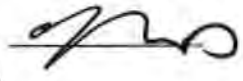
%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

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

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

Analyzed and Reviewed By: 

Final Reviewer: 

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

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

Misc./PO# SMSD-17-7239

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	EPA-Method 8082 PCBs	COMMENTS
1025-1	171026-7	10-25-17	1600	Bulk	1		Ice	X	1" Brick
2	-8		1615		1			X	3"
3	-9		1620		1			X	6"
4	-10		1628		1			X	~~1~~ 1"
5	-11		1642		1			X	3"
6	-12		1650		1			X	6"
7	-13	10-26-17	1710		1			X	Floor tile Black Mastic
8	-14		1750		1			X	Floor tile Yellow Adhesive
9	-15		1800		1			X	
						40C			

Analysis Required

Company Name: Alta Environmental
Address: 7777 Long Beach Blvd
City/State/Zip: Long Beach

Project Contact: Cesar Ramalcaba
Tel:
Fax:

Sampler's Signature:
Project Name/ID: SMSD-17-7239 Malibu High Bldg D

Relinquished by:	Received by:	Date & Time: 10/26/2017 930 AM
Relinquished by:	Received by:	Date & Time:
Relinquished by:	Received by:	Date & Time:

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

CHAIN OF CUSTODY RECORD

Date: 1025-17

WHITE WITH SAMPLE • YELLOW TO CLIENT

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

Date: November 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 D-Step Out**
Lab I.D.: **171103-5, -6**

Dear Mr. Ruvalcaba:

The **analytical results** for the solid samples, received by our laboratory on November 3, 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 D-Step Out**

DATE SAMPLED: 11/02/17
MATRIX: SOLID
REPORT TO: MR. CESAR RUVALCABA

DATE RECEIVED: 11/03/17
DATE EXTRACTED: 11/03&06/17
DATE ANALYZED: 11/06/17
DATE REPORTED: 11/06/17

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

SAMPLE I.D.	LAB I.D.	PCB-1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260	TOTAL PCBs*	DF
1102 D9	171103-5	ND	ND	ND	ND	ND	1.72	ND	1.72	1
1102 D12	171103-6	ND	ND	ND	ND	ND	1.36	ND	1.36	1
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1
	PQL	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	

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

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

Enviro-Chem, Inc.

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

EPA 8082 QA/QC Report

Matrix: **Soil/Solid/Sludge** Date Analyzed: 11/6/2017

Unit: mg/Kg(PPM)

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

Spiked Sample Lab I.D.: 171106-LCS1/2

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
PCB (1016+1260)	0.000	0.100	0.085	**85%**	0.090	**90%**	**5%**	**0-20%**	**70-130**

Lab Control Spike (LCS) Recovery:

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

Surrogate Recovery	ACP%	ACP%	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	171103-5	171103-6				
Tetra-chloro-meta-xylene	50-150	119%	133%	133%				
Decachlorobipneyl	50-150	85%	140%	100%				

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

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

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

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

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

Analyzed and Reviewed By:

Final Reviewer:

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

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

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	EPA 3540C/ 8082	Misc./PO#	COMMENTS
1102D9	171103-5	11/02/17	1850	~~Solid~~ Wipe	1		Ice	X	(Painted brick)	Interior 9"
1102D12	-6	11/02/17	1855	~~Wipe~~ Solid	1		↓	X	(Painted Brick)	Interior 12"

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:
Project Name/ID: Malibu D-Step-Out

Relinquished by:	11/3/17 8:30 a.m.	Received by:	11/3/17 0842
Relinquished by:		Received by:	
Relinquished by:		Received by:	

Date & Time:
Date & Time:
Date & Time:

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

CHAIN OF CUSTODY RECORD

Date: 11/2/17

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

Date: December 6, 2017

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

Project: **Malibu H.S. - Bldg. D**
Lab I.D.: **171129-29, -30**

Dear Mr. Ruvalcaba:

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

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. D**

DATE SAMPLED: 11/27/17
MATRIX: SOLID
REPORT TO: MR. CESAR RUVALCABA

DATE RECEIVED: 11/29/17
DATE EXTRACTED: 11/29-30/17
DATE ANALYZED: 11/30/17
DATE REPORTED: 12/06/17

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

SAMPLE I.D.	LAB I.D.	PCB-1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260	TOTAL PCBs*	DF
1127-D1	171129-29	ND	ND	ND	ND	ND	1.01	ND	1.01	1
1127-D2	171129-30	ND	ND	ND	ND	ND	3.77	ND	3.77	1
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1
	PQL	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	

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

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

Enviro-Chem, Inc.

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

EPA 8082 QA/QC Report

Matrix: **Soil/Solid/Sludge** Date Analyzed: 11/30/2017

Unit: mg/Kg(PPM)

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

Spiked Sample Lab I.D.: 171130-LCS1/2

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
PCB (1016+1260)	0.000	0.100	0.085	**85%**	0.089	**89%**	**5%**	**0-20%**	**70-130**

Lab Control Spike (LCS) Recovery:

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

Surrogate Recovery	ACP%	ACP%	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	171117-70	171117-71	171129-29	171129-30	171129-31	171129-32
Tetra-chloro-meta-xylene	50-150	123%	127%	122%	120%	138%	71%	116%
Decachlorobipneyl	50-150	96%	99%	110%	87%	104%	87%	82%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	171129-33	171129-34	171129-35	171129-36				
Tetra-chloro-meta-xylene	114%	120%	106%	143%				
Decachlorobipneyl	95%	79%	96%	93%				

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

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

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

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

Analyzed and Reviewed By: _____

Final Reviewer: _____

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

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

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required: EPA - Method 8082 - PCBs	COMMENTS
11-27-01	171129-29	11-27-17	2000	Bulk	1			x	
" 02	-30	"	2010	"	1			x	SPECIAL EXTRACTION
					407				

Misc./PO#: Malibu H.S. - Bldg D

Company Name: Alten Environmental	**Project Contact:** Cesar Ruvalcaba	**Sampler's Signature:**	
Address: 3777 Long Beach Blvd	**Tel:**	**Project Name/ID:** Malibu H.S. - Bldg D	
City/State/Zip: Long Beach Ca	**Fax:**		
Relinquished by:	Received by:	Date & Time: 11/28/17 1315	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	Date & Time:	O Dispose of O Return to Client X Store (30 Days)
Relinquished by:	Received by:	Date & Time:	O Other:

CHAIN OF CUSTODY RECORD

Date: 11-29-17

WHITE WITH SAMPLE • YELLOW TO CLIENT

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

Date: December 18, 2017

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

Project: **Malibu - Bldg. D**
Lab I.D.: **171215-38 through -42**

Dear Mr. Ruvalcaba:

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

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

Sincerely,

Curtis Desilets
Vice President/Program Manager

Andy Wang
Laboratory Manager

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

LABORATORY REPORT

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

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

DATE RECEIVED: 12/15/17
DATE EXTRACTED: 12/15/17
DATE ANALYZED: 12/15-16/17
DATE REPORTED: 12/18/17

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

SAMPLE I.D.	LAB I.D.	PCB-1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260	TOTAL PCBs*	DF
1214-15	171215-38	ND	ND	ND	ND	ND	1.19	ND	1.19	1
1214-17	171215-39	ND	ND	ND	ND	ND	1.21	ND	1.21	1
1214-18	171215-40	ND	ND	ND	ND	ND	1.05	ND	1.05	1
1214-19	171215-41	ND	ND	ND	ND	ND	1.10	ND	1.10	1
1214-16	171215-42	ND	ND	ND	ND	ND	1.33	ND	1.33	1
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1
	PQL	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	

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

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

Enviro-Chem, Inc.

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

EPA 8082 QA/QC Report

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

Unit: mg/Kg(PPM)

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

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

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

Lab Control Spike (LCS) Recovery:

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

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

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

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

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

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

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

Analyzed and Reviewed By: _____

Final Reviewer: _____

Enviro-Chem, Inc.

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

EPA 8082 QA/QC Report

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

Unit: mg/Kg(PPM)

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

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

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
PCB (1016+1260)	0.000	0.100	0.091	**91%**	0.092	**92%**	**1%**	**0-20%**	**70-130**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	0.100	0.091	**91%**	**75-125**

Surrogate Recovery	ACP%	ACP%	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	171215-42	171214-20	171214-21	171214-22	171214-23	171214-24
Tetra-chloro-meta-xylene	50-150	112%	111%	100%	115%	111%	107%	102%
Decachlorobipneyl	50-150	89%	85%	80%	84%	81%	77%	136%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	171214-25	171214-26	171214-27	171214-28	171214-29	171214-30	171214-31	171214-32
Tetra-chloro-meta-xylene	108%	113%	113%	110%	113%	112%	112%	106%
Decachlorobipneyl	83%	82%	82%	82%	85%	80%	83%	79%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	171214-33	171214-34	171214-35	171214-36	171214-37	171214-38
Tetra-chloro-meta-xylene	115%	108%	110%	121%	114%	107%
Decachlorobipneyl	80%	80%	78%	80%	100%	84%

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

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

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

Analyzed and Reviewed By:

Final Reviewer:

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

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

RUSH

Misc./PO# Malibu Bldg D

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required: EPA-method 8082 - PCB	COMMENTS
1214-15	171215-38	12-14-17	2030	Bulk	1 4oz		ICE	X	36"
16					1			X (Rush)	Removed
17	-39		2040		1			X	3"
18	-40		2045		1			X	6"
19	-41		2050		1			X	9"
1214-16	-42	12-14-17	2032	Bulk	1		Ice	X	36"

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

Project Contact: Cesar Ruelas
Tel:
Fax:

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

Relinquished by:	Received by:	Date & Time: 12/15/17 1130
Relinquished by:	Received by:	Date & Time:
Relinquished by:	Received by:	Date & Time:

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

CHAIN OF CUSTODY RECORD

Date: 12-15-17

WHITE WITH SAMPLE • YELLOW TO CLIENT

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

Date: February 9, 2018

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

Project: **Malibu Bldg D-Vents**
Lab I.D.: **180207-17 through -30**

Dear Mr. Ruvalcaba:

The **analytical results** for the solid samples, received by our laboratory on February 7, 2018, are attached. The samples were received intact, and accompanying chain of custody.

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

Sincerely,

Curtis Desilets
Vice President/Program Manager

for

Andy Wang
Laboratory Manager

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

LABORATORY REPORT

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

DATE SAMPLED: 02/06/18
MATRIX: SOLID
REPORT TO: MR. CESAR RUVALCABA

DATE RECEIVED: 02/07/18
DATE EXTRACTED: 02/07-08/18
DATE ANALYZED: 02/08&09/18
DATE REPORTED: 02/09/18

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
20618-FR1	180207-17	ND	ND	ND	ND	ND	6.91	ND	6.91	1
20618-FR2	180207-18	ND	ND	ND	ND	ND	5.01	ND	5.01	1
20618-FR3	180207-19	ND	ND	ND	ND	ND	7.03	ND	7.03	1
20618-FR4	180207-20	ND	ND	ND	ND	ND	16.2	ND	16.2	1
20618-FR5	180207-21	ND	ND	ND	ND	ND	239000***	ND	239000***	1000
20618-FR6	180207-22	ND	ND	ND	ND	ND	5.66	ND	5.66	1
20618-FR7	180207-23	ND	ND	ND	ND	ND	4.69	ND	4.69	1
20618-FR14	180207-30	ND	ND	ND	ND	ND	33.5	ND	33.5	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)

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

Enviro-Chem, Inc.

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

EPA 8082 QA/QC Report

Matrix: **Soil/Solid/Sludge** Date Analyzed: 2/8-9/2018

Unit: mg/Kg(PPM)

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

Spiked Sample Lab I.D.: 180208-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%**	0.097	**97%**	**10%**	**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
Sample I.D.		MB	180207-17	180207-18	180207-19	180207-20	180207-21	180207-22
Tetra-chloro-meta-xylene	50-150	126%	110%	100%	124%	87%	110%	106%
Decachlorobipneyl	50-150	95%	63%	87%	145%	138%	145%	101%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	180207-23	180207-30						
Tetra-chloro-meta-xylene	144%	110%						
Decachlorobipneyl	123%	74%						

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

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

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

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

Analyzed and Reviewed By: _____

Final Reviewer: _____

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

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

Misc./PO# Malibu Bldg D

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	EPA Method 8082 - PCBs	COMMENTS
20618 - FR1	170207-17	2-06-18	1620	Bulk	1 40Z		ICE	X	caulking
FR2	18		1650		1			X	
FR3	19		1675		1			X	
FR4	20		1700		1			X	
FR5	21		1715		1			X	
FR6	22		1737		1			X	
FR7	23		1738		1			X	
FR8	24		1800		1			X	1" archive
FR9	25		1815		1			X	3" archive
FR10	26		1822		1			X	6" ↓
FR11	27		1900		1			X	1" archive
FR12	28		1915		1			X	3" arch. cur
FR13	29	↓	1930	↓	1		↓	X	6" ↓
FR14	30	↓	2040	↓	1		↓	X	caulking

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

Project Contact: Cesar Rualcaba
Tel:
Fax:

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

Relinquished by:	2-07-18 1050	Received by:	Date & Time: 2/7/2018 1050 AM
Relinquished by:		Received by:	Date & Time:
Relinquished by:		Received by:	Date & Time:

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

CHAIN OF CUSTODY RECORD

Date: 2-07-18

WHITE WITH SAMPLE - YELLOW TO CLIENT

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

Date: March 16, 2018

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

Project: **Malibu H.S.-Bldg. D**
Lab I.D.: **180228-38 through -45**

Dear Mr. Ruvalcaba:

The **analytical results** for the solid samples, received by our laboratory on February 28, 2018, are attached. The samples were received chilled, intact, accompanying chain of custody and also stored per the EPA protocols.

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

Sincerely,

Curtis Desilets
Vice President/Program Manager

Andy Wang
Laboratory Manager

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

LABORATORY REPORT

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

DATE SAMPLED: 02/26/18
MATRIX: SOLID
REPORT TO: MR. CESAR RUVALCABA

DATE RECEIVED: 02/28/18
DATE EXTRACTED: 03/02&05/18
DATE ANALYZED: 03/15/18
DATE REPORTED: 03/16/18

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
22618-SF01	180228-38	ND	ND	ND	ND	ND	145000***	ND	145000***	40000
22618-SF02	180228-39	ND	ND	ND	ND	ND	84900***	ND	84900***	20000
22618-SF03	180228-40	ND	ND	ND	ND	ND	97700***	ND	97700***	25000
22618-SF04	180228-41	ND	ND	ND	ND	ND	141000***	ND	141000***	50000
22618-SF05	180228-42	ND	ND	ND	ND	ND	80800***	ND	80800***	20000
22618-SF06	180228-43	ND	ND	ND	ND	ND	7.24	ND	7.24	4
22618-SF07	180228-44	ND	ND	ND	ND	ND	2.51	ND	2.51	1
22618-SF08	180228-45	ND	ND	ND	ND	ND	40800***	ND	40800***	10000
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1
	PQL	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	

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

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: **3/15/2018**

Unit: mg/Kg(PPM)

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

Spiked Sample Lab I.D.: 180315-LCS1/2

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
PCB (1016+1260)	0.000	0.100	0.121	**121%**	0.124	**124%**	**2%**	**0-20%**	**70-130**

Lab Control Spike (LCS) Recovery:

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

Surrogate Recovery	ACP%	ACP%	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	180228-38	180228-39	180228-40	180228-41	180228-42	180228-43
Tetra-chloro-meta-xylene	50-150	103%	107%	105%	104%	101%	104%	111%
Decachlorobipneyl	50-150	83%	80%	77%	86%	76%	79%	64%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	180228-44	180228-45						
Tetra-chloro-meta-xylene	107%	105%						
Decachlorobipneyl	66%	91%						

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

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

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

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

Analyzed and Reviewed By: _____

Final Reviewer: _____

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

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

Misc./PO# Bldg D

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required: EPA Method 6010 - PCBs	COMMENTS
22618'SF01	180228-38	226-18	1615	Bulk	1		Ice	X	Wet Caulking
SF02	-39		1635		1			X	
SF03	-40		1640		1			X	
SF04	-41		1642		1			X	
SF05	-42		1700		1			X	
SF06	-43		1715		1			X	
SF07	-44		1830		1			X	
SF08	-45		1850		1			X	
					40Z				SPECIAL EXTRACTION

Company Name: Afta Envntl	**Project Contact:** Cesar Rivadeneira	**Sampler's Signature:**
Address: 3777 Long Beach Blvd	**Tel:**	**Project Name/ID:** Malibu H.S. Bldg D
City/State/Zip: Long Beach Ca	**Fax:**	

Relinquished by: 2-28-18 1315	Received by:	Date & Time: 2/28/18 1330	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	Date & Time:	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	O Other:

CHAIN OF CUSTODY RECORD

Date: 2-28-18

WHITE WITH SAMPLE • YELLOW TO CLIENT

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

Date: November 15, 2018

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

Project: **Malibu High - Bldg D**
Lab I.D.: **181109-2 through -21**

Dear Mr. Schack:

The **analytical results** for the solid samples, received by our laboratory on November 9, 2018, are attached. The samples were received chilled, intact, and accompanying chain of custody.

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

Sincerely,

Curtis Desilets
Vice President/Program Manager

Andy Wang
Laboratory Manager

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

LABORATORY REPORT

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

PROJECT: **Malibu High - Bldg D**
DATE SAMPLED:11/08/18
MATRIX:SOLID
REPORT TO:MR. DAVID SCHACK

DATE RECEIVED:11/09/18
DATE EXTRACTED:11/09&12/18
DATE ANALYZED:11/12/18
DATE REPORTED:11/15/18

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
110818-CB1	181109-2	ND	ND	ND	ND	ND	7.01	ND	7.01	1
110818-CB2	181109-3	ND	ND	ND	ND	ND	0.889	ND	0.889	1
110818-CB3	181109-4	ND	ND	ND	ND	ND	0.994	ND	0.994	1
110818-CB4	181109-5	ND	ND	ND	ND	ND	0.989	ND	0.989	1
110818-CB5	181109-6	ND	ND	ND	ND	ND	1.51	ND	1.51	1
110818-CB6	181109-7	ND	ND	ND	ND	ND	1.22	ND	1.22	1
110818-CB7	181109-8	ND	ND	ND	ND	ND	1.18	ND	1.18	1
110818-CB8	181109-9	ND	ND	ND	ND	ND	0.682	ND	0.682	1
110818-CB9	181109-10	ND	ND	ND	ND	ND	0.836	ND	0.836	1
110818-CB10	181109-11	ND	ND	ND	ND	ND	0.898	ND	0.898	1
110818-CB11	181109-12	ND	ND	ND	ND	ND	ND	ND	ND	1
110818-CB12	181109-13	ND	ND	ND	ND	ND	ND	ND	ND	1
110818-CB13	181109-14	ND	ND	ND	ND	ND	0.532	ND	0.532	1
110818-CB14	181109-15	ND	ND	ND	ND	ND	1.77	ND	1.77	1
110818-CB15	181109-16	ND	ND	ND	ND	ND	0.776	ND	0.776	1
110818-CB16	181109-17	ND	ND	ND	ND	ND	1.20	ND	1.20	1
110818-CB17	181109-18	ND	ND	ND	ND	ND	1.16	ND	1.16	1
110818-CB19	181109-19	ND	ND	ND	ND	ND	1.71	ND	1.71	1
110818-CB20	181109-20	ND	ND	ND	ND	ND	1.93	ND	1.93	1
110818-CB21	181109-21	ND	ND	ND	ND	ND	2.40	ND	2.40	1
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1
	PQL	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	

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

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

Enviro-Chem, Inc.

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

EPA 8082 QA/QC Report

Matrix: **Soil/Solid/Sludge** Date Analyzed: **11/12/2018**

Unit: mg/Kg(PPM)

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

Spiked Sample Lab I.D.: 181112-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%**	0.104	**104%**	**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
Sample I.D.		MB	181109-2	181109-3	181109-4	181109-5	181109-6	181109-7
Tetra-chloro-meta-xylene	50-150	99%	94%	81%	87%	94%	98%	89%
Decachlorobipneyl	50-150	106%	129%	85%	81%	85%	106%	125%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	181109-8	181109-9	181109-10	181109-11	181109-12	181109-13	181109-14	181109-15
Tetra-chloro-meta-xylene	88%	77%	79%	93%	92%	95%	99%	100%
Decachlorobipneyl	71%	70%	80%	125%	56%	52%	82%	56%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	181109-16	181109-17	181109-18	181109-19	181109-20	181109-21
Tetra-chloro-meta-xylene	99%	99%	116%	82%	82%	86%
Decachlorobipneyl	55%	57%	66%	88%	79%	68%

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

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

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

Analyzed and Reviewed By: _____

Final Reviewer: _____

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

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

Misc./PO#: Malibu High Bldg D

CHAIN OF CUSTODY RECORD

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	EPA Method / 3050 Sample Extraction 3540C									COMMENTS
110818-cb1	181109-2	110818	1700	Bulk	1		Ice	X									
cb2	-3	↓	1705	↓	1	4.0	↓	X									
cb3	-4	↓	1720	↓	1		↓	X									
cb4	-5	↓	1730	↓	1		↓	X									
cb5	-6	↓	1745	↓	1		↓	X									
cb6	-7	↓	1755	↓	1		↓	X									
cb7	-8	↓	1810	↓	1		↓	X									
cb8	-9	↓	1830	↓	1		↓	X									
cb9	-10	↓	1850	↓	1		↓	X									
cb10	-11	↓	1900	↓	1		↓	X									
cb11	-12	↓	1915	↓	1		↓	X									
cb12	-13	↓	1921	↓	1		↓	X									
cb13	-14	↓	1945	↓	1		↓	X									
cb14	-15	↓	2010	↓	1		↓	X									
cb15	-16	↓	2030	↓	1		↓	X									

Analysis Required

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

Project Contact: D. Schuch
Tel:
Fax:

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

Relinquished by: [signature]	Received by: [signature]	Date & Time: 11/9/18 0843
Relinquished by:	Received by:	Date & Time:
Relinquished by:	Received by:	Date & Time:

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

Date: 11/9/18

WHITE WITH SAMPLE • YELLOW TO CLIENT

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

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

Misc./PO# Malibu High Bldg D

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required	COMMENTS
110818-cb16	18109-17	11-08-18	2040	Bulk	1		Ice	X	
cb17	-18		2095		1			X	
cb18			2100		1			X	N/A Not used
cb19	-19		2105		1			X	
cb20	-20		2110		1			X	
cb21	-21		2111		1			X	
					40Z				

Company Name: Atta Environ
Address: 3777 Long Beach Blvd
City/State/Zip: Long Beach Ca

Project Contact: D. Schaak
Tel:
Fax:

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

Relinquished by:	Received by:	11/9/18 0843	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	Date & Time:	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	O Other:

CHAIN OF CUSTODY RECORD

Date: 11/9/18

WHITE WITH SAMPLE • YELLOW TO CLIENT

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

Date: December 3, 2018

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

Project: **Malibu Bldg D**
Lab I.D.: **181121-40 through -61**

Dear Mr. Schack:

The **analytical results** for the solid samples, received by our laboratory on November 21, 2018, are attached. The samples were received chilled, intact, and accompanying chain of custody.

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

Sincerely,

Curtis Desilets
Vice President/Program Manager

Andy Wang
Laboratory Manager

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

LABORATORY REPORT

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

PROJECT: **Malibu Bldg D**
DATE SAMPLED:11/20/18
MATRIX:SOLID
REPORT TO:MR. DAVID SCHACK

DATE RECEIVED:11/21/18
DATE EXTRACTED:11/26-27/18
DATE ANALYZED:11/27-28/18
DATE REPORTED:12/03/18

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

SAMPLE I.D.	LAB I.D.	PCB-1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260	TOTAL PCBs*	DF
110818-CB22	181121-40	ND	ND	ND	ND	ND	0.683	ND	0.683	1
110818-CB23	181121-41	ND	ND	ND	ND	ND	1.59	ND	1.59	1
110818-CB24	181121-42	ND	ND	ND	ND	ND	0.765	ND	0.765	1
110818-CB25	181121-43	ND	ND	ND	ND	ND	2.09	ND	2.09	1
110818-CB26	181121-44	ND	ND	ND	ND	ND	1.97	ND	1.97	1
110818-CB27	181121-45	ND	ND	ND	ND	ND	1.17	ND	1.17	1
110818-CB28	181121-46	ND	ND	ND	ND	ND	0.909	ND	0.909	1
110818-CB29	181121-47	ND	ND	ND	ND	ND	2.09	ND	2.09	1
110818-CB30	181121-48	ND	ND	ND	ND	ND	1.99	ND	1.99	1
110818-CB31	181121-49	ND	ND	ND	ND	ND	1.38	ND	1.38	1
110818-CB32	181121-50	ND	ND	ND	ND	ND	1.43	ND	1.43	1
110818-CB33	181121-51	ND	ND	ND	ND	ND	2.66	ND	2.66	1
110918-FR1	181121-52	ND	ND	ND	ND	ND	0.394	ND	0.394	1
110918-FR2	181121-53	ND	ND	ND	ND	ND	3.75	ND	3.75	1
110918-FR3	181121-54	ND	ND	ND	ND	ND	4.05	ND	4.05	1
110918-FR4	181121-55	ND	ND	ND	ND	ND	0.619	ND	0.619	1
110918-FR5	181121-56	ND	ND	ND	ND	ND	2.57	ND	2.57	1
110918-FR6	181121-57	ND	ND	ND	ND	ND	1.31	ND	1.31	1
110918-FR7	181121-58	ND	ND	ND	ND	ND	0.885	ND	0.885	1
110918-FR8	181121-59	ND	ND	ND	ND	ND	1.61	ND	1.61	1
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1
	PQL	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	

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

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

Enviro-Chem, Inc.

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

EPA 8082 QA/QC Report

Matrix: **Soil/Solid/Sludge** Date Analyzed: **11/27-28/2018**

Unit: mg/Kg(PPM)

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

Spiked Sample Lab I.D.: 181127-LCS1/2

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
PCB (1016+1260)	0.000	0.100	0.102	**102%**	0.094	**94%**	**8%**	**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
Sample I.D.		MB	181121-40	181121-41	181121-42	181121-43	181121-44	181121-45
Tetra-chloro-meta-xylene	50-150	104%	80%	96%	85%	112%	115%	125%
Decachlorobipneyl	50-150	101%	82%	141%	102%	142%	126%	143%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	181121-46	181121-47	181121-48	181121-49	181121-50	181121-51	181121-52	181121-53
Tetra-chloro-meta-xylene	136%	94%	113%	102%	105%	112%	97%	88%
Decachlorobipneyl	144%	143%	129%	82%	103%	119%	122%	113%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	181121-54	181121-55	181121-56	181121-57	181121-58	181121-59
Tetra-chloro-meta-xylene	93%	112%	100%	123%	122%	100%
Decachlorobipneyl	85%	100%	65%	103%	83%	64%

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

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

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

Analyzed and Reviewed By: _____

Final Reviewer: _____

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

LABORATORY REPORT

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

PROJECT: **Malibu Bldg D**
DATE SAMPLED: 11/20/18
MATRIX: SOLID
REPORT TO: MR. DAVID SCHACK

DATE RECEIVED: 11/21/18
DATE EXTRACTED: 11/26-27/18
DATE ANALYZED: 11/27/18
DATE REPORTED: 12/03/18

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

SAMPLE I.D.	LAB I.D.	PCB-1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260	TOTAL PCBs*	DF
110918-FR9	181121-60	ND	ND	ND	ND	ND	1.78	ND	1.78	1
110918-FR10	181121-61	ND	ND	ND	ND	ND	0.873	ND	0.873	1
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1
	PQL	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	

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

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

Enviro-Chem, Inc.

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

EPA 8082 QA/QC Report

Matrix: **Soil/Solid/Sludge** Date Analyzed: **11/27/2018**

Unit: mg/Kg(PPM)

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

Spiked Sample Lab I.D.: 181127-LCS3/4

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
PCB (1016+1260)	0.000	0.100	0.089	**89%**	0.094	**94%**	**5%**	**0-20%**	**70-130**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	0.100	0.094	**94%**	**75-125**

Surrogate Recovery	ACP%	ACP%	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	181121-60	181121-61	181121-63	181121-64	181121-65	181126-59
Tetra-chloro-meta-xylene	50-150	106%	100%	99%	88%	115%	97%	130%
Decachlorobipneyl	50-150	85%	59%	70%	118%	80%	74%	83%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	181126-60	181126-61	181126-62	181126-63	181126-64	181126-65	181126-66	181126-67
Tetra-chloro-meta-xylene	0%	114%	133%	133%	89%	14%	125%	139%
Decachlorobipneyl	57%	60%	127%	114%	80%	87%	102%	68%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	181126-68	181126-69	181126-70	181126-71	181126-72	181126-73
Tetra-chloro-meta-xylene	150%	104%	106%	104%	131%	150%
Decachlorobipneyl	58%	63%	109%	63%	100%	141%

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

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

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

Analyzed and Reviewed By: _____

Final Reviewer: _____

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

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

Misc./PO#: Malibu - Bldg D

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required: EPA method 8082 Soxhlet Extraction 3540C									COMMENTS
110918-CB22	181121-40	11-2018	0800	Bulk	1	4027W	CS	X									
CB23	-41		0810		1			X									
CB24	-42		0820		1			X									
CB25	-43		0830		1			X									
CB26	-44		0835		1			X									
CB27	-45		0850		1			X									
CB28	-46		0920		1			X									
CB29	-47		0923		1			X									
CB30	-48		0940		1			X									
CB31	-49		0955		1			X									
CB32	-50		1000		1			X									
CB33	-51		1020		1			X									
~~CB34~~																	
110918-FB1	-52	11-2018	1040		1			X									
FB2	-53		1045		1			X									

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

Project Contact: David Schack
Tel:
Fax:

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

Relinquished by:	Received by:	Date & Time:
[signature]	[signature]	11/21/18 1530

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

CHAIN OF CUSTODY RECORD

WHITE WITH SAMPLE • YELLOW TO CLIENT

Date: 11-21-18

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

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

Misc./PO# Malibu Bldg D

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required	COMMENTS
110918-AR3	181121-54	11-20-18	1100	Bulk	1		Ice	X	
AR4	-55		1115		1			X	
AR5	-56		1120		1			X	
AR6	-57		1125		1			X	
AR7	-58		1130		1			X	
AR8	-59		1132		1			X	
AR9	-60		1150		1			X	
AR10	-61		1155		1			X	
~~AR11~~	~~-62~~								

Company Name: Alta Environmental
Address: 3777 Long Beach
City/State/Zip: Long Beach
Project Contact: David Shack
Tel:
Fax:
Sampler's Signature:
Project Name/ID: Malibu Bldg D

Relinquished by:	Received by:	Date & Time: 11/21/18 1530
Relinquished by:	Received by:	Date & Time:
Relinquished by:	Received by:	Date & Time:

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

CHAIN OF CUSTODY RECORD

Date: 11-21-18

WHITE WITH SAMPLE • YELLOW TO CLIENT

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WORK ORDER NUMBER: 18-11-1884

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Alta Environmental

Client Project Name: Malibu H.S.-Bldg D

Attention: Dave Schack
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Vikas Patel

Approved for release on 12/03/2018 by:
Vikas Patel
Project Manager

ResultLink ▸

Email your PM ▸

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Contents

Client Project Name: Malibu H.S.-Bldg D
Work Order Number: 18-11-1884

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Work Order Narrative

Work Order: 18-11-1884 Page 1 of 1

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 11/26/18. They were assigned to Work Order 18-11-1884.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

DoD Projects:

The test results contained in this report are accredited under the laboratory's ISO/IEC 17025:2005 and DoD-ELAP accreditation issued by the ANSI-ASQ National Accreditation Board. Refer to certificate and scope of accreditation ADE-1864.

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Sample Summary

Client:	Alta Environmental	Work Order:	18-11-1884
	3777 Long Beach Blvd., Annex Building	Project Name:	Malibu H.S.-Bldg D
	Long Beach, CA 90802-3335	PO Number:	
		Date/Time Received:	11/26/18 10:14
		Number of Containers:	1
Attn:	Dave Schack		

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
112018-43	18-11-1884-1	11/21/18 13:00	1	Solid

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Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Project: Malibu H.S.-Bldg D

Date Received: 11/26/18
Work Order: 18-11-1884
Preparation: EPA 3540C
Method: EPA 8082
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
112018-43	**18-11-1884-1-A**	**11/21/18 13:00**	**Solid**	**GC 58**	**11/27/18**	**11/29/18 18:59**	**181127L15**

Comment(s): - The reporting limit is elevated resulting from matrix interference.

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	980	1.00	
Aroclor-1221	ND	980	1.00	
Aroclor-1232	ND	980	1.00	
Aroclor-1242	ND	980	1.00	
Aroclor-1248	ND	980	1.00	
Aroclor-1254	ND	980	1.00	
Aroclor-1260	ND	980	1.00	
Aroclor-1262	ND	980	1.00	
Aroclor-1268	ND	980	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	67	24-168	
2,4,5,6-Tetrachloro-m-Xylene	116	25-145	

Method Blank	099-12-535-5001	N/A	Solid	GC 58	11/27/18	11/29/18 11:26	181127L15

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	80	24-168	
2,4,5,6-Tetrachloro-m-Xylene	92	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Quality Control - Spike/Spike Duplicate

Alta Environmental		Date Received:	11/26/18
3777 Long Beach Blvd., Annex Building		Work Order:	18-11-1884
Long Beach, CA 90802-3335		Preparation:	EPA 3540C
		Method:	EPA 8082
Project: Malibu H.S.-Bldg D			Page 1 of 1

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
18-11-2016-1	**Sample**	**Solid**	**GC 58**	**11/27/18**	**11/29/18 16:51**	**181127S15**
18-11-2016-1	**Matrix Spike**	**Solid**	**GC 58**	**11/27/18**	**11/29/18 18:23**	**181127S15**
18-11-2016-1	**Matrix Spike Duplicate**	**Solid**	**GC 58**	**11/27/18**	**11/29/18 18:41**	**181127S15**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Aroclor-1016	ND	100.0	196.0	196	309.0	309	50-135	45	0-20	3,4
Aroclor-1260	ND	100.0	264.0	264	610.0	610	50-135	79	0-20	3,4

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Alta Environmental		Date Received:	11/26/18
3777 Long Beach Blvd., Annex Building		Work Order:	18-11-1884
Long Beach, CA 90802-3335		Preparation:	EPA 3540C
		Method:	EPA 8082
Project: Malibu H.S.-Bldg D			Page 1 of 1

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-535-5001	**LCS**	**Solid**	**GC 58**	**11/27/18**	**11/29/18 11:44**	**181127L15**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Aroclor-1016	100.0	120.5	120	50-135	
Aroclor-1260	100.0	113.5	114	50-135	

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RPD: Relative Percent Difference. CL: Control Limits

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Sample Analysis Summary Report

Work Order: 18-11-1884 Page 1 of 1

Method	Extraction	Chemist ID	Instrument	Analytical Location
EPA 8082	EPA 3540C	669	GC 58	1

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Glossary of Terms and Qualifiers

Work Order: 18-11-1884 Page 1 of 1

Qualifiers	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
CI	See case narrative.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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7440 Lincoln Way, Garden Grove, CA 92841-1427 • (714) 895-5494
For courier service / sample drop off information, contact us26_sales@eurofinsus.com or call us.

CHAIN OF CUSTODY RECORD

WO # / LAB USE ONLY: **18-11-1884**

DATE: 11-26-18

PAGE: 1 OF 1

LABORATORY CLIENT: **Alta Environmental**

ADDRESS: 3777 Long Beach Boulevard, Annex Building

CITY: Long Beach STATE: CA ZIP: 90280

TEL: 562-495-5777 E-MAIL: David Schack

CLIENT PROJECT NAME / NUMBER: Malibu H.S. - Bldg D

P.O. NO.:

PROJECT CONTACT: David Schack

SAMPLER(S): (PRINT) Fabian Rivalcoba

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR X 5 DAYS ☐ STANDARD

☐ COELT EDF GLOBAL ID: LOG CODE:

SPECIAL INSTRUCTIONS:
Use Soxhlet Extraction, US EPA Method 3540C Aroclors

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	☐ TPH(g) ☐ GRO	☐ TPH(d) ☐ DRO	TPH ☐ C6-C36 ☐ C6-C44	TPH ____	BTEX / MTBE ☐ 8260 ☐ ____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☐ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6	Soxhlet Extraction 3540C			
1	112018-43	11-21-18	1300	Solid	1		X												X				X			

Relinquished by: (Signature)	11-26-18	Received by: (Signature/Affiliation)	Date: 11/26/18 Time: 1014
Relinquished by: (Signature)		Received by: (Signature/Affiliation)	Date: Time:
Relinquished by: (Signature)		Received by: (Signature/Affiliation)	Date: Time:

06/02/14 Revision

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WORK ORDER NUMBER: 18-11-1884

SAMPLE RECEIPT CHECKLIST

COOLER 0 OF 0

CLIENT: Alta Env'l.

DATE: 11/26/2018

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC6 (CF: 0.0°C); Temperature (w/o CF): 25.6 °C (w/ CF): 25.6 °C; ☐ Blank ☑ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____)

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling

☐ Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: ☐ Air ☐ Filter Checked by: UFS

CUSTODY SEAL:

Cooler ☐ Present and Intact ☐ Present but Not Intact ☐ Not Present ☑ N/A Checked by: UFS

Sample(s) ☐ Present and Intact ☐ Present but Not Intact ☑ Not Present ☐ N/A Checked by: UFS

SAMPLE CONDITION:	Yes	No	N/A
Chain-of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Sampling date ☐ Sampling time ☐ Matrix ☐ Number of containers			
☐ No analysis requested ☐ Not relinquished ☐ No relinquished date ☐ No relinquished time			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and in good condition	☑	☐	☐
Proper containers for analyses requested	☑	☐	☐
Sufficient volume/mass for analyses requested	☑	☐	☐
Samples received within holding time	☑	☐	☐
Aqueous samples for certain analyses received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfide ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation chemical(s) noted on COC and/or sample container	☐	☐	☑
Unpreserved aqueous sample(s) received for certain analyses			
☐ Volatile Organics ☐ Total Metals ☐ Dissolved Metals			
Acid/base preserved samples - pH within acceptable range	☐	☐	☑
Container(s) for certain analysis free of headspace	☐	☐	☑
☐ Volatile Organics ☐ Dissolved Gases (RSK-175) ☐ Dissolved Oxygen (SM 4500)			
☐ Carbon Dioxide (SM 4500) ☐ Ferrous Iron (SM 3500) ☐ Hydrogen Sulfide (Hach)			
Tedlar™ bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE: (Trip Blank Lot Number: _____)

Aqueous: ☐ VOA ☐ VOA**h** ☐ VOA**na$_2$** ☐ 100PJ ☐ 100PJ**na$_2$** ☐ 125AGB ☐ 125AGB**h** ☐ 125AGB**p** ☐ 125PB ☐ 125PB**znna** (pH__9)

☐ 250AGB ☐ 250CGB ☐ 250CGB**s** (pH__2) ☐ 250PB ☐ 250PB**n** (pH__2) ☐ 500AGB ☐ 500AGJ ☐ 500AGJ**s** (pH__2) ☐ 500PB

☐ 1AGB ☐ 1AGB**na$_2$** ☐ 1AGB**s** (pH__2) ☐ 1AGB**s** (O&G) ☐ 1PB ☐ 1PB**na** (pH__12) ☐ _____ ☐ _____ ☐ _____

Solid: ☑ 4ozCGJ ☐ 8ozCGJ ☐ 16ozCGJ ☐ Sleeve (___) ☐ EnCores® (___) ☐ TerraCores® (___) ☐ _____ ☐ _____ ☐ _____

Air: ☐ Tedlar™ ☐ Canister ☐ Sorbent Tube ☐ PUF ☐ _____ **Other Matrix** (_____): ☐ _____ ☐ _____ ☐ _____

Container: **A** = Amber, **B** = Bottle, **C** = Clear, **E** = Envelope, **G** = Glass, **J** = Jar, **P** = Plastic, and **Z** = Ziploc/Resealable Bag

Preservative: **b** = buffered, **f** = filtered, **h** = HCl, **n** = HNO_3, **na** = NaOH, **na$_2$** = $Na_2S_2O_3$, **p** = H_3PO_4, Labeled/Checked by: UFS

s = H_2SO_4, **u** = ultra-pure, **x** = Na_2SO_3+$NaHSO_4.H_2O$, **znna** = Zn $(CH_3CO_2)_2$ + NaOH Reviewed by: MJL

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

Date: December 3, 2018

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

Project: **Malibu High - Bldg D**
Lab I.D.: **181126-59 through -98**

Dear Mr. Schack:

The **analytical results** for the solid samples, received by our laboratory on November 26, 2018, are attached. The samples were received chilled, intact, and accompanying chain of custody.

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

Sincerely,

Curtis Desilets
Vice President/Program Manager

Andy Wang
Laboratory Manager

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

LABORATORY REPORT

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

PROJECT: **Malibu High - Bldg D**
DATE SAMPLED:11/21/18
MATRIX:SOLID
REPORT TO:MR. DAVID SCHACK

DATE RECEIVED:11/26/18
DATE EXTRACTED:11/26-27/18
DATE ANALYZED:11/27-28/18
DATE REPORTED:12/03/18

PCBs ANALYSIS; PAGE 1 OF 3
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
112018-1	181126-59	ND	ND	ND	ND	ND	3.01	ND	3.01	1
112018-2	181126-60	ND	ND	ND	ND	ND	1.48	ND	1.48	1
112018-3	181126-61	ND	ND	ND	ND	ND	5.36	ND	5.36	1
112018-4	181126-62	ND	ND	ND	ND	ND	2.92	ND	2.92	1
112018-5	181126-63	ND	ND	ND	ND	ND	1.94	ND	1.94	1
112018-7	181126-64	ND	ND	ND	ND	ND	1.26	ND	1.26	1
112018-8	181126-65	ND	ND	ND	ND	ND	3.68	ND	3.68	1
112018-9	181126-66	ND	ND	ND	ND	ND	3.34	ND	3.34	1
112018-10	181126-67	ND	ND	ND	ND	ND	3.37	ND	3.37	1
112018-11	181126-68	ND	ND	ND	ND	ND	ND	ND	ND	1
112018-12	181126-69	ND	ND	ND	ND	ND	ND	ND	ND	1
112018-13	181126-70	ND	ND	ND	ND	ND	0.647	ND	0.647	1
112018-14	181126-71	ND	ND	ND	ND	ND	ND	ND	ND	1
112018-15	181126-72	ND	ND	ND	ND	ND	1.49	ND	1.49	1
112018-16	181126-73	ND	ND	ND	ND	ND	1.18	ND	1.18	1
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1
	PQL	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	

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

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

Enviro-Chem, Inc.

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

EPA 8082 QA/QC Report

Matrix: **Soil/Solid/Sludge** Date Analyzed: **11/27-28/2018**

Unit: mg/Kg(PPM)

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

Spiked Sample Lab I.D.: 181127-LCS3/4

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
PCB (1016+1260)	0.000	0.100	0.089	**89%**	0.094	**94%**	**5%**	**0-20%**	**70-130**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	0.100	0.094	**94%**	**75-125**

Surrogate Recovery	ACP%	ACP%	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	181121-60	181121-61	181121-63	181121-64	181121-65	181126-59
Tetra-chloro-meta-xylene	50-150	106%	100%	99%	88%	115%	97%	130%
Decachlorobipneyl	50-150	85%	59%	70%	118%	80%	74%	83%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	181126-60	181126-61	181126-62	181126-63	181126-64	181126-65	181126-66	181126-67
Tetra-chloro-meta-xylene	0%*	114%	133%	133%	89%	14%*	125%	139%
Decachlorobipneyl	57%	60%	127%	114%	80%	87%	102%	68%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	181126-68	181126-69	181126-70	181126-71	181126-72	181126-73
Tetra-chloro-meta-xylene	150%	104%	106%	104%	131%	150%
Decachlorobipneyl	58%	63%	109%	63%	100%	141%

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

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

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

Analyzed and Reviewed By: _____

Final Reviewer: _____

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

LABORATORY REPORT

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

PROJECT: **Malibu High - Bldg D**
DATE SAMPLED:11/21/18
MATRIX:SOLID
REPORT TO:MR. DAVID SCHACK

DATE RECEIVED:11/26/18
DATE EXTRACTED:11/26-27/18
DATE ANALYZED:11/28/18
DATE REPORTED:12/03/18

PCBs ANALYSIS; PAGE 2 OF 3
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
112018-17	181126-74	ND	ND	ND	ND	ND	2.13	ND	2.13	1
112018-18	181126-75	ND	ND	ND	ND	ND	0.748	ND	0.748	1
112018-19	181126-76	ND	ND	ND	ND	ND	0.463	ND	0.463	1
112018-20	181126-77	ND	ND	ND	ND	ND	1.15	ND	1.15	1
112018-21	181126-78	ND	ND	ND	ND	ND	2.28	ND	2.28	1
112018-22	181126-79	ND	ND	ND	ND	ND	0.634	ND	0.634	1
112018-23	181126-80	ND	ND	ND	ND	ND	1.54	ND	1.54	1
112018-24	181126-81	ND	ND	ND	ND	ND	1.10	ND	1.10	1
112018-25	181126-82	ND	ND	ND	ND	ND	1.01	ND	1.01	1
112018-26	181126-83	ND	ND	ND	ND	ND	0.628	ND	0.628	1
112018-27	181126-84	ND	ND	ND	ND	ND	1.39	ND	1.39	1
112018-28	181126-85	ND	ND	ND	ND	ND	0.755	ND	0.755	1
112018-29	181126-86	ND	ND	ND	ND	ND	0.994	ND	0.994	1
112018-32	181126-87	ND	ND	ND	ND	ND	0.582	ND	0.582	1
112018-33	181126-88	ND	ND	ND	ND	ND	0.944	ND	0.944	1
112018-34	181126-89	ND	ND	ND	ND	ND	1.14	ND	1.14	1
112018-35	181126-90	ND	ND	ND	ND	ND	1.32	ND	1.32	1
112018-36	181126-91	ND	ND	ND	ND	ND	1.61	ND	1.61	1
112018-37	181126-92	ND	ND	ND	ND	ND	1.03	ND	1.03	1
112018-40	181126-95	ND	ND	ND	ND	ND	0.614	ND	0.614	1
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1
	PQL	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	

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

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

Enviro-Chem, Inc.

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

EPA 8082 QA/QC Report

Matrix: **Soil/Solid/Sludge** Date Analyzed: **11/28/2018**

Unit: mg/Kg(PPM)

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

Spiked Sample Lab I.D.: 181127-LCS5/6

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
PCB (1016+1260)	0.000	0.100	0.090	**90%**	0.089	**89%**	**1%**	**0-20%**	**70-130**

Lab Control Spike (LCS) Recovery:

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

Surrogate Recovery	ACP%	ACP%	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	181126-74	181126-75	181126-76	181126-77	181126-78	181126-79
Tetra-chloro-meta-xylene	50-150	100%	66%	94%	95%	96%	85%	92%
Decachlorobipneyl	50-150	72%	73%	123%	136%	130%	79%	126%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	181126-80	181126-81	181126-82	181126-83	181126-84	181126-85	181126-86	181126-87
Tetra-chloro-meta-xylene	93%	95%	106%	90%	98%	101%	87%	102%
Decachlorobipneyl	104%	107%	110%	102%	134%	136%	82%	145%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	181126-88	181126-89	181126-90	181126-91	181126-92	181126-95
Tetra-chloro-meta-xylene	99%	95%	103%	103%	102%	92%
Decachlorobipneyl	98%	56%	97%	52%	56%	66%

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

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

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

Analyzed and Reviewed By: _____

Final Reviewer: _____

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

LABORATORY REPORT

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

PROJECT: **Malibu High - Bldg D**
DATE SAMPLED: 11/21/18
MATRIX: SOLID
REPORT TO: MR. DAVID SCHACK

DATE RECEIVED: 11/26/18
DATE EXTRACTED: 11/26-27/18
DATE ANALYZED: 11/27-28/18
DATE REPORTED: 12/03/18

PCBs ANALYSIS; PAGE 3 OF 3
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
112018-41	181126-96	ND	ND	ND	ND	ND	0.637	ND	0.637	1
112018-42	181126-97	ND	ND	ND	ND	ND	5.02	ND	5.02	1
112018-44	181126-98	ND	ND	ND	ND	ND	2.83	ND	2.83	1
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1
	PQL	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	

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

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

Enviro-Chem, Inc.

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

EPA 8082 QA/QC Report

Matrix: **Soil/Solid/Sludge** Date Analyzed: **11/28/2018**

Unit: mg/Kg(PPM)

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

Spiked Sample Lab I.D.: 181128-LCS1/2

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
PCB (1016+1260)	0.000	0.100	0.084	**84%**	0.086	**86%**	**2%**	**0-20%**	**70-130**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	0.100	0.101	**101%**	**75-125**

Surrogate Recovery	ACP%	ACP%	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	181126-96	181126-97	181126-98	181116-92		
Tetra-chloro-meta-xylene	50-150	39%	105%	96%	105%	108%		
Decachlorobipneyl	50-150	59%	58%	55%	54%	94%		

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

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

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

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

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

Analyzed and Reviewed By: _____

Final Reviewer: _____

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

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

Misc./PO#: Malibu Bldg D

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	EPA Method 8082 Soxhlet Extraction 3540C									COMMENTS
112018-1	181126-59	11-21-18		Bulk	1	4.7°C w	Ice	X									
2	-60				1			X									
3	-61				1			X									
4	-62				1			X									
5	-63				1			X									
~~6~~	Not used				X			X									
7	-64				1			X									
8	-65				1			X									
9	-66				1			X									
10	-67				1			X									
11	-68				1			X									
12	-69				1			X									
13	-70				1			X									
14	-71				1			X									
15	-72				1			X									

Company Name: Alta Environmental
Address: 3777 Long Beach
City/State/Zip: Long Beach Ca
Project Contact: David Schack
Tel:
Fax:
Sampler's Signature: [signature]
Project Name/ID: Malibu High Bldg D

Relinquished by: [signature]	Received by: [signature]	Date & Time: 11/26/18 1511
Relinquished by:	Received by:	Date & Time:
Relinquished by:	Received by:	Date & Time:

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

CHAIN OF CUSTODY RECORD

WHITE WITH SAMPLE • YELLOW TO CLIENT

Date: 11/26/18

Enviro-Chem, Inc. Laboratories

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

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

Misc./PO#

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required: EPA Method 8082 Soxhlet Extraction 3540C									COMMENTS
112018-16	181126-73	11-21-18		Bulk	1	4°C	Ice	X									
17	-74	11-21-18		Bulk	1		[illegible]	X									
18	-75	11-21-18		Bulk	1			X									
19	-76	11-21-18		Bulk	1			X									
20	-77	11-21-18		Bulk	1			X									
21	-78	11-21-18		Bulk	1			X									
22	-79	11-21-18		Bulk	1			X									
23	-80	11-21-18		Bulk	1			X									
24	-81	11-21-18		Bulk	1			X									
25	-82	11-21-18		Bulk	1			X									
26	-83	11-21-18		Bulk	1			X									
27	-84	11-21-18		Bulk	1			X									
28	-85	11-21-18		Bulk	1			X									
29	-86	11-21-18		Bulk	1			X									
~~30~~ Not	Used				1			X									

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

Project Contact: David Schack
Tel:
Fax:

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

Relinquished by: [signature]	Received by: [signature]	Date & Time: 11/26/18 1571
Relinquished by:	Received by:	Date & Time:
Relinquished by:	Received by:	Date & Time:

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

CHAIN OF CUSTODY RECORD

WHITE WITH SAMPLE • YELLOW TO CLIENT

Date: ______

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

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

EPA Method 8082 Soxhlet Extraction 3540 C

Misc./PO# Malibu - Bldg D

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required	COMMENTS
11 2018-31	Not Used								
-32	18116-87	11-21-18		Bulk	1		Ice	X	
-33	-88				1			X	
-34	-89				1			X	
-35	-90				1			X	
36	-91				1			X	
37	-92				1			X	
38 ☆	-93				1			X	Not Received ☆
39 ☆	-94				1			X	Not Received ☆
40	-95				1			X	
41	-96				1			X	
42	-97				1			X	
~~43~~ Received									
44	-98	☆			1			X	

Company Name: Atta Environtl
Address: 3777 Long Beach
City/State/Zip:
Project Contact: David Schack
Tel:
Fax/Email:
Sampler's Signature:
Project Name/ID: Malibu Bldg D

Relinquished by:	Received by:	Date & Time: 11/26/18 1571
Relinquished by:	Received by:	Date & Time:
Relinquished by:	Received by:	Date & Time:

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

CHAIN OF CUSTODY RECORD

Date: _____

WHITE WITH SAMPLE • YELLOW TO CLIENT

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

Date: January 11, 2019

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

Project: **Malibu High School Bldg D SMSD-18-8202**
Lab I.D.: **190108-43 through -48**

Dear Mr. Schack:

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

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

Sincerely,

for

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 E-Mail:David.Schack@altaenviron.com

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

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

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

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
010719-										
JR01	190108-43	ND	ND	ND	ND	ND	1.41	ND	1.41	1
JR02	190108-44	ND	ND	ND	ND	ND	1.49	ND	1.49	2
JR03	190108-45	ND	ND	ND	ND	ND	2.04	ND	2.04	2
JR04	190108-46	ND	ND	ND	ND	ND	1.72	ND	1.72	1
JR05	190108-47	ND	ND	ND	ND	ND	0.260	ND	0.260	1
JR06	190108-48	ND	ND	ND	ND	ND	9.77	ND	9.77	10
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1
PQL		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	

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

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

Enviro-Chem, Inc.

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

EPA 8082 QA/QC Report

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

Unit: mg/Kg(PPM)

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

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

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

Lab Control Spike (LCS) Recovery:

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

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

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

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

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

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

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

Analyzed and Reviewed By: _____

Final Reviewer: _____

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

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

RUSH

Misc./PO#

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	EPA 8082 Sonicated Extraction									COMMENTS
010719 - JR01	190108-43	01/07/19		Bulk	1		Ice	X									
-JR02	-44	↓		↓	1		↓	X									
-JR03	-45	↓		↓	1		↓	X									
-JR04	-46	↓		↓	1		↓	X									
-JR05	-47	↓		↓	1		↓	X									
-JR06	-48	↓		↓	1		↓	X									
					4°C												

Company Name: Alta Environmental
Address: 3777 Long Beach Blvd
City/State/Zip: Long Beach CA 90807

Project Contact: David Slink / Scott W / Scott F.
Tel: (626) 410-5443
Fax/Email:

Sampler's Signature: [signature]
Project Name/ID: Malibu H.S. Bldg D SMSD-18-0202

Relinquished by: [signature]	Received by: [signature]	Date & Time: 01/08/19 09:__
Relinquished by:	Received by:	Date & Time:
Relinquished by:	Received by:	Date & Time:

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

CHAIN OF CUSTODY RECORD

WHITE WITH SAMPLE • YELLOW TO CLIENT

Date: 01/08/19

Page 1 of 1

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

Date: March 2, 2020

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

Project: **MMHS Bldg D**
Lab I.D.: **200226-5 through -10**

Dear Mr. Barkman:

The **analytical results** for the solid samples, received by our laboratory on February 26, 2020, are attached. The samples were received chilled, intact, and accompanying chain of custody.

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

Sincerely,

Curtis Desilets
Vice President/Program Manager

Andy Wang
Laboratory Manager

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

LABORATORY REPORT

CUSTOMER: **Alta Environmental**
3777 Long Beach Blvd, Annex Building, Long Beach, CA 90807
Tel:(562)495-5777 E-Mail: Jonathan.Barkman@Altaenviron.com

PROJECT: **MMHS Bldg D**
DATE SAMPLED:02/25/20
MATRIX:SOLID
REPORT TO:MR. JONATHAN BARKMAN

DATE RECEIVED:02/26/20
DATE EXTRACTED:02/27/20
DATE ANALYZED:02/27-28/20
DATE REPORTED:03/02/20

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
022520-D1L	200226-5	ND	ND	ND	ND	2.99	3.92	ND	6.91	1
022520-D2L	200226-6	ND	ND	ND	ND	ND	5.14	ND	5.14	1
022520-D2M	200226-7	ND	ND	ND	ND	1.41	ND	ND	1.41	1
022520-D3R	200226-8	ND	ND	ND	ND	2.76	3.69	ND	6.45	1
022520-D1M	200226-9	ND	ND	ND	ND	ND	ND	ND	ND	1
022520-D3M	200226-10	ND	ND	ND	ND	ND	ND	ND	ND	1
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1
	PQL	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	

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

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

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

QA/QC Report

Analysis: EPA 8082 (PCB)

Matrix: **Soil/Solid/Liquid** Date Analyzed: **2/27-28/2020**

Unit: mg/Kg (PPM)

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

Spiked Sample Lab I.D.: 200227-LCS 3/4

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP % RPD	ACP %REC
PCB (1016+1260)	0.000	0.100	0.085	**85%**	0.082	**82%**	**4%**	**0-20%**	**70-130**

LCS STD RECOVERY:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	0.100	0.092	**92%**	**75-125**

S.R. = Sample Result
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
- 0 Same Day
- 0 24 Hours
- 0 48 Hours
- 0 72 Hours (circled)
- 0 1 Week (Standard)
- Other:

PRIORITY

Misc./PO#

Analysis Required: PCB 8082; Soxhlet 3540

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	PCB 8082	Soxhlet 3540								COMMENTS
022520-D1L	200226-5	02/25	1000	Caulk	1		4oz Jar	X	X								Wall Ceiling Joint
022520-D2L	-6	02/25	1020	Caulk	1		8oz Jar	X	X								Wall Ceiling Joint
022520-D2M	-7	02/25	1030	Mastic	1		8oz Jar	X	X								Ceiling Tile Mastic
022520-D3R	-8	02/25	1045	Caulk	1		4oz Jar	X	X								Ceiling Tile Mastic
022520-D1M	-9	02/25	1100	Mastic	1		8oz Jar	X	X								Wall Ceiling Joint
022520-D3M	-10	02/25	1120	Mastic	1		8oz Jar	X	X								Ceiling Tile Mastic

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

Project Contact: Jonathan Berkman
Tel: 310-920-8404
Fax/Email: jonathan.berkman@altaenviron.com

Sampler's Signature: [signature]
Project Name/ID: NMHS Bld D

Relinquished by:	Received by:	Date & Time:
[signature]	[signature]	2/26/2020 1150

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

CHAIN OF CUSTODY RECORD

WHITE WITH SAMPLE • YELLOW TO CLIENT

Date: 2/26/2020

Page 1 of 1

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

Date: March 5, 2020

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

Project: **MMHS Bldg D**
Lab I.D.: **200228-85 through -104**

Dear Mr. Barkman:

The **analytical results** for the solid samples, received by our laboratory on February 28, 2020, are attached. The samples were received chilled, intact, and accompanying chain of custody.

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

Sincerely,

Curtis Desilets
Vice President/Program Manager

Andy Wang
Laboratory Manager

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

LABORATORY REPORT

CUSTOMER: **Alta Environmental**
3777 Long Beach Blvd, Annex Building, Long Beach, CA 90807
Tel: (562) 495-5777 E-Mail: Jonathan.Barkman@Altaenviron.com

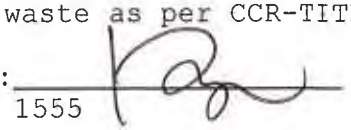
PROJECT: **MMHS Bldg D**
DATE SAMPLED: 02/27/20
MATRIX: SOLID
REPORT TO: MR. JONATHAN BARKMAN

DATE RECEIVED: 02/28/20
DATE EXTRACTED: 03/03/20
DATE ANALYZED: 03/03-04/20
DATE REPORTED: 03/05/20

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
22618-SF02-1	200228-85	ND	ND	ND	ND	ND	10.9	ND	10.9	2
22618-SF02-3	200228-86	ND	ND	ND	ND	ND	3.10	ND	3.10	2
22618-SF02-6	200228-87	ND	ND	ND	ND	ND	ND	ND	ND	1
22618-SF02-12	200228-88	ND	ND	ND	ND	ND	ND	ND	ND	1
22618-SF01-3	200228-89	ND	ND	ND	ND	ND	2.56	ND	2.56	2
22618-SF01-1	200228-90	ND	ND	ND	ND	ND	9.92	ND	9.92	2
22618-SF01-6	200228-91	ND	ND	ND	ND	ND	0.646	ND	0.646	1
22618-SF01-12	200228-92	ND	ND	ND	ND	ND	ND	ND	ND	1
022720-D-R1	200228-93	ND	ND	ND	ND	ND	ND	ND	ND	1
022720-D-R2	200228-94	ND	ND	ND	ND	ND	ND	ND	ND	1
022720-D-R3	200228-95	ND	ND	ND	ND	ND	ND	ND	ND	1
022720-D-R4	200228-96	ND	ND	ND	ND	ND	ND	ND	ND	1
022720-D-R5	200228-97	ND	ND	ND	ND	ND	1.56	ND	1.56	2
022720-D-R6	200228-98	ND	ND	ND	ND	ND	3.01	ND	3.01	2
022720-D-R7	200228-99	ND	ND	ND	ND	ND	2.31	ND	2.31	2
022720-D-R8	200228-100	ND	ND	ND	ND	ND	ND	ND	ND	1
022720-D-R9	200228-101	ND	ND	ND	ND	ND	ND	ND	ND	1
022720-D-R10	200228-102	ND	ND	ND	ND	ND	ND	ND	ND	1
022720-D-R11	200228-103	ND	ND	ND	ND	ND	2.72	ND	2.72	2
022720-D-R12	200228-104	ND	ND	ND	ND	ND	ND	ND	ND	1
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1
	PQL	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	

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

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

Enviro-Chem, Inc.

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

EPA 8082 QA/QC Report

Matrix: **Soil/Solid/Sludge** Date Analyzed: **3/3-4/2020**

Unit: mg/Kg(PPM)

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

Spiked Sample Lab I.D.: 200303-LCS 1/2

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
PCB (1016+1260)	0.000	0.100	0.091	**91%**	0.098	**98%**	**7%**	**0-20%**	**70-130**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	0.100	0.098	**98%**	**75-125**

Surrogate Recovery	ACP%	ACP%	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	200228-85	200228-86	200228-87	200228-88	200228-89	200228-90
Tetra-chloro-meta-xylene	50-150	88%	107%	106%	101%	99%	100%	108%
Decachlorobipneyl	50-150	87%	91%	94%	125%	97%	128%	103%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		200228-91	200228-92	200228-93	200228-94	200228-95	200228-96	200228-97
Tetra-chloro-meta-xylene	50-150	100%	106%	107%	112%	65%	72%	61%
Decachlorobipneyl	50-150	132%	133%	99%	96%	75%	85%	65%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		200228-98	200228-99	200228-100	200228-101	200228-102	200228-103	200228-104
Tetra-chloro-meta-xylene	50-150	142%	100%	93%	97%	113%	95%	82%
Decachlorobipneyl	50-150	89%	68%	52%	53%	64%	77%	67%

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

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

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

Analyzed and Reviewed By: _____

Final Reviewer: _____

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

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

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required: PCB 8082	Analysis Required: Soxhlet 3540	Misc./PO#	COMMENTS
22618-SF02-1	200228 S5	2/27	1250	Solid	1	ICE		X	X	SMSD-19-8991	Brick Rm208
22618-SF02-3	-S6	2/27	1255					X	X		
22618-SF02-6	-S7	2/27	1300					X	X		
22618-SF02-12	-S8	2/27	1305					X	X		
22618-SF01-3	-S9	2/27	1405					X	X		Brick Rm212
22618-SF01-1	-P0	2/27	1400					X	X		
22618-SF01-6	-P1	2/27	1410				ICE	X	X		
22618-SF01-12	-P2	2/27	1415				ICE	X	X		
022720-D-R1	-P3	2/27	1330					X	X		3X6 Penetration Seal
022720-D-R2	-P4	2/27	1335					X	X		Pipe Sealant 5
022720-D-R3	-P5	2/27	1340					X	X		Pipe Sealant SE
022720-D-R4	-P6	2/27	1345					X	X		Pipe Sealant
022720-D-R5	-P7	2/27	1340					X	X		Caulk Metal Flashing
022720-D-R6	-P8	2/27	1345					X	X		Caulk Metal Flash
022720-D-R7	-P9	2/27	1350					X	X		Caulk Metal Flash

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

Project Contact: Jonathan Barkman
Tel: 310-920-8494
Fax/Email: Jonathan.Barkman@altenviron.com

Sampler's Signature:
Project Name/ID: MMHS Bldg D

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

2/28/20 1640

CHAIN OF CUSTODY RECORD

Date:

WHITE WITH SAMPLE • YELLOW TO CLIENT

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

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

Misc./PO# SNSD-19-8997

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	RCB 8082	Sulfur 3546	COMMENTS
022720-D-R8	2002285.100	2/27	1420	Solid	1			X	X	Duct Sealant W
022720-D-R9	-101		1425					X	X	Duct Sealant E
022720-D-R10	-102		1430					X	X	Duct Sealant S
0227-20-D-R11	-103		1435					X	X	3X6 Vent NE
022720-D-R12	-104		1440					X	X	3X6 Vent W

Analysis Required

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

Project Contact: Jonathan Barkmann
Tel: 310-920-8404
Fax/Email: jonathan.barkmann@altaenviron.com

Sampler's Signature:

Project Name/ID: NMHS Bldg D

Relinquished by:	Received by:	Date & Time: 2/28/20 1640
Relinquished by:	Received by:	Date & Time:
Relinquished by:	Received by:	Date & Time:

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

CHAIN OF CUSTODY RECORD

Date: _____

WHITE WITH SAMPLE • YELLOW TO CLIENT

ANALYTICAL REPORT

Eurofins Calscience LLC
7440 Lincoln Way
Garden Grove, CA 92841
Tel: (714)895-5494

Laboratory Job ID: 570-23582-1
Client Project/Site: MMHS Bldg D - Paint PCBs

For:
Alta Environmental LP
3777 Long Beach Boulevard
Annex Building
Long Beach, California 90807

Attn: Jonathan Barkman

Vik Patel

Authorized for release by:
3/19/2020 5:42:27 PM

Vikas Patel, Project Manager I
(714)895-5494
vikaspatel@eurofinsus.com

Table of Contents

Definitions/Glossary

Client: Alta Environmental LP
Job ID: 570-23582-1
Project/Site: MMHS Bldg D - Paint PCBs

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: Alta Environmental LP
Project/Site: MMHS Bldg D - Paint PCBs

Job ID: 570-23582-1

Job ID: 570-23582-1

Laboratory: Eurofins Calscience LLC

Narrative

Job Narrative
570-23582-1

Comments
No additional comments.

Receipt
The samples were received on 3/16/2020 2:20 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.0º C.

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
Method 3540C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-57836. LCS/D was perform to meet QC requirement.

Method 3540C: Due to the matrix, the initial volume(s) used for the following samples deviated from the standard procedure: 031320-D-P1 (570-23582-1), 031320-D-P2 (570-23582-2), 031320-D-P3 (570-23582-3), 031320-D-P4 (570-23582-4), 031320-D-P5 (570-23582-5), 031320-D-P6 (570-23582-6), 031320-D-P7 (570-23582-7), 031320-D-P8 (570-23582-8), 031320-D-P9 (570-23582-9), 031320-D-P10 (570-23582-10), 031320-D-P11 (570-23582-11), 031320-D-P12 (570-23582-12), 031320-D-P13 (570-23582-13) and 031320-D-P14 (570-23582-14). The reporting limits (RLs) have been adjusted proportionately. Samples are limited. Adjusted from 20g to 1g. Samples are paint chips.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Alta Environmental LP
Project/Site: MMHS Bldg D - Paint PCBs

Job ID: 570-23582-1

Client Sample ID: 031320-D-P1 — Lab Sample ID: 570-23582-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Aroclor-1254	23000		2800		ug/Kg	1		8082	Total/NA

Client Sample ID: 031320-D-P2 — Lab Sample ID: 570-23582-2

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Aroclor-1254	15000		5600		ug/Kg	1		8082	Total/NA

Client Sample ID: 031320-D-P3 — Lab Sample ID: 570-23582-3

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Aroclor-1254	11000		4800		ug/Kg	1		8082	Total/NA

Client Sample ID: 031320-D-P4 — Lab Sample ID: 570-23582-4

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Aroclor-1254	10000		3300		ug/Kg	1		8082	Total/NA

Client Sample ID: 031320-D-P5 — Lab Sample ID: 570-23582-5

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Aroclor-1254	15000		3700		ug/Kg	1		8082	Total/NA

Client Sample ID: 031320-D-P6 — Lab Sample ID: 570-23582-6

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Aroclor-1254	13000		7100		ug/Kg	1		8082	Total/NA

Client Sample ID: 031320-D-P7 — Lab Sample ID: 570-23582-7

No Detections.

Client Sample ID: 031320-D-P8 — Lab Sample ID: 570-23582-8

No Detections.

Client Sample ID: 031320-D-P9 — Lab Sample ID: 570-23582-9

No Detections.

Client Sample ID: 031320-D-P10 — Lab Sample ID: 570-23582-10

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Aroclor-1254	38000		2900		ug/Kg	1		8082	Total/NA

Client Sample ID: 031320-D-P11 — Lab Sample ID: 570-23582-11

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Aroclor-1254	12000		6700		ug/Kg	1		8082	Total/NA

Client Sample ID: 031320-D-P12 — Lab Sample ID: 570-23582-12

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Aroclor-1254	11000		7100		ug/Kg	1		8082	Total/NA

Client Sample ID: 031320-D-P13 — Lab Sample ID: 570-23582-13

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Calscience LLC

Detection Summary

Client: Alta Environmental LP
Project/Site: MMHS Bldg D - Paint PCBs

Job ID: 570-23582-1

Client Sample ID: 031320-D-P14

Lab Sample ID: 570-23582-14

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Aroclor-1254	2800		1300		ug/Kg	1		8082	Total/NA

This Detection Summary does not include radiochemical test results.

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: 031320-D-P1
Date Collected: 03/13/20 10:00
Date Received: 03/16/20 14:20

Lab Sample ID: 570-23582-1
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		2800		ug/Kg		03/17/20 14:31	03/19/20 10:58	1
Aroclor-1221	ND		2800		ug/Kg		03/17/20 14:31	03/19/20 10:58	1
Aroclor-1232	ND		2800		ug/Kg		03/17/20 14:31	03/19/20 10:58	1
Aroclor-1242	ND		2800		ug/Kg		03/17/20 14:31	03/19/20 10:58	1
Aroclor-1248	ND		2800		ug/Kg		03/17/20 14:31	03/19/20 10:58	1
Aroclor-1254	**23000**		2800		ug/Kg		03/17/20 14:31	03/19/20 10:58	1
Aroclor-1260	ND		2800		ug/Kg		03/17/20 14:31	03/19/20 10:58	1
Aroclor-1262	ND		2800		ug/Kg		03/17/20 14:31	03/19/20 10:58	1
Aroclor-1268	ND		2800		ug/Kg		03/17/20 14:31	03/19/20 10:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*79*		*24 - 168*	*03/17/20 14:31*	*03/19/20 10:58*	*1*
Tetrachloro-m-xylene (Surr)	*88*		*25 - 145*	*03/17/20 14:31*	*03/19/20 10:58*	*1*

Client Sample ID: 031320-D-P2
Date Collected: 03/13/20 10:05
Date Received: 03/16/20 14:20

Lab Sample ID: 570-23582-2
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		5600		ug/Kg		03/17/20 14:31	03/19/20 11:16	1
Aroclor-1221	ND		5600		ug/Kg		03/17/20 14:31	03/19/20 11:16	1
Aroclor-1232	ND		5600		ug/Kg		03/17/20 14:31	03/19/20 11:16	1
Aroclor-1242	ND		5600		ug/Kg		03/17/20 14:31	03/19/20 11:16	1
Aroclor-1248	ND		5600		ug/Kg		03/17/20 14:31	03/19/20 11:16	1
Aroclor-1254	**15000**		5600		ug/Kg		03/17/20 14:31	03/19/20 11:16	1
Aroclor-1260	ND		5600		ug/Kg		03/17/20 14:31	03/19/20 11:16	1
Aroclor-1262	ND		5600		ug/Kg		03/17/20 14:31	03/19/20 11:16	1
Aroclor-1268	ND		5600		ug/Kg		03/17/20 14:31	03/19/20 11:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*80*		*24 - 168*	*03/17/20 14:31*	*03/19/20 11:16*	*1*
Tetrachloro-m-xylene (Surr)	*97*		*25 - 145*	*03/17/20 14:31*	*03/19/20 11:16*	*1*

Client Sample ID: 031320-D-P3
Date Collected: 03/13/20 10:15
Date Received: 03/16/20 14:20

Lab Sample ID: 570-23582-3
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		4800		ug/Kg		03/17/20 14:31	03/19/20 11:34	1
Aroclor-1221	ND		4800		ug/Kg		03/17/20 14:31	03/19/20 11:34	1
Aroclor-1232	ND		4800		ug/Kg		03/17/20 14:31	03/19/20 11:34	1
Aroclor-1242	ND		4800		ug/Kg		03/17/20 14:31	03/19/20 11:34	1
Aroclor-1248	ND		4800		ug/Kg		03/17/20 14:31	03/19/20 11:34	1
Aroclor-1254	**11000**		4800		ug/Kg		03/17/20 14:31	03/19/20 11:34	1
Aroclor-1260	ND		4800		ug/Kg		03/17/20 14:31	03/19/20 11:34	1
Aroclor-1262	ND		4800		ug/Kg		03/17/20 14:31	03/19/20 11:34	1
Aroclor-1268	ND		4800		ug/Kg		03/17/20 14:31	03/19/20 11:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*83*		*24 - 168*	*03/17/20 14:31*	*03/19/20 11:34*	*1*
Tetrachloro-m-xylene (Surr)	*100*		*25 - 145*	*03/17/20 14:31*	*03/19/20 11:34*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: 031320-D-P4
Date Collected: 03/13/20 10:20
Date Received: 03/16/20 14:20

Lab Sample ID: 570-23582-4
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		3300		ug/Kg		03/17/20 14:31	03/19/20 11:52	1
Aroclor-1221	ND		3300		ug/Kg		03/17/20 14:31	03/19/20 11:52	1
Aroclor-1232	ND		3300		ug/Kg		03/17/20 14:31	03/19/20 11:52	1
Aroclor-1242	ND		3300		ug/Kg		03/17/20 14:31	03/19/20 11:52	1
Aroclor-1248	ND		3300		ug/Kg		03/17/20 14:31	03/19/20 11:52	1
Aroclor-1254	**10000**		3300		ug/Kg		03/17/20 14:31	03/19/20 11:52	1
Aroclor-1260	ND		3300		ug/Kg		03/17/20 14:31	03/19/20 11:52	1
Aroclor-1262	ND		3300		ug/Kg		03/17/20 14:31	03/19/20 11:52	1
Aroclor-1268	ND		3300		ug/Kg		03/17/20 14:31	03/19/20 11:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*83*		*24 - 168*	*03/17/20 14:31*	*03/19/20 11:52*	*1*
Tetrachloro-m-xylene (Surr)	*99*		*25 - 145*	*03/17/20 14:31*	*03/19/20 11:52*	*1*

Client Sample ID: 031320-D-P5
Date Collected: 03/13/20 10:25
Date Received: 03/16/20 14:20

Lab Sample ID: 570-23582-5
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		3700		ug/Kg		03/17/20 14:31	03/19/20 12:10	1
Aroclor-1221	ND		3700		ug/Kg		03/17/20 14:31	03/19/20 12:10	1
Aroclor-1232	ND		3700		ug/Kg		03/17/20 14:31	03/19/20 12:10	1
Aroclor-1242	ND		3700		ug/Kg		03/17/20 14:31	03/19/20 12:10	1
Aroclor-1248	ND		3700		ug/Kg		03/17/20 14:31	03/19/20 12:10	1
Aroclor-1254	**15000**		3700		ug/Kg		03/17/20 14:31	03/19/20 12:10	1
Aroclor-1260	ND		3700		ug/Kg		03/17/20 14:31	03/19/20 12:10	1
Aroclor-1262	ND		3700		ug/Kg		03/17/20 14:31	03/19/20 12:10	1
Aroclor-1268	ND		3700		ug/Kg		03/17/20 14:31	03/19/20 12:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*79*		*24 - 168*	*03/17/20 14:31*	*03/19/20 12:10*	*1*
Tetrachloro-m-xylene (Surr)	*89*		*25 - 145*	*03/17/20 14:31*	*03/19/20 12:10*	*1*

Client Sample ID: 031320-D-P6
Date Collected: 03/13/20 10:35
Date Received: 03/16/20 14:20

Lab Sample ID: 570-23582-6
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		7100		ug/Kg		03/17/20 14:31	03/19/20 12:28	1
Aroclor-1221	ND		7100		ug/Kg		03/17/20 14:31	03/19/20 12:28	1
Aroclor-1232	ND		7100		ug/Kg		03/17/20 14:31	03/19/20 12:28	1
Aroclor-1242	ND		7100		ug/Kg		03/17/20 14:31	03/19/20 12:28	1
Aroclor-1248	ND		7100		ug/Kg		03/17/20 14:31	03/19/20 12:28	1
Aroclor-1254	**13000**		7100		ug/Kg		03/17/20 14:31	03/19/20 12:28	1
Aroclor-1260	ND		7100		ug/Kg		03/17/20 14:31	03/19/20 12:28	1
Aroclor-1262	ND		7100		ug/Kg		03/17/20 14:31	03/19/20 12:28	1
Aroclor-1268	ND		7100		ug/Kg		03/17/20 14:31	03/19/20 12:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*82*		*24 - 168*	*03/17/20 14:31*	*03/19/20 12:28*	*1*
Tetrachloro-m-xylene (Surr)	*96*		*25 - 145*	*03/17/20 14:31*	*03/19/20 12:28*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: 031320-D-P7
Date Collected: 03/13/20 10:40
Date Received: 03/16/20 14:20

Lab Sample ID: 570-23582-7
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		8300		ug/Kg		03/17/20 14:31	03/19/20 12:46	1
Aroclor-1221	ND		8300		ug/Kg		03/17/20 14:31	03/19/20 12:46	1
Aroclor-1232	ND		8300		ug/Kg		03/17/20 14:31	03/19/20 12:46	1
Aroclor-1242	ND		8300		ug/Kg		03/17/20 14:31	03/19/20 12:46	1
Aroclor-1248	ND		8300		ug/Kg		03/17/20 14:31	03/19/20 12:46	1
Aroclor-1254	ND		8300		ug/Kg		03/17/20 14:31	03/19/20 12:46	1
Aroclor-1260	ND		8300		ug/Kg		03/17/20 14:31	03/19/20 12:46	1
Aroclor-1262	ND		8300		ug/Kg		03/17/20 14:31	03/19/20 12:46	1
Aroclor-1268	ND		8300		ug/Kg		03/17/20 14:31	03/19/20 12:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*78*		*24 - 168*	*03/17/20 14:31*	*03/19/20 12:46*	*1*
Tetrachloro-m-xylene (Surr)	*92*		*25 - 145*	*03/17/20 14:31*	*03/19/20 12:46*	*1*

Client Sample ID: 031320-D-P8
Date Collected: 03/13/20 10:45
Date Received: 03/16/20 14:20

Lab Sample ID: 570-23582-8
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		2200		ug/Kg		03/17/20 14:31	03/19/20 13:04	1
Aroclor-1221	ND		2200		ug/Kg		03/17/20 14:31	03/19/20 13:04	1
Aroclor-1232	ND		2200		ug/Kg		03/17/20 14:31	03/19/20 13:04	1
Aroclor-1242	ND		2200		ug/Kg		03/17/20 14:31	03/19/20 13:04	1
Aroclor-1248	ND		2200		ug/Kg		03/17/20 14:31	03/19/20 13:04	1
Aroclor-1254	ND		2200		ug/Kg		03/17/20 14:31	03/19/20 13:04	1
Aroclor-1260	ND		2200		ug/Kg		03/17/20 14:31	03/19/20 13:04	1
Aroclor-1262	ND		2200		ug/Kg		03/17/20 14:31	03/19/20 13:04	1
Aroclor-1268	ND		2200		ug/Kg		03/17/20 14:31	03/19/20 13:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*84*		*24 - 168*	*03/17/20 14:31*	*03/19/20 13:04*	*1*
Tetrachloro-m-xylene (Surr)	*97*		*25 - 145*	*03/17/20 14:31*	*03/19/20 13:04*	*1*

Client Sample ID: 031320-D-P9
Date Collected: 03/13/20 10:55
Date Received: 03/16/20 14:20

Lab Sample ID: 570-23582-9
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		1100		ug/Kg		03/17/20 14:31	03/19/20 13:22	1
Aroclor-1221	ND		1100		ug/Kg		03/17/20 14:31	03/19/20 13:22	1
Aroclor-1232	ND		1100		ug/Kg		03/17/20 14:31	03/19/20 13:22	1
Aroclor-1242	ND		1100		ug/Kg		03/17/20 14:31	03/19/20 13:22	1
Aroclor-1248	ND		1100		ug/Kg		03/17/20 14:31	03/19/20 13:22	1
Aroclor-1254	ND		1100		ug/Kg		03/17/20 14:31	03/19/20 13:22	1
Aroclor-1260	ND		1100		ug/Kg		03/17/20 14:31	03/19/20 13:22	1
Aroclor-1262	ND		1100		ug/Kg		03/17/20 14:31	03/19/20 13:22	1
Aroclor-1268	ND		1100		ug/Kg		03/17/20 14:31	03/19/20 13:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*78*		*24 - 168*	*03/17/20 14:31*	*03/19/20 13:22*	*1*
Tetrachloro-m-xylene (Surr)	*90*		*25 - 145*	*03/17/20 14:31*	*03/19/20 13:22*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: 031320-D-P10
Date Collected: 03/13/20 11:10
Date Received: 03/16/20 14:20
Lab Sample ID: 570-23582-10
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		2900		ug/Kg		03/17/20 14:31	03/19/20 13:40	1
Aroclor-1221	ND		2900		ug/Kg		03/17/20 14:31	03/19/20 13:40	1
Aroclor-1232	ND		2900		ug/Kg		03/17/20 14:31	03/19/20 13:40	1
Aroclor-1242	ND		2900		ug/Kg		03/17/20 14:31	03/19/20 13:40	1
Aroclor-1248	ND		2900		ug/Kg		03/17/20 14:31	03/19/20 13:40	1
Aroclor-1254	**38000**		2900		ug/Kg		03/17/20 14:31	03/19/20 13:40	1
Aroclor-1260	ND		2900		ug/Kg		03/17/20 14:31	03/19/20 13:40	1
Aroclor-1262	ND		2900		ug/Kg		03/17/20 14:31	03/19/20 13:40	1
Aroclor-1268	ND		2900		ug/Kg		03/17/20 14:31	03/19/20 13:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*86*		*24 - 168*	*03/17/20 14:31*	*03/19/20 13:40*	*1*
Tetrachloro-m-xylene (Surr)	*105*		*25 - 145*	*03/17/20 14:31*	*03/19/20 13:40*	*1*

Client Sample ID: 031320-D-P11
Date Collected: 03/13/20 11:15
Date Received: 03/16/20 14:20
Lab Sample ID: 570-23582-11
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		6700		ug/Kg		03/17/20 14:31	03/19/20 13:58	1
Aroclor-1221	ND		6700		ug/Kg		03/17/20 14:31	03/19/20 13:58	1
Aroclor-1232	ND		6700		ug/Kg		03/17/20 14:31	03/19/20 13:58	1
Aroclor-1242	ND		6700		ug/Kg		03/17/20 14:31	03/19/20 13:58	1
Aroclor-1248	ND		6700		ug/Kg		03/17/20 14:31	03/19/20 13:58	1
Aroclor-1254	**12000**		6700		ug/Kg		03/17/20 14:31	03/19/20 13:58	1
Aroclor-1260	ND		6700		ug/Kg		03/17/20 14:31	03/19/20 13:58	1
Aroclor-1262	ND		6700		ug/Kg		03/17/20 14:31	03/19/20 13:58	1
Aroclor-1268	ND		6700		ug/Kg		03/17/20 14:31	03/19/20 13:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*84*		*24 - 168*	*03/17/20 14:31*	*03/19/20 13:58*	*1*
Tetrachloro-m-xylene (Surr)	*103*		*25 - 145*	*03/17/20 14:31*	*03/19/20 13:58*	*1*

Client Sample ID: 031320-D-P12
Date Collected: 03/13/20 11:20
Date Received: 03/16/20 14:20
Lab Sample ID: 570-23582-12
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		7100		ug/Kg		03/17/20 14:31	03/19/20 14:16	1
Aroclor-1221	ND		7100		ug/Kg		03/17/20 14:31	03/19/20 14:16	1
Aroclor-1232	ND		7100		ug/Kg		03/17/20 14:31	03/19/20 14:16	1
Aroclor-1242	ND		7100		ug/Kg		03/17/20 14:31	03/19/20 14:16	1
Aroclor-1248	ND		7100		ug/Kg		03/17/20 14:31	03/19/20 14:16	1
Aroclor-1254	**11000**		7100		ug/Kg		03/17/20 14:31	03/19/20 14:16	1
Aroclor-1260	ND		7100		ug/Kg		03/17/20 14:31	03/19/20 14:16	1
Aroclor-1262	ND		7100		ug/Kg		03/17/20 14:31	03/19/20 14:16	1
Aroclor-1268	ND		7100		ug/Kg		03/17/20 14:31	03/19/20 14:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*78*		*24 - 168*	*03/17/20 14:31*	*03/19/20 14:16*	*1*
Tetrachloro-m-xylene (Surr)	*97*		*25 - 145*	*03/17/20 14:31*	*03/19/20 14:16*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: 031320-D-P13
Date Collected: 03/13/20 11:30
Date Received: 03/16/20 14:20

Lab Sample ID: 570-23582-13
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		5300		ug/Kg		03/17/20 14:31	03/19/20 14:33	1
Aroclor-1221	ND		5300		ug/Kg		03/17/20 14:31	03/19/20 14:33	1
Aroclor-1232	ND		5300		ug/Kg		03/17/20 14:31	03/19/20 14:33	1
Aroclor-1242	ND		5300		ug/Kg		03/17/20 14:31	03/19/20 14:33	1
Aroclor-1248	ND		5300		ug/Kg		03/17/20 14:31	03/19/20 14:33	1
Aroclor-1254	ND		5300		ug/Kg		03/17/20 14:31	03/19/20 14:33	1
Aroclor-1260	ND		5300		ug/Kg		03/17/20 14:31	03/19/20 14:33	1
Aroclor-1262	ND		5300		ug/Kg		03/17/20 14:31	03/19/20 14:33	1
Aroclor-1268	ND		5300		ug/Kg		03/17/20 14:31	03/19/20 14:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*79*		*24 - 168*	*03/17/20 14:31*	*03/19/20 14:33*	*1*
Tetrachloro-m-xylene (Surr)	*95*		*25 - 145*	*03/17/20 14:31*	*03/19/20 14:33*	*1*

Client Sample ID: 031320-D-P14
Date Collected: 03/13/20 11:40
Date Received: 03/16/20 14:20

Lab Sample ID: 570-23582-14
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		1300		ug/Kg		03/17/20 14:31	03/19/20 14:51	1
Aroclor-1221	ND		1300		ug/Kg		03/17/20 14:31	03/19/20 14:51	1
Aroclor-1232	ND		1300		ug/Kg		03/17/20 14:31	03/19/20 14:51	1
Aroclor-1242	ND		1300		ug/Kg		03/17/20 14:31	03/19/20 14:51	1
Aroclor-1248	ND		1300		ug/Kg		03/17/20 14:31	03/19/20 14:51	1
Aroclor-1254	**2800**		1300		ug/Kg		03/17/20 14:31	03/19/20 14:51	1
Aroclor-1260	ND		1300		ug/Kg		03/17/20 14:31	03/19/20 14:51	1
Aroclor-1262	ND		1300		ug/Kg		03/17/20 14:31	03/19/20 14:51	1
Aroclor-1268	ND		1300		ug/Kg		03/17/20 14:31	03/19/20 14:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*85*		*24 - 168*	*03/17/20 14:31*	*03/19/20 14:51*	*1*
Tetrachloro-m-xylene (Surr)	*103*		*25 - 145*	*03/17/20 14:31*	*03/19/20 14:51*	*1*

Surrogate Summary

Client: Alta Environmental LP
Project/Site: MMHS Bldg D - Paint PCBs

Job ID: 570-23582-1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
		DCB1	TCX1
Lab Sample ID	Client Sample ID	(24-168)	(25-145)
570-23582-1	031320-D-P1	79	88
570-23582-2	031320-D-P2	80	97
570-23582-3	031320-D-P3	83	100
570-23582-4	031320-D-P4	83	99
570-23582-5	031320-D-P5	79	89
570-23582-6	031320-D-P6	82	96
570-23582-7	031320-D-P7	78	92
570-23582-8	031320-D-P8	84	97
570-23582-9	031320-D-P9	78	90
570-23582-10	031320-D-P10	86	105
570-23582-11	031320-D-P11	84	103
570-23582-12	031320-D-P12	78	97
570-23582-13	031320-D-P13	79	95
570-23582-14	031320-D-P14	85	103
LCS 570-57836/2-A	Lab Control Sample	80	96
LCSD 570-57836/3-A	Lab Control Sample Dup	84	98
MB 570-57836/1-A	Method Blank	81	96

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)
TCX = Tetrachloro-m-xylene (Surr)

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 570-57836/1-A
Matrix: Solid
Analysis Batch: 58280

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 57836

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		03/17/20 14:31	03/19/20 10:05	1
Aroclor-1221	ND		50		ug/Kg		03/17/20 14:31	03/19/20 10:05	1
Aroclor-1232	ND		50		ug/Kg		03/17/20 14:31	03/19/20 10:05	1
Aroclor-1242	ND		50		ug/Kg		03/17/20 14:31	03/19/20 10:05	1
Aroclor-1248	ND		50		ug/Kg		03/17/20 14:31	03/19/20 10:05	1
Aroclor-1254	ND		50		ug/Kg		03/17/20 14:31	03/19/20 10:05	1
Aroclor-1260	ND		50		ug/Kg		03/17/20 14:31	03/19/20 10:05	1
Aroclor-1262	ND		50		ug/Kg		03/17/20 14:31	03/19/20 10:05	1
Aroclor-1268	ND		50		ug/Kg		03/17/20 14:31	03/19/20 10:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*81*		*24 - 168*	*03/17/20 14:31*	*03/19/20 10:05*	*1*
Tetrachloro-m-xylene (Surr)	*96*		*25 - 145*	*03/17/20 14:31*	*03/19/20 10:05*	*1*

Lab Sample ID: LCS 570-57836/2-A
Matrix: Solid
Analysis Batch: 58280

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 57836

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Aroclor-1016			100	101.3		ug/Kg		101	50 - 135		
Aroclor-1260			100	94.46		ug/Kg		94	50 - 135		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*80*		*24 - 168*
Tetrachloro-m-xylene (Surr)	*96*		*25 - 145*

Lab Sample ID: LCSD 570-57836/3-A
Matrix: Solid
Analysis Batch: 58280

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 57836

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor-1016			100	105.1		ug/Kg		105	50 - 135	4	20
Aroclor-1260			100	96.91		ug/Kg		97	50 - 135	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*84*		*24 - 168*
Tetrachloro-m-xylene (Surr)	*98*		*25 - 145*

QC Association Summary

Client: Alta Environmental LP
Project/Site: MMHS Bldg D - Paint PCBs

Job ID: 570-23582-1

GC Semi VOA

Prep Batch: 57836

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-23582-1	031320-D-P1	Total/NA	Solid	3540C	
570-23582-2	031320-D-P2	Total/NA	Solid	3540C	
570-23582-3	031320-D-P3	Total/NA	Solid	3540C	
570-23582-4	031320-D-P4	Total/NA	Solid	3540C	
570-23582-5	031320-D-P5	Total/NA	Solid	3540C	
570-23582-6	031320-D-P6	Total/NA	Solid	3540C	
570-23582-7	031320-D-P7	Total/NA	Solid	3540C	
570-23582-8	031320-D-P8	Total/NA	Solid	3540C	
570-23582-9	031320-D-P9	Total/NA	Solid	3540C	
570-23582-10	031320-D-P10	Total/NA	Solid	3540C	
570-23582-11	031320-D-P11	Total/NA	Solid	3540C	
570-23582-12	031320-D-P12	Total/NA	Solid	3540C	
570-23582-13	031320-D-P13	Total/NA	Solid	3540C	
570-23582-14	031320-D-P14	Total/NA	Solid	3540C	
MB 570-57836/1-A	Method Blank	Total/NA	Solid	3540C	
LCS 570-57836/2-A	Lab Control Sample	Total/NA	Solid	3540C	
LCSD 570-57836/3-A	Lab Control Sample Dup	Total/NA	Solid	3540C	

Analysis Batch: 58280

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-23582-1	031320-D-P1	Total/NA	Solid	8082	57836
570-23582-2	031320-D-P2	Total/NA	Solid	8082	57836
570-23582-3	031320-D-P3	Total/NA	Solid	8082	57836
570-23582-4	031320-D-P4	Total/NA	Solid	8082	57836
570-23582-5	031320-D-P5	Total/NA	Solid	8082	57836
570-23582-6	031320-D-P6	Total/NA	Solid	8082	57836
570-23582-7	031320-D-P7	Total/NA	Solid	8082	57836
570-23582-8	031320-D-P8	Total/NA	Solid	8082	57836
570-23582-9	031320-D-P9	Total/NA	Solid	8082	57836
570-23582-10	031320-D-P10	Total/NA	Solid	8082	57836
570-23582-11	031320-D-P11	Total/NA	Solid	8082	57836
570-23582-12	031320-D-P12	Total/NA	Solid	8082	57836
570-23582-13	031320-D-P13	Total/NA	Solid	8082	57836
570-23582-14	031320-D-P14	Total/NA	Solid	8082	57836
MB 570-57836/1-A	Method Blank	Total/NA	Solid	8082	57836
LCS 570-57836/2-A	Lab Control Sample	Total/NA	Solid	8082	57836
LCSD 570-57836/3-A	Lab Control Sample Dup	Total/NA	Solid	8082	57836

Lab Chronicle

Client: Alta Environmental LP
Project/Site: MMHS Bldg D - Paint PCBs

Job ID: 570-23582-1

Client Sample ID: 031320-D-P1
Date Collected: 03/13/20 10:00
Date Received: 03/16/20 14:20

Lab Sample ID: 570-23582-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			.36 g	10 mL	57836	03/17/20 14:31	F7UI	ECL 1
Total/NA	Analysis	8082		1			58280	03/19/20 10:58	UHHN	ECL 1
	Instrument ID: GC58									

Client Sample ID: 031320-D-P2
Date Collected: 03/13/20 10:05
Date Received: 03/16/20 14:20

Lab Sample ID: 570-23582-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			.18 g	10 mL	57836	03/17/20 14:31	F7UI	ECL 1
Total/NA	Analysis	8082		1			58280	03/19/20 11:16	UHHN	ECL 1
	Instrument ID: GC58									

Client Sample ID: 031320-D-P3
Date Collected: 03/13/20 10:15
Date Received: 03/16/20 14:20

Lab Sample ID: 570-23582-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			.21 g	10 mL	57836	03/17/20 14:31	F7UI	ECL 1
Total/NA	Analysis	8082		1			58280	03/19/20 11:34	UHHN	ECL 1
	Instrument ID: GC58									

Client Sample ID: 031320-D-P4
Date Collected: 03/13/20 10:20
Date Received: 03/16/20 14:20

Lab Sample ID: 570-23582-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			.30 g	10 mL	57836	03/17/20 14:31	F7UI	ECL 1
Total/NA	Analysis	8082		1			58280	03/19/20 11:52	UHHN	ECL 1
	Instrument ID: GC58									

Client Sample ID: 031320-D-P5
Date Collected: 03/13/20 10:25
Date Received: 03/16/20 14:20

Lab Sample ID: 570-23582-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			.27 g	10 mL	57836	03/17/20 14:31	F7UI	ECL 1
Total/NA	Analysis	8082		1			58280	03/19/20 12:10	UHHN	ECL 1
	Instrument ID: GC58									

Lab Chronicle

Client: Alta Environmental LP
Project/Site: MMHS Bldg D - Paint PCBs

Job ID: 570-23582-1

Client Sample ID: 031320-D-P6
Date Collected: 03/13/20 10:35
Date Received: 03/16/20 14:20

Lab Sample ID: 570-23582-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			.14 g	10 mL	57836	03/17/20 14:31	F7UI	ECL 1
Total/NA	Analysis	8082		1			58280	03/19/20 12:28	UHHN	ECL 1
	Instrument ID: GC58									

Client Sample ID: 031320-D-P7
Date Collected: 03/13/20 10:40
Date Received: 03/16/20 14:20

Lab Sample ID: 570-23582-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			.12 g	10 mL	57836	03/17/20 14:31	F7UI	ECL 1
Total/NA	Analysis	8082		1			58280	03/19/20 12:46	UHHN	ECL 1
	Instrument ID: GC58									

Client Sample ID: 031320-D-P8
Date Collected: 03/13/20 10:45
Date Received: 03/16/20 14:20

Lab Sample ID: 570-23582-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			.46 g	10 mL	57836	03/17/20 14:31	F7UI	ECL 1
Total/NA	Analysis	8082		1			58280	03/19/20 13:04	UHHN	ECL 1
	Instrument ID: GC58									

Client Sample ID: 031320-D-P9
Date Collected: 03/13/20 10:55
Date Received: 03/16/20 14:20

Lab Sample ID: 570-23582-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			.92 g	10 mL	57836	03/17/20 14:31	F7UI	ECL 1
Total/NA	Analysis	8082		1			58280	03/19/20 13:22	UHHN	ECL 1
	Instrument ID: GC58									

Client Sample ID: 031320-D-P10
Date Collected: 03/13/20 11:10
Date Received: 03/16/20 14:20

Lab Sample ID: 570-23582-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			.34 g	10 mL	57836	03/17/20 14:31	F7UI	ECL 1
Total/NA	Analysis	8082		1			58280	03/19/20 13:40	UHHN	ECL 1
	Instrument ID: GC58									

Lab Chronicle

Client: Alta Environmental LP
Project/Site: MMHS Bldg D - Paint PCBs

Job ID: 570-23582-1

Client Sample ID: 031320-D-P11

Date Collected: 03/13/20 11:15
Date Received: 03/16/20 14:20

Lab Sample ID: 570-23582-11

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			.15 g	10 mL	57836	03/17/20 14:31	F7UI	ECL 1
Total/NA	Analysis	8082		1			58280	03/19/20 13:58	UHHN	ECL 1
	Instrument ID: GC58									

Client Sample ID: 031320-D-P12

Date Collected: 03/13/20 11:20
Date Received: 03/16/20 14:20

Lab Sample ID: 570-23582-12

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			.14 g	10 mL	57836	03/17/20 14:31	F7UI	ECL 1
Total/NA	Analysis	8082		1			58280	03/19/20 14:16	UHHN	ECL 1
	Instrument ID: GC58									

Client Sample ID: 031320-D-P13

Date Collected: 03/13/20 11:30
Date Received: 03/16/20 14:20

Lab Sample ID: 570-23582-13

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			.19 g	10 mL	57836	03/17/20 14:31	F7UI	ECL 1
Total/NA	Analysis	8082		1			58280	03/19/20 14:33	UHHN	ECL 1
	Instrument ID: GC58									

Client Sample ID: 031320-D-P14

Date Collected: 03/13/20 11:40
Date Received: 03/16/20 14:20

Lab Sample ID: 570-23582-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			.76 g	10 mL	57836	03/17/20 14:31	F7UI	ECL 1
Total/NA	Analysis	8082		1			58280	03/19/20 14:51	UHHN	ECL 1
	Instrument ID: GC58									

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

Accreditation/Certification Summary

Client: Alta Environmental LP
Job ID: 570-23582-1
Project/Site: MMHS Bldg D - Paint PCBs

Laboratory: Eurofins Calscience LLC

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	State	2944	09-29-20

Method Summary

Client: Alta Environmental LP
Project/Site: MMHS Bldg D - Paint PCBs

Job ID: 570-23582-1

Method	Method Description	Protocol	Laboratory
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	ECL 1
3540C	Soxhlet Extraction	SW846	ECL 1

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

Sample Summary

Client: Alta Environmental LP
Project/Site: MMHS Bldg D - Paint PCBs

Job ID: 570-23582-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-23582-1	031320-D-P1	Solid	03/13/20 10:00	03/16/20 14:20	
570-23582-2	031320-D-P2	Solid	03/13/20 10:05	03/16/20 14:20	
570-23582-3	031320-D-P3	Solid	03/13/20 10:15	03/16/20 14:20	
570-23582-4	031320-D-P4	Solid	03/13/20 10:20	03/16/20 14:20	
570-23582-5	031320-D-P5	Solid	03/13/20 10:25	03/16/20 14:20	
570-23582-6	031320-D-P6	Solid	03/13/20 10:35	03/16/20 14:20	
570-23582-7	031320-D-P7	Solid	03/13/20 10:40	03/16/20 14:20	
570-23582-8	031320-D-P8	Solid	03/13/20 10:45	03/16/20 14:20	
570-23582-9	031320-D-P9	Solid	03/13/20 10:55	03/16/20 14:20	
570-23582-10	031320-D-P10	Solid	03/13/20 11:10	03/16/20 14:20	
570-23582-11	031320-D-P11	Solid	03/13/20 11:15	03/16/20 14:20	
570-23582-12	031320-D-P12	Solid	03/13/20 11:20	03/16/20 14:20	
570-23582-13	031320-D-P13	Solid	03/13/20 11:30	03/16/20 14:20	
570-23582-14	031320-D-P14	Solid	03/13/20 11:40	03/16/20 14:20	

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570-23582 Chain of Custody

23582
CHAIN OF CUSTODY RECORD

DATE: 03/13/20

PAGE: 1 OF 2

LABORATORY CLIENT: Alta Environmental

ADDRESS: 3777 Long Beach Blvd, Annex Bldg

CITY: Long Beach STATE: CA ZIP: 90807

TEL: 562-495-5777 E-MAIL: Jonathan.Barkman@altaenviron.com

CLIENT PROJECT NAME / NUMBER: MMHS Bldg D - Paint PCBs

P.O. NO.: SMSD-19-8997

PROJECT CONTACT: Jonathan Barkman

SAMPLER(S): (PRINT) JEB

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☒ 72 HR ☐ 5 DAYS ☐ STANDARD

☐ COELT EDF GLOBAL ID: LOG CODE:

SPECIAL INSTRUCTIONS:
Soxhlet Extraction for all samples

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	☐ TPH(g) ☐ GRO	☐ TPH(d) ☐ DRO	TPH ☐ C6-C36 ☐ C6-C44	TPH ____	BTEX / MTBE ☐ 8260 ☐ ____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☐ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6				
	031320-D-P1	3/13/2020	1000	Solid	1														X						
	031320-D-P2	3/13/2020	1005	Solid	1														X						
	031320-D-P3	3/13/2020	1015	Solid	1														X						
	031320-D-P4	3/13/2020	1020	Solid	1														X						
	031320-D-P5	3/13/2020	1025	Solid	1														X						
	031320-D-P6	3/13/2020	1035	Solid	1														X						
	031320-D-P7	3/13/2020	1040	Solid	1														X						
	031320-D-P8	3/13/2020	1045	Solid	1														X						
	031320-D-P9	3/13/2020	1055	Solid	1														X						
	031320-D-P10	3/13/2020	1110	Solid	1														X						

Relinquished by: (Signature)	Received by: (Signature/Affiliation) EC	Date: 3/16/2020	Time: 1328
Relinquished by: (Signature) Rudy M	Received by: (Signature/Affiliation) ECI	Date: 3-16-2020	Time: 14:20
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

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CHAIN OF CUSTODY RECORD

WO # / LAB USE ONLY:

DATE: 03/13/20

PAGE: 2 OF 2

LABORATORY CLIENT: Alta Environmental	CLIENT PROJECT NAME / NUMBER: MMHS Bldg D - Paint PCBs
ADDRESS: 3777 Long Beach Blvd, Annex Bldg	P.O. NO.: SMSD-19-8997
CITY: Long Beach STATE: CA ZIP: 90807	PROJECT CONTACT: Jonathan Barkman
TEL: 562-495-5777 E-MAIL: Jonathan.Barkman@altaenviron.com	SAMPLER(S): (PRINT) JEB

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☒ 72 HR ☐ 5 DAYS ☐ STANDARD

☐ COELT EDF GLOBAL ID: LOG CODE:

SPECIAL INSTRUCTIONS:
Soxhlet Extraction for all samples

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	☐ TPH(g) ☐ GRO	☐ TPH(d) ☐ DRO	TPH ☐ C6-C36 ☐ C6-C44	TPH ____	BTEX / MTBE ☐ 8260 ☐ ____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☐ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6
	031320-D-P11	3/13/2020	1115	Solid	1														X			
	031320-D-P12	3/13/2020	1120	Solid	1														X			
	031320-D-P13	3/13/2020	1130	Solid	1														X			
	031320-D-P14	3/13/2020	1140	Solid	1														X			

Relinquished by: (Signature)	Received by: (Signature/Affiliation) EC	Date: 3/16/2020	Time: 1728
Relinquished by: (Signature)	Received by: (Signature/Affiliation) ECI	Date: 3-16-2020	Time: 14:20
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

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3/19/2020

Login Sample Receipt Checklist

Client: Alta Environmental LP

Job Number: 570-23582-1

Login Number: 23582
List Number: 1
Creator: Cortez Diaz, Antonio

List Source: Eurofins Calscience

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	