PCB DELINEATION AND SOURCE BULK SAMPLING REPORT

Malibu High School
Building D
30215 Morning View Drive
Malibu, California 90265

Prepared for:

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

Project No.: SMSD-17-7239
Reported Date: May 1, 2018 (Final)

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EXECUTIVE SUMMARY

On behalf of the Santa Monica-Malibu Unified School District (District), Alta Environmental (Alta) has prepared this report summarizing the delineation and bulk sampling activities completed in Building D at Malibu High School located at 30215 Morning View Drive, Malibu, California 90265. The delineation and bulk sampling activities were conducted to determine the potential presence of polychlorinated biphenyl compounds (PCBs) in door caulking, window caulking, vent caulking and vinyl floor tile and mastic in order to characterize the materials for off-site waste disposal in areas affected by the DSA approved drawings.

Based on the delineation and source sampling results and in consultation with the SMMUSD, the sampled building materials are categorized as follows:

1. PCB Bulk Product Waste
    1. Window caulking and approximately 84 inches of surrounding interior brick and a minimum of 6 inches of exterior brick, Storefront window, first floor Room 120 (Teachers' Lounge),
    2. Exterior vent (louver) caulking and approximately 12 inches of surrounding interior and exterior brick, all exterior 2'.6" x 8'x6" lower vents associated with air conditioning units in Rooms 103, 203, 205, 206,207, 208, 209, 210, 212, and west elevation above teacher lounge, south most vent,
    3. 9" beige floor tile and black mastic, Rooms 120, 101A, 101B (all under carpet)
    4. 12" light grey speckled floor tile with yellow glue, copy room, conference room, Rooms 113, 101C, 102B, 101A, 101B, 103, 103A, 103B, 106A, 106B and 1st floor storage closets in all rooms,
    5. 12" light blue floor tile and yellow glue, rooms 200, 201, 202, North hallway, Classrooms 203 thru 212, 104A, 104B, 102A, 102, 105 and 2nd floor all storage room closets
2. Excluded PCB Product
    1. All interior and exterior door caulking,
    2. All exterior window caulking,
    3. Adhesive for carpet; Rooms 120, 101A, 101B
    4. 4" brown cove base and glue; Room 120,
    5. 4" grey cove base and glue; Rooms 113, copy room, 101C, 102B, 103, 2nd floor all rooms,
    6. 4" blue cove base and glue; Rooms 101A, 101B, 106, 106A, 106B, 104, 202, 102, 204, thru 212,
    7. 1'x4.2" vent caulking, all exterior upper wall vents in all second-floor classrooms,
    8. 2'.6" x 8'x6" lower vents; Rooms 104, 211, west elevation above teachers lounge, center and north most vents, and
    9. Door vent caulking, 1st floor mechanical room, north vent

Removal of the PCB Bulk Product Waste should be conducted using proper engineering controls including, but not limited to, the following: Containment, worker training, worker protection etc. PCB waste should be characterized, packaged, labelled and disposed as required by TSCA 40 CFR 762 and California hazardous waste regulation set forth in Title 22, Division 4.5 of the California Code of Regulations

EXECUTIVE SUMMARY

Excluded PCB Product, is not regulated by the US Environmental Protection Agency (US EPA) under the Toxic Substances Control Act (TSCA).

Other building related regulated substances (lead and asbestos) were determined to be present at the subject locations and it is Alta's understanding that the demolition contractor will adhere to other regulatory requirements for handling and disposal of identified asbestos-containing materials and lead-based paints.

CONTENTS

REPORTED: May 1, 2018 (Final) **PROJECT NO.:** SMSD-17-7239

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

ATTENTION: Mr. Roger Banuelos

REF: PCB Delineation and Source Bulk Sampling Report
Building D
Malibu High School
30215 Morning View Drive, California 90265

1 INTRODUCTION/BACKGROUND

The United States Environmental Protection Agency (USEPA) believes that there was a potentially widespread use of PCB-containing building materials in schools and other buildings build or renovated between 1950 and 1979. Historically, PCBs were used as a primary source as a plasticizing agent in caulking and glazing materials, as additives to paints and floor finishes, as a sealant for heating systems and plumbing, and as insulators in ballast and other electrical equipment. The manufacture and use of PCBs were banned in the United States in 1976, and PCB compounds were phased out between 1978 and 1979.

Additionally, PCBs in manufactured materials may move directly into adjoining materials, particularly porous materials such as wood, concrete, and other types of masonry. In schools with manufactured PCB sources, many kinds of building material have been found to have measurable levels of PCBs and are potential secondary PCB sources.

Building D is a two-story classroom building of brick construction with interior plaster walls, vinyl floor tiles, built on a concrete slab foundation. Building D was constructed in 1963. The suspect sampled PCB components are described below:

- All exterior window appears to be replacement windows. The windows are of painted metal construction encased inside brick. Except for a large storefront window which is different. The storefront window is unpainted metal also encased inside brick,
- All interior and exterior doorframes appear to be replacement doorframes. All doorframes are identical of painted metal construction encased in both brick (exterior) and plaster (interior).
- There were two types of vents observed; a lower vent (2'.6"x8'x6"), and an upper vent (1'x4'.2") all vents are encased inside brick, and
- There were two types of vinyl floor tiles observed, a 9"x9" and 12"x12" (various colors) with yellow glue and black mastic

2 PURPOSE OF INSPECTION AND SAMPLING

Building materials included in this report were evaluated for PCBs only. A survey of asbestos-containing materials (ACM) and lead-based paint (LBP) has been completed for this building. The results and findings for ACM and LBP are included in a separate document.

The objective of the sampling was to obtain samples from a sufficient number of locations to

- Serve as a representative indication of the variety of potentially PCB-impacted materials

- Draw conclusions of the potential presence of PCB-impact materials
- Determine if a site-specific remediation work plan is required to address materials with ≥50 parts per million (ppm) PCBs prior to undertaking the demolition and disposal of building materials; and,
- Categorize each type of building material for off-site disposal related solely to its PCB content. In general, PCB-impacted materials can be sorted and classified into the following categories:
    - PCB Bulk Product Waste (≥ 50 ppm). According to Environmental Protection Agency (EPA) Memorandum, "PCB Bulk Product Waste Reinterpretation," dated October 24, 2012, building materials "coated or serviced" with PCB bulk product waste (e.g., caulk, paint, mastic, sealants) at the time of designation for disposal are to be managed as a PCB bulk product waste. The reinterpretation document allows for disposal of both PCB Bulk Product Waste and PCB Remediation Waste together as a single waste stream (PCB Bulk Product Waste).
    - Excluded PCB Product-all materials containing <50 ppm.

3 SCOPE OF SERVICES

The District retained Alta for the delineation and subsequent source bulk sampling (Alta proposal dated, September 15, 2017 and several additions).

The sampling was completed in accordance with the *USEPA Region I Standard Operation Procedures for Sampling Porous Surfaces for Polychlorinated Biphenyl* (USEPA 2011).

Alta collected source and delineation sampling of representative suspect PCB materials. The sampling was completed on several days, starting on October 3, 2017 thru February 26,2 018. The objective of the sampling was to determine if suspected PCBs may have migrated to adjacent porous materials.

- On October 3, 2107 Alta collected source bulk samples representative of door and window caulking,
- On October 12, 2017, Alta collected source bulk sampling of representative vinyl floor tiles,
- On February 6, and 26, 2017, Alta collected source bulk sampling representative of vent (louver) caulking, and
- On several days starting on October 25, 2017 thru December 26,2 017, Alta conducted delineation sampling around the storefront window located in the first floor Room 120 (teachers' lounge)

Alta's delineation and source bulk sampling were completed as follows:

- A one-inch drill, screwdriver, razor blade, chisel, or similar tool was used to collect the samples.
- A polyethylene drop-sheet was placed below the impacted area to capture any dust and debris which may have dislodged during the sample collection.
- Samples were labeled, packaged, and documented on a chain of custody for shipping to the laboratory.
- Samples were shipped to the laboratory in a chilled ice chest.
- Sampled areas were patched using a non-PCBs sealant. The patch area is temporary, intended only to provide a barrier to the exposed sampled substrates.
- Each sample location was documented using digital photographs.
- Equipment and tools were decontaminated using a two-step decontamination process. First, all used tools were cleaned using scrub brushes and detergent with de-ionized water base solution. Second, each piece was rinsed using de-ionized water. After the two-step decontamination procedures, the equipment was placed on top of clean paper towels (or equivalent material) and set to dry individually. Each piece of equipment was inspected by Alta for evidence of residual dust and debris.
- Waste was packaged on site inside one one-gallon bucket and labeled. After review of the sample results, it was determined that the waste was Excluded PCB Product.

4 METHODOLOGY

The Actual Detection Limit (DL) used by the laboratory for this project was 0.5 ppm. In some cases, the DL was raised above 0.5 ppm due to matrix interferences, but in those cases, the DL did not exceed ≥ 50 ppm, which is currently being used as approved by the USEPA to defined PCB Bulk Product Waste.

All samples were analyzed in accordance with EPA Method 8082A with Soxhlet Extraction US EPA Method 3540C for Aroclors.

5 RESULTS

Table 1.0 Summary of Collected Samples

Building D (1963 Construction)

Component Sampled	Total components to be removed/Location	Sample Description	Sample Numbers	Result (PPM)
Interior doors	102A, B, 104 A/B, 106A, 102B, 102A, 101C, 120, 113	Door caulking	01 (10/3/17) 02 (10/3/17) 03 (10/3/17)	3.75 ppm 2.34 ppm 3.71 ppm
Exterior doors	Exterior doors with window glass pane	Door caulking	04 (10/3/17) 05 (10/3/17) 06 (10/3/17)	Non-detected 6.98 ppm 2.78 ppm
Exterior window	Exterior window with glass pane	Window caulking	07 (10/3/17) 08 (10/3/17) 09 (10/3/17) 15 (10/3/17)	Non-detected Non-detected Non-detected 2.93 ppm
Exterior single door	All exterior single doors	Door caulking	10 (10/3/17) 11 (10/3/17) 12 (10/3/17) 1127-D2	4.74 ppm 2.53 ppm 1.5 ppm 3.77 ppm
Exterior window	All exterior windows	Window glazing	13 (10/3/17) 14 (10/3/17) 16 (10/3/17)	0.932 ppm 1.1 ppm Non-detected
Adhesive for carpet	120, 101A, 101B	Carpet glue	04 (10/12/17) 05 (10/12/17) 06 (10/12/17)	5.88 ppm 11.6 ppm 8.18 ppm
4” brown cove base and glue	120	4” brown cove base and glue	07 (10/12/17)	3.27 ppm

Table 1.0 Summary of Collected Samples (continue)				
Building D (1963 Construction)				
Component Sampled	**Total components to be removed/Location**	**Sample Description**	**Sample Numbers**	**Result (PPM)**
4" grey cove base with glue	113, copy room, 101C, 102B, 103, 2nd floor all rooms	4" grey cove base with glue	11 (10/12/17) 12 (10/12/17) 13 (10/12/17)	2.25 ppm 1.51 ppm 3.0 ppm
4" blue cove base and glue	101A, 101B, 106, 106A, 106B, 104, 202, 102, 204, thru 212	4" blue cove base and glue	14 (10/12/17) 15 (10/12/17) 16 (10/12/17)	2.71 ppm 2.34 ppm 2/17 ppm
1' x 4'.2" wall vent (upper vent)	All exterior upper wall vents in all second floor classrooms	Vent caulking	20618-FR1 20618-FR2 20618-FR3	6.91 ppm 5.01 ppm 7.03 ppm
2'.6" x 8'.6"	Rooms 104, 211, West elevation above teachers lounge, center and north most vents	Vent caulking	20618-FR4 20618-FR6 20618-FR7 22618-SF06 22618-SF07	16.2 ppm 5.66 ppm 4.69 ppm 7.24 ppm 2.51 ppm
Door vent	1st floor mechanical room	Door vent caulking	20618-FR14	33.5 ppm

Table 1.0 Summary of Collected Samples (continue)				
Building D (1963 Construction)				
Component Sampled	**Total components to be removed/Location**	**Sample Description**	**Sample Numbers**	**Result (PPM)**
Window caulking	One, West Storefront window	Delineation samples (Interior painted brick)	1025-1 (1”) 1025-2 (3”) 1025-3 (6”) 1102D09 (9”) 1102D12 (12”) 1127-D1 (18”) 1214-15 (36”) 1214-17 (72”) 1214-18 (75”) 1214-19 (78”) 1226-07 (84”) 1226-08 NW corner, NW Elect.	21.6 ppm 6.79 ppm 1.77 ppm 1.72 ppm 1.36 ppm 1.01 ppm 1.19 ppm 1.21 ppm 1.05 ppm 1.10 ppm Non-detected Non-detected
		Delineation samples (Exterior unpainted brick)	1025-4 (1”) 1025-5 (3”) 1025-6 (6”)	0.713 ppm 2.53 ppm 0.515 ppm
		Source sample	17 (10/13/17)	2,170 ppm
9”x9” beige floor tile and black mastic	120, 101A, 101B (all under carpet)	Floor tile Floor tile Floor tile Black mastic	01 (10/12/17) 02 (10/12/17) 03 (10/12/17) 1025-7	199 ppm 86.1 ppm 106 ppm 5,390 ppm
12”x12” light grey speckled floor tile and yellow glue	Copy room, conference room, Rooms 113, 101C, 102B, 101A, 101B, 103, 103A, 103B, 106A, 106B and 1st floor storage closets in all rooms	Floor tile Floor tile Floor tile Black mastic	08 (10/12/17) 09 (10/12/17) 10 (10/12/17) 1025-8	64.4 ppm 5.5 ppm 47.6 ppm 188 ppm
12" light blue floor tile and yellow glue	Rooms 200, 201, 202, North hallway, Classrooms 203 thru 212, 104A, 104B, 102A, 102, 105 and 2nd floor all storage room closets	Floor tile Floor tile Floor tile Black mastic	17 (10/12/17) 19 (10/12/17) 20 (10/12/17) 1025-9	5907 ppm 117 ppm 20.2 ppm 488 ppm

Table 1.0 Summary of Collected Samples (continue)				
Building D (1963 Construction)				
Component Sampled	**Total components to be removed/Location**	**Sample Description**	**Sample Numbers**	**Result (PPM)**
2".6" x 8".6" wall vent (louver), Lower Vents	Classrooms 103, 203, 205, 206,207, 208, 209, 210, 212, and west elevation above teacher lounge, south most vent,	Vent Caulking	20618-FR5 22618-SF01 22618-SF-02 22618-SF-03 22618-SF-04 22618-SF-05 22618-SF-08	239,000 ppm 145,000 ppm 84,900 ppm 97,700 ppm 141,000 ppm 80,800 ppm 40,800 ppm

Detectable levels of PCBs reported in the table above were reported as Aroclor 1254 (PCB) by the laboratory.

A total of 63 primary source samples and 15 delineation samples were collected. Four side by side duplicates and two split duplicate samples were also collected. Split-duplicates samples were prepared by homogenizing the sampled material and splitting it into two identical samples

The information included in Table 1.0 is a summary of the sampling results and is intended to be used in conjunction with the material inventories included in Appendix A, and laboratory results included in Appendix B.

Refer to both Appendix A, and B for all other relevant sample analysis information.

All samples were analyzed in accordance with EPA Method 8082A with Soxhlet Extraction US EPA Method 3540C for Aroclors.

All samples including duplicate and split duplicates were placed in an appropriate glass jar with a Teflon cap provided by the laboratory. Samples were labeled and packaged in a cooler and kept cool with ice during shipment.

6 QUALITY CONTROL

Sample extraction and analysis was completed by Enviro-Chem, located at 1214 East Lexington Avenue, Pomona, California. Contact Curtis Desilets (949) 539-4966. Enviro-Chem is a laboratory accredited by the California State Environmental Laboratory Accreditation Program (ELAP), and

Based on a review of the laboratory QC data associated with the sample analysis, the recovery and precision are within the acceptable limits of the laboratory.

7 CONCLUSIONS

Based on the delineation and source sampling results and in consultation with the SMMUSD, the sampled building materials are categorized as follows:

1. PCB Bulk Product Waste
    1. Window caulking and approximately 84 inches of surrounding interior brick and a minimum of 6 inches of exterior brick, Storefront window, first floor Room 120 (Teachers' Lounge),

2. Exterior vent (louver) caulking and approximately 12 inches of surrounding interior and exterior brick, all exterior 2'.6" x 8'x6" lower vents associated with air conditioning units in Classrooms 103, 203, 205, 206,207, 208, 209, 210, 212, and west elevation above teacher lounge, south most vent,
3. 9" beige floor tile and black mastic, Rooms 120, 101A, 101B (all under carpet)
4. 12" light grey speckled floor tile with yellow glue, copy room, conference room, Rooms 113, 101C, 102B, 101A, 101B, 103, 103A, 103B, 106A, 106B and 1st floor storage closets in all rooms,
5. 12" light blue floor tile and yellow glue, rooms 200, 201, 202, North hallway, Classrooms 203 thru 212, 104A, 104B, 102A, 102, 105 and 2nd floor all storage room closets

2. Excluded PCB Product
    1. All interior and exterior door caulking,
    2. All exterior window caulking,
    3. Adhesive for carpet, Rooms 120, 101A, 101B
    4. 4" brown cove base and glue, room 120,
    5. 4" grey cove base and glue, Rooms 113, copy room, 101C, 102B, 103, 2nd floor all rooms,
    6. 4" blue cove base and glue, Rooms 101A, 101B, 106, 106A, 106B, 104, 202, 102, 204, thru 212,
    7. 1'x4.2" vent caulking, all exterior upper wall vents in all second floor classrooms,
    8. 2'.6" x 8'x6" lower vents, Rooms 104, 211, West elevation above teachers lounge, center and north most vents, and
    9. Door vent caulking, 1st floor mechanical room, north vent

Removal of the PCB Bulk Product Waste should be conducted using proper engineering controls including, but not limited to, the following: Containment, worker training, worker protection etc. PCB waste should be characterized, packaged, labelled and disposed as required by TSCA 40 CFR 762 and California hazardous waste regulation set forth in Title 22, Division 4.5 of the California Code of Regulations

Excluded PCB Product, is not regulated by the US Environmental Protection Agency (US EPA) under the Toxic Substances Control Act (TSCA).

Other building related regulated substances (lead and asbestos) were determined to be present at the subject locations and it is Alta's understanding that the demolition contractor will adhere to other regulatory requirements for handling and disposal of identified asbestos-containing materials and lead-based paints.

8 RECOMMENDATIONS

Asbestos-containing materials and lead-based paints have previously been identified at the site and are described in a separate report. Removal of ACMs and LBP is subject to local, state and federal requirements. A survey record and abatement plan have been prepared for this site which is to be used for the removal and waste disposal of ACM and LBP.

9 ASSUMPTIONS AND LIMITATIONS

The delineation and source bulk sampling activities were conducted to determine the potential presence of polychlorinated biphenyl compounds (PCBs) in door caulking, window caulking, vent caulking and vinyl floor tile and mastic in order to characterize the materials for off-site waste disposal in areas affected by the DSA approved drawings.

The results are intended for use by the District and its contractors to characterize generated waste building materials for disposal, based in part on the reported PCB content during the demolition of the building.

This report was prepared exclusively for use by Santa Monica-Malibu Unified School District, and may not be relied upon by any other person or entity without Alta Environmental's express written permission. The information, conclusions and recommendations described in this report apply to conditions existing at certain locations when services were performed and are intended only for the specific purposes, locations, time frames and project parameters indicated. Alta Environmental cannot be responsible for the impact of any changes in environmental standards, practices or regulations after the performance of services.

In performing our professional services, we have applied engineering and scientific judgment and used a level of effort consistent with the current standard of practice for similar types of studies.

As applicable, Alta Environmental has relied in good faith upon representations and information furnished by individuals with respect to operations and existing property conditions, to the extent that they have not been contradicted by data obtained from other sources. Accordingly, Alta Environmental accepts no responsibility for any deficiencies, omissions, misrepresentations, or fraudulent acts of persons interviewed.

Alta Environmental will not accept any liability for loss, injury claim, or damage arising directly or indirectly from any use or reliance on this report. Alta Environmental makes no warranty, expressed or implied.

This report is issued with the understanding that the client, the property owner, or its representative is responsible for ensuring that the information, conclusions, and recommendations contained herein are brought to the attention of the appropriate regulatory agencies, as required.

Material quantities are in some cases listed within this document. These quantities are not intended to be used for removal bidding purposes. Nor is this document intended as a contract manual. Work methods and sequence, coordination of participants, applicable codes, engineering controls, required submittals, and notifications should in all cases be addressed in a separate and independent bidding and contract document. If you have any questions, please do not hesitate to contact the undersigned at (562) 495-5777. We appreciate the opportunity to be of service to Santa Monica-Malibu Unified School District.

10 SIGNATORY

Respectfully submitted by:

Alta Environmental

Cesar Ruvalcaba
Project Manager

Respectfully submitted by:

Alta Environmental

David Schack
VP, Building Sciences

Appendix A
Sample Inventories

Summary of Delineation Sampling

CLIENT: SMMUSD
PROJECT NO: SMSD-17-7239
PROJECT: Malibu Hight School Building D

Date sampled	Type of Window or Door	Sample Number	Sample Description	Sample Location	Total PCBs (mg/kg)
10/25/2017	Storefront (AA)	1025-1	Interior 1" from window frame (painted brick)	Room 120 (Workroom D112), North Window(1")	21.6 (Aroclor 1254)
10/25/2017	Storefront (AA)	1025-2	Interior 3" from window frame (painted brick)	Room 120 (Workroom D112), North Window (3")	6.79 (Aroclor 1254)
10/25/2017	Storefront (AA)	1025-3	Interior 6" from window frame (painted brick)	Room 120 (Workroom D112), North Window (6")	1.77 (Aroclor 1254)
11/2/2017	Storefront (AA)	1102D09	Interior 9" from window frame (painted brick)	Room 120 (Workroom D112), North Window (9")	1.72 (Aroclor 1254)
11/2/2017	Storefront (AA)	1102D12	Interior 12" from window frame (painted brick)	Room 120 (Workroom D112), North Window (12")	1.36 (Aroclor 1254)
11/27/2017	Storefront (AA)	1127-D1	Interior 18" from window frame (painted brick)	Room 120 NW corner of wall joining with No. door frame (18")	1.01 (Aroclor 1254)
12/14/2015	Storefront (AA)	1214-15	Interior 36" from window frame (painted brick)	Room 120 (Workroom D112), North Window (passed dividing wall) (36")	1.19 (Aroclor 1254)
12/14/2015	Storefront (AA)	1214-17	Interior 72" from window frame (painted brick)	Vestibule west door, passed door (72" from window)	1.21 (Aroclor 1254)
12/14/2015	Storefront (AA)	1214-18	Interior 75" from window frame (painted brick)	Vestibule west door, passed door (75" from window)	1.05 (Aroclor 1254)
12/14/2015	Storefront (AA)	1214-19	Interior 78" from window frame (painted brick)	Vestibule west door, passed door 78" from window)	1.10 (Aroclor 1254)

Summary of Delineation Sampling

CLIENT: SMMUSD
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Date sampled	Type of Window or Door	Sample Number	Sample Description	Sample Location	Total PCBs (mg/kg)
12/26/2017	Storefront (AA)	1226-07	Interior 84" from window frame (painted brick)	Vestibule room at corner with north restroom (84" from window)	Non-detected
12/26/2017	Storefront (AA)	1226-08	Interior painted wall	NW electrical room at SW corner	Non-detected
10/25/2017	Storefront (AA)	1025-4	Exterior 1" from window frame (unpainted brick)	Room 120 (Workroom D112), North Window	0.713 (Aroclor 1254)
10/25/2017	Storefront (AA)	1025-5	Exterior 3" from window frame (unpainted brick)	Room 120 (Workroom D112), North Window	2.53 (Aroclor 1254)
10/25/2017	Storefront (AA)	1025-6	Exterior 6" from window frame (unpainted brick)	Room 120 (Workroom D112), North Window	0.515 (Aroclor 1254)

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PROJECT NO: SMSD-17-7239
PROJECT: Malibu Hight School Building D

Date sampled	Sample Number	Component ID	Sample Description	Sample Location	Componet Location	Photograph Number	Total PCBs (ppm)
10/3/2017	01	Interior Door	Caulking	Room 113, northeast corner	102A, B, 104 A/B, 106A, 102B, 102A, 101C, 120, 113	1	3.75 (Aroclor 1254)
10/3/2017	02	Interior Door	Caulking	Room 103A, northeast		2	2.34 (Aroclor 1254)
10/3/2017	03	Interior Door	Caulking	Room 106A, northwest		3	3.71 (Aroclor 1254)
10/3/2017	04	Exterior Door	Caulking	Room 102B, northeast	Exterior doors with window glass pane	4	Non-detected
10/3/2017	05	Exterior Door	Caulking	Room 212, east center		5	6.98 (Aroclor 1254)
10/3/2017	06	Exterior Door	Caulking	Room 204, northeast		6	2.78 (Aroclor 1254)
10/3/2017	07	Exterior Window	Caulking	Room 204, northeast	Exterior window with glass pane	7	Non-detected
10/3/2017	08	Exterior Window	Caulking	Room 212, east center		8	Non-detected
10/3/2017	09	Exterior Window	Caulking	Room 102B, northeast		9	Non-detected
10/3/2017	10	Exterior Door	Caulking	Room 214, north center	Exterior single door	10	4.74 (Aroclor 1254)
10/3/2017	11	Exterior Door	Caulking	Northeast stairway, 1st floor northwest		11	2.53 (Aroclor 1254)
10/3/2017	12	Exterior Door	Caulking	Room 101A, at entry		Not pictured	1.5 (Aroclor 1254)
11/27/2017	1127-D2	Exterior Door	Caulking	Vestibule north of 120 (lounge), west door			3.77
10/3/2017	13	Exterior Window	Glazing	Split sample with #14	202, 201	13,	0.932 (Aroclor 1254)
10/3/2017	14	Exterior Window	Glazing	Room 202, interior northeast	202, 201	13, 14	1.1 (Aroclor 1254)
10/3/2017	15	Exterior Window	Caulking	Room 202, exterior northeast	201, 201	15	2.93 (Aroclor 1254)
10/3/2017	16	Exterior Window	Glazing	Room 120, north center	120	16	Non-detected

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Date sampled	Sample Number	Component ID	Sample Description	Sample Location	Componet Location	Photograph Number	Total PCBs (ppm)
10/3/2017	17	Exterior Window	Caulking	Room 120, north center	120	17	2,170 (Aroclor 1254)
10/3/2017	18	Exterior window	Caulking	Side by side duplicate sample of 17	120	17	2,160 (Aroclor 1254)
10/12/2017	01	Floor	9" beige floor tile and black mastic	120, NE	120, 101A, 101B (all under carpet)	1	199 (Aroclor 1254)
10/12/2017	02	Floor		101A, east center		2	86.1 (Aroclor 1254)
10/12/2017	03	Floor		101B, east center		3	106 (Aroclor 1254)
10/25/2017	1025-7	Floor	Mastic associated with 9" beige floor tile	120, NE		1025-7	5,390 (Aroclor 1254)
10/12/2017	04	Floor	Adhesive for carpet	120, NE	120, 101A, 101B	1	5.88 (Aroclor 1254)
10/12/2017	05	Floor		101A, east center		2	11.6 (Aroclor 1254)
10/12/2017	06	Floor		101B, east center		3	8.18 (Aroclor 1254)
10/12/2017	07	Wall	4" brown covebase and glue	120, NE	120	7	3.27 (Aroclor 1254)

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PROJECT: Malibu Hight School Building D

Date sampled	Sample Number	Component ID	Sample Description	Sample Location	Componet Location	Photograph Number	Total PCBs (ppm)
10/12/2017	08	Floor	12" light grey speckled floor tile with glue	113, east center	Copy room, conference room, 113, 101C, 102B, 101A, 101B, 103, 103A, 103B, 106A, 106B and 1st floor storage closets in all rooms	No Picture	64.4 (Aroclor 1254)
10/12/2017	09	Floor		103, SE		9	5.5 (Aroclor 1254)
10/12/2017	10	Floor		106, SW		10	47.6 (Aroclor 1254)
10/12/2017	21	Floor		Split sample with #10)		10	96.3 (Aroclor 1254)
10/25/2017	1025-8	Floor	Glue associated with 12" light grey speckled floor tile	113, east center		1025-8	188 (Aroclor 1254)
10/12/2017	11	Wall	4" grey covebase with glue	113, east center	113, copy room, 101C, 102B, 103, 2nd floor all rooms	11	2.25 (Aroclor 1254)
10/12/2017	12	Wall		103, south center		No Picture	1.51 (Aroclor 1254)
10/12/2017	13	Wall		Copy room, SW		No Picture	3.0 (Aroclor 1254)
10/12/2017	14	Wall	4" blue covebase with glue	101A, SE	101A, 101B, 106, 106A, 106B, 104, 202, 102, 204, thru 212	14	2.71 (Aroclor 1254)
10/12/2017	15	Wall		106A, SE		No Picture	2.34 (Aroclor 1254)
10/12/2017	16	Wall		101B, SW		No Picture	2.17 (Aroclor 1254)

CLIENT: SMMUSD
PROJECT NO: SMSD-17-7239
PROJECT: Malibu Hight School Building D

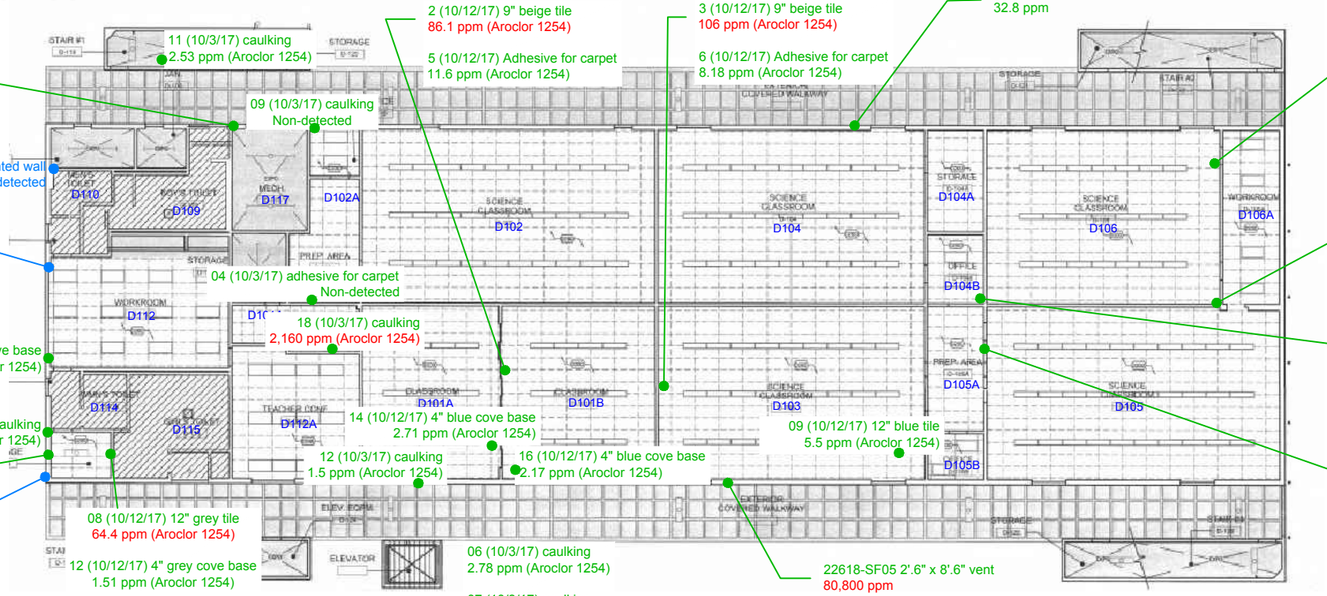
Date sampled	Sample Number	Component ID	Sample Description	Sample Location	Componet Location	Photograph Number	Total PCBs (ppm)
10/12/2017	17	Floor	12" light blue floor tile with glue	201, SW	200, 201, 202, North hallway, Classrooms 203 thru 212, 104A, 104B, 102A, 102, 105 and 2nd floor all storage room closets	14	59.7 (Aroclor 1254)
10/12/2017	18	Floor		207, west center			117 (Aroclor 1254)
10/12/2017	19	Floor		215, SW		19	20.2 (Aroclor 1254)
10/12/2017	20	Floor		Side by side duplicate sample of 19		19	78.2 (Aroclor 1254)
10/25/2017	1025-9	Floor	Glue associated with 12" light blue floor tile	207, west center		1025-9	488 (Aroclor 1254)
2/6/2018	20618-FR1	1' x 4'.2" vent	Caulking	Room 211 - south end vent east side	Room 211	20618-FR1	6.91
2/6/2018	20618-FR2	1' x 4'.2" vent	Caulking	Room 206 - north vent west end	Room 206	20618-FR2	5.01
2/6/2018	20618-FR3	1' x 4'.2" vent	Caulking	Room 212 - north vent west end	Room 212	20618-FR3	7.03
2/6/2018	20618-FR4	2'.6" x 8'.6" vent	Caulking	Room 211 - south vent east side	Room 211	20618-FR4	16.2
2/6/2018	20618-FR5	2'.6" x 8'.6" vent	Caulking	Room 206 - north vent east side	Room 206	20618-FR5	239,000
2/6/2018	20618-FR6	2'.6" x 8'.6" vent	Caulking	West exterior - north vent 12' above ground north end (teachers lounge)	2nd floor west side above teachers lounge	20618-FR6	5.66
2/6/2018	20618-FR7	2'.6" x 8'.6" vent	Caulking	Side by side duplicate of 20618-SF6			4.69
2/6/2018	20618-FR14	Door vent	Caulking	1st floor mechanical room - north vent west end 4' up	1st floor mechanical room	20618-FR14	33.5

CLIENT: SMMUSD
PROJECT NO: SMSD-17-7239
PROJECT: Malibu Hight School Building D

Date sampled	Sample Number	Component ID	Sample Description	Sample Location	Componet Location	Photograph Number	Total PCBs (ppm)
2/26/2018	22618-SF01	2'.6" x 8'.6" vent	Caulking	At room 210 north center vent - east end	Room 210	22618-SF01	145,000
2/26/2018	22618-SF02	2'.6" x 8'.6" vent	Caulking	At room 208 north center vent - west end	Room 208	22618-SF02	84,900
2/26/2018	22618-SF03	2'.6" x 8'.6" vent	Caulking	At room 209 west center vent - west end	Room 209	22618-SF03	97,700
2/26/2018	22618-SF04	2'.6" x 8'.6" vent	Caulking	At room 212 north center vent - west end	Room 212	22618-SF04	141,000
2/26/2018	22618-SF05	2'.6" x 8'.6" vent	Caulking	Room 103 west center	Room 103	22618-SF05	80,800
2/26/2018	22618-SF06	2'.6" x 8'.6" vent	Caulking	Room 104 east louver at vent	Room 104	22618-SF06	7.24
2/26/2018	22618-SF07	2'.6" x 8'.6" vent	Caulking	West end directly above lounge area - center vent	2nd floor west side above teachers lounge	22618-SF07	2.51
2/26/2018	22618-SF08	2'.6" x 8'.6" vent	Caulking	West end directly above lounge area - south vent	2nd floor west side above teachers lounge	22618-SF08	40,800
2/26/2018	22618-SF09	2'.6" x 8'.6" vent	Caulking	Side by side duplicate of 22618-SF08 (note: sample was analyzed by another laboratory, eurofins/CalScience			100,000
Note: 2nd floor south end, room 203, 205, 207, 209, lower vents are blocked off by lockers.							

Appendix B
Sample Location Maps

1st Floor



1025-1 Painted brick (1")
21.6 ppm (Aroclor 1254)

1025-2 Painted brick (3")
6.79 ppm (Aroclor 1254)

1025-3 Painted brick (6")
1.77 ppm (Aroclor 1254)

1102D09 Painted brick (9")
1.72 ppm (Aroclor 1254)

1102D12 Painted brick (12")
1.36 ppm (Aroclor 1254)

1127-D1 Painted brick (18")
1.01 ppm (Aroclor 1254)

1214-15 Painted brick (36")
1.19 ppm (Aroclor 1254)

1214-17 Painted brick (72")
1.21 ppm (Aroclor 1254)

1214-18 Painted brick (75")
1.05 ppm (Aroclor 1254)

1214-19 Painted brick (78")
1.10 ppm (Aroclor 1254)

1226-07 Painted brick (84")
Non-detected

1025-4 unpainted brick (1")
0.713 ppm (Aroclor 1254)

1025-5 unpainted brick (3")
2.53 ppm (Aroclor 1254)

1025-6 unpainted brick (6")
0.515 ppm (Aroclor 1254)

11 (10/3/17) caulking
2.53 ppm (Aroclor 1254)

20618-FR14 door vent
33.5 ppm

09 (10/3/17) caulking
Non-detected

1226-08 Interior painted wall
Non-detected

04 (10/3/17) adhesive for carpet
Non-detected

18 (10/3/17) caulking
2,160 ppm (Aroclor 1254)

13 (10/12/17) 4" cove base
3.0 ppm (Aroclor 1254)

01 (10/3/17) caulking
3.75 ppm (Aroclor 1254)

11 (10/12/17) 4" cove base
2.25 ppm (Aroclor 1254)

08 (10/12/17) 12" grey tile
64.4 ppm (Aroclor 1254)

12 (10/12/17) 4" grey cove base
1.51 ppm (Aroclor 1254)

1025-8 glue for 12" tile
188 ppm (Aroclor 1254)

2 (10/12/17) 9" beige tile
86.1 ppm (Aroclor 1254)

5 (10/12/17) Adhesive for carpet
11.6 ppm (Aroclor 1254)

14 (10/12/17) 4" blue cove base
2.71 ppm (Aroclor 1254)

12 (10/3/17) caulking
1.5 ppm (Aroclor 1254)

06 (10/3/17) caulking
2.78 ppm (Aroclor 1254)

07 (10/3/17) caulking
Non-detected

3 (10/12/17) 9" beige tile
106 ppm (Aroclor 1254)

6 (10/12/17) Adhesive for carpet
8.18 ppm (Aroclor 1254)

16 (10/12/17) 4" blue cove base
2.17 ppm (Aroclor 1254)

09 (10/12/17) 12" blue tile
5.5 ppm (Aroclor 1254)

22618-SF05 2'.6" x 8'.6" vent
80,800 ppm

22618-SF06 2'.6" x 8'.6" vent
32.8 ppm

03 (10/3/17) caulking
3.71 ppm (Aroclor 1254)

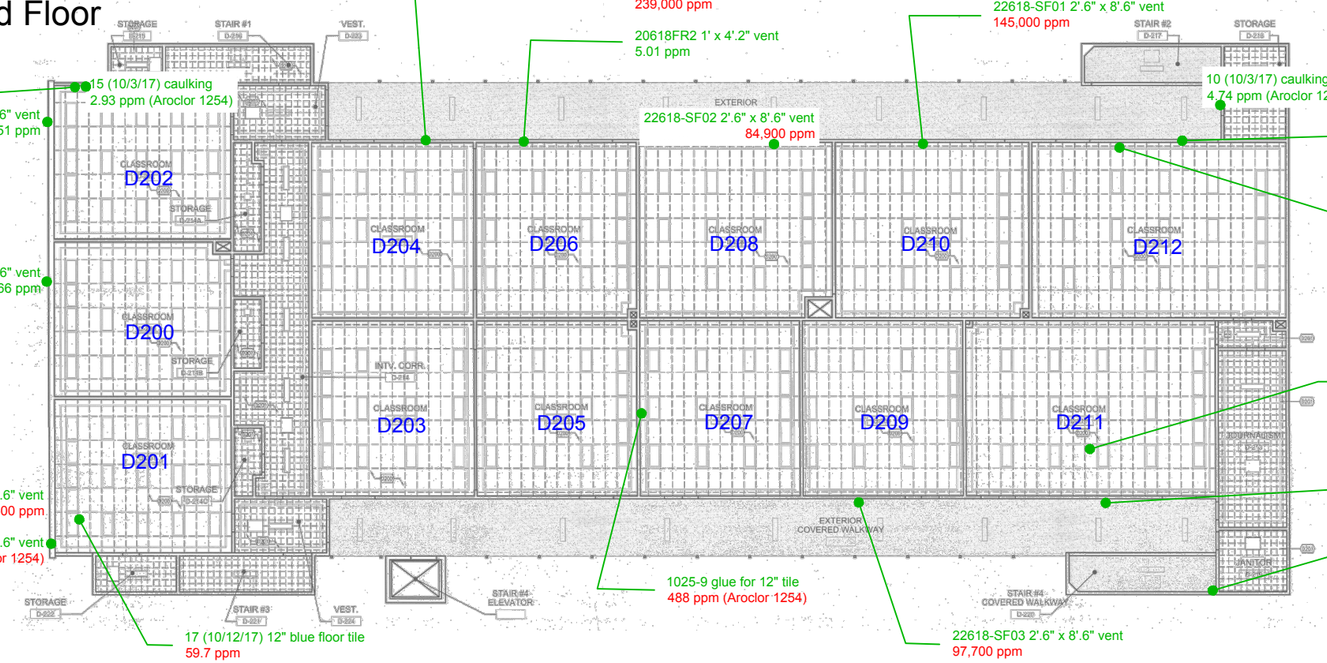
15 (10/12/17) 4" blue cove base
2.34 ppm (Aroclor 1254)

10 (10/12/17) 12" grey tile
47.6 ppm (Aroclor 1254)

21 (10/12/17) glue for 12" tile
96.3 ppm (Aroclor 1254)

02 (10/3/17) caulking
2.34 ppm (Aroclor 1254)

2nd Floor



13 (10/3/17) glazing
0.932 ppm (Aroclor 1254)

14 (10/3/17) glazing
1.1 ppm (Aroclor 1254)

15 (10/3/17) caulking
2.93 ppm (Aroclor 1254)

22618-SF07 2'.6" x 8'.6" vent
2.51 ppm

20618FR6 2'.6"x8'.6" vent
5.66 ppm

22618-SF08 2'.6" x 8'.6" vent
85,500 ppm

22618-SF09 2'.6" x 8'.6" vent
100,000 (aroclor 1254)

17 (10/12/17) 12" blue floor tile
59.7 ppm

20618FR5 2'.6" x 8'.6" vent
239,000 ppm

20618FR2 1' x 4'.2" vent
5.01 ppm

22618-SF02 2'.6" x 8'.6" vent
84,900 ppm

1025-9 glue for 12" tile
488 ppm (Aroclor 1254)

22618-SF01 2'.6" x 8'.6" vent
145,000 ppm

10 (10/3/17) caulking
4.74 ppm (Aroclor 1254)

20618FR3 1' x 4'.2" vent
7.03 ppm

22618-SF04 2'.6" x 8'.6" vent
141,000 ppm

05 (10/3/17) caulking
6.98 ppm (Aroclor 1254)

08 (10/3/17) caulking
Non-detected

18 (10/12/17) 12" blue floor tile
117 ppm (Aroclor 1254)

20618FR1 1' x 4'.2" vent
6.91 ppm

20618FR4 2'.6" x 8'.6" vent
16.2 ppm

19 (10/12/17) 12" blue floor tile
20.2 ppm (Aroclor 1254)

20 (10/12/17) 12" blue floor tile
78.2 ppm (Aroclor 1254)

22618-SF03 2'.6" x 8'.6" vent
97,700 ppm

Note: Location are approximate

Legend
- Source
- Delineation

Bulk Source & Delineation PCB Sample Location Map

Building D
Malibu High School
30215 Morning View Drive
Malibu, California

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

DATE: March 2018 | Project No.: SMSD-17-7239

Appendix C
Laboratory Reports

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 6020 - PCBs	COMMENTS
22618'Sf01	180228-38	226-18	1615	Bulk	1		Ice	X	Roof 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: Alta Environmental
Address: 3777 Long Beach Blvd
City/State/Zip: Long Beach Ca
Project Contact: Cesar Rivadeneira
Tel:
Fax:
Sampler's Signature:
Project Name/ID: Malibu H.S. Bldg D

Relinquished by:	2-28-18 1315	Received by:	2/28/18 1330
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: 2-28-18

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: 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	Analysis Required	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" archive
FR13	29	↓	1930	↓	1		↓	X	6" ↓
FR14	30	↓	2040	↓	1		↓	X	caulking

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

Relinquished by: 2-07-18 1050	Received by:	Date & Time: 2/7/2018 1050 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: 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: December 28, 2017

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

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

Dear Mr. Ruvalcaba:

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

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

Sincerely,

Curtis Desilets
Vice President/Program Manager

Andy Wang
Laboratory Manager

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

LABORATORY REPORT

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

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

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

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

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

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

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

Enviro-Chem, Inc.

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

EPA 8082 QA/QC Report

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

Unit: mg/Kg(PPM)

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

Spiked Sample Lab I.D.:

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

Lab Control Spike (LCS) Recovery:

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

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

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

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

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

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

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

Analyzed and Reviewed By: _____

Final Reviewer: _____

RUSH

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

RUSH

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

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	EPA 8082	Misc./PO#	COMMENTS
				Analysis Required						
1226-01	1712717-5	12/26/17		Bulk			ICE	X		Bldg H
1226-02	-6							X		
1226-03	-7							X		
1226-04	-8							X		
1226-05	-9							X		
1226-06	-10							X		
1226-07	-11							X		Bldg D
1226-08	-12							X		
1226-09	-13							X		Bldg J
1226-10	-14							X		
1226-11	-15				1 X40z			X		

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

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

Sampler's Signature:
Project Name/ID: Malibu HS

Relinquished by:	12/27/17 1250	Received by:	Date & Time: 12/27/17 1300
Relinquished by:		Received by:	Date & Time:
Relinquished by:		Received by:	Date & Time:

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

CHAIN OF CUSTODY RECORD

Date: 12/27/17

WHITE WITH SAMPLE • YELLOW TO CLIENT

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

Date: 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	1402		ICE	X	36"
16					1			X (02)	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	**Project Contact:** Cesar Ruvalcaba	**Sampler's Signature:**
Address: 3777 Long Beach Blvd	**Tel:**	**Project Name/ID:** Malibu - Bldg D
City/State/Zip: Long Beach Ca	**Fax:**	

Relinquished by:	Received by:	Date & Time: 12/15/17 1130	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	Date & Time:	O Dispose of O Return to Client ~~O~~ Store (30 Days)
Relinquished by:	Received by:	Date & Time:	O Other:

CHAIN OF CUSTODY RECORD

Date: 12-15-17

WHITE WITH SAMPLE • YELLOW TO CLIENT

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

Date: December 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	EPA - Method 8082 - PCBs	Misc./PO#	COMMENTS
								Analysis Required		
11 27 - D1	171129-29	11-27-17	2000	Bulk	1			x	Malibu H.S. - Bldg D	
" D2	-30	"	2010	"	1			x		SPECIAL EXTRACTION
					407					

Company Name: Alter Environ	**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: 11/29/17 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: 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	Analysis Required: 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	~~Mastic~~ 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			

Company Name: Alta Environmental
Address: 3777 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	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: 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: 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	40Z	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. Rivalcoba
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

Page _____ of _____

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 Week (Standard)
Other:

Misc./PO# SMSD-17-7234

special extraction

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	EPA Method 8082 PCBs	COMMENTS
				Analysis Required					
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	**Project Contact:** Lisa 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: 10/4/17 1:30 PM	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: 10-4-17

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 Gualdo
Tel:
Fax:

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

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

WHITE WITH SAMPLE • YELLOW TO CLIENT

Page _____ of _____

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WORK ORDER NUMBER: 18-02-1855

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Alta Environmental

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

Attention: Cesar Ruvalcaba
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Vikas Patel

Approved for release on 03/02/2018 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: 18-02-1855

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Work Order Narrative

Work Order: 18-02-1855 Page 1 of 1

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 02/27/18. They were assigned to Work Order 18-02-1855.

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.

Return to Contents

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Sample Summary

Client:	Alta Environmental 3777 Long Beach Blvd., Annex Building Long Beach, CA 90802-3335	Work Order:	18-02-1855
		Project Name:	Malibu H.S.-Bldg D
		PO Number:	
		Date/Time Received:	02/27/18 13:47
		Number of Containers:	1
Attn:	Cesar Ruvalcaba		

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
22618-SF09	18-02-1855-1	02/26/18 18:52	1	Solid

Return to Contents

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Detections Summary

Client:	Alta Environmental 3777 Long Beach Blvd., Annex Building Long Beach, CA 90802-3335	Work Order:	18-02-1855
		Project Name:	Malibu H.S.-Bldg D
		Received:	02/27/18
Attn:	Cesar Ruvalcaba		Page 1 of 1

Client SampleID Analyte	Result	Qualifiers	RL	Units	Method	Extraction
22618-SF09 (18-02-1855-1)						
Aroclor-1254	100000		9700	mg/kg	EPA 8082	EPA 3540C

Subcontracted analyses, if any, are not included in this summary.

Return to Contents

* MDL is shown

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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: 02/27/18
Work Order: 18-02-1855
Preparation: EPA 3540C
Method: EPA 8082
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
22618-SF09	**18-02-1855-1-A**	**02/26/18 18:52**	**Solid**	**GC 58**	**02/27/18**	**03/01/18 12:40**	**180227L17**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	97	100	
Aroclor-1221	ND	97	100	
Aroclor-1232	ND	97	100	
Aroclor-1242	ND	97	100	
Aroclor-1248	ND	97	100	
Aroclor-1260	ND	97	100	
Aroclor-1262	ND	97	100	
Aroclor-1268	ND	97	100	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	165	24-168	
2,4,5,6-Tetrachloro-m-Xylene	88	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
22618-SF09	**18-02-1855-1-A**	**02/26/18 18:52**	**Solid**	**GC 58**	**02/27/18**	**03/01/18 13:16**	**180227L17**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1254	100000	9700	10000	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	11700	24-168	1,2,7
2,4,5,6-Tetrachloro-m-Xylene	640	25-145	1,2,7

Return to Contents

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

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Analytical Report

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

Date Received: 02/27/18
Work Order: 18-02-1855
Preparation: EPA 3540C
Method: EPA 8082
Units: mg/kg

Project: Malibu H.S.-Bldg D

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-535-4576**	**N/A**	**Solid**	**GC 58**	**02/27/18**	**03/01/18 10:52**	**180227L17**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	0.050	1.00	
Aroclor-1221	ND	0.050	1.00	
Aroclor-1232	ND	0.050	1.00	
Aroclor-1242	ND	0.050	1.00	
Aroclor-1248	ND	0.050	1.00	
Aroclor-1254	ND	0.050	1.00	
Aroclor-1260	ND	0.050	1.00	
Aroclor-1262	ND	0.050	1.00	
Aroclor-1268	ND	0.050	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	89	24-168	
2,4,5,6-Tetrachloro-m-Xylene	93	25-145	

Return to Contents

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

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Quality Control - Spike/Spike Duplicate

Alta Environmental		Date Received:	02/27/18
3777 Long Beach Blvd., Annex Building		Work Order:	18-02-1855
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
22618-SF09	**Sample**	**Solid**	**GC 58**	**02/27/18**	**03/01/18 12:40**	**180227S17**
22618-SF09	**Matrix Spike**	**Solid**	**GC 58**	**02/27/18**	**03/01/18 13:34**	**180227S17**
22618-SF09	**Matrix Spike Duplicate**	**Solid**	**GC 58**	**02/27/18**	**03/01/18 13:52**	**180227S17**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Aroclor-1016	ND	0.1000	7.800	7800	6.600	6600	50-135	17	0-20	3
Aroclor-1260	ND	0.1000	2030	2030000	1785	1785000	50-135	13	0-20	3

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

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

Project: Malibu H.S.-Bldg D

Date Received: 02/27/18
Work Order: 18-02-1855
Preparation: EPA 3540C
Method: EPA 8082

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-535-4576	**LCS**	**Solid**	**GC 58**	**02/27/18**	**03/01/18 11:10**	**180227L17**
099-12-535-4576	**LCSD**	**Solid**	**GC 58**	**02/27/18**	**03/01/18 11:28**	**180227L17**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Aroclor-1016	0.1000	0.1140	114	0.1010	101	50-135	12	0-20	
Aroclor-1260	0.1000	0.1010	101	0.09900	99	50-135	2	0-20	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

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Sample Analysis Summary Report

Work Order: 18-02-1855 Page 1 of 1

Method	Extraction	Chemist ID	Instrument	Analytical Location
EPA 8082	EPA 3540C	1028	GC 58	1

Return to Contents

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Glossary of Terms and Qualifiers

Work Order: 18-02-1855 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.

Return to Contents

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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: **18-02-1855**

DATE: 2/27/18
PAGE: 1 OF 1

LABORATORY CLIENT:	Alta Environmental
ADDRESS:	3777 Long Beach Blvd.
CITY: Long Beach	STATE: CA ZIP: 90280
TEL: 562-495-5777	E-MAIL: cesar.ruvalcaba@altaenviron.com
CLIENT PROJECT NAME / NUMBER:	Malibu H.S. - Bldg D
P.O. NO.:	
PROJECT CONTACT:	Ceser Ruvalcaba
SAMPLER(S): (PRINT)	S.F. F.R.

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:
- Use Soxhlet Extraction, USA EPA method 3540C Aroclors
- Reporting units in mg/kg (ppm)

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 ice	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 EPA 3540 for Arcl (?)			
S.F.	022618-SF09	2/26/18	1052	Bulk	1		X												X				X			

Relinquished by: (Signature) [signature]	Received by: (Signature/Affiliation) [signature] EC	Date: 2/27/18	Time: 13:47
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

Return to Contents

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WORK ORDER NUMBER: 18-02-1855

SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1

CLIENT: Alta Enviro.

DATE: 02/27/2018

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

Thermometer ID: SC6 (CF: +0.2°C); Temperature (w/o CF): 3.2 °C (w/ CF): 3.4 °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: SR

CUSTODY SEAL:

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

Sample(s) ☐ Present and Intact ☐ Present but Not Intact ☑ Not Present ☐ N/A Checked by: 1053

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: 1053

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

Return to Contents

Appendix D
Photographs

Malibu High – Building D (Windows and Doors)

Sample #1-Interior door caulking
Photo #1

Sample #2-Interior door caulking
Photo #2

Malibu High – Building D (Windows and Doors)

Sample #3-Interior door caulking
Photo #3

Sample #4-Exterior door caulking
Photo #4

Malibu High – Building D (Windows and Doors)

Sample #5-Exterior door caulking
Photo #5

Sample #6-Exterior door caulking
Photo #6

Malibu High – Building D (Windows and Doors)

Sample #7-Exterior window caulking
Photo # 7

Sample #8-Exterior window caulking
Photo #8

Malibu High – Building D (Windows and Doors)

Sample #9-Exterior window caulking

Photo #9

Sample #10-Exterior door caulking

Photo #10

Malibu High – Building D (Windows and Doors)

Sample #11-Exterior door caulking
Photo #11

Sample #13, #14-Window glazing
Photo #13, #14

Malibu High – Building D (Windows and Doors)

Sample #15-Window caulking
Photo #15

Sample #16-Window glazing
Photo #16

Malibu High – Building D (Windows and Doors)

Sample #17-Window caulking
Photo #17

Interior single door-typical

Malibu High – Building D (Windows and Doors)

Exterior Double Door-Typical

Exterior Single Door-Typical

Malibu High – Building D (Flooring Samples)

Flooring Samples 1 and 4

Flooring Samples 2, 5

Malibu High – Building D (Flooring Samples)

Flooring Samples 3, 6

Flooring Sample 7

Malibu High – Building D (Flooring Samples)

Flooring Samples 9, and 11

Flooring Sample 10

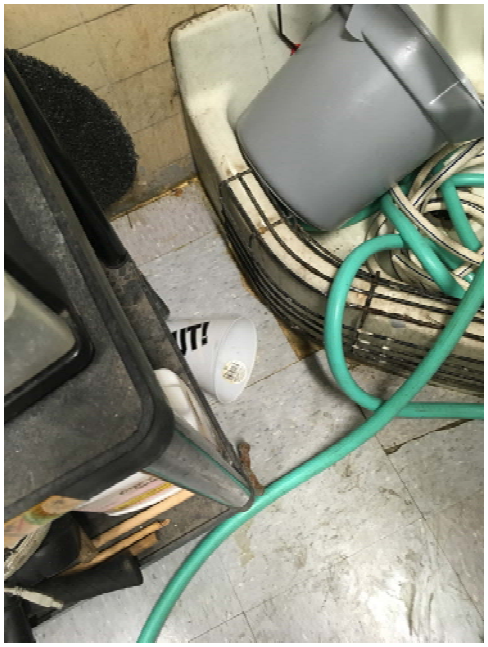
Malibu High – Building D (Flooring Samples)

Flooring Sample 14, 17

Flooring Sample 15, 16

Malibu High – Building D (Flooring Samples)

Flooring Sample 16, 19, 20



Black mastic sample #1025-7

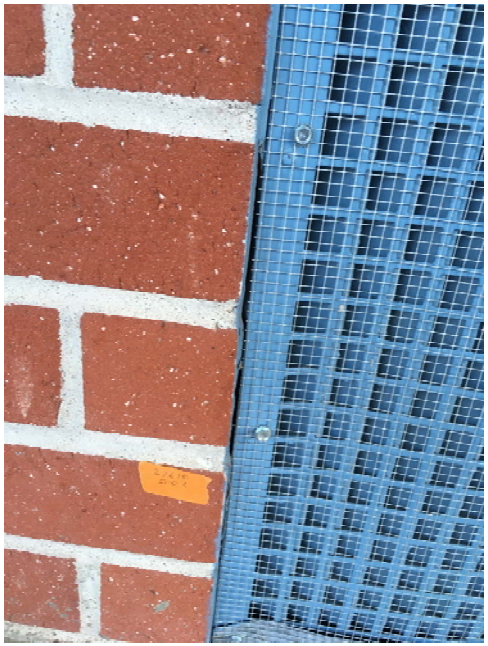
Malibu High – Building D (Flooring Samples)

Floor tile glue sample #1025-8

Floor tile glue sample #1025-9

Malibu High – Building D (Vent samples)

22618-SF02



22618-SF03

Malibu High – Building D (Vent samples)

22618-SF04

22618-SF05