



## **PCB DELINEATION AND SOURCE BULK SAMPLING REPORT**

**Malibu High School**  
Building J (Gymnasium)  
30215 Morning View Drive  
Malibu, California 90265

**Prepared for:**

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

Project No.: SMSD-17-7295  
Reported Date: May 1, 2018 revised October 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 J (Gymnasium) 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. Door caulking around doorframe 700E, and at least 12 inches of surrounding interior plaster and or brick,
2. Door caulking around doorframe 704A, and at least 12 inches of surrounding interior plaster and or brick,
3. Door caulking around doorframe 704C, and at least 12 inches of surrounding interior plaster and or brick,
4. Window caulking and surrounding porous materials from exterior windows (3'x7' horizontal stack), Room 704, and East boy's physical education office, as follows;
  - Exterior / interior brick 12 inches,
  - Exterior stucco, all on top and bottom of window panels. On the East side office also remove approximately, 15 inches from soffit ceiling, and
  - Interior plaster 6 inches,
5. Window caulking and surrounding porous materials from exterior windows (3'x4' vertical stack), Room 723, as follows;
  - Exterior / interior brick 12 inches, and
  - Exterior stucco, all on top and bottom of window panels.
6. Vent louver caulking, north vent at mechanical room and 1" of surrounding brick,
7. 9"x9" brown floor tile and black mastic, Room 705, and
8. 9"x9" tan vinyl floor tile and black mastic, Rooms 704 and 722.

## 2. Excluded PCB Product

1. All remaining door caulking around doorframes included in the scope of work, and
2. 12"x12" white speckled floor tile and glue, Rooms 703 and 724.

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).

## EXECUTIVE SUMMARY

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.

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**REPORTED:** May 1, 2018, Revised October 1, 2018 (Final)

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**CLIENT:** Santa Monica-Malibu Unified School District  
Facility Improvements Projects  
2828 4<sup>th</sup> Street  
Santa Monica, California 90405

**ATTENTION:** Mr. Roger Banuelos

**REF:** PCB Delineation and Source Bulk Sampling Report  
Building J (Gymnasium)  
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. Building J was constructed in 1963, which indicates a potential to contain PCBs.

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 J (Gymnasium) is a single-story building of brick construction with interior plaster walls, vinyl floor tiles, built on a concrete slab foundation. The suspect sampled PCB components are described below:

- A total of five windows frames (3'x7' horizontal, and 3'x4' vertical stack) were inspected and sampled. The windows are installed on the exterior perimeters of the building on Rooms 704/705, 723, and East boy's physical education office, one interior window a 3"x7' horizontal stack, was observed inside the building in Room 704/705. The windows are of metal construction encased in brick, cinder block, stucco and plaster.
- Doorframes inspected and sampled are installed both on the exterior and interiors of the building. The door types are identified as A:S, A:D, and F:D type doorframes, based on the DSA approved project drawings. The components are all painted metal encased in brick, and plaster. All doorframes were inspected, and all door caulking was sampled in each component if observed.
- Vents (louvers) one vent located on the north elevation, at the mechanical room area was inspected and sampled. The vent is of metal construction encased in brick.
- The vinyl floor tiles are both 9"x9" brown and tan with black mastic, and 12"x12" white (speckled pattern) with yellow glue. Vinyl floor tiles were observed in Rooms 703, 704, 705, 722 and 724.

## 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  $\geq 50$  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 ( $\geq 50$  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, October 23, 2017).

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

Initially, Alta collected delineation sampling of representative porous materials installed adjacent to suspect PCB containing door caulking, window caulking and vent caulking. The sampling was completed on several days on, November 16 and 21, 2017, and December 14, and 26, 2017. The objective of the sampling was to determine if suspected PCBs may have migrated to adjacent porous materials.

- On November 16, and 21 2017, delineation samples were collected at one-inch (1"), three-inch (3"), and six-inch (6") intervals away from suspect PCB containing door and window caulking. All three samples collected at 1", 3", and 6" representative of the exterior window frames was reported with PCBs above 1ppm, thus requiring additional samples to be completed to further define the migration of PCBs.
- On December 14, 2017, additional samples were collected at nine-inch (9") and twelve-inch (12") intervals away from window frames reported with PCB above 1ppm.
- On December 26, 2017, additional samples were collected at the 15-inch, 18-inch (18"), and 22-inch intervals away from window frame in the east boy's office from the soffit ceiling; all three samples were reported as non-detected.

Alta, at the direction of the District, collected source bulk samples of the suspect PCBs, door caulking and vinyl floor tiles. The additional source sampling was conducted on several days on, February 12, and 21 2018.

- On February 12, 2018, three samples representative of each homogeneous suspected PCBs floor tile and mastic were collected.
- On February 21, 2018, one bulk sample of door caulking was collected from each doorframe. All doorframes containing suspect PCB door caulking were sampled
- A total of 80 samples including duplicate and split duplicates were collected and analyzed.

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  $\geq 50$  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

<b>Building J -Gymnasium (1963 Construction)</b>				
<b>Component Sampled</b>	<b>Total components to be removed</b>	<b>Sample Description</b>	<b>Sample Numbers/Sample Location</b>	<b>Result (PPM)</b>
Doorframe (Door type A:S)	44	Delineation sample	1116-01 / 702A (1") 1116-07 / 707B (1") 1116-16 / 719A (1") 1116-23 / 721A (1") 1116-24 / 721A (3") 1116-25 / 721A (6")	Non-detected Non-detected Non-detected 1.28 ppm 0.892 ppm 0.858 ppm
		Source door caulking	22118-FR4 /702A 22118-FR28 / 707B 22118-FR42 / 719A 22118-FR48 / 721A	5.11 ppm 1.62 ppm Non-detected 19.2 ppm
		Door caulking	22118-FR1 / 703A 22118-FR2 / 793D 22118-FR3 / 701A 22118-FR5 / 725C 22118-FR8 / 700F 22118-FR9 / 700H 22118-FR11 / 700I 22118-FR12 / 700J 22118-FR13 / 700K 22118-FR18 / 712A 22118-FR19 / 704B 22118-FR22 / 704C 22118-FR23 / 705A 22118-FR24 / 706 22118-FR25 / 706A 22118-FR26 / Equipment GRR 22118-FR27 / 707C 22118-FR29 / 707A 22118-FR30 / 707B 22118-FR31 / 705C 22118-FR33 / 713B 22118-FR36 / 715A 22118-FR37 / 716A 22118-FR38 / 716B 22118-FR39/ 711B 22118-FR40 / 718A 22118-FR41 / 717A 22118-FR43 / 720A	Non-detected 2.15 ppm 3.17 ppm 8.19 ppm 12.6 ppm 3.94 ppm 12.9 ppm 0.765 ppm 1.40 ppm Non-detected 2.71 ppm 211 ppm 9.22 ppm 24.4 ppm 11.6 ppm 30.2 ppm 5.84 ppm 9.57 ppm 9.25 ppm Non-detected Non-detected Non-detected Non-detected Non-detected 10.2 ppm Non-detected Non-detected Non-detected



**Building J -Gymnasium (1963 Construction)**

<b>Component Sampled</b>	<b>Total components to be removed</b>	<b>Sample Description</b>	<b>Sample Numbers/Sample Location</b>	<b>Result (PPM)</b>
Doorframe (Door type A:S)  (continue from above)	44	Door caulking	22118-FR45 / 722B 22118-FR46 / 720B 22118-FR47 / 721B 22118-FR50 / 723B 22118-FR52 / 710B 22118-FR53 / weight room 22118-FR55 / 700N 22118-FR56 / 700L	9.32 ppm Non-detected 14.9 ppm Non-detected 7.26 ppm 6.62 ppm 4.58 ppm Non-detected

### Building J -Gymnasium (1963 Construction)

Component Sampled	Total components to be removed	Sample Description	Sample Numbers/Sample Location	Result (PPM)
Doorframe (Door type A:D)	13	Delineation samples	1116-10 / 714A (1") 1116-26 / 700P (1") 1116-27 / 700P (3") 1116-28 / 700P (6")	Non-detected 1.12 ppm 0.942 ppm 0.793 ppm
		Source door caulking	22118-FR35 / 714A 22118-FR14 / 700P	Non-detected 3.13 ppm
			22118-FR10 / 700A 22118-FR17 / 700B 22118-FR16 / 700C 22118-FR15 / 700D 22118-FR7 / 700E 22118-FR6 / 700G 22118-FR55 / 700N 22118-FR54 / 700O 22118-FR39 / 711B 22118-FR32 / 712B 22118-FR51 / 724A	2.75 ppm 1.76 ppm 10.2 ppm 0.732 ppm 192,000 ppm 2.08 ppm 4.58 ppm 3.91 ppm 10.2 ppm 30.6 ppm Non-detected
Doorframe (Door type F:D)	3	Delineation sample	1116-19 / 723A (1")	Non-detected
		Source door caulking	22118-FR49 / 723A	5.47 ppm
			22118-FR58 / 724A 22118-FR20 / 704A	Non-detected 257,000 ppm
Vent louver	1	Delineation sample	1116-13 / Interior mechanical Room 714	Non-detected
		Source vent caulking	Assumed PCB above 50 ppm	

### Building J -Gymnasium (1963 Construction)

Component Sampled	Total components to be removed	Sample Description	Sample Numbers/Sample Location	Result (PPM)
Window frame (3'x7' horizontal stack)	5	Delineation samples (brick)	1121-01 / 704 (1") 1121-16 / Boys office (1") 1121-02 / 704 (3") 1121-18 / Boys office (3") 1121-03 / 704 (6") 1121-19 / Boys office (6") 1214-03 / 704 (9") 1214-09 / Boys office (9") 1214-04 / 704 (12") 1214-10 / Boys office (12")	3.43 ppm 2.57 ppm 1.92 ppm 1.48 ppm 2.88 ppm 1.29 ppm 2.07 ppm 1.03 ppm 0.914 ppm 0.791 ppm
		Delineation samples (plaster)	1121-04 / 704 (1") 1121-05 / 704 (3") 1121-06 / 704 (6") 1214-01 / 704 (9") 1214-02 / 704 (12")	3.12 ppm 1.19 ppm 0.777 ppm Non-detected Non-detected
		Delineation samples (stucco)	1121-07 / 704 (1") 1121-20 / East boy office (1") 1121-08 / 704 (3") 1121-22 / East boy office (3") 1121-09 / 704 (6") 1121-23/ East boy office (6") 1214-05 / 704 (9") 1214-11 / East boy office (9") 1214-06 / 704 (12") 1214-12 / East boy office (12") 1226-09 / East boy office (15") 1226-10 / East boy office (18") 1226-11 / East boy office (22")  (Note: 1226-09 thru 11 were collected from soffit ceiling)	7.26 ppm 21.7 ppm 4.16 ppm 4.8 ppm 1.45 ppm 2.26 ppm 1.81 ppm 1.62 ppm 1.63 ppm 2.30 ppm Non-detected Non-detected Non-detected
		Source window caulking	Assumed PCB above 50 ppm	

<b>Building J -Gymnasium (1963 Construction)</b>				
<b>Component Sampled</b>	<b>Total components to be removed</b>	<b>Sample Description</b>	<b>Sample Numbers/Sample Location</b>	<b>Result (PPM)</b>
Window frame (3'x4' horizontal stack)	2	Delineation samples (brick)	1121-10 / 723 (1")	Non-detected
		Delineation samples (stucco)	1121-13 / 723 (1") 1121-14 / 723 (3") 1121-15 / 723 (6") 1214-07 / 723 (9") 1214-08 / 723 (12")	1.51 ppm 0.771 ppm 1.21 ppm 1.76 ppm 1.90 ppm
		Source window caulking	Assumed PCB above 50 ppm	
		Note: no interior plaster observed associated with 3'x4' window frames in Room. 723		
Vinyl floor tile (9")	Room 705, all	9" brown floor tile 9" brown floor tile 9" brown floor tile Yellow glue Yellow glue Yellow glue	212-07 / 705 212-09 / 705 212-11 / 705 212-08 / 705 212-10 / 705 212-12 / 705	53.3 ppm 6.55 ppm 1 ppm 976 ppm 32.6 ppm 22.1 ppm
Vinyl floor tile (9")	Rooms 704 and 722, all	9" tan floor tile 9" tan floor tile 9" tan floor tile Black mastic Black mastic Black mastic	212-13 / 704 212-15 / 704 212-23 / 722 212-14 / 704 212-16 / 704 212-24 / 722	14.7 ppm 19.7 ppm 93.5 ppm 1120 ppm 2,910 ppm 3,420 ppm
Vinyl floor tile (12")	Rooms 703, 724, all	12" white floor tile 12" white floor tile 12" white floor tile Yellow glue Yellow glue Yellow glue	212-17 / 703 212-19 / 703 212-21 / 724 212-18 / 703 212-20 / 703 212-22 / 724	2.15 ppm 0.64 ppm Non-detected Non-detected 3.14 ppm Non-detected

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

A total of 74 primary source samples and 47 delineation samples were collected. Seven 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:

### **3. PCB Bulk Product Waste**

1. Door caulking around doorframe 700E, and at least 12 inches of surrounding interior plaster and or brick,
2. Door caulking around doorframe 704A, and at least 12 inches of surrounding interior plaster and or brick,
3. Door caulking around doorframe 704C, and at least 12 inches of surrounding interior plaster and or brick,
4. Window caulking and surrounding porous materials from exterior windows (3'x7' horizontal stack), Room 704, and east boy's physical education office, as follows;
  - Exterior / interior brick 12 inches,
  - Exterior stucco, all on top and bottom of window panels. On the east side office also remove approximately, 15 inches from soffit ceiling, and
  - Interior plaster 6 inches,
5. Window caulking and surrounding porous materials from exterior windows (3'x4' vertical stack), Room 723, as follows;
  - Exterior / interior brick 12 inches, and
  - Exterior stucco, all on top and bottom of window panels.
6. Vent louver caulking, north vent at mechanical room and 1" of surrounding brick,
7. 9"x9" brown floor tile and black mastic, Room 705, and
8. 9"x9" tan vinyl floor tile and black mastic, Rooms 704 and 722.

### **4. Excluded PCB Product**

1. All remaining door caulking around doorframes included in the scope of work, and
2. 12"x12" white speckled floor tile and glue, Room 703 and 724.

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 and glazing, 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 Bulk Sampling

**CLIENT:** SMMUSD  
**PROJECT NO:** SMSD-17-7295  
**PROJECT:** Malibu Building J  
**Date:** November 16, 21, December 14, and 26, 2017

Building Name	Sample Number	Component ID	Sample Description	Sample Location	Total PCBs (ppm)
J	1116-01	Doorframe A:S	Drywall	Girls restroom (702A) interior east side of door 2' up, 1"	Non-detected
J	1116-04	Interior window frame	Brick	Physical Education office (704B) east window south end, 1"	0.955
J	1116-07	Doorframe A:S	Plaster	Interior side (707B) southside at door 3' up, 1"	Non-detected
J	1116-10	Doorframe A:D	Brick	Interior side mechanic room (714A) east side at door 4' up, 1"	Non-detected
J	1116-13	Louver vent	Brick	Interior side mechanical room (714) west side at window 4' up, 1"	Non-detected
J	1116-16	Doorframe A:S	Brick	Interior side room (719A) west side at door 3' up, 1"	Non-detected
J	1116-19	Doorframe F:D	Brick	Exterior side room (723A) west end of door 2' up, 1"	Non-detected
J	1116-20	Doorframe F:D	Brick	Side by side duplicate with sample number 1116-19	Non-detected
J	1116-23	Doorframe A:S	Plaster	Room (721A) south door, interior west end 2' up, 1"	1.28
J	1116-24	Doorframe A:S	Plaster	Room (721A) south door, west end 2' up, 3"	0.892
J	1116-25	Doorframe A:S	Plaster	Room (721A) south door, west end 2' up, 6"	0.858

Summary of Delineation Bulk Sampling

**CLIENT:** SMMUSD  
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**PROJECT:** Malibu Building J  
**Date:** November 16, 21, December 14, and 26, 2017

Building Name	Sample Number	Component ID	Sample Description	Sample Location	Total PCBs (ppm)
J	1116-26	Doorframe A:D	Brick	Room (700P) northeast door interior side west end at door 2' up, 1"	1.12
J	1116-27	Doorframe A:D	Brick	Room (700P) northeast door interior side west end at door 2' up, 3"	0.942
J	1116-28	Doorframe A:D	Brick	Room (700P) northeast door interior side west end at door 2' up, 6"	0.793
J	1121-01	Exterior window (3'x7' horizontal stack)	Brick	Room (704) window, exterior north end 4' up, 1"	3.43
J	1121-02		Brick	Room (704) window, exterior north end 4' up, 3"	1.92
J	1121-03		Brick	Room (704) window, exterior north end 4' up, 6"	2.88
J	1214-03		Brick	Room (704) window, exterior north end 4' up, 9"	2.07
J	1214-04		Brick	Room (704) window, exterior north end 4' up, 12"	0.914
J	1121-04		Plaster	Room (704) window, interior south end 4' up, 1"	3.12
J	1121-05		Plaster	Room (704) window, interior south end 4' up, 3"	1.19
J	1121-06		Plaster	Room (704) window, interior south end 4' up, 6"	0.777
J	1214-01		Plaster	Room (704) window, interior south end 4' up, 9"	Non-detected
J	1214-02		Plaster	Room (704) window, interior south end 4' up, 12"	Non-detected

Summary of Delineation Bulk Sampling

**CLIENT:** SMMUSD  
**PROJECT NO:** SMSD-17-7295  
**PROJECT:** Malibu Building J  
**Date:** November 16, 21, December 14, and 26, 2017

Building Name	Sample Number	Component ID	Sample Description	Sample Location	Total PCBs (ppm)
J	1121-07	Exterior window (3'x7' horizontal stack)	Stucco	Room (704) window, exterior south end 2' up, 1"	7.26
J	1121-08		Stucco	Room (704) window, exterior south end 2' up, 3"	4.16
J	1121-09		Stucco	Room (704) window, exterior south end 2' up, 6"	1.45
J	1214-05		Stucco	Room (704) window, exterior south end 2' up, 9"	1.81
J	1214-06		Stucco	Room (704) window, exterior south end 2' up, 12"	1.63
J	1121-10		Exterior window (3'x4' vertical stack)	Brick	Exterior room (723) south window, west end 7' up, 1"
J	1121-13	Exterior window (3'x4' vertical stack)	Stucco	Exterior room (723) south window west end 7' up, 1"	1.51
J	1121-14		Stucco	Exterior room (723) south window west end 7' up, 3"	0.771
J	1121-15		Stucco	Exterior room (723) south window west end 7' up, 6"	1.21
J	1214-07		Stucco	Exterior room (723) south window west end 7' up, 9"	1.76
J	1214-08		Stucco	Exterior room (723) south window west end 7' up, 12"	1.90
Note: Exterior window (3'x4' vertical stack) has brick both inside and outside.					

Summary of Delineation Bulk Sampling

**CLIENT:** SMMUSD  
**PROJECT NO:** SMSD-17-7295  
**PROJECT:** Malibu Building J  
**Date:** November 16, 21, December 14, and 26, 2017

Building Name	Sample Number	Component ID	Sample Description	Sample Location	Total PCBs (ppm)
J	1121-16	Exterior window (3'x7' horizontal stack)	Brick	Exterior side boys physical education office-east window split set south end, 1"	2.62
J	1121-17		Brick	Split duplicate sample with 1121-16	2.57
J	1121-18		Brick	Exterior side boys physical education office-east window south end, 3"	1.48
J	1121-19		Brick	Exterior side boys physical education office-east window, 6"	1.29
J	1214-09		Brick	Exterior side boys physical education office-east window, 9"	1.03
J	1214-10		Brick	Exterior side boys physical education office-east window, 12"	0.791

Summary of Delineation Bulk Sampling

**CLIENT:** SMMUSD  
**PROJECT NO:** SMSD-17-7295  
**PROJECT:** Malibu Building J  
**Date:** November 16, 21, December 14, and 26, 2017

Building Name	Sample Number	Component ID	Sample Description	Sample Location	Total PCBs (ppm)
J	1121-20	Exterior window (3'x7' horizontal stack)	Stucco	Exterior side boys physical education office-east window south end, 1"	21.7
J	1121-21		Stucco	Side by side duplicate with sample number 1116-20	16.2
J	1121-22		Stucco	Exterior side boys physical education office-east window south end, 3"	4.80
J	1121-23		Stucco	Exterior side boys physical education office-east window south end, 6"	2.26
J	1214-11		Stucco	Exterior side boys physical education office-east window south end, 9"	1.62
J	1214-12		Stucco	Boys physical education office-east window south end, 12"	2.30
J	1226-09			Stucco	Exterior side boys physical education office-east window soffit ceiling, 15"
J	1226-10		Stucco	Exterior side boys physical education office-east window soffit ceiling, 18"	Non-detected
J	1226-11		Stucco	Exterior side boys physical education office-east window soffit ceiling, 22"	Non-detected

Summary of Source Bulk Sampling

**CLIENT:** SMMUSD  
**PROJECT NO:** SMSD-17-7295  
**PROJECT:** Malibu Building J  
**Date:** February 12, and 21, 2018

Building Name	Sample Number	Component ID	Sample Description	Sample Location	Total PCBs (ppm)
J	212-07	Vinyl floor tile	9" brown floor tile	705 office, east center	53.3
J	212-08	Vinyl floor tile	Yellow glue for 9" brown floor tile	705 office, east center	976
J	212-09	Vinyl floor tile	9" brown floor tile	705 office northwest corner	6.55
J	212-10	Vinyl floor tile	Yellow glue for 9" brown floor tile	705 office northwest corner	32.6
J	212-11	Vinyl floor tile	9" brown floor tile	705 office north center	1
J	212-12	Vinyl floor tile	Yellow glue for 9" brown floor tile	705 office north center	22.1
J	212-13	Vinyl floor tile	9" tan floor tile	Room 704 northeast end	14.7
J	212-14	Vinyl floor tile	Black mastic for 9" tan floor tile	Room 704 northeast end	1120
J	212-15	Vinyl floor tile	9" tan floor tile	Room 704 southeast end	19.7
J	212-16	Vinyl floor tile	Black mastic for 9" tan floor tile	Room 704 southeast end	2,910
J	212-17	Vinyl floor tile	12" white speckled floor tile	Room 703 northwest end	2.15

Summary of Source Bulk Sampling

**CLIENT:** SMMUSD  
**PROJECT NO:** SMSD-17-7295  
**PROJECT:** Malibu Building J  
**Date:** February 12, and 21, 2018

Building Name	Sample Number	Component ID	Sample Description	Sample Location	Total PCBs (ppm)
J	212-18	Vinyl floor tile	Yellow glue for 12" white speckled floor tile	Room 703 northwest end	Non-detected

Summary of Source Bulk Sampling

**CLIENT:** SMMUSD  
**PROJECT NO:** SMSD-17-7295  
**PROJECT:** Malibu Building J  
**Date:** February 12, and 21, 2018

Building Name	Sample Number	Component ID	Sample Description	Sample Location	Total PCBs (ppm)
J	212-19	Vinyl floor tile	12" white speckled floor tile	Room 703 northeast end	0.64
J	212-20	Vinyl floor tile	Yellow glue for 12" white speckled floor tile	Room 703 northeast end	3.14
J	212-21	Vinyl floor tile	12" white speckled floor tile	Room 724 southwest corner	Non-detected
J	212-21D	Vinyl floor tile	12" white speckled floor tile	Side by side duplicate of 212-21	Non-detected
J	212-22	Vinyl floor tile	Yellow glue for 12" white speckled floor tile	Room 724 southwest corner	Non-detected
J	212-22D	Vinyl floor tile	Yellow glue for 12" white speckled floor tile	Side by side duplicate of 212-22	4.29
J	212-23	Vinyl floor tile	9" tan floor tile	Room 722 10' south of northwest corner	93.5
J	212-24	Vinyl floor tile	Black mastic for 9" tan floor tile	Room 722 10' south of northwest corner	3420



Summary of Source Bulk Sampling

**CLIENT:** SMMUSD  
**PROJECT NO:** SMSD-17-7295  
**PROJECT:** Malibu Building J  
**Date:** February 12, and 21, 2018

Building Name	Sample Number	Component ID	Sample Description	Sample Location	Total PCBs (ppm)
J	22118-FR1	703A	Door caulking	703A - P.E. room southeast	Non-detected
J	22118-FR2	703D	Door caulking	703D - P.E. room northwest	2.15
J	22118-FR3	701A	Door caulking	701A girls locker south entry vestibule south door	3.17
J	22118-FR4	702A	Door caulking	702A girls restroom entry	5.11
J	22118-FR5	725C	Door caulking	725C weight room west entry	8.19
J	22118-FR6	700G	Door caulking	700G gym northwest	2.08
J	22118-FR7	700E	Door caulking	700E gym northwest	192,000
J	22118-FR8	700F	Door caulking	700F gym northwest	12.6
J	22118-FR9	700H	Door caulking	700H gym custodian closet entry	3.94
J	22118-FR10	700A	Door caulking	700A gym northwest	2.75
J	22118-FR11	700I	Door caulking	700I gym storage closet entry	12.9
J	22118-FR12	700J	Door caulking	700J gym storage room entry	0.765
J	22118-FR13	700K	Door caulking	700K mechanical room entry	1.40
J	22118-FR14	700P	Door caulking	700P gym northeast	3.13
J	22118-FR15	700D	Door caulking	700D gym northeast	0.732
J	22118-FR16	700C	Door caulking	700C gym southeast	10.2
J	22118-FR17	700B	Door caulking	700B southwest	1.76
J	22118-FR18	712A	Door caulking	712A girls locker south entry door	Non-detected
J	22118-FR19	704B	Door caulking	704B room 704 vestibule east center entry	2.71
J	22118-FR20	704A	Door caulking	704A room 704 vestibule south entry	257,000
J	22118-FR21	704A	Door caulking	Side by side duplicate of 22118-FR20	195,000
J	22118-FR22	704C	Door caulking	704C room 704 entry	211
J	22118-FR23	705A	Door caulking	705A room 704 vestibule north door	9.22
J	22118-FR24	706	Door caulking	Room 706 south entry door	24.4
J	22118-FR25	706A	Door caulking	Room 706A west entry	11.6
J	22118-FR26		Door caulking	Equipment room inside girls locker at northwest corner	30.2

Summary of Source Bulk Sampling

**CLIENT:** SMMUSD  
**PROJECT NO:** SMSD-17-7295  
**PROJECT:** Malibu Building J  
**Date:** February 12, and 21, 2018

Building Name	Sample Number	Component ID	Sample Description	Sample Location	Total PCBs (ppm)
J	22118-FR27	707C	Door caulking	707C	5.84
J	22118-FR28	707B	Door caulking	At room 707B northwest entry door	1.62
J	22118-FR29	707A	Door caulking	Room 707A east center	9.57
J	22118-FR30	707B	Door caulking	Room 707A north center	9.25
J	22118-FR31	705C	Door caulking	Football storage room	Non-detected
J	22118-FR32	712B	Door caulking	Girls locker north center entry	30.6
J	22118-FR33	713B	Door caulking	Girls restroom south entry	Non-detected
J	22118-FR34	713A	Door caulking	Girls restroom north entry	6.42
J	22118-FR35	714A	Door caulking	Room 714 north entry	Non-detected
J	22118-FR36	715A	Door caulking	Room 715 north entry	Non-detected
J	22118-FR37	716A	Door caulking	Boy's restroom north entry	Non-detected
J	22118-FR38	716B	Door caulking	Boy's restroom south entry	Non-detected
J	22118-FR39	711B	Door caulking	Boy's locker north entry	10.2
J	22118-FR40	718A	Door caulking	Room 718A south entry	Non-detected
J	22118-FR40A	718A	Door caulking	Side by side duplicate of 22118-FR40	3.98
J	22118-FR41	717A	Door caulking	Room 717 north entry	Non-detected
J	22118-FR42	719A	Door caulking	Room 719 north entry	Non-detected
J	22118-FR43	720A	Door caulking	Room 720 north entry	Non-detected
J	22118-FR45	722b	Door caulking	Room 722 northwest	9.32
J	22118-FR46	720b	Door caulking	Room 720 south entry	Non-detected
J	22118-FR47	721B	Door caulking	Room 721A entry	14.9
J	22118-FR48	721A	Door caulking	Room 721 south entry	19.2
J	22118-FR49	723A	Door caulking	Room 723 northeast	5.47
J	22118-FR50	723B	Door caulking	Room 723 southwest	Non-detected
J	22118-FR51	724A	Door caulking	Room 724 southwest	Non-detected
J	22118-FR52	710B	Door caulking	Boy's locker south entry door	7.26

Summary of Source Bulk Sampling

**CLIENT:** SMMUSD  
**PROJECT NO:** SMSD-17-7295  
**PROJECT:** Malibu Building J  
**Date:** February 12, and 21, 2018

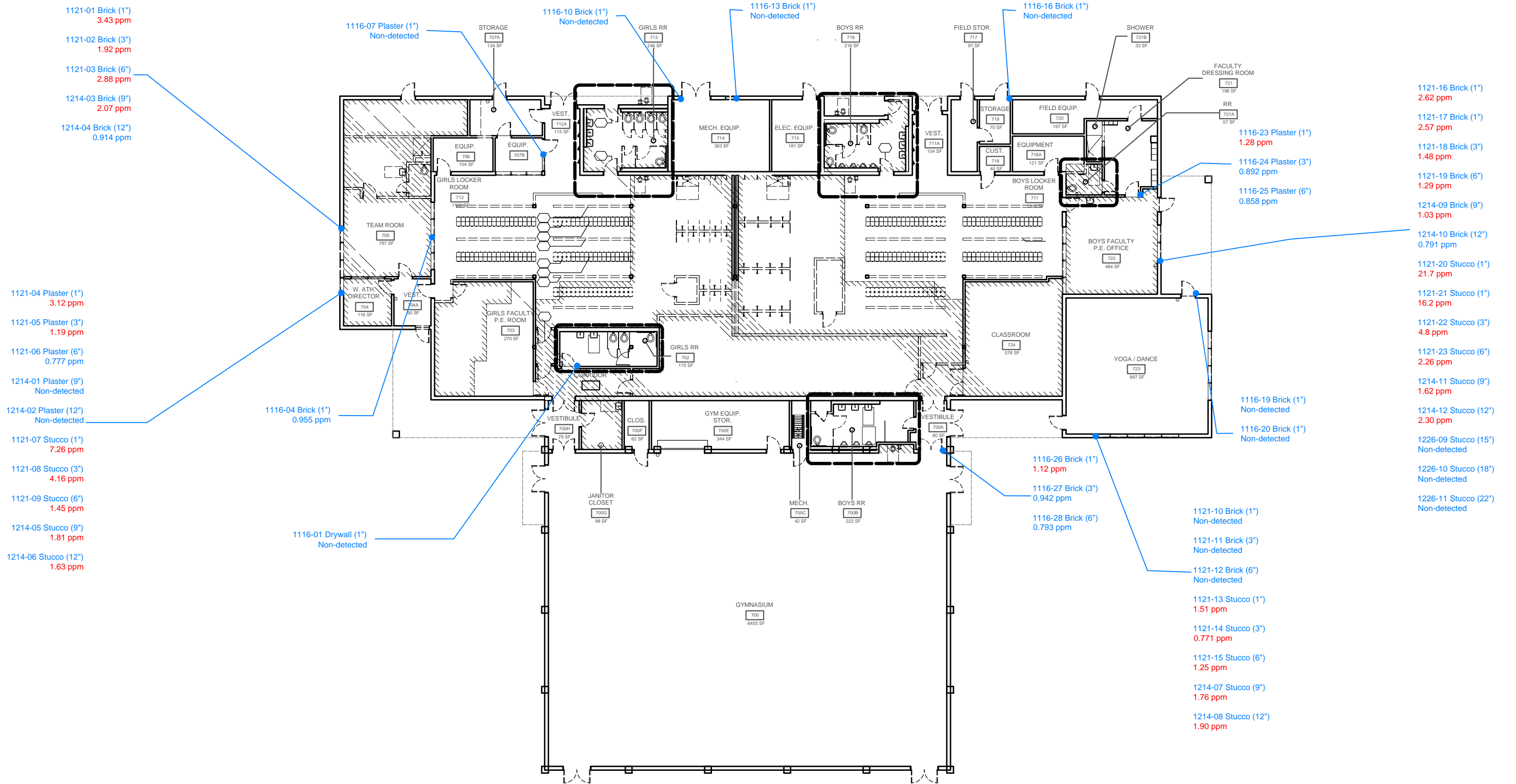
Building Name	Sample Number	Component ID	Sample Description	Sample Location	Total PCBs (ppm)
J	22118-FR53		Door caulking	Weight room east entry	6.62
J	22118-FR54	700O	Door caulking	Gym northeast	3.91
J	22118-FR55	700N	Door caulking	700N gym northeast	4.58
J	22118-FR56	700L	Door caulking	700L boy's restroom east center split set	Non-detected
J	22118-FR57	700L	Door caulking	Split sample with 22118-FR56	6.61
J	22118-FR55A	700N	Door caulking	Side by side duplicate of 22118-FR55	4.90
J	22118-FR58	722A	Door caulking	Room 722 east entry	Non-detected
J	Not sampled	Vent louver	Vent caulking	Exterior north side at mechanical room	Assumed PCB

Note 1: 703B, 725A, 703F, are future doors. No doorcaulking observed at this time.

Note 2: laboratory reported all samples with Aroclor 1254 (PCB)

# Appendix B

## Sample Location Maps



Note: Locations are approximate

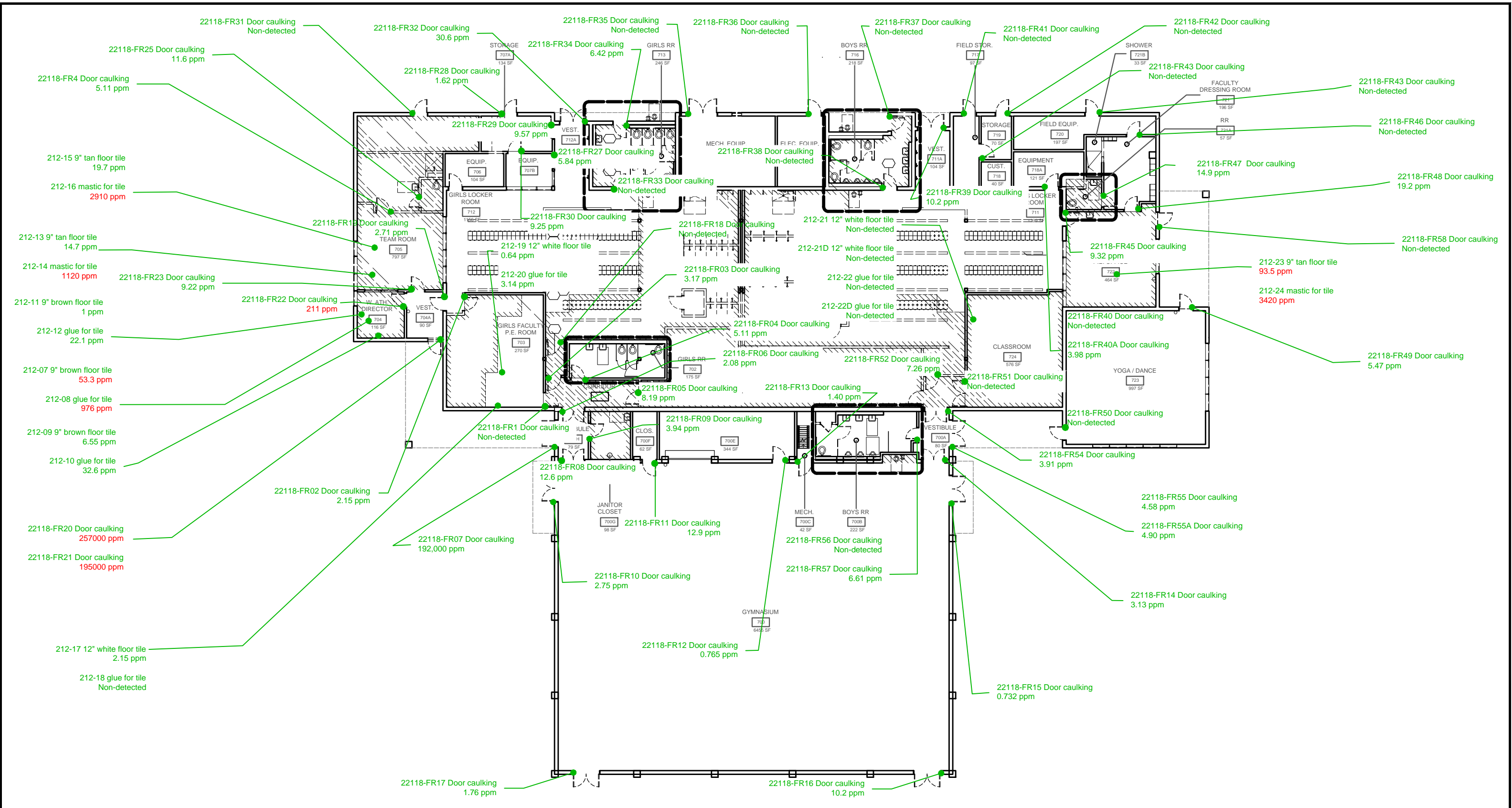
# Bulk Delineation PCB Sample Location Map

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



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-17-7295



Note: Locations are approximate

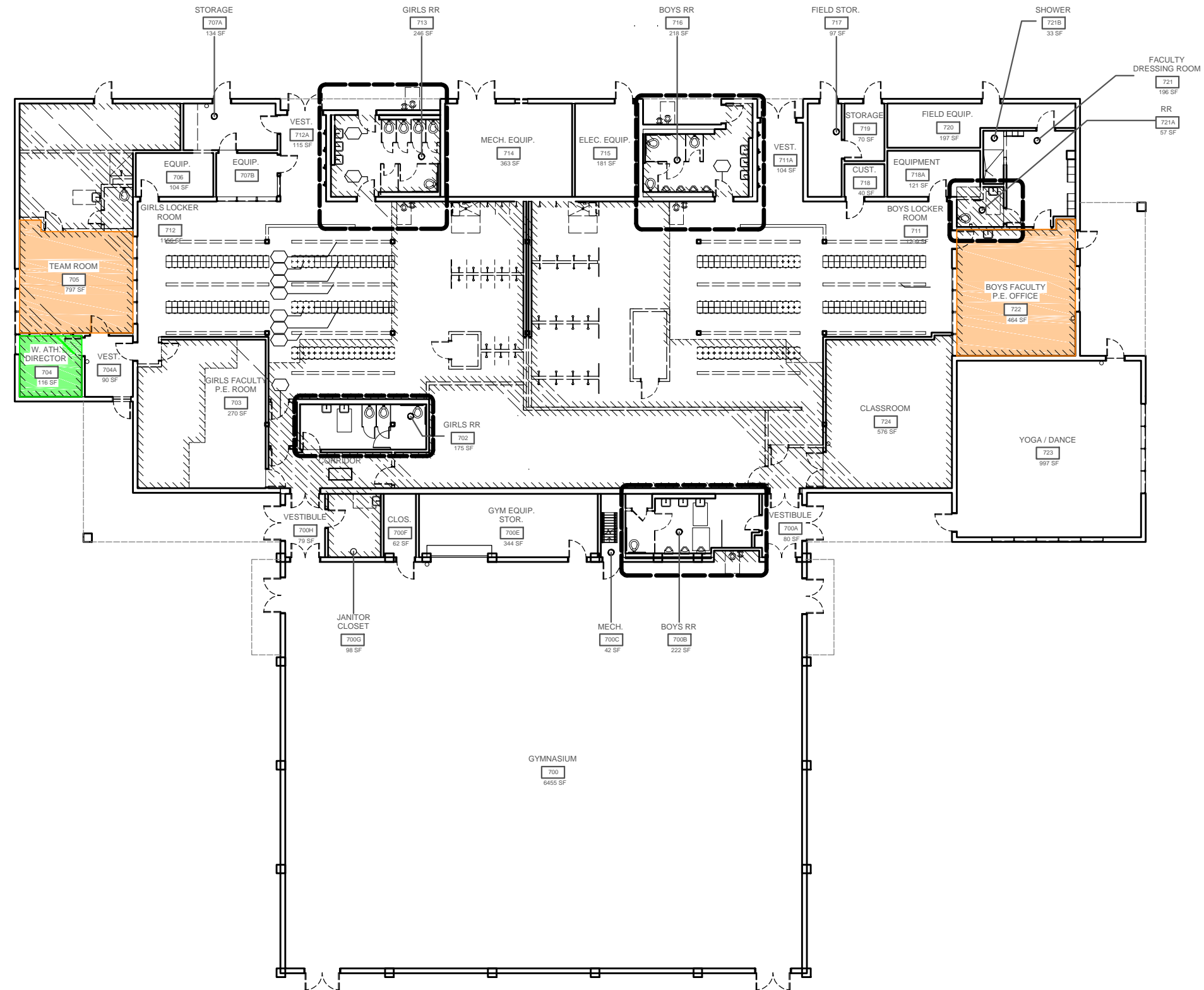
# Bulk Source PCB Sample Location Map

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



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

DATE: October 2018 (revised) | Project No.: SMSD-17-7295



Note: Locations are approximate

**LEGEND**

- PCB Impacted 9" Brown Floor Tile with Yellow Glue
- PCB Impacted 9" Tan Floor Tile with Black Mastic

# PCB Component Sample Location Map

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



3777 Long Beach Blvd. Annex Bldg. Long Beach, California 90807  
 P: (562) 495-5777 ♦ F: (562) 495-5877 ♦ www.altaviron.com

DATE: April 2018 | Project No.: SMSD-17-7295

# Appendix C

## Laboratory Reports



**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**

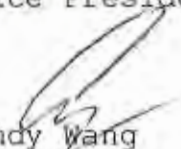
Dear Mr. Ruvalcaba:

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

## 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
<b>Method Blank</b>		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

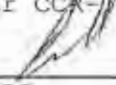
PQL = Practical Quantitation Limit

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	%REC
<b>Sample I.D.</b>		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	%REC
<b>Sample I.D.</b>	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
<b>Sample I.D.</b>						
Tetra-chloro-meta-xylene						
Decachlorobipneyl						

S.R. = Sample Result

\* = Surrogate fail due to matrix interference (if Marked)

spk conc = Spike Concentration

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

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

Analyzed and Reviewed By: \_\_\_\_\_

Final Reviewer: \_\_\_\_\_

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

**RUSH**

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

SAMPLE ID	LAB ID	SAMPLING DATE	TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required								COMMENTS	
								1	2	3	4	5	6	7	8		9
1226-01	171-27-5	12/27/17		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							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: *[Signature]*  
 Project Name/ID: **Maitou HS**  
~~6450-12~~

Relinquished by: *[Signature]* 12/27/17 1250  
 Relinquished by:  
 Relinquished by:

Received by: *[Signature]*  
 Received by:  
 Received by:

Date & Time: 12/27/17 1300  
 Date & Time:  
 Date & Time:

Instructions for Sample Storage After Analysis:  
 Dispose of  Return to Client  Store (30 Days)  
 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 H.S. - Bldg. J**  
Lab I.D.: **171215-22 through -33**

Dear Mr. Ruvalcaba:

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

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

Sincerely,



Curtis Desilets  
Vice President/Program Manager



Andy Wang  
Laboratory Manager

Enviro - Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5807

LABORATORY REPORT

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

PROJECT: Malibu H.S. - Bldg. J

DATE SAMPLED: 12/14/17

MATRIX: SOLID

REPORT TO: MR. CESAR RUVALCABA

DATE RECEIVED: 12/15/17

DATE EXTRACTED: 12/15/17

DATE ANALYZED: 12/15/17

DATE REPORTED: 12/18/17

PCBs ANALYSIS

METHOD: EPA 3540C/8082

UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

Table with columns: SAMPLE I.D., LAB I.D., PCB-1016, PCB-1221, PCB-1232, PCB-1242, PCB-1248, PCB-1254, PCB-1260, TOTAL PCBs\*, DF. Rows include samples 1214-01 to 1214-12 and a Method Blank.

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 CLR-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	%REC
<b>Sample I.D.</b>		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	%REC
<b>Sample I.D.</b>	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
<b>Sample I.D.</b>	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

\* = Surrogate fail due to matrix interference (if Marked)

spk conc = Spike Concentration

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

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

Analyzed and Reviewed By: 

Final Reviewer: 

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

Turnaround Time

- 24 Hours
- 48 Hours
- 72 Hours
- 1 Week (Standard)
- Other:

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

Misc./PO#

Malibu - Bldg J

**RUSH**

EPA Method 8012 - PCBs

Company Name: <u>Alta Environmental</u>		Project Contact: <u>Cesar Ruvalcaba</u>		Sampler's Signature:	
Address: <u>3777 Long Beach Blvd</u>		Tel:		Project Name/ID: <u>Malibu H.S. - Bldg J</u>	
City/State/Zip: <u>Long Beach Ca</u>		Fax:			
Relinquished by:	Received by:	Date & Time: <u>12/15/17</u>	Instructions for Sample Storage After Analysis:		
Relinquished by:	Received by:	Date & Time:	<input type="checkbox"/> Dispose of <input type="checkbox"/> Return to Client <input type="checkbox"/> Store (30 Days)		
Relinquished by:	Received by:	Date & Time:	<input type="checkbox"/> 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 High - Bldg. J**  
Lab I.D.: **171122-48 through -70**

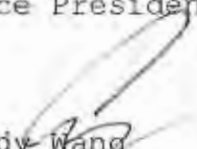
Dear Mr. Ruvalcaba:

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

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

Sincerely,

  
Curtis Desilets  
Vice President/Program Manager

  
Andy Wang  
Laboratory Manager

## LABORATORY REPORT

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

PROJECT: **Malibu High - Bldg. J**

DATE SAMPLED: 11/21/17 DATE RECEIVED: 11/22/17  
 MATRIX: SOLID DATE EXTRACTED: 12/04-05/17  
 REPORT TO: MR. CESAR RUVALCABA DATE ANALYZED: 12/05/17  
 DATE REPORTED: 12/06/17

### PCBs ANALYSIS

METHOD: EPA 3540C/8082

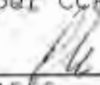
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

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

PQL      0.5      0.5      0.5      0.5      0.5      0.5      0.5      0.5

**COMMENTS**

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

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

# Enviro-Chem, Inc.

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

## EPA 8082 QA/QC Report

Matrix: **Soil/Solid/Sludge**

Date Analyzed: 12/5/2017

Unit: mg/Kg(PPM)

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

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

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

**Lab Control Spike (LCS) Recovery:**

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

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

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

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

S.R. = Sample Result

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

spk conc = Spike Concentration

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

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

Analyzed and Reviewed By: \_\_\_\_\_

Final Reviewer: \_\_\_\_\_

**Fwd: Malibu High - Bldg J**

Curtis B. Desilets &lt;curt.envirocheminc@gmail.com&gt;

Mon, Dec 4, 2017 at 9:51 AM

To: Jessica Lin &lt;envirocheminc@gmail.com&gt;, "JH (Enviro-chem)" &lt;jh04envirocheminc@gmail.com&gt;, Brett Johnston &lt;brett@adinservices.com&gt;

On the second set of ALTA samples we need to run all of the 3" and 6" samples except for 171122-58 and 59.

Holding time for the extraction is up on Tuesday (12/5/17), tomorrow, so please make sure all extracts are done. Analysis can wait until later in the week if need be.

171122-48-72. Thanks!! - Curtis

----- Forwarded message -----

From: **Cesar Ruvalcaba** <Cesar.Ruvalcaba@altaenviron.com>

Date: Mon, Dec 4, 2017 at 9:29 AM

Subject: RE: Malibu High - Bldg J

To: "Curtis B. Desilets" <curt.envirocheminc@gmail.com>, David Schack <David.Schack@altaenviron.com>

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

Normal TAT thanks.

**Cesar Ruvalcaba**

PROJECT MANAGER



*Expertise to Reduce Your Environmental and Safety Risks*

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

o. 562.495.5777 | c. 310.951.9185 | f. 562.495.5877

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

2017 Compliance Calendar [download here](#).

OSHA Alert: New Worker Health & Safety Requirement for silica. [Read More Here](#).



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


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

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


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

EPA method 882 test

Company Name: Alpha Environmental Project Contact: Cesar Rumbach Sampler's Signature: 

Address: 3777 Long Beach Blvd Tel:                      Project Name/ID: Malibu Hel. 5147

City/State/Zip: Long Beach Ca Fax:                     

Relinquished by:  Date & Time: 11/22/2017 10:11 AM

Relinquished by:                      Date & Time:                     

Relinquished by:                      Date & Time:                     

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

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

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

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required								COMMENTS	Misc./PO#
1121-16	1711-63	11/21/17	1900	Bulk	1 x 100		Ice	X								1"	
17	-64		1900		1 x 100			X								1"	
18	-65		1930		1 x 100			X								Archive 3"	
19	-66		2000		1 x 100			X								Archive 6"	
20	-67		2030		1 x 100			X								1"	
21	-68		2031		1 x 100			X								1"	
22	-69		2033		1 x 100			X								Archive 3"	
23	-70		2040		1 x 100			X								Archive 6"	

EPA Method 8082 PCBs

Company Name: Alta Environmental	Project Contact: Cesar Punalca	Sampler's Signature: 
Address: 3777 Long Beach Blvd	Tel:	Project Name/ID: Malibu High - Bldg J
City/State/Zip: Long Beach Ca	Fax:	Date & Time: 11/22/2017 12:11 PM
Relinquished by: 	Received by:	Date & Time:
Relinquished by:	Received by:	Date & Time:
Relinquished by:	Received by:	Date & Time:

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

**CHAIN OF CUSTODY RECORD**

WHITE WITH SAMPLE • YELLOW TO CLIENT

Date: 11-22-17

**Enviro - Chem, Inc.**

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

Date: December 1, 2017

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

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

Dear Mr. Ruvalcaba:


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

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

Sincerely,



Curtis Desilets  
Vice President/Program Manager



Andy Wang  
Laboratory Manager

### LABORATORY REPORT

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

PROJECT: **Malibu High - Bldg, J**

DATE SAMPLED: 11/21/17 DATE RECEIVED: 11/22/17  
 MATRIX: SOLID DATE EXTRACTED: 11/27-28/17  
 REPORT TO: MR. CESAR RUVALCABA DATE ANALYZED: 11/28&29/17  
 DATE REPORTED: 12/01/17

**PCBs ANALYSIS**

METHOD: EPA 3540C/8082

UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

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

**Method Blank** ND ND ND ND ND ND ND ND ND 1

**PQL** 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5

**COMMENTS**

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

Data Reviewed and Approved by: *[Signature]*  
 CAL-DHS ELAP CERTIFICATE No.: 1555



# Enviro-Chem, Inc.

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

## EPA 8082 QA/QC Report

Matrix: **Soil/Solid/Sludge**

Date Analyzed: 11/28-29/2017

Unit: mg/Kg(PPM)

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

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

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

**Lab Control Spike (LCS) Recovery:**

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	0.100	0.090	<b>90%</b>	<b>75-125</b>

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

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

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

S.R. = Sample Result

\* = Surrogate fail due to matrix interference (if Marked)

spk conc = Spike Concentration

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

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

Analyzed and Reviewed By: 

Final Reviewer: 

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


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


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

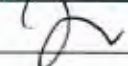
FPA added  
8/2/2017

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

Project Contact: Cesar Ruvalec  
 Tel:  
 Fax:

Sampler's Signature:   
 Project Name/ID: Malibu High - 504 T

Relinquished by:   
 Relinquished by:  
 Relinquished by:

Received by:   
 Received by:  
 Received by:

Date & Time: 11/22/2017  
10:11 AM  
 Date & Time:  
 Date & Time:

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

**CHAIN OF CUSTODY RECORD**

Date: 11-22-17

WHITE WITH SAMPLE • YELLOW TO CLIENT

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

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

SAMPLE ID	LAB ID	SAMPLING DATE TIME		MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required								COMMENTS	
		DATE	TIME														
1121-16	171122-63	11/21/17	1900	Bulk	1 <del>1</del>		ICE	X									1"
17	- 64		1900		1 X <del>1</del>			X									1"
18	- 65		1930		1 X			X									archive 3"
19	- 66		2000		1 X			X									↓ 6"
20	- 67		2030		1 X			X									1"
21	- 68		2031		1 X			X									1"
22	- 69		2033		1 X			X									archive 3"
23	- 70		2040		1 X			X									↓ 6"

EPA Method  
8082 PCBs

Misc./PO#  
Bldg J

Company Name: <u>Alta Environmental</u>		Project Contact: <u>Cesar Ruvalecabe</u>		Sampler's Signature:	
Address: <u>3777 Long Beach Blvd</u>		Tel: _____		Project Name/ID: <u>Malibu High - Bldg J</u>	
City/State/Zip: <u>Long Beach Ca</u>		Fax: _____			
Relinquished by:	Received by:	Date & Time: <u>11/22/2017 12:11 PM</u>	Instructions for Sample Storage After Analysis:		
Relinquished by: _____	Received by: _____	Date & Time: _____	<input type="checkbox"/> Dispose of <input type="checkbox"/> Return to Client <input type="checkbox"/> Store (30 Days)		
Relinquished by: _____	Received by: _____	Date & Time: _____	<input type="checkbox"/> Other: _____		

**CHAIN OF CUSTODY RECORD**

Date: 11-22-17

WHITE WITH SAMPLE • YELLOW TO CLIENT

**Enviro - Chem, Inc.**

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

Date: December 14, 2017

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

Project: **Malibu High - Bldg. J**  
Lab I.D.: **171117-31 through -58**

Dear Mr. Ruvalcaba:

The **additional PCBs results** for the solid samples, received by our laboratory on November 17, 2017, are attached. The samples were received chilled, intact, accompanying chain of custody and also stored per the EPA protocols.

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

Sincerely,



Curtis Desilets  
Vice President/Program Manager



Andy Wang  
Laboratory Manager

**LABORATORY REPORT**

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

PROJECT: **Malibu High - Bldg. J**

DATE SAMPLED: 11/16/17

MATRIX: SOLID

REPORT TO: MR. CESAR RUVALCABA

DATE RECEIVED: 11/17/17

DATE EXTRACTED: 12/11-12/17

DATE ANALYZED: 12/13/17

DATE REPORTED: 12/14/17

**PCBs ANALYSIS**

METHOD: EPA 3540C/8082

UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	PCB- 1016	PCB- 1221	PCB- 1232	PCB- 1242	PCB- 1248	PCB- 1254	PCB- 1260	TOTAL PCBs*	DF
<u>1116-24</u>	<u>171117-54</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>0.892</u>	<u>ND</u>	<u>0.892</u>	<u>1</u>
<u>1116-25</u>	<u>171117-55</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>0.858</u>	<u>ND</u>	<u>0.858</u>	<u>1</u>
<u>1116-27</u>	<u>171117-57</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>0.942</u>	<u>ND</u>	<u>0.942</u>	<u>1</u>
<u>1116-28</u>	<u>171117-58</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>0.793</u>	<u>ND</u>	<u>0.793</u>	<u>1</u>
<u>Method Blank</u>		<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>1</u>

**PQL 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5**

**COMMENTS**

DF = Dilution Factor

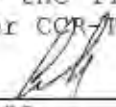
PQL = Practical Quantitation Limit

Actual Detection Limit = DF X PQL

ND = Non-Detected Or Below the Actual Detection Limit

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

\*\*\* = The concentration exceeds the TTLC Limit of 50, and the sample is defined as hazardous waste as per CCP/TITLE 22 (if marked)

Data Reviewed and Approved by: 

CAI-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: 12/13-14/2017

Unit: mg/Kg(PPM)

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

Spiked Sample Lab I.D.: **171213-LCS1/2**

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
PCB (1016+1260)	0.000	0.100	0.105	<b>105%</b>	0.106	<b>106%</b>	<b>1%</b>	<b>0-20%</b>	<b>70-130</b>

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	0.100	0.109	<b>109%</b>	<b>75-125</b>

Surrogate Recovery	ACP%	ACP%	%REC	%REC	%REC	%REC	%REC	%REC	%REC
<b>Sample I.D.</b>		MB	171117-54	171117-55	171117-57	171117-58			
Tetra-chloro-meta-xylene	50-150	133%	133%	136%	137%	130%			
Decachlorobipneyl	50-150	73%	102%	89%	92%	100%			

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
<b>Sample I.D.</b>									
Tetra-chloro-meta-xylene									
Decachlorobipneyl									

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC
<b>Sample I.D.</b>						
Tetra-chloro-meta-xylene						
Decachlorobipneyl						

S.R. = Sample Result

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

spk conc = Spike Concentration

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

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

Analyzed and Reviewed By: \_\_\_\_\_

Final Reviewer: \_\_\_\_\_

**Fwd: Malibu High - Bldg J**

**Curtis B. Desilets** <curl.envirocheminc@gmail.com>  
To: Jessica Lin <envirocheminc@gmail.com>

Tue, Dec 12, 2017 at 12:51 PM

Please get started ASAP..

Forwarded message  
From: **Cesar Ruvalcaba** <Cesar.Ruvalcaba@altaenviro.com>  
Date: Tue, Dec 12, 2017 at 12:49 PM  
Subject: FW: Malibu High - Bldg J  
To: "Curtis B. Desilets" <curl.envirocheminc@gmail.com>

No I have this one. the one I need it may have slip through the cracks. It looks like I may have not submitted the request. It is for the attached. I need the three and six inch samples (24, 25, 27, and 28). Has it exceeded holding times? Can these sample still be analyzed within the holding time limits?

171117-54, 55, -57, -58  
Cesar Ruvalcaba  
PROJECT MANAGER



Expertise to Reduce Your Environmental and Safety Risks

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

TEL: 562-495-9777 | FAX: 562-495-4485 | E: enviro@altaenviro.com

Cesar.Ruvalcaba@altaenviro.com | www.altaenviro.com

2017 Compliance Calendar [download here](#).

DSHA Alert: New Worker Health & Safety Requirement for silica. [Read More Here](#).



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

THIS MESSAGE CONTAINS CONFIDENTIAL INFORMATION WHICH ALSO MAY BE LEGALLY PRIVILEGED OR OTHERWISE PROTECTED BY THE LAW OF THE UNITED STATES OR ANY OTHER COUNTRY. IF YOU ARE NOT THE INTENDED RECIPIENT AND HAVE RECEIVED THIS MESSAGE IN ERROR, PLEASE CONTACT THE SENDER IMMEDIATELY BY TELEPHONE OR BY E-MAIL TO REPORT THIS MESSAGE TO THE SENDER. YOU SHOULD NOT DISSEMINATE, COPY, REPRODUCE, OR TAKE ANY ACTION ON THE BASIS OF THE INFORMATION CONTAINED HEREIN. IF YOU ARE THE INTENDED RECIPIENT AND HAVE RECEIVED THIS MESSAGE IN ERROR, PLEASE CONTACT THE SENDER IMMEDIATELY BY TELEPHONE OR BY E-MAIL TO REPORT THIS MESSAGE TO THE SENDER. YOU SHOULD NOT DISSEMINATE, COPY, REPRODUCE, OR TAKE ANY ACTION ON THE BASIS OF THE INFORMATION CONTAINED HEREIN.

**From:** Cesar Ruvalcaba  
**Sent:** Tuesday, December 12, 2017 12:35 PM  
**To:** Curtis B. Desilets <curl.envirocheminc@gmail.com>  
**Subject:** FW: Malibu High - Bldg J

Curtis,  
We have not received results for this request. Are you still working on it?

**From:** Cesar Ruvalcaba  
**Sent:** Monday, December 04, 2017 9:30 AM  
**To:** Curtis B. Desilets <curl.envirocheminc@gmail.com>; David Schack <David.Schack@altaenviro.com>  
**Subject:** RE: Malibu High - Bldg J

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

[Quoted text hidden]  
[Quoted text hidden]

171117-31-58 (11-16-17 1 inch).pdf  
474K

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

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

MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	EPA Method 8000 PCBs										Misc./PO#

SAMPLE ID	LAB ID	SAMPLING DATE TIME		MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required										COMMENTS	
		DATE	TIME																
116-1	171117-31	11-16-17	1530	Bulk	1		ICE	X											1"
2	- 32		1531		1			X											archive 3"
3	- 33		1532		1			X											↓ 6"
4	- 34		1545		1			X											1"
5	- 35		1547		1			X											archive 3"
6	- 36		1548		1			X											↓ 6"
7	- 37		1600		1			X											1"
8	- 38		1601		1			X											archive 3"
9	- 39		1607		1			X											↓ 6"
10	- 40		1610		1			X											1"
11	- 41		1611		1			X											archive 3"
12	- 42		1612		1			X											↓ 6"
13	- 43		1630		1			X											1"
14	- 44		1632		1			X											archive 3"
15	- 45		1633		1			X											↓ 6"

Company Name: <u>Atter Environmental</u>	Project Contact: <u>Cesar Ruzakaba</u>	Sampler's Signature:
Address: <u>3777 Long Beach Blvd</u>	Tel:	Project Name/ID: <u>Mathe High - Bldg J</u>
City/State/Zip: <u>Long Beach Ca</u>	Fax:	

Relinquished by:	Received by:	Date & Time: <u>11/17/17 1110</u>	Instructions for Sample Storage After Analysis: <input type="radio"/> Dispose of <input type="radio"/> Return to Client <input type="radio"/> Store (30 Days) <input type="radio"/> Other:
Relinquished by:	Received by:	Date & Time:	
Relinquished by:	Received by:	Date & Time:	

**CHAIN OF CUSTODY RECORD**

Date: 11-17-17

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

Misc./PO#

Bldg J

SAMPLE ID	LAB ID	SAMPLING DATE TIME		MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required				COMMENTS
1116-16	171117-46	11-16-17	1635	Bulk	1	ICE	X					1"
-17	-47		1636		1		X					archive 3"
-18	-48		1637		1		X					↓ 6"
-19	-49		1645		1		X					1"
-20	-50		1645		1		X					1"
-21	-51		1644		1		X					archive 3"
-22	-52		1650		1		X					↓ 6"
-23	-53		1730		1		X					1"
-24	-54		1732		1		X	X				archive 3"
25	-55		1735		1		X	X				↓ 6"
26	-56		1745		1		X					1"
27	-57		1748		1		X	X				archive 3"
28	-58		1750		1		X	X				↓ 6"

EPA Method #82-PCBC  
 Add PCBs  
 By normal HPLC  
 TAP  
 TAPUSH

Company Name: <u>Alta Environmental</u>		Project Contact: <u>Cesar Pineda</u>		Sampler's Signature: <u>[Signature]</u>	
Address: <u>8777 Long Beach Blvd</u>		Tel:		Project Name/ID: <u>Matlab High - Bldg J</u>	
City/State/Zip: <u>Long Beach Ca</u>		Fax:			
Relinquished by: <u>[Signature]</u>	Received by: <u>[Signature]</u>	Date & Time: <u>11/17/17 1110</u>	Instructions for Sample Storage After Analysis:		
Relinquished by:	Received by:	Date & Time:	<input checked="" type="checkbox"/> Dispose of <input type="checkbox"/> Return to Client <input type="checkbox"/> Store (30 Days)		
Relinquished by:	Received by:	Date & Time:	<input type="checkbox"/> Other:		

**CHAIN OF CUSTODY RECORD**

Date: 11-17-17

WHITE WITH SAMPLE - YELLOW TO CLIENT

**Enviro - Chem, Inc.**

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

Date: November 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 High - Bldg. J**  
Lab I.D.: **171117-31 through -58**

Dear Mr. Ruvalcaba:

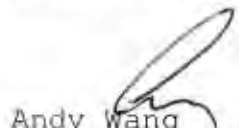
The **analytical results** for the solid samples, received by our laboratory on November 17, 2017, are attached. The samples were received intact, and accompanying chain of custody.

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

Sincerely,



Curtis Desilets  
Vice President/Program Manager



Andy Wang  
Laboratory Manager

### LABORATORY REPORT

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

DATE SAMPLED: 11/16/17 DATE RECEIVED: 11/17/17  
 MATRIX: SOLID DATE EXTRACTED: 11/20-21/17  
 REPORT TO: MR. CESAR RUVALCABA DATE ANALYZED: 11/21/17  
 DATE REPORTED: 11/28/17

**PCBs ANALYSIS**

METHOD: EPA 3540C/8082

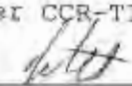
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	PCB- 1016	PCB- 1221	PCB- 1232	PCB- 1242	PCB- 1248	PCB- 1254	PCB- 1260	TOTAL PCBs*	DF
1116-1	171117-31	ND	ND	ND	ND	ND	ND	ND	ND	1
1116-4	171117-34	ND	ND	ND	ND	ND	0.955	ND	0.955	1
1116-7	171117-37	ND	ND	ND	ND	ND	ND	ND	ND	1
1116-10	171117-40	ND	ND	ND	ND	ND	ND	ND	ND	1
1116-13	171117-43	ND	ND	ND	ND	ND	ND	ND	ND	1
1116-16	171117-46	ND	ND	ND	ND	ND	ND	ND	ND	1
1116-19	171117-49	ND	ND	ND	ND	ND	ND	ND	ND	1
1116-20	171117-50	ND	ND	ND	ND	ND	ND	ND	ND	1
1116-23	171117-53	ND	ND	ND	ND	ND	1.28	ND	1.28	1
1116-26	171117-56	ND	ND	ND	ND	ND	1.12	ND	1.12	1
<b>Method Blank</b>		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: 11/21/2017

Unit: mg/Kg(PPM)

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

Spiked Sample Lab I.D.: **171121-LCS1/2**

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
PCB (1016+1260)	0.000	0.100	0.097	97%	0.102	102%	5%	0-20%	70-130

### Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	0.100	0.119	119%	75-125

Surrogate Recovery	ACP%	ACP%	%REC	%REC	%REC	%REC	%REC	%REC	%REC
<b>Sample I.D.</b>		MB	171117-31	171117-34	171117-37	171117-40	171117-43	171117-46	
Tetra-chloro-meta-xylene	50-150	112%	114%	105%	121%	110%	112%	111%	
Decachlorobipneyl	50-150	74%	127%	103%	98%	82%	108%	96%	

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
<b>Sample I.D.</b>	171117-49	171117-50	171117-53	171117-56	171117-59	171117-62	171117-65	171117-68	
Tetra-chloro-meta-xylene	110%	110%	111%	111%	111%	113%	110%	111%	
Decachlorobipneyl	85%	88%	100%	95%	86%	95%	74%	116%	

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
<b>Sample I.D.</b>	171117-69	171117-72	171117-75						
Tetra-chloro-meta-xylene	112%	110%	111%						
Decachlorobipneyl	106%	104%	77%						

S.R. = Sample Result

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


spk conc = Spike Concentration


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

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

Analyzed and Reviewed By: 

Final Reviewer: 

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

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

SAMPLE ID	LAB ID	SAMPLING DATE TIME		MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required								COMMENTS
116-1	171117-31	11-16-17	1530	Bulk	1		ICE	X								1"
2	- 32		1531		1			X								archive 3"
3	- 33		1532		1			X								± 6"
4	- 34		1545		1			X								1"
5	- 35		1547		1			X								archive 3"
6	- 36		1548		1			X								± 6"
7	- 37		1600		1			X								1"
8	- 38		1601		1			X								archive 3"
9	- 39		1607		1			X								± 6"
10	- 40		1610		1			X								1"
11	- 41		1611		1			X								archive 3"
12	- 42		1612		1			X								± 6"
13	- 43		1630		1			X								1"
14	- 44		1632		1			X								archive 3"
15	- 45		1633		1			X								± 6"

EPA Method 8081 PCBs

Misc./PO#

Company Name: <u>Altus Environmental</u>		Project Contact: <u>Cesar Rivaloba</u>		Sampler's Signature:	
Address: <u>3777 Long Beach Blvd</u>		Tel:		Project Name/ID: <u>Mulberry High - Bldg J</u>	
City/State/Zip: <u>Long Beach Ca</u>		Fax:			
Relinquished by:	Received by:	Date & Time: <u>11/17/17 11:00</u>	Instructions for Sample Storage After Analysis:		
Relinquished by:	Received by:	Date & Time:	<input type="checkbox"/> Dispose of <input type="checkbox"/> Return to Client <input type="checkbox"/> Store (30 Days)		
Relinquished by:	Received by:	Date & Time:	<input type="checkbox"/> Other:		

**CHAIN OF CUSTODY RECORD**

Date: 11-17-17

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

Misc./PO#

Bldg J

EPA Method  
 #1631 - PCBs

SAMPLE ID	LAB ID	SAMPLING DATE TIME		MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required				COMMENTS
116-16	171117-46	11-16-17	1635	Bulk	1		ICE	X				1"
-17	-47		1636		1			X				archive 3"
-18	-48		1637		1			X				↓ 6"
-19	-49		1645		1			X				1"
-20	-50		1645		1			X				1"
-21	-51		1644		1			X				archive 3"
-22	-52		1650		1			X				↓ 6"
-23	-53		1730		1			X				1"
-24	-54		1732		1			X				archive 3"
25	-55		1735		1			X				↓ 6"
26	-56		1745		1			X				1"
27	-57		1748		1			X				archive 3"
28	-58		1750		1			X				↓ 6"

Company Name:

Alta Environmental

Project Contact:

Cesar Peralta

Sampler's Signature:

*[Signature]*

Address:

3777 Long Beach Blvd

Tel:

Project Name/ID:

Malibu High - Bldg J

City/State/Zip:

Long Beach Ca

Fax:

Relinquished by:

*[Signature]*

Received by:

*[Signature]*

Date & Time:

11/17/17 1110

Instructions for Sample Storage After Analysis:

Dispose of  Return to Client  Store (30 Days)  
 Other

Relinquished by:

Received by:

Date & Time:

Relinquished by:

Received by:

Date & Time:

**CHAIN OF CUSTODY RECORD**

Date: 11-17-17

WRITE WITH SAMPLE - YELLOW TO CLIENT

Page 2 of 2

# Appendix D

## Photographs

# Malibu High School – Building J (delineation)

**1116-01 thru 1116-03**



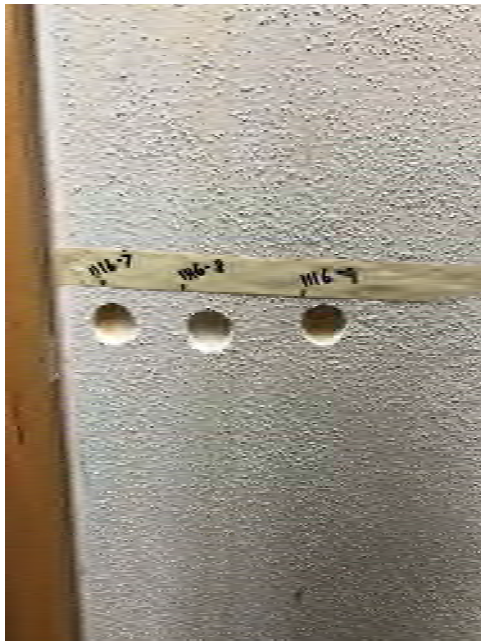
**1116-04 thru 1116-06**





# Malibu High School – Building J (delineation)

**1116-07 thru 1116-09**



**1116-10 thru 1116-12**



# Malibu High School – Building J (delineation)

**1116-13 thru 1116-15**

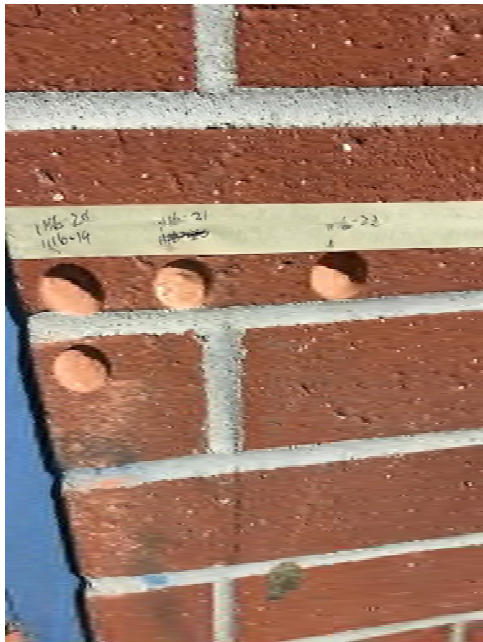


**1116-16 thru 1116-18**



# Malibu High School – Building J (delineation)

**1116-19 thru 1116-22**



**1116-23 thru 1116-26**



# Malibu High School – Building J (delineation)

**1116-26 thru 1116-28**



**1121-01 thru 1121-03**



# Malibu High School – Building J (delineation)

## **1214-03**

- No photo taken

## **1214-04**

- No photo taken

# Malibu High School – Building J (delineation)

**1121-04 thru 1121-06**



**1214-01**

- No photo taken

# Malibu High School – Building J (delineation)

**1214-02**

- No photo taken

**1121-07 thru 1121-09**



# Malibu High School – Building J (delineation)

## **1214-05**

- No photo taken

## **1214-06**

- No photo taken



# Malibu High School – Building J (delineation)

**1121-10 thru 1121-12**



**1121-13 thru 1121-15**



# Malibu High School – Building J (delineation)

## **1214-07**

- No photo taken

## **1214-08**

- No photo taken

# Malibu High School – Building J (delineation)

**1121-16 thru 1121-19**



**1214-09**

- No photo taken

# Malibu High School – Building J (delineation)

**1214-10**

- No photo taken

**1121-20 thru 1121-23**



# Malibu High School – Building J (delineation)

## **1214-11**

- No photo taken

## **1214-12**

- No photo taken

# Malibu High School – Building J (delineation)

**1226-09 thru 1226-11**



# Malibu High School – Building J (Source)

**212-07, 212-08**



**212-09, 212-10**



# Malibu High School – Building J (Source)

212-11, 212-12



212-13, 212-14



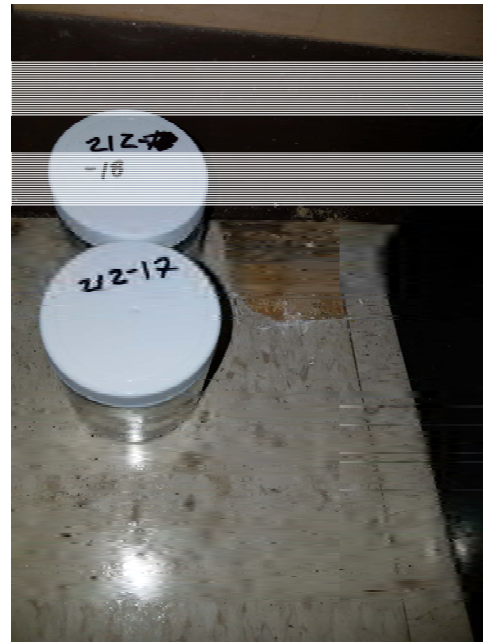


# Malibu High School – Building J (Source)

**212-15, 212-16**

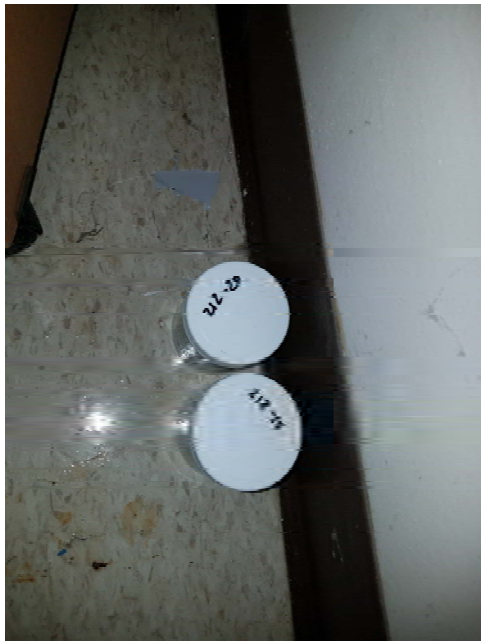


**212-17, 212-18**



# Malibu High School – Building J (Source)

**212-19, 212-20**



**212-21, 212-21D, 212-22, 212-22D**



# Malibu High School – Building J (Source)

**212-23, 212-24**



**22118-FR1**

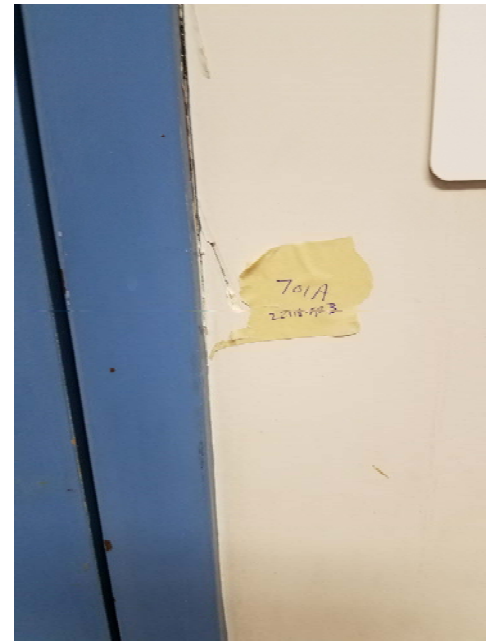
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# Malibu High School – Building J (Source)

## 22118-FR2

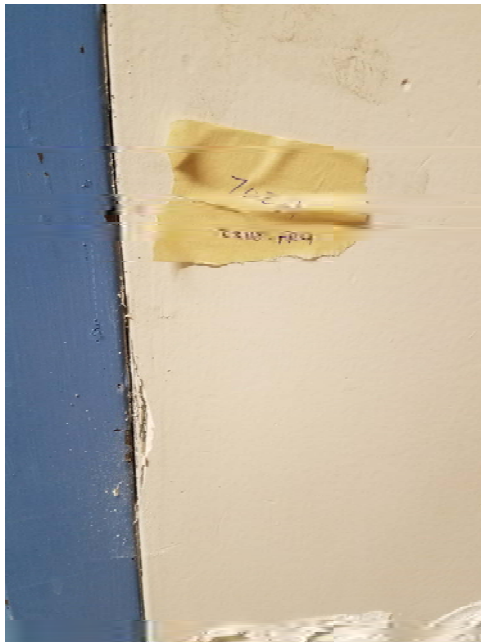
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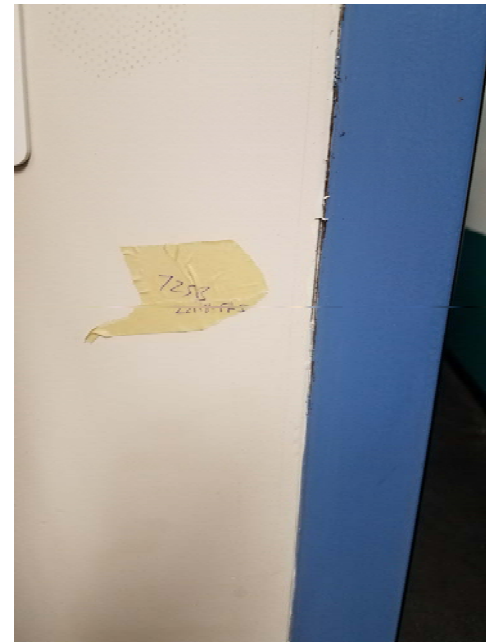


# Malibu High School – Building J (Source)

**22118-FR4**



**22118-FR5**



# Malibu High School – Building J (Source)

## **22118-FR6**

- No photo taken

## **22118-FR7**

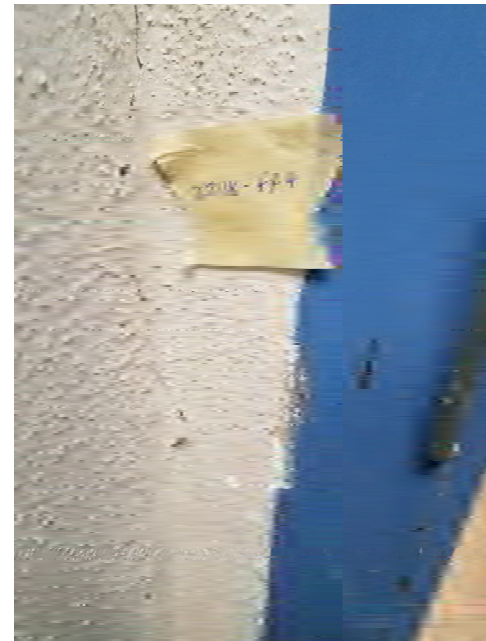
- No photo taken

# Malibu High School – Building J (Source)

## 22118-FR8

- No photo taken

## 22118-FR9



# Malibu High School – Building J (Source)

**22118-FR10**

- No photo taken

**22118-FR11**





# Malibu High School – Building J (Source)

## **22118-FR12**

- No photo taken

## **22118-FR13**

- No photo taken

# Malibu High School – Building J (Source)

## **22118-FR14**

- No photo taken

## **22118-FR15**

- No photo taken

# Malibu High School – Building J (Source)

## **22118-FR16**

- No photo taken

## **22118-FR17**

- No photo taken

# Malibu High School – Building J (Source)

**22118-FR18**



**22118-FR19**



# Malibu High School – Building J (Source)

## **22118-FR20**

- No photo taken

## **22118-FR21**

- No photo taken

# Malibu High School – Building J (Source)

**22118-FR22**



**22118-FR23**



# Malibu High School – Building J (Source)

## **22118-FR24**

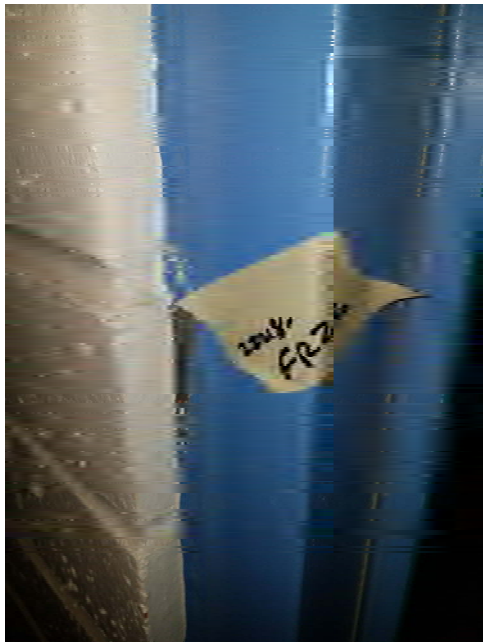
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## **22118-FR25**

- No photo taken

# Malibu High School – Building J (Source)

**22118-FR26**



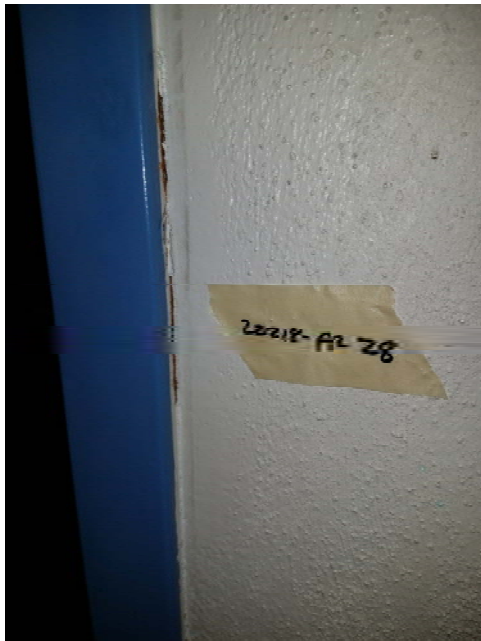
**22118-FR27**





# Malibu High School – Building J (Source)

**22118-FR28**



**22118-FR29**



# Malibu High School – Building J (Source)

**22118-FR30**

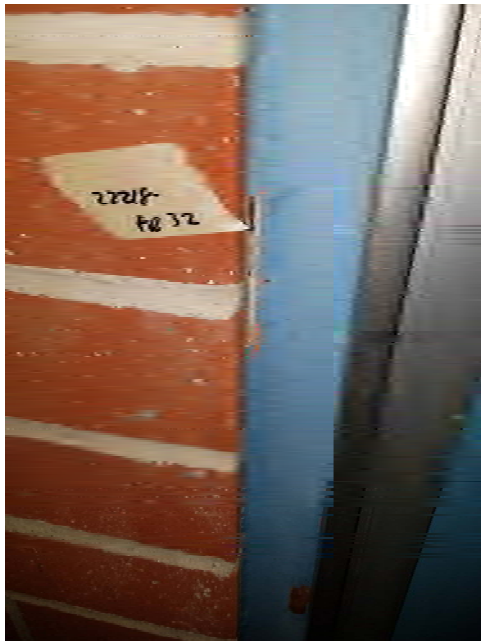


**22118-FR31**



# Malibu High School – Building J (Source)

**22118-FR32**



**22118-FR33**

- No photo taken

# Malibu High School – Building J (Source)

**22118-FR34**



**22118-FR35**



# Malibu High School – Building J (Source)

**22118-FR36**



**22118-FR37**



# Malibu High School – Building J (Source)

**22118-FR38**

- No photo taken

**22118-FR39**



# Malibu High School – Building J (Source)

## 22118-FR40

- No photo taken

## 22118-FR41



# Malibu High School – Building J (Source)

**22118-FR42, 22118-FR43A**



**22118-FR43**





# Malibu High School – Building J (Source)

**22118-FR44**

- No photo taken

**22118-FR45**



# Malibu High School – Building J (Source)

**22118-FR46**

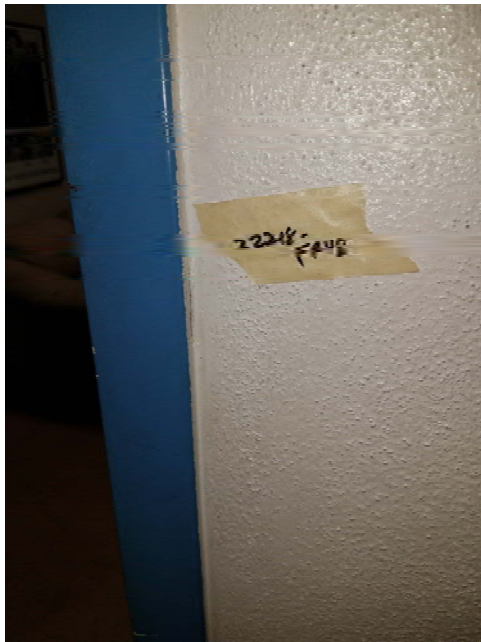


**22118-FR47**



# Malibu High School – Building J (Source)

**22118-FR48**

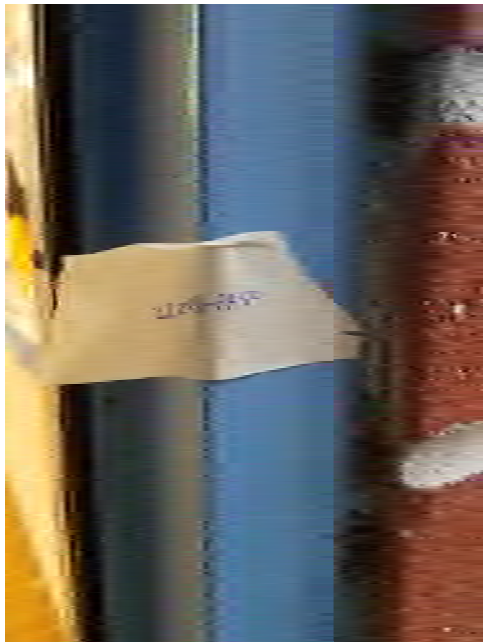


**22118-FR49**



# Malibu High School – Building J (Source)

**22118-FR50**



**22118-FR51**

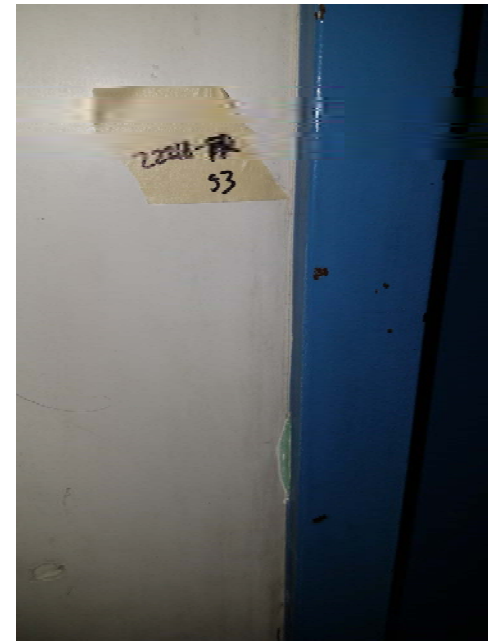


# Malibu High School – Building J (Source)

**22118-FR52**



**22118-FR53**



# Malibu High School – Building J (Source)

**22118-FR54**



**22118-FR55, 22118-FR55A**



# Malibu High School – Building J (Source)

**22118-FR56, 22118-FR57**



**22118-FR58**

