



SOURCE BULK SAMPLING IN FLOORING MATERIALS REPORT

Buildings F, G, and I
Malibu High School
30215 Morning View Drive
Malibu, California 90265

Prepared for:

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

Project No.: SMSD-17-7327

Reported Date: February 20, 2018

Alta Environmental

3777 Long Beach Boulevard Annex Building
Long Beach CA 90807 United States of America
T (562) 495 5777 F (562) 495 5877
Toll-free (US only) 800 777-0605 altaenviron.com

EXECUTIVE SUMMARY

On behalf of the Santa Monica-Malibu Unified School District (District), Alta Environmental (Alta) has prepared this report summarizing the bulk sampling activities completed in preparation for the flooring replacement in Buildings F, G, and I at Malibu High School located at 30215 Morning View Drive, Malibu, California 90265. The bulk sampling activities were conducted to determine the presence, if any, of polychlorinated biphenyl compounds (PCBs) in order to characterize materials for off-site waste disposal. It is understood that the flooring materials are scheduled to be removed during Summer 2018.

On February 7, and 8, 2018, Alta collected representative source bulk samples of flooring materials including vinyl 9 inch, and 12" floor tiles, and black mastic under carpet and sheet vinyl. The objective of the source sampling was to determine if the sampled materials contained PCBs in concentrations above 50 parts per million (ppm).

Several representative samples of flooring material were reported with PCBs in concentration above 50 ppm. All other source samples were reported as non-detected or below 50 parts per million (ppm).

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

- 1) PCB Bulk Product Waste:
 - a. Yellow glue with residual black mastic associated with 12" grey speckled floor tile, Room 303, Building F;
 - b. Black mastic associated with 9" brown floor tile, Rooms 303A, Building F;
 - c. Grey adhesive associated with grey sheet vinyl, Room 402B, Building I.
 - d. Black floor mastic located under hardwood floor, Room 505, Building G.
1. Excluded PCB Product-all other flooring components tested as part of this scope of work in Buildings F, G, and I.

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.

The 9" floor tile and associated black mastic was also reported with asbestos content greater than 1%. Removal of these materials is also subject the requirements of the South Coast Air Quality Management District, Rule 1403. A separate asbestos report has been prepared for this project.

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REPORTED: February 20, 2018

PROJECT NO.: SMSD-17-7327

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

ATTENTION: Mr. Roger Banuelos

REF: Source Bulk Sampling in Flooring Materials Report
Building F, G, I
Malibu High School
30215 Morning View Drive
Malibu, 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 built 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.

Based on information provided by the District, the affected buildings were constructed prior to 1980, which indicates a potential for PCBs to be present in building materials. The building construction dates are listed below:

- 1963, Building F
- 1963, Building G
- 1963, Building I

2 PURPOSE OF INSPECTION AND SAMPLING

Building flooring materials included in this report were evaluated for PCBs only. A survey of asbestos-containing materials (ACMs) 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 flooring materials
- Draw conclusions of the potential presence of PCB-impacted flooring materials
- Determine if a site-specific remediation work plan is required to address materials with ≥ 50 parts per million (ppm) PCBs prior to undertaking the demolition and disposal of building materials; and Categorize each type of building material for off-site disposal related solely to its PCB content. In general, PCB-impacted materials can be sorted and classified into the following categories:

- PCB Bulk Product Waste (≥ 50 ppm). According to Environmental Protection Agency (EPA) Memorandum, "PCB Bulk Product Waste Reinterpretation," dated October 24, 2012, building materials "coated or serviced" with PCB bulk product waste (e.g., caulk, paint, mastic, sealants) at the time of designation for disposal are to be managed as a PCB bulk product waste. The reinterpretation document allows for disposal of both PCB Bulk Product Waste and PCB Remediation Waste together as a single waste stream (PCB Bulk Product Waste).
- Excluded PCB Product-all materials containing <50 ppm.

3 SCOPE OF SERVICES

The District retained Alta for the delineation and subsequent source bulk sampling (Alta proposal dated, November 6, 2017).

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

Alta collected source bulk samples representative of flooring materials found in the buildings. Alta performed an inspection of the flooring materials which are scheduled to be removed, replaced and documented all visible and accessible suspect PCB-containing flooring materials and prepared an inventory for sampling. Materials which are applied in a similar manner, had similar characteristic such as size, use, color, age of the building (if available), and texture, were defined as homogeneous materials.

Homogeneous materials were sampled representative of the group of building construction date. Alta collected a minimum of three representative random samples of each homogeneous material. In cases where limited components were removed, (less than 3) at least one representative sample was collected.

Alta's source bulk sampling were completed as follows:

1. A screwdriver, razor blade, chisel, or similar tool was used to collect the samples.
2. Samples were labelled, packaged, and documented on a chain of custody for shipping to the laboratory.
3. Samples were shipped to the laboratory in a chilled ice chest.
4. 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.
5. Each sample location was documented using digital photographs.
6. 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.
7. Waste was packaged on site inside one one-gallon bucket and labeled for disposal at a later date.

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 1ppm due to matrix interferences, but in those cases, the DL did not exceed ≥ 50 ppm, which is currently being used as approved by the USEPA to defined PCB Bulk Product Waste.

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

5 RESULTS

Table 1.0
Summary of Sampling and Results

Building	Sample Description	Material Location	Sample Numbers	Results (ppm) (Aroclor 1254)
F	12" gray speckled floor tile	Rooms 301	20718-FR1 20718-FR2 20718-FR3	Non-detected Non-detected Non-detected
F	Yellow glue with black residual mastic for 12" gray speckled floor tile	Rooms 301	20718-FR4 20718-FR5 20718-FR6	1.15 1.09 Non-detected
F	12" grey speckled floor tile	Rooms 303	20718-FR7 20718-FR8 20718-FR 9	0.85 Non-detected 4.17
F	Yellow glue for 12" grey speckled floor tile (Sample #20710-FR10 has a residual layer of black mastic)	Rooms 303	20718-FR10 20718-FR11 20718-FR12	906 1.58 7.34
F	9" brown floor tile	Janitors 303A	20718-FR13 20718-FR14 20718-FR15	17.90 13.1 9.76
F	Black mastic for 9" brown floor tile	Janitors 303A	20718-FR16 20718-FR17 20718-FR18	527 1,320 1,300
F	Black mastic under blue carpet	302 raised flooring, and 302A, B, D	20718-FR20 20718-FR21 20718-FR22	2.58 3.07 1.32
I	12" Blue speckled floor tile with yellow glue	401, 401A, 401B, 401C	20818-FR1 20818-FR2 20818-FR3	Non-detected Non-detected Non-detected
I	9" brown floor tile	Under 12" tile in 401, 401A, 401B, 401C	20818-FR7 20818-FR8 20818-FR9	4.79 4.26 3.78
I	Black mastic for 9" brown floor tile	Under 12" tile in 401, 401A, 401B, 401C	20818-FR10 20818-FR11 20818-FR12	9.10 0.823 2.28

Building	Sample Description	Material Location	Sample Numbers	Results (ppm) (Aroclor 1254)
I	12" grey speckled floor tile	402, 402A	20818-FR13 20818-FR14 20818-FR15	Non-detected Non-detected Non-detected
I	Mastic for 12" gray speckled floor tile	402, 402A	20818-FR16 20818-FR17 20818-FR18	3.89 5.39 6.82
I	<i>Gray sheet vinyl flooring</i>	<i>402C, 402D (Dark room)</i>	<i>20818-FR19 20818-FR20 20818-FR21</i>	<i>Non-detected 7.51 Non-detected</i>
I	Adhesive for gray sheet vinyl	402C, 402D (Dark room)	20818-FR22 20818-FR23 20818-FR24	Non-detected 2.18 162
G	Black mastic for wood floor	505 (ceramic room)	20718-JR1 20718-JR2 20718-JR3	161 164 217

Table 1 provides a summary compilation of the results of the representative samples collected. The information included in this table should be used in conjunction with the sample inventory list, and laboratory results found in Appendices A and B.

These materials are further defined in Appendix A of this report.

Refer to Appendix B for laboratory analysis reports and relevant sample analysis information.

6 QUALITY CONTROL

In addition to the primary samples, Alta collected one duplicate samples. The duplicate samples were collected side by side next to the primary sample. Results of duplicate samples were reported as consistently within acceptable analytical limits.

All primary samples including duplicate samples were placed in an appropriate sample containers provided by the laboratory. Samples were labeled, packaged in a cooler, and kept cool with ice during shipment.

The laboratories reported all quality control (QC) data associated with the sample analysis, the recovery and precision within the acceptable limits of the laboratory.

Sample extraction and analysis was completed by a California State Environmental Laboratory Accreditation Program (ELAP) accredited laboratory.

All primary samples, and duplicate samples were analyzed by Enviro-Chem, located at 1214 East Lexington Avenue, Pomona, California (ELAP ID #1555).

7 CONCLUSIONS

Alta's sampling was limited to flooring materials including vinyl 9 inch, and 12" floor tiles, and black mastic under carpet and sheet vinyl in Building F, I, and G. The flooring materials were evaluated for PCBs only. A survey of asbestos-containing materials (ACMs) 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.

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

- 1) PCB Bulk Product Waste:
 - a. Yellow glue with residual black mastic associated with 12" grey speckled floor tile, Room 303, Building F;
 - b. Black mastic associated with 9" brown floor tile, Rooms 303A, Building F;
 - c. Grey adhesive associated with grey sheet vinyl, Room 402B, Building I.
 - d. Black floor mastic located under hardwood floor, Room 505, Building G.
- 2) Excluded PCB Product-all other flooring components tested as part of this scope of work in Buildings F, G, and I.

Removal of the PCB Bulk Product Waste associated with flooring materials should be conducted using proper engineering controls including, but not limited to containment, worker training, worker protection etc. PCB waste should be characterized, packaged, labeled 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.

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

The 9" floor tile and associated black mastic were also reported with asbestos content greater than 1%. Removal of these materials is also subject the requirements of the South Coast Air Quality Management District, Rule 1403. A separate asbestos report has been prepared for this project..

9 ASSUMPTIONS AND LIMITATIONS

Alta's sampling was limited to flooring materials including vinyl 9 inch, and 12" floor tiles, and black mastic under carpet and sheet vinyl scheduled to be removed in Buildings F, I, and G.

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 components.

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'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 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 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 accepts no responsibility for any deficiencies, omissions, misrepresentations, or fraudulent acts of persons interviewed.

Alta will not accept any liability for loss, injury claim, or damage arising directly or indirectly from any use or reliance on this report. Alta 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

Reviewed by:

Alta Environmental



David Schack
Vice President, Building Sciences

Appendix A

Sample Inventories

Summary of Source Bulk Sampling

CLIENT: SMMUSD
PROJECT NO: SMSD-17-7327
PROJECT: MHS FIG Sampling & AMCO
Date: February 8, 2018

Building Name	Component	Sample Number	Sample Description	Sample Location	Photograph Number	Total PCBs (ppm) (Aroclor 1254)
F	Concrete Floor	20718-FR1	12" gray speckled floor tile	Room 301 - northwest corner	20718-FR1	Non-detected
F	Concrete Floor	20718-FR2	12" gray speckled floor tile	Room 301 - southwest corner	20718-FR2	Non-detected
F	Concrete Floor	20718-FR3	12" gray speckled floor tile	Room 301 - southeast corner	20718-FR3	Non-detected
F	Concrete Floor	20718-FR4	Yellow glue with black residual mastic for 12" gray speckled floor tile	Room 301 - northwest corner	20718-FR4	1.15
F	Concrete Floor	20718-FR5	Yellow glue with black residual mastic for 12" gray speckled floor tile	Room 301, 10' west of southeast door	20718-FR5	1.09
F	Concrete Floor	20718-FR6	Yellow glue with black residual mastic for 12" gray speckled floor tile	Room 301 - southeast corner	20718-FR6	Non-detected
F	Concrete Floor	20718-FR7	12" gray speckled floor tile	Room 303 - northwest corner	20718-FR7	0.85
F	Concrete Floor	20718-FR8	12" gray speckled floor tile	Room 303 - southeast corner	20718-FR8	Non-detected
F	Concrete Floor	20718-FR9	12" gray speckled floor tile	Room 303 - southwest corner	20718-FR9	4.17
F	Concrete Floor	20718-FR10	Yellow glue with residual black mastic for 12" grey speckled floor tile	Room 303 - northwest corner	20718-FR10	906
F	Concrete Floor	20718-FR11	Yellow glue for 12" grey speckled floor tile	Room 303 - southeast corner	20718-FR11	1.58
F	Concrete Floor	20718-FR12	Yellow glue for 12" grey speckled floor tile	Room 303 - southwest corner	20718-FR12	7.34
F	Concrete Floor	20718-FR13	9" brown floor tile	Room 303A - west center just south of entry	20718-FR13	17.90
F	Concrete Floor	20718-FR14	9" brown floor tile	Room 303A - southeast corner	20718-FR14	13.10
F	Concrete Floor	20718-FR15	9" brown floor tile	Room 303A - northwest corner	20718-FR15	9.76

Summary of Source Bulk Sampling

CLIENT: SMMUSD
PROJECT NO: SMSD-17-7327
PROJECT: MHS FIG Sampling & AMCO
Date: February 8, 2018

Building Name	Component	Sample Number	Sample Description	Sample Location	Photograph Number	Total PCBs (ppm) (Aroclor 1254)
F	Concrete Floor	20718-FR16	Black mastic for 9" brown floor tile	Room 303A - west center just south of entry	20718-FR16	527
F	Concrete Floor	20718-FR17	Black mastic for 9" brown floor tile	Room 303A southeast corner	20718-FR17	1,320
F	Concrete Floor	20718-FR18	Black mastic for 9" brown floor tile	Room 303A - northwest corner	20718-FR18	1,300
F	Concrete Floor	20718-FR19	Black mastic for 9" brown floor tile	Side by side duplicate sample of 20718-RF18	20718-FR19	918
F	Wood floor	20718-FR20	Black mastic under	Room 302C southeast	20718-FR20	2.58
F	Wood floor	20718-FR21	Black mastic under	Room 302 storage room at entry	20718-FR21	3.07
F	Wood floor	20718-FR22	Black mastic under	Room 302 storage room northeast	20718-FR22	1.32

Note: inspector room 302, 302 (A-D), only yellow carpet glue on wood was observed, also at room 303B. All floor hatches are inspected, inspector observed only wood framing and concrete under raised floor in room 302

Summary of Source Bulk Sampling

CLIENT: SMMUSD
PROJECT NO: SMSD-17-7327
PROJECT: MHS FIG Sampling & AMCO
Date: February 8, 2018

Building Name	Component	Sample Number	Sample Description	Sample Location	Photograph Number	Total PCBs (ppm)
I	Concrete floor	20818-FR1	12" Blue speckled floor tile with yellow glue	Room 401C, 4' north of entrance	20818-FR1	Non-detected
I	Concrete floor	20818-FR2	12" Blue speckled floor tile with yellow glue	Room 401, 1' west of southeast door	20818-FR2	Non-detected
I	Concrete floor	20818-FR3	12" Blue speckled floor tile with yellow glue	Room 401A, west center	20818-FR3	Non-detected
I	Concrete floor	20818-FR7	9" brown floor tile	Room 402A, behind door	20818-FR7	4.79
I	Concrete floor	20818-FR8	9" brown floor tile (underlayer in 401, 401A, B, C, 402)	Room 401, 10' west of southeast door	20818-FR8	4.26
I	Concrete floor	20818-FR9	9" brown floor tile (underlayer in 401, 401A, B, C, 402)	Room 401A, southwest corner	20818-FR9	3.78
I	Concrete floor	20818-FR10	Black mastic for 9" brown floor tile	Room 402A, behind door	20818-FR10	9.10
I	Concrete floor	20818-FR11	Black mastic for 9" brown floor tile	Room 401, 10' west of southeast door	20818-FR11	0.82
I	Concrete floor	20818-FR12	Black mastic for 9" brown floor tile	Room 401A, southwest corner	20818-FR12	2.28
I	Concrete floor	20818-FR13	12" grey speckled floor tile	Room 402, 10' north of southwest corner	20818-FR13	Non-detected
I	Concrete floor	20818-FR14	12" grey speckled floor tile	Room 402 southeast corner	20818-FR14	Non-detected
I	Concrete floor	20818-FR15	12" grey speckled floor tile	Room 402, 3' east of northwest corner	20818-FR15	Non-detected

Summary of Source Bulk Sampling

CLIENT: SMMUSD
PROJECT NO: SMSD-17-7327
PROJECT: MHS FIG Sampling & AMCO
Date: February 8, 2018

Building Name	Component	Sample Number	Sample Description	Sample Location	Photograph Number	Total PCBs (ppm)
I	Concrete floor	20818-FR16	yellow glue with black mastic residual for for 12" gray speckled floor tile	Room 402, 10' north of southwest corner	20818-FR16	3.89
I	Concrete floor	20818-FR17	yellow glue with black mastic residual for for 12" gray speckled floor tile	Room 402 southeast corner	20818-FR17	5.39
I	Concrete floor	20818-FR18	yellow glue with black mastic residual for for 12" gray speckled floor tile	Room 402, 3' east of northwest corner	20818-FR18	6.82
I	Concrete floor	20818-FR19	Gray sheet vinyl flooring	Room 402B southwest corner	20818-FR19	Non-detected
I	Concrete floor	20818-FR20	Gray sheet vinyl flooring	Room 402B northwest corner	20818-FR20	7.51
I	Concrete floor	20818-FR21	Gray sheet vinyl flooring	Room 402B dark room, southeast corner	20818-FR21	Non-detected
I	Concrete floor	20818-FR22	Grey adhesive for gray sheet vinyl	Room 402B, southwest corner	20818-FR22	Non-detected
I	Concrete floor	20818-FR23	Grey adhesive for gray sheet vinyl	Room 402B, northwest corner	20818-FR23	2.18
I	Concrete floor	20818-FR24	Grey adhesive for gray sheet vinyl	Room 402B dark room, southeast corner	20818-FR24	162

Summary of Source Bulk Sampling

CLIENT: SMMUSD
PROJECT NO: SMSD-17-7327
PROJECT: MHS FIG Sampling & AMCO
Date: February 8, 2018

Building Name	Component	Sample Number	Sample Description	Sample Location	Photograph Number	Total PCBs (ppm) (Aroclor 1254)
G	Hardwood on concrete floor	20718-JR1	Black mastic for wood floor	Room 505 (ceramic room) - center plywood patch center	20718-JR1	161
G	Hardwood on concrete floor	20718-JR2	Black mastic for wood floor	Room 505 (ceramic room) - northeast	20718-JR2	164
G	Hardwood on concrete floor	20718-JR3	Black mastic for wood floor	Room 505 (ceramic room) - southwest	20718-JR3	271

Appendix B

Laboratory Reports

Enviro - Chem, Inc.

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

Date: February 13, 2018

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

Project: **Malibu - Bldg. F**
Lab I.D.: **180209-59 through -80**

Dear Mr. Ruvalcaba:

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

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

Sincerely,



Curtis Desilets
Vice President/Program Manager



Andy Wang
Laboratory Manager

LABORATORY REPORT

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

PROJECT: **Malibu - Bldg. F**

DATE RECEIVED: 02/09/18
 DATE SAMPLED: 02/07/18 DATE EXTRACTED: 02/09&12/18
 MATRIX: SOLID DATE ANALYZED: 02/12&13/18
 REPORT TO: MR. CESAR RUVALCABA DATE REPORTED: 02/13/18

PCBs ANALYSIS

METHOD: EPA 3540C/8082; PAGE 1 OF 2

UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	PCB-1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260	TOTAL PCBs*	DF
20718-FR1	180209-59	ND	ND	ND	ND	ND	ND	ND	ND	1
20718-FR2	180209-60	ND	ND	ND	ND	ND	ND	ND	ND	1
20718-FR3	180209-61	ND	ND	ND	ND	ND	ND	ND	ND	1
20718-FR4	180209-62	ND	ND	ND	ND	ND	1.15	ND	1.15	1
20718-FR5	180209-63	ND	ND	ND	ND	ND	1.09	ND	1.09	1
20718-FR6	180209-64	ND	ND	ND	ND	ND	ND	ND	ND	2^
20718-FR7	180209-65	ND	ND	ND	ND	ND	0.850	ND	0.850	1
20718-FR8	180209-66	ND	ND	ND	ND	ND	ND	ND	ND	1
20718-FR9	180209-67	ND	ND	ND	ND	ND	4.17	ND	4.17	1
20718-FR10	180209-68	ND	ND	ND	ND	ND	906***	ND	906***	80
20718-FR11	180209-69	ND	ND	ND	ND	ND	1.58	ND	1.58	1
20718-FR12	180209-70	ND	ND	ND	ND	ND	7.34	ND	7.34	2
20718-FR13	180209-71	ND	ND	ND	ND	ND	17.9	ND	17.9	1
20718-FR14	180209-72	ND	ND	ND	ND	ND	13.1	ND	13.1	1
20718-FR15	180209-73	ND	ND	ND	ND	ND	9.76	ND	9.76	1
20718-FR16	180209-74	ND	ND	ND	ND	ND	527***	ND	527***	40
20718-FR17	180209-75	ND	ND	ND	ND	ND	1320***	ND	1320***	40
20718-FR18	180209-76	ND	ND	ND	ND	ND	1300***	ND	1300***	80
20718-FR19	180209-77	ND	ND	ND	ND	ND	918***	ND	918***	80
20718-FR20	180209-78	ND	ND	ND	ND	ND	2.58	ND	2.58	1
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1

PQL 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5

COMMENTS

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

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

Enviro-Chem, Inc.

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

EPA 8082 QA/QC Report

Matrix: **Soil/Solid/Sludge**
 Unit: mg/Kg(PPM)

Date Analyzed: 2/12-13/2018

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)
Spiked Sample Lab I.D.: **180212-LCS1/2**

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
PCB (1016+1260)	0.000	0.100	0.109	109%	0.113	113%	4%	0-20%	70-130

Lab Control Spike (LCS) Recovery:

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

Surrogate Recovery	ACP%	ACP%	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	180209-59	180209-60	180209-61	180209-62	180209-63	180209-64	
Tetra-chloro-meta-xylene	50-150	111%	118%	114%	108%	97%	118%	114%	
Decachlorobipneyl	50-150	91%	96%	90%	80%	81%	81%	110%	

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	180209-65	180209-66	180209-67	180209-68	180209-69	180209-70	180209-71	180209-72	
Tetra-chloro-meta-xylene	109%	122%	119%	125%	97%	107%	131%	106%	
Decachlorobipneyl	85%	79%	126%	100%	105%	102%	135%	72%	

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	180209-73	180209-74	180209-75	180209-76	180209-77	180209-78
Tetra-chloro-meta-xylene	104%	117%	120%	118%	130%	114%
Decachlorobipneyl	80%	101%	92%	79%	87%	110%

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: 

LABORATORY REPORT

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

PROJECT: **Malibu - Bldg. F**

DATE RECEIVED: 02/09/18
 DATE EXTRACTED: 02/09&12/18
 DATE ANALYZED: 02/12/18
 DATE REPORTED: 02/13/18

DATE SAMPLED: 02/07/18
 MATRIX: SOLID
 REPORT TO: MR. CESAR RUVALCABA

PCBs ANALYSIS

METHOD: EPA 3540C/8082; PAGE 2 OF 2

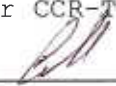
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	PCB-1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260	TOTAL PCBs*	DF
<u>20718-FR21</u>	<u>180209-79</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>3.07</u>	<u>ND</u>	<u>3.07</u>	<u>1</u>
<u>20718-FR22</u>	<u>180209-80</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>1.32</u>	<u>ND</u>	<u>1.32</u>	<u>1</u>
<u>Method Blank</u>		<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>ND</u>	<u>1</u>

PQL 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5

COMMENTS

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

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

Enviro-Chem, Inc.

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

EPA 8082 QA/QC Report

Matrix: **Soil/Solid/Sludge**

Date Analyzed: 2/12-13/2018

Unit: mg/Kg(PPM)

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

Spiked Sample Lab I.D.: **180212-LCS1/2**

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
PCB (1016+1260)	0.000	0.100	0.090	90%	0.094	94%	5%	0-20%	70-130

Lab Control Spike (LCS) Recovery:

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

Surrogate Recovery	ACP%	ACP%	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	180209-79	180209-80	180209-81	180209-82	180209-83	180209-84
Tetra-chloro-meta-xylene	50-150	115%	129%	141%	134%	125%	144%	118%
Decachlorobipneyl	50-150	98%	113%	132%	88%	76%	97%	98%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	180209-85	180209-86	180209-87	180209-88	180209-89	180209-90	180209-91	180209-92
Tetra-chloro-meta-xylene	94%	119%	143%	134%	116%	117%	136%	100%
Decachlorobipneyl	76%	85%	109%	105%	84%	98%	96%	95%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	180209-93	180209-94	180209-95	180209-96	180209-97	180209-98
Tetra-chloro-meta-xylene	120%	113%	113%	109*%	114%	109%
Decachlorobipneyl	88%	123%	80%	75%	131%	94%

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: _____

RUSH

SAMPLE ID	LAB ID	SAMPLING DATE TIME		MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required								COMMENTS	
20718-621	18020P-5P	2-7-18	1700	Bulk	1		ICE	X									
FR2	-60		1705		1			X									<p>Malibu Bldg F</p> <p>ATO 48 HOUR RUSH -CAD</p>
FR3	-61		1715		1			X									
FR4	-62		1730		1			X									
FR5	-63		1735		1			X									
FR6	-64		1740		1			X									
FR7	-65		1800		1			X									
FR8	-66		1815		1			X									
FR9	-67		1830		1			X									
FR10	-68		1845		1			X									
FR11	-69		1848		1			X									
FR12	-70		1850		1			X									
FR13	-71		1900		1			X									
FR14	-72		1902		1			X									
FR15	-73		1905		1			X									

Company Name: Alta Environmental

Project Contact: Cesar Ruvalcaba

Sampler's Signature: _____

Address: 3777 Long Beach Blvd

Tel: _____

Project Name/ID: Malibu - Bldg F

City/State/Zip: Long Beach Ca

Fax: _____

Relinquished by: _____ 2-9-18 1140

Received by: _____

Date & Time: 2/9/2018 11:40 AM

Instructions for Sample Storage After Analysis:

Relinquished by: _____

Received by: _____

Date & Time: _____

Dispose of Return to Client Store (30 Days)

Relinquished by: _____

Received by: _____

Date & Time: _____

Other: _____

CHAIN OF CUSTODY RECORD

Date: 2-9-18

WHITE WITH SAMPLE • YELLOW TO CLIENT

Enviro-Chem, Inc. Laboratories

1214 E. Lexington Avenue,
Pomona, CA 91766

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

CA-DHS ELAP CERTIFICATE #1555

Turnaround Time

Same Day

24 Hours

48 Hours

72 Hours

1 Week (Standard)

Other:

RUSH

MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	<p>EPA Method 8002 PCB</p>						Misc./PO#
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Malibu Bldg F

SAMPLE ID	LAB ID	SAMPLING		MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required						COMMENTS			
		DATE	TIME														
2018- FR16	18020P-74	2-07-18	1915	Bulk	1		Ice	X									
FR 17	-75		1925		1			X									
FR 18	-76		1926		1			X									<p>ATO 48 HOUR RUSH - CSI</p>
FR 19	-77		1927		1			X									
FR 20	-78		2000		1			X									
FR 21	-79		2015		1			X									
FR 22	-80		2030		1			X									

Company Name: <u>Alta Umwelt</u>		Project Contact: <u>Cesar Funderick</u>		Sampler's Signature:	
Address: <u>3777 Lag Beach Blvd</u>		Tel:		Project Name/ID: <u>Malibu Bldg F</u>	
City/State/Zip: <u>Lag Beach Ca</u>		Fax:			
Relinquished by:	<u>2-9-18</u>	Received by:		Date & Time: <u>2/9/2018 11:40 AM</u>	Instructions for Sample Storage After Analysis: <input type="radio"/> Dispose of <input type="radio"/> Return to Client <input checked="" type="radio"/> Store (30 Days) <input type="radio"/> Other:
Relinquished by:	<u>1140</u>	Received by:		Date & Time:	
Relinquished by:		Received by:		Date & Time:	

CHAIN OF CUSTODY RECORD

Date: 2-9-18

WHITE WITH SAMPLE • YELLOW TO CLIENT

Page 2 of 2

Enviro - Chem, Inc.

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

Date: February 13, 2018

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

Project: **Malibu - Bldg. G&I**
Lab I.D.: **180209-81 through -104**

Dear Mr. Ruvalcaba:

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

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

Sincerely,



Curtis Desilets
Vice President/Program Manager



Andy Wang
Laboratory Manager

LABORATORY REPORT

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

PROJECT: **Malibu - Bldg. G&I**

DATE RECEIVED: 02/09/18
 DATE EXTRACTED: 02/09&12/18
 DATE SAMPLED: 02/07-08/18
 DATE ANALYZED: 02/12&13/18
 MATRIX: SOLID
 DATE REPORTED: 02/13/18
 REPORT TO: MR. CESAR RUVALCABA

PCBs ANALYSIS

METHOD: EPA 3540C/8082; PAGE 1 OF 2


UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	PCB-1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260	TOTAL PCBs*	DF
20718-JR1	180209-81	ND	ND	ND	ND	ND	161***	ND	161***	8
20718-JR2	180209-82	ND	ND	ND	ND	ND	164***	ND	164***	8
20718-JR3	180209-83	ND	ND	ND	ND	ND	271***	ND	271***	16
20818-FR1	180209-84	ND	ND	ND	ND	ND	ND	ND	ND	1
20818-FR2	180209-85	ND	ND	ND	ND	ND	ND	ND	ND	1
20818-FR3	180209-86	ND	ND	ND	ND	ND	ND	ND	ND	1
20818-FR7	180209-87	ND	ND	ND	ND	ND	4.79	ND	4.79	1
20818-FR8	180209-88	ND	ND	ND	ND	ND	4.26	ND	4.26	4
20818-FR9	180209-89	ND	ND	ND	ND	ND	3.78	ND	3.78	4
20818-FR10	180209-90	ND	ND	ND	ND	ND	9.10	ND	9.10	4
20818-FR11	180209-91	ND	ND	ND	ND	ND	0.823	ND	0.82	1
20818-FR12	180209-92	ND	ND	ND	ND	ND	2.28	ND	2.28	1
20818-FR13	180209-93	ND	ND	ND	ND	ND	ND	ND	ND	1
20818-FR14	180209-94	ND	ND	ND	ND	ND	ND	ND	ND	1
20818-FR15	180209-95	ND	ND	ND	ND	ND	ND	ND	ND	1
20818-FR16	180209-96	ND	ND	ND	ND	ND	3.89	ND	3.89	4
20818-FR17	180209-97	ND	ND	ND	ND	ND	5.39	ND	5.39	4
20818-FR18	180209-98	ND	ND	ND	ND	ND	6.82	ND	6.82	4
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1

PQL 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5

COMMENTS

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

LABORATORY REPORT

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

PROJECT: **Malibu - Bldg. G&I**

DATE SAMPLED: 02/07-08/18 DATE RECEIVED: 02/09/18
 MATRIX: SOLID DATE EXTRACTED: 02/09&12/18
 REPORT TO: MR. CESAR RUVALCABA DATE ANALYZED: 02/13/18
 DATE REPORTED: 02/13/18

PCBs ANALYSIS

METHOD: EPA 3540C/8082; PAGE 2 OF 2

UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM


SAMPLE I.D.	LAB I.D.	PCB-1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260	TOTAL PCBs*	DF
20818-FR19	180209-99	ND	ND	ND	ND	ND	ND	ND	ND	1
20818-FR20	180209-100	ND	ND	ND	ND	ND	7.51	ND	7.51	1
20818-FR21	180209-101	ND	ND	ND	ND	ND	ND	ND	ND	1
20818-FR22	180209-102	ND	ND	ND	ND	ND	ND	ND	ND	1
20818-FR23	180209-103	ND	ND	ND	ND	ND	2.18	ND	2.18	1
20818-FR24	180209-104	ND	ND	ND	ND	ND	162***	ND	162***	16

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

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**
 Unit: mg/Kg(PPM)

Date Analyzed: 2/12-13/2018

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)
Spiked Sample Lab I.D.: **180212-LCS1/2**

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
PCB (1016+1260)	0.000	0.100	0.090	90%	0.094	94%	5%	0-20%	70-130

Lab Control Spike (LCS) Recovery:

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

Surrogate Recovery	ACP%	ACP%	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	180209-79	180209-80	180209-81	180209-82	180209-83	180209-84	
Tetra-chloro-meta-xylene	50-150	115%	129%	141%	134%	125%	144%	118%	
Decachlorobipneyl	50-150	98%	113%	132%	88%	76%	97%	98%	

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	180209-85	180209-86	180209-87	180209-88	180209-89	180209-90	180209-91	180209-92	
Tetra-chloro-meta-xylene	94%	119%	143%	134%	116%	117%	136%	100%	
Decachlorobipneyl	76%	85%	109%	105%	84%	98%	96%	95%	

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	180209-93	180209-94	180209-95	180209-96	180209-97	180209-98
Tetra-chloro-meta-xylene	120%	113%	113%	109*	114%	109%
Decachlorobipneyl	88%	123%	80%	75%	131%	94%

S.R. = Sample Result

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

spk conc = Spike Concentration

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

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

Analyzed and Reviewed By: 

Final Reviewer: 

Enviro-Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766

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

EPA 8082 QA/QC Report

Matrix: **Soil/Solid/Sludge**
 Unit: **mg/Kg(PPM)**

Date Analyzed: 2/13/2018

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)
Spiked Sample Lab I.D.: **180212-LCS1/2**

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

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	0.100	0.098	98%	75-125

Surrogate Recovery	ACP%	ACP%	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	180209-99	180209-100	180209-101	180209-102	180209-103	180209-104	
Tetra-chloro-meta-xylene	50-150	115%	124%	138%	113%	122%	126%	123%	
Decachlorobipneyl	50-150	90%	83%	112%	109%	113%	89%	93%	

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

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

S.R. = Sample Result

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


spk conc = Spike Concentration


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

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

Analyzed and Reviewed By: 

Final Reviewer: 

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

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

RUSH

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

SAMPLE ID	LAB ID	SAMPLING DATE	TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required	COMMENTS
20718-JP1	18020P-81	2-07-18	1643	Bulk	1		ICE	X	<div style="border: 1px solid black; border-radius: 50%; padding: 10px; display: inline-block;"> Δ TO 48 HOUR RUSH - CM </div>
JR2	-82	↓	1657	↓	1	↓		X	
JR3	-83	↓	1715	↓	1	↓		X	
20820818-FP1	-84	2-07-18	1618	Bulk	1		ICE	X	
FP2	-85	↓	1631	↓	1	↓		X	
FP3	-86	↓	1648	↓	1	↓		X	
FP4		↓	1705	Not used					
FP5		↓	1722	↓	1	↓		X	
FP6		↓	1734	↓	1	↓		X	
FP7	-87	↓	1755	↓	1	↓		X	
FP8	-88	↓	1812	↓	1	↓		X	
FP9	-89	↓	1825	↓	1	↓		X	
FP10	-90	↓	1835	↓	1	↓		✓	
FP11	-91	↓	1850	↓	1	↓		X	

Company Name: Alta Environmental	Project Contact: Cesar Rueda	Sampler's Signature:
Address: 3777 Lag Beach Blvd	Tel:	Project Name/ID: Malibu Bldg G: I
City/State/Zip: Lag Beach Ca	Fax:	

Relinquished by: 2-9-18 1140	Received by:	Date & Time: 2/9/2018 1140 AM	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: 2-9-18

WHITE WITH SAMPLE • YELLOW TO CLIENT

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

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

RUSH

MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Misc./PO#
				Malibu Blvd 6:1

SAMPLE ID	LAB ID	SAMPLING DATE TIME		MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required				COMMENTS
		DATE	TIME									
2084-FR12	190509-P2	20878	1908	Bulk	1		Ice	X				
FR13	P3		1923		1			X				A TO 48 HOUR RUSH - CM
FR14	-P4		1940		1			X				
FR15	-P5		1979		1			X				
FR16	-P6		1952		1			X				
FR17	-P7		2010		1			X				
FR18	-P8		2020		1			X				
FR19	-P9		2033		1			X				
FR20	-100		2078		1			X				
FR21	-101		2057		1			X				
FR22	-102		2110		1			X				
FR23	-103		2126		1			X				
FR24	-104		2143		1			X				
FR25	-105		2145		1			X				

Company Name: Atta Environmental	Project Contact: Cesar Pineda	Sampler's Signature:
Address: 3777 Long Blvd Bldg	Tel:	Project Name/ID: Malibu Blvd 6:1
City/State/Zip: Long Beach Ca	Fax:	

Relinquished by: 2-09-18	Received by:	Date & Time: 2/9/2018 11:42 AM	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: 1140	Received by:	Date & Time:	
Relinquished by:	Received by:	Date & Time:	

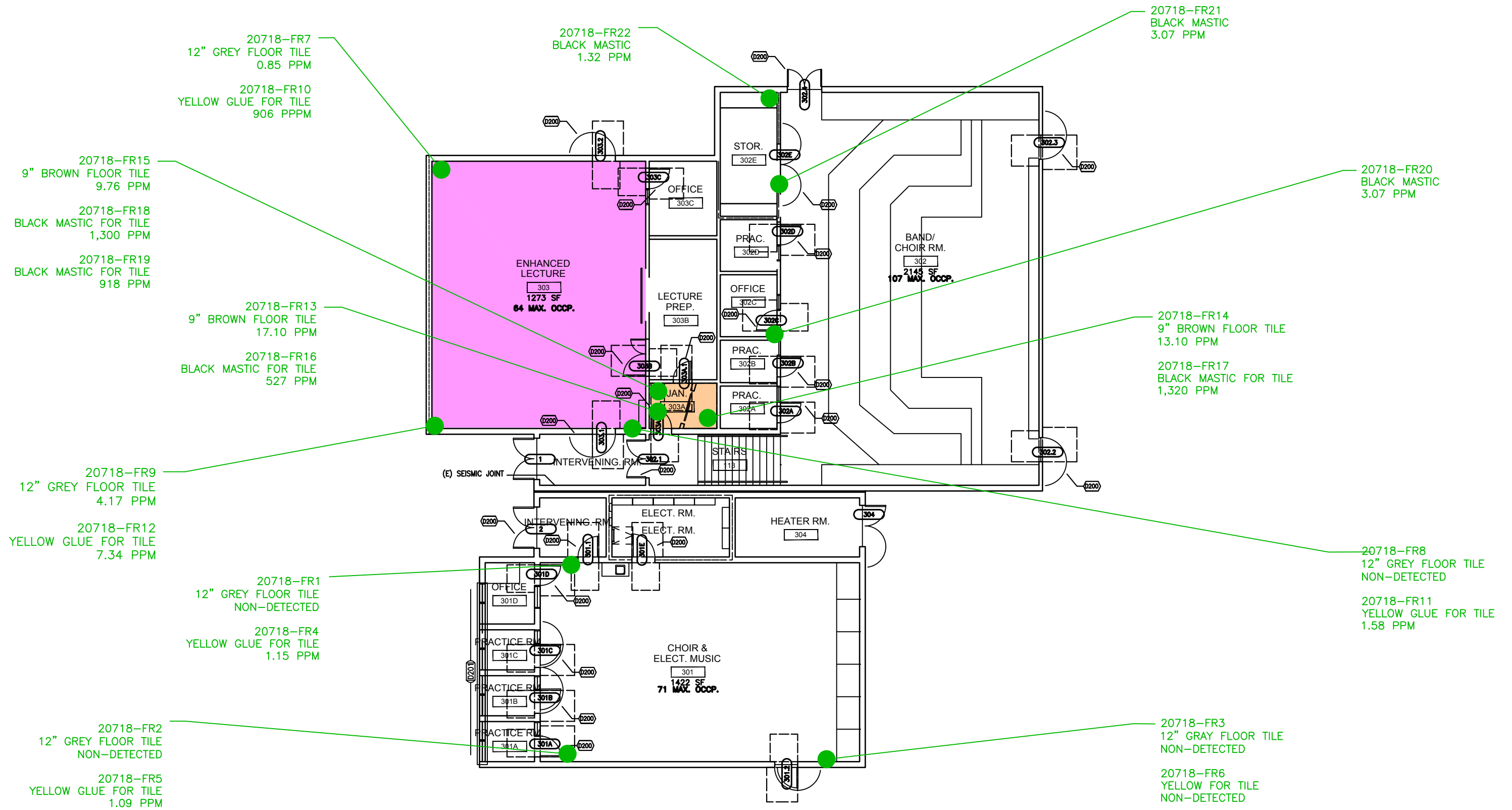
CHAIN OF CUSTODY RECORD

Date: 20818 -

WHITE WITH SAMPLE • YELLOW TO CLIENT

Appendix C

Sample Location Maps



Note: Locations are approximate

LEGEND

- PCB Impacted 9" Brown Floor Tile & Black Mastic
- PCB Impacted 12" Gray Floor Tile all Residual Black Mastic & Yellow Glue

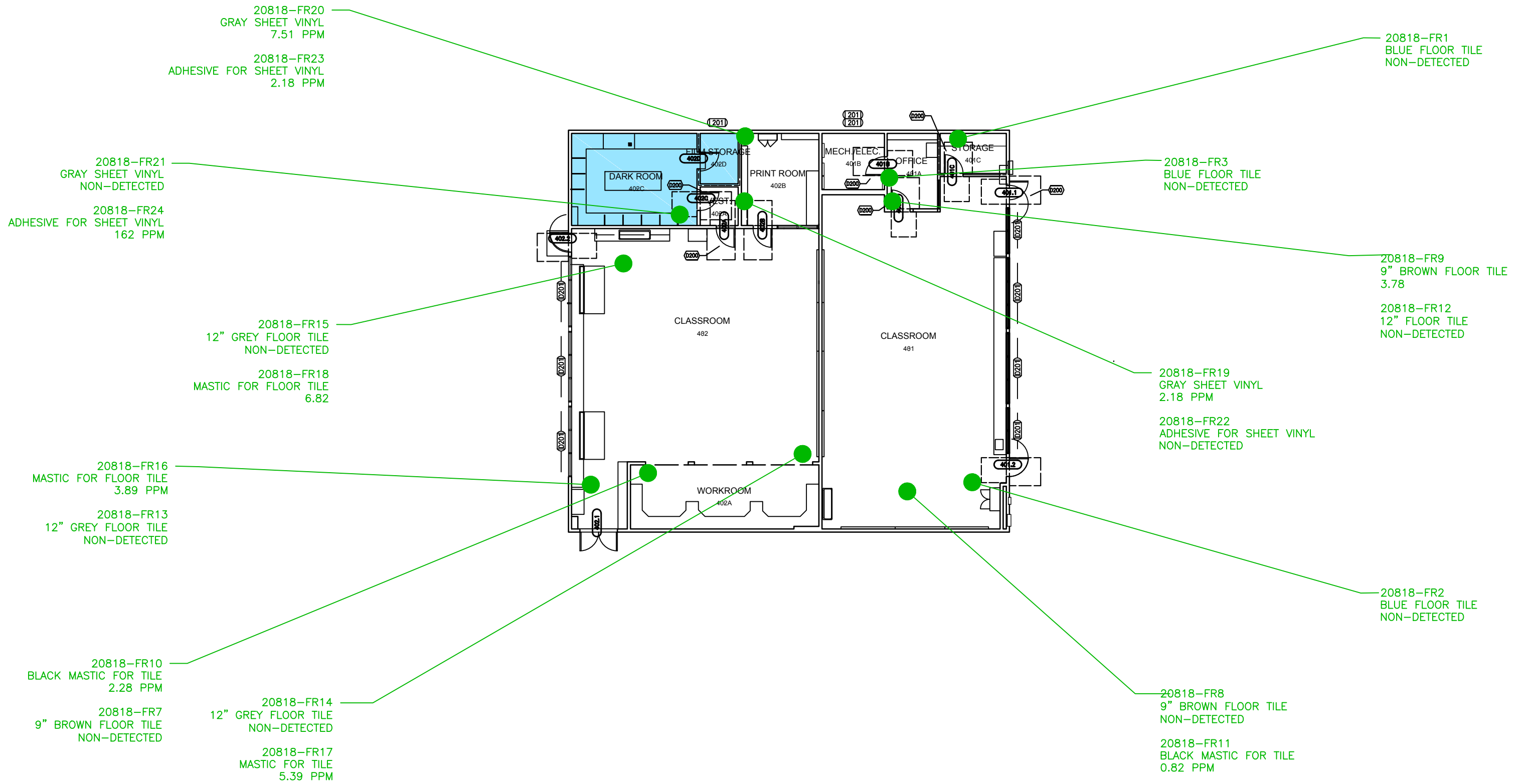
Sample Location Map - Building F

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: 2/20/2018 | Project No.: SMSD-17-7327



Note: Locations are approximate

Sample Location Map - Building I

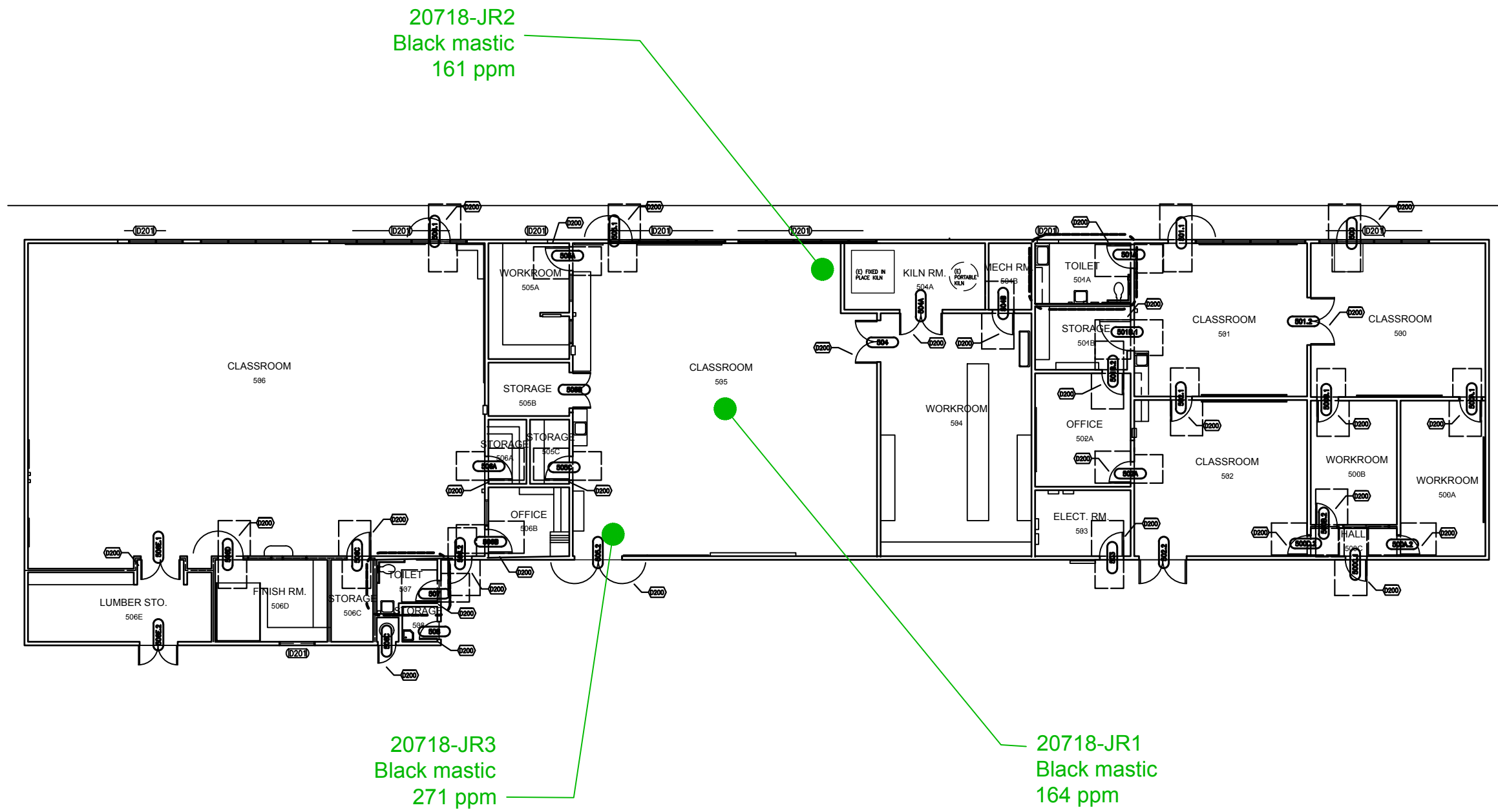
Malibu High School
30215 Morning View Drive
Malibu, California

LEGEND
 PCB Impacted Gray Sheet Vinyl & Adhesive for Sheet Vinyl



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

DATE: 2/20/2018 | Project No.: SMSD-17-7327



Note: Locations are approximate

LEGEND
● Source Bulk Samples

Sample Location Map - Building G

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: January 2018 | Project No.: SMSD-17-6832

Appendix D

Photographs

Malibu High School – Building F

20718-FR1, FR4

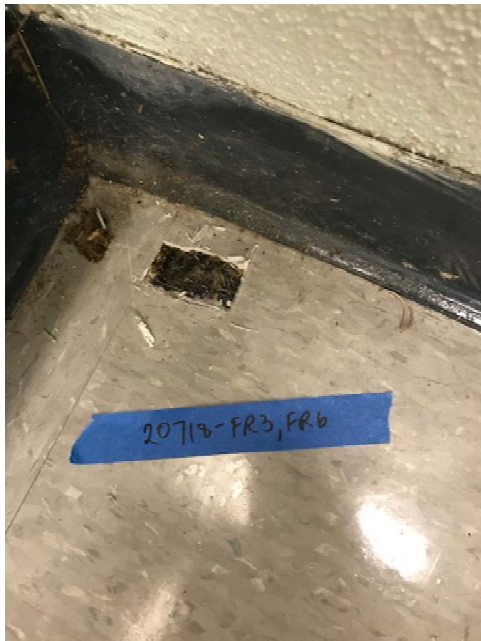


20718-FR2, FR5



Malibu High School – Building F

20718-FR3, FR6

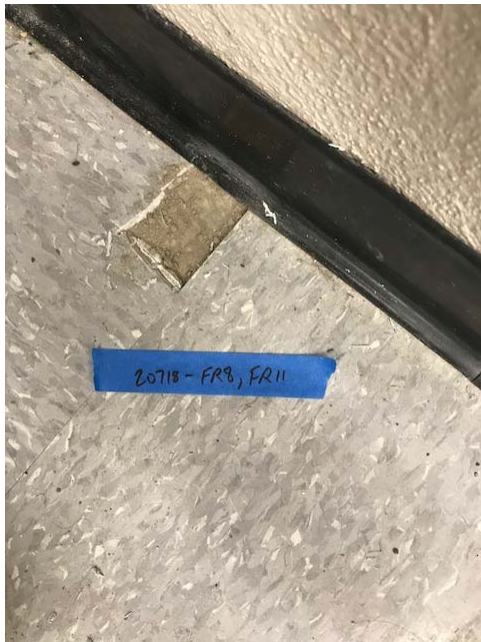


20718-FR7, FR10



Malibu High School – Building F

20718-FR8, FR11



20718-FR9, FR12

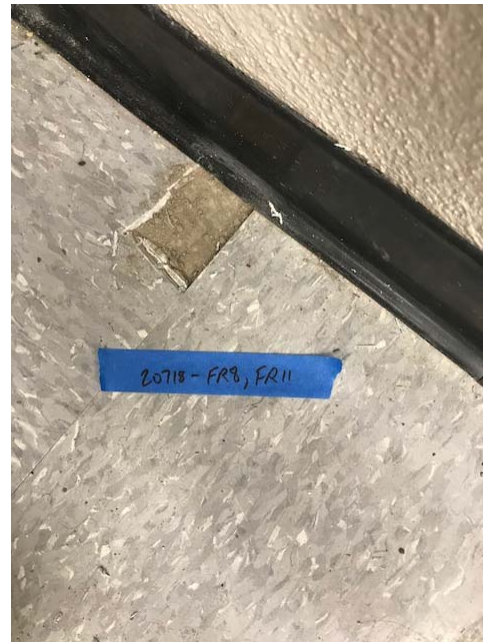


Malibu High School – Building F

20718-FR7, FR10

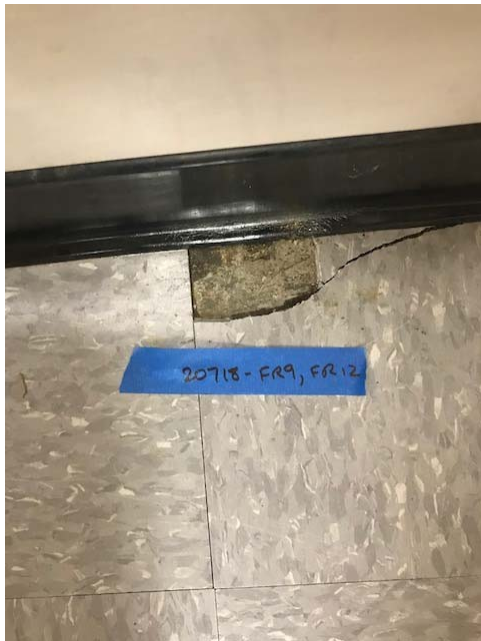


20718-FR8, FR11



Malibu High School – Building F

20718-FR9, FR12



20718-FR13, FR16



Malibu High School – Building F

20718-FR14, FR17



20718-FR15, FR18, FR19



Malibu High School – Building F

20718-FR20



20718-FR21



Malibu High School – Building F

20718-FR22



Malibu High School – Building I

20818-FR1

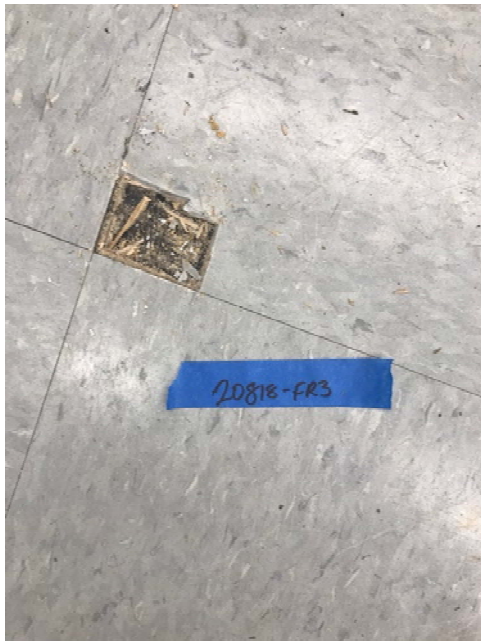


20818-FR2



Malibu High School – Building I

20818-FR3



Malibu High School – Building I

20818-FR7

- No photo available

20818-FR8, 20818-FR11



Malibu High School – Building I

20818-FR9, 20818-FR12

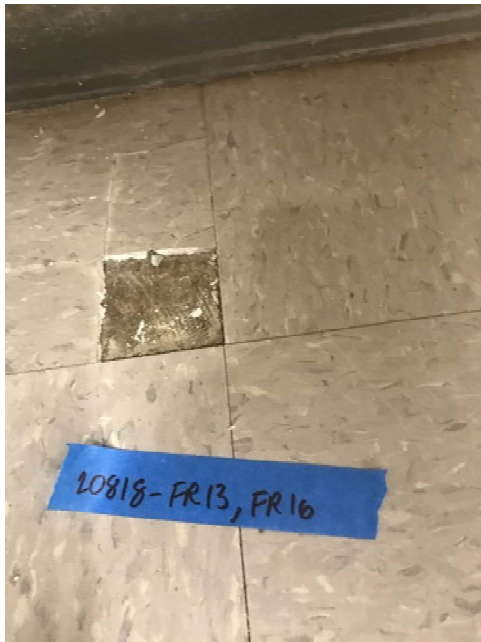


20818-FR10

- No photo available

Malibu High School – Building I

20818-FR13, 20818-FR16



20818-FR14, 20818-FR17



Malibu High School – Building I

20818-FR15, FR18



20818-FR19, FR22



Malibu High School – Building I

20818-FR20, FR23



20818-FR21, FR24



Malibu High School – Building G

20718-JR1



20718-JR2



Malibu High School – Building G

20718-JR3

