PCB DELINEATION AND SOURCE BULK SAMPLING REPORT

John Adams Middle School
Building J (Music)
2425 16th Street
Santa Monica, California 90405

Prepared for:

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

Project No.: SMSD-18-7643
Reported Date: May 11, 2018 (Draft)

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 delineation and bulk sampling activities completed in Building J (Music) at John Adams Middle School located at 2425 16th Street, Santa Monica, California 90405. The delineation and bulk sampling activities were conducted to determine the potential presence of polychlorinated biphenyl compounds (PCBs) in door and window caulking and specified flooring materials 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 associated with double doors with metal casing frames, and at least 3 inches of surrounding interior drywall and exterior stucco
2. Excluded PCB Product
    1. All remaining door caulking around door frames included in the scope of work, and
    2. All floor tiles included in the scope of work

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.

CONTENTS

REPORTED: May 11, 2018 (Draft) **PROJECT NO.:** SMSD-18-7643

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

ATTENTION: Mr. Chris Emmett

REF: PCB Delineation and Source Bulk Sampling Report
Building J (Music)
John Adams Middle School
2425 16th Street, Santa Monica, California 90405

1 INTRODUCTION/BACKGROUND

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

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

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

3 SCOPE OF SERVICES

The District retained Alta for the delineation and subsequent source bulk sampling (Alta proposal dated, March 23, 2018).

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 completed delineation sampling representative of porous materials installed around the six doorframes. The sampling was completed starting at one-inch (1”), three-inch (3”) and six-inch (6”) intervals away from the impacted doorframes representative of a surface depth of 0-.5” of substrate material. Only the 1” sample was initially analyzed, with the intent of analyzing the 3”, and 6” samples only if PCBs were detected.

Following the delineation sampling, Alta collected source bulk samples, one from each door frame.

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

1. A one-inch drill, screwdriver, razor blade, chisel, or similar tool was used to collect the samples.
2. A polyethylene drop-sheet was placed below the impacted area to capture any dust and debris which may have dislodged during the sample collection.
3. Samples were labelled, packaged, and documented on a chain of custody for shipping to the laboratory.
4. Samples were shipped to the laboratory in a chilled ice chest.
5. 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.
6. Each sample location was documented using digital photographs.
7. 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.
8. Waste was packaged on site inside one one-gallon bucket and labeled. After review of the sample results, it was determined that the waste was Excluded PCB Product.

4 METHODOLOGY

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

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

5 RESULTS

Table 1.0
Summary of Collected Samples

Building J – Music				
Component Sampled	**Sample Description**	**Material Description**	**Sample Numbers/Sample Location**	**Result (PPM) (Aroclor 1254)**
Double door with metal casing	Source sample	Door caulking	041218-SF06 / Room 26- south door	1080
Double door with metal casing	Delineation sample	Wood/drywall	050318-SF01D / duplicate of 050318-SF01 (1") (interior door – south door, 3 ft from floor bottom left)	1.98

The results for all other materials sampled were reported as "non-detected" or less than <50 ppm or <1 ppm. Please refer to Appendix A for the complete listing of materials sampled and locations.

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

6 QUALITY CONTROL

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.

In addition to the primary samples, Alta collected field duplicate samples, collected side by side next to the primary sample and split-duplicates prepared by homogenizing the sampled material and splitting it into two identical samples.

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

Results of duplicate samples and split duplicate samples were reported as consistently within acceptable analytical limits.

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

7 CONCLUSIONS

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

1. PCB Bulk Product Waste
    1. Door caulking around double doors with metal casing frames, and at least 3 inch of surrounding interior drywall and exterior stucco
    2. Interior single window with wood casing, and at least 1 inch of surrounding exterior wood.
2. Excluded PCB Product
    1. All remaining door caulking around door frames included in the scope of work, and

All floor tiles included in the scope of work. 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 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

Submitted for, and on behalf of Alta Environmental.

Prepared by:	Reviewed by:
Alta Environmental	**Alta Environmental**
Bob Pilzer Project Manager	David Schack VP, Building Sciences

Appendix A
Sample Inventories

Summary of Source Bulk Samples

CLIENT: Santa Monica-Malibu Unified School District
PROJECT NO: SMSD-18-7612
PROJECT: John Adams Middle School
Date: April 20, 2018

Component ID	Building Name	Material Description	Sample Number	Sample Location	Material Location	Total PCBs (ppm)
Room 27 east closet doors	Music Building	Door caulking	041218-SF01	Room 27 east closet doors (orchestra storage)	Closet doors at room 27 (FR1, FR2, FR3)	3.32
Double door with metal casing	Music Building	Door caulking	041218-SF02	Room 27 north door	Interior/exterior double doors with metal casings (FR4-FR9)	Non-detected
Double door with metal casing	Music Building	Door caulking	041218-SF06	Room 26 south door	Room 26, 27	1080
Double door with metal casing	Music Building	Door caulking	041218-SF07	Room 27 north door	Room 26, 27	2.17
Single door wood casing	Music Building	Door caulking	041218-SF03	Room 27B southeast door north end	Single door with wood casing room 26A thru 26J, 27A thru 27C (FR-10 thru FR-12; FR12A-FR12C)	3.24
Single door wood casing	Music Building	Door caulking	041218-SF04	Room 27B south door	Single door with wood casing room 26A thru 26J, 27A thru 27C (FR-10 thru FR-12; FR12A-FR12C)	3.00
Single door wood casing	Music Building	Door caulking	041218-SF08	Room 26 northwest door	Single door with wood casing room 26A thru 26J, 27A thru 27C (FR-10 thru FR-12; FR12A-FR12C)	3.26

Summary of Source Bulk Samples

CLIENT: Santa Monica-Malibu Unified School District
PROJECT NO: SMSD-18-7612
PROJECT: John Adams Middle School
Date: April 20, 2018

Component ID	Building Name	Material Description	Sample Number	Sample Location	Material Location	Total PCBs (ppm)
Interior single window with casing	Music Building	Window caulking	041218-SF05	Room 27A	Interior single windows on wood casing at room 27A, 27B, 27C, 26B, 26D, 26E, 26F, 26G, 26H, 26J (FR-19-FR25)	2.62
Interior single window with casing	Music Building	Window caulking	041218-SF09	Room 26-26D	Interior single windows on wood casing at room 27A, 27B, 27C, 26B, 26D, 26E, 26F, 26G, 26H, 26J (FR-19-FR25)	3.28
Interior single window with casing	Music Building	Window caulking	041218-SF10	Room 26-26H	Interior single windows on wood casing at room 27A, 27B, 27C, 26B, 26D, 26E, 26F, 26G, 26H, 26J (FR-19-FR25)	2.11
Single door metal casing	Music Building	Door caulking	041218-SF11	Janitor's closet	Single door with metal casing at janitor's closet and restroom 1 and restroom 2	Non-detected
Single door metal casing	Music Building	Door caulking	041218-SF12	Restroom - east interior	Single door with metal casing at janitor's closet and restroom 1 and restroom 2	0.575
Single door metal casing	Music Building	Door caulking	041218-SF13	Restroom - west interior	Single door with metal casing at janitor's closet and restroom 1 and restroom 2	1.86

Summary of Source Bulk Samples

CLIENT: Santa Monica-Malibu Unified School District
PROJECT NO: SMSD-18-7612
PROJECT: John Adams Middle School
Date: April 20, 2018

Component ID	Building Name	Material Description	Sample Number	Sample Location	Material Location	Total PCBs (ppm)
Vinyl floor tile (12")	Music Building	12" gray floor tile with residual black mastic	041218-SF14	Room 26 - storage room northeast	Under carpet in room 26B, 26C	Non-detected
Vinyl floor tile (12")	Music Building	12" gray floor tile with residual black mastic	041218-SF15	Room 27 pratice room southeast	Room 27, 27 practice room	Non-detected
Vinyl floor tile (12")	Music Building	12" gray floor tile with residual black mastic	041218-SF16	Room 27 southwest center	Room 27, music room, under carpet in room 27	Non-detected
Note: All source composities use 3 areas combined into one sample						

Summary of Delineation Bulk Samples

CLIENT: Santa Monica-Malibu Unified School District
PROJECT NO: SMSD-18-7612
PROJECT: John Adams Middle School
Date: April 20, 2018

Component ID	Building Name	Material Description	Sample Number	Sample Location	Material Location	Total PCBs (ppm)
Room 27 east closet doors	Music Building	Wood over drywall	41218-FR1	Room 27 - south wall east corner, 4 ft up (1")	Closet door at room 27 - east end. Note: closet is on single build in unit	Non-detected
Double doors with metal casing	Music Building	Wood over drywall	41218-FR4	Room 27 - north door east side 4 ft up (1")	Interior - double doors with metal casings at room 26 and 27	0.891
Double doors with metal casing	Music Building	Stucco	41218-FR7	Exterior - room 27 north door - east side 4 ft up (1")	Exterior - double doors with metal casings at room 26 and 27	0.608
Single door wood casing	Music Building	Drywall	41218-FR10	Room 27B - southeast door north end 4 ft up (1")	Single door with wood casings (at room 26, 26A thru 26H, 27, 27A thru 27C)	0.610
Single door wood casing	Music Building	Wood	41218-FR12A	Room 27B - southeast door north end 4 ft up (1")	Single door with wood casings (at room 26, 26A thru 26J, 27, 27A thru 27C)	0.592
Single door metal casing	Music Building	Stucco	41218-FR13	Janitor's closet door east side 4ft up (1")	Single door with metal casing at janitor's closet, staff restroom 1 and staff restroom 2	Non-detected
Single door metal casing	Music Building	Plaster	41218-FR16	Interior west side 4ft up (1")	Single door with metal casing at janitor's closet, staff restroom 1 and staff restroom 2	Non-detected

Summary of Delineation Bulk Samples

CLIENT: Santa Monica-Malibu Unified School District
PROJECT NO: SMSD-18-7612
PROJECT: John Adams Middle School
Date: April 20, 2018

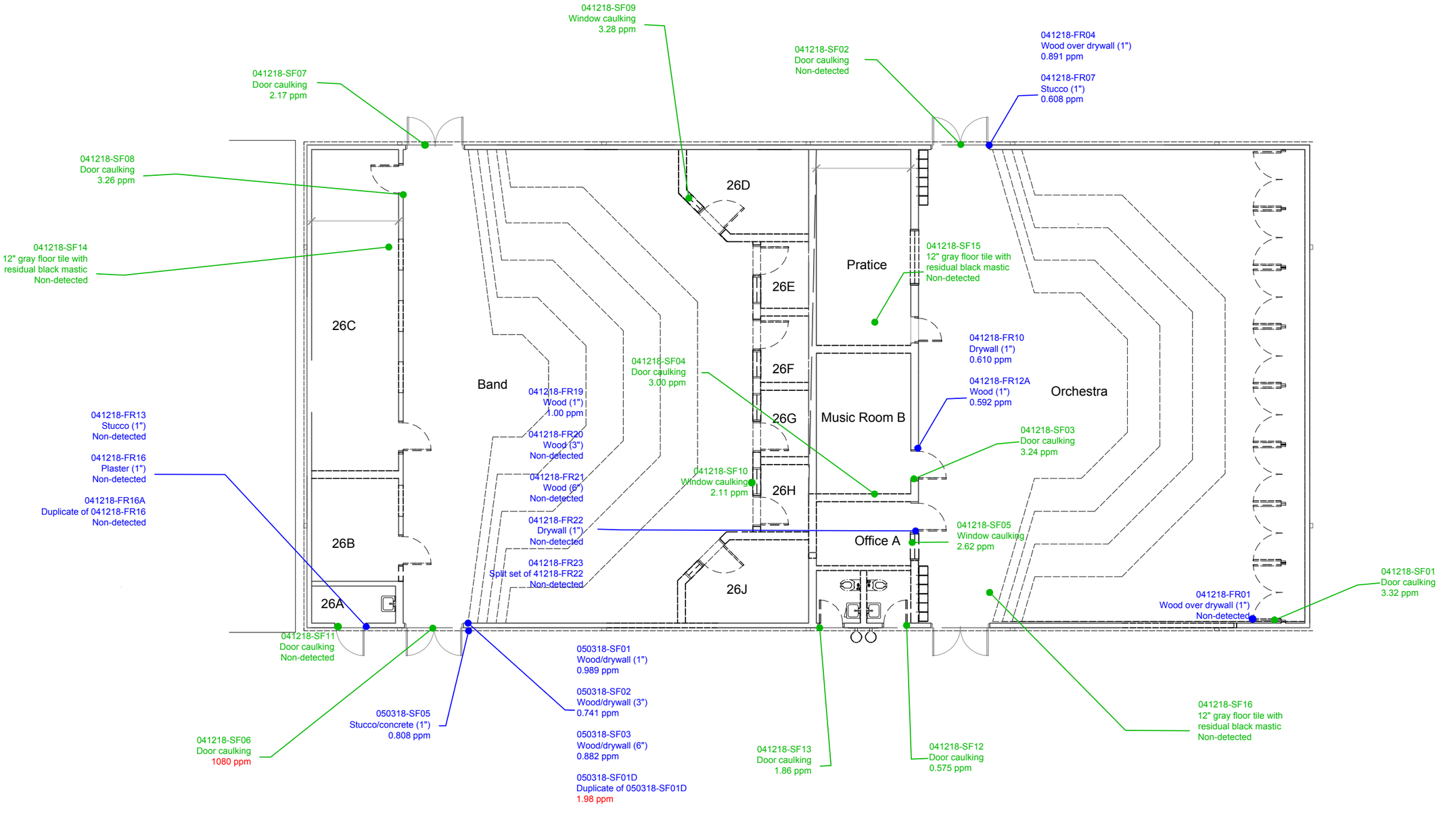
Component ID	Building Name	Material Description	Sample Number	Sample Location	Material Location	Total PCBs (ppm)
Single door metal casing	Music Building	Plaster	41218-FR16A	Duplicate of 41218-FR16	Single door with metal casing at janitor's closet, staff restroom 1 and staff restroom 2	Non-detected
Interior single window with wood casing	Music Building	Wood	41218-FR19	Room 27A, exterior south end 4 ft up (1")	Interior single windows on wood casing at room 27A, 27B, 27C, 26C, 26D, 26E, 26F, 26G, 26H, 26J	1.00
Interior single window with wood casing	Music Building	Wood	41218-FR20	Room 27A, exterior south end 4 ft up (3")	Interior single windows on wood casing at room 27A, 27B, 27C, 26C, 26D, 26E, 26F, 26G, 26H, 26J	Non-detected
Interior single window with wood casing	Music Building	Wood	41218-FR21	Room 27A, exterior south end 4 ft up (6")	Interior single windows on wood casing at room 27A, 27B, 27C, 26C, 26D, 26E, 26F, 26G, 26H, 26J	Non-detected
Interior single window with wood casing	Music Building	Drywall	41218-FR22	Room 27A - inteiror room south end 4 ft up (1")	Interior single windows on wood casing at room 27A, 27B, 27C, 26C, 26D, 26E, 26F, 26G, 26H, 26J	Non-detected
Interior single window with wood casing	Music Building	Drywall	41218-FR23	Split set 41218-FR22	Interior single windows on wood casing at room 27A, 27B, 27C, 26C, 26D, 26E, 26F, 26G, 26H, 26J	Non-detected
Double doors with metal casing	Music Building	Wood/drywall	050318-SF01	Interior door - south door, 3 ft. from floor bottom left (1")	Room 26 and room 27 walls	0.989

Summary of Delineation Bulk Samples

CLIENT: Santa Monica-Malibu Unified School District
PROJECT NO: SMSD-18-7612
PROJECT: John Adams Middle School
Date: April 20, 2018

Component ID	Building Name	Material Description	Sample Number	Sample Location	Material Location	Total PCBs (ppm)
Double doors with metal casing	Music Building	Wood/drywall	050318-SF02	Interior door - south door, 3 ft. from floor bottom left (3")	Room 26 and room 27 walls	0.741
Double doors with metal casing	Music Building	Wood/drywall	050318-SF03	Interior door - south door, 3 ft. from floor bottom left (6")	Room 26 and room 27 walls	0.882
Double doors with metal casing	**Music Building**	**Wood/drywall**	**050318-SF01D**	**Duplicate of 050318-SF01**	**Room 26 and room 27 walls**	**1.98**
Double doors with metal casing	Music Building	Stucco/concrete	050318-SF05	Exterior door - south door, 4 ft from floor bottom right (1")	Exterior walls room 26 and 27	0.808

Appendix B
Sample Location Maps



Note: Locations are approximate

LEGEND

- Delineation Samples
- Source Samples

PCB Sample Location Map

Building J - Music Building
John Adams Middle School
2425 16th Street
Santa Monica, California

N

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

DATE: May 2018 | Project No.: SMSD-18-7674

Appendix C
Laboratory Reports

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

Date: April 20, 2018

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

Project: **JAMS - Malibu Bldg.**
Lab I.D.: **180413-23 through -35**

Dear Mr. Schack:

The **analytical results** for the solid samples, received by our laboratory on April 13, 2018, are attached. The samples were received intact, and accompanying chain of custody.

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

Sincerely,

Curtis Desilets
Vice President/Program Manager

for
Andy Wang
Laboratory Manager

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

LABORATORY REPORT

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

DATE SAMPLED: 04/12/18
MATRIX: SOLID
REPORT TO: MR. DAVID SCHACK

DATE RECEIVED: 04/13/18
DATE EXTRACTED: 4/13&16/18
DATE ANALYZED: 04/17/18
DATE REPORTED: 04/20/18

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

SAMPLE I.D.	LAB I.D.	PCB-1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260	TOTAL PCBs*	DF
041218-SF01	180413-23	ND	ND	ND	ND	ND	3.32	ND	3.32	1
041218-SF02	180413-24	ND	ND	ND	ND	ND	ND	ND	ND	4^
041218-SF06	180413-25	ND	ND	ND	ND	ND	1080***	ND	1080***	250
041218-SF07	180413-26	ND	ND	ND	ND	ND	2.17	ND	2.17	1
041218-SF03	180413-27	ND	ND	ND	ND	ND	3.24	ND	3.24	1
041218-SF04	180413-28	ND	ND	ND	ND	ND	3.00	ND	3.00	1
041218-SF08	180413-29	ND	ND	ND	ND	ND	3.26	ND	3.26	1
041218-SF05	180413-30	ND	ND	ND	ND	ND	2.62	ND	2.62	1
041218-SF09	180413-31	ND	ND	ND	ND	ND	3.28	ND	3.28	1
041218-SF10	180413-32	ND	ND	ND	ND	ND	2.11	ND	2.11	1
041218-SF11	180413-33	ND	ND	ND	ND	ND	ND	ND	ND	1
041218-SF12	180413-34	ND	ND	ND	ND	ND	0.575	ND	0.575	1
041218-SF13	180413-35	ND	ND	ND	ND	ND	1.86	ND	1.86	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 due to Matrix Interference

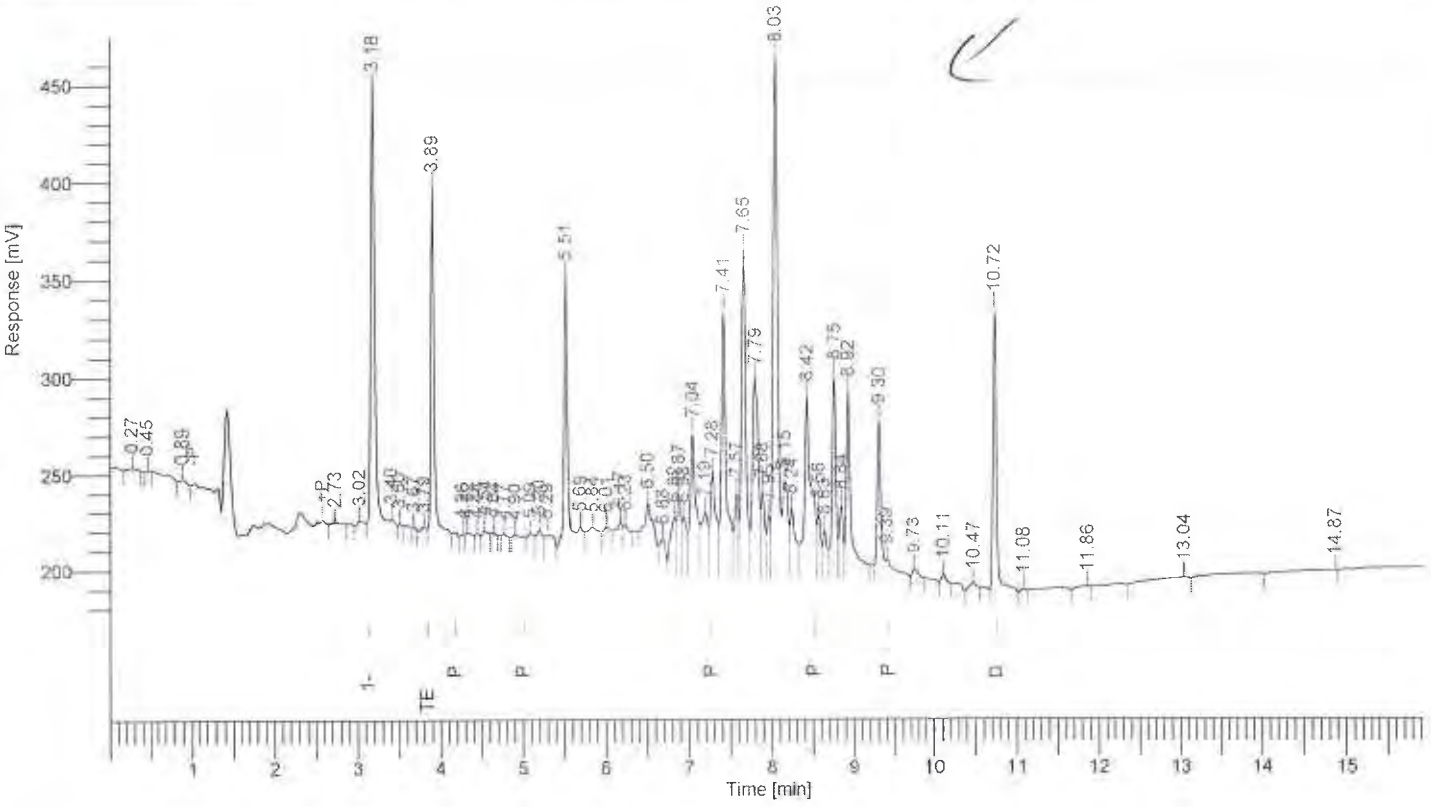
Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Software Version : 6.3.2.0646
Sample Name : 180413-25 2/2500 RE
Instrument Name : GC-J
Rack/Vial : 0/43
Sample Amount : 1.000000
Cycle : 6

Date : 4/19/2018 3:05:32 PM
Data Acquisition Time : 4/17/2018 12:01:15 PM
Channel : A
Operator : tcprocess
Dilution Factor : 1.000000

Result File : E:\GC DATA\A056.rst
Sequence File : E:\GC DATA\GC-J\J02018\J1804\J180416\J180416.seq

MATRIX INTERFERENCE



PCB Results

Peak #	Component Name	Time [min]	Area [uV*sec]	Height [µV]	Adjusted Amount
6	1-Bromo-2-Nitrobenzene	3.18	704338.93	221014.44	
10	Tetra chloro-meta-xylene	3.79	8278.95	2018.88	1.979
	PCB (1016+1260)	5.42	844073.78	187057.43	0.962
56	Decachlorobiphenyl	10.72	453527.82	142064.06	111.345
			2010219.48	552154.82	114.286

Enviro-Chem, Inc.

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

EPA 8082 QA/QC Report

Matrix: **Soil/Solid/Sludge** Date Analyzed: **4/17/2018**

Unit: mg/Kg(PPM)

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

Spiked Sample Lab I.D.: 180416-LCS1/2

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
PCB (1016+1260)	0.000	0.100	0.119	**119%**	0.099	**99%**	**18%**	**0-20%**	**70-130**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	0.100	0.075	**75%**	**75-125**

Surrogate Recovery	ACP%	ACP%	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	180413-23	180413-24	180413-25	180413-26	180413-27	180413-28
Tetra-chloro-meta-xylene	50-150	114%	142%	154*%	93%	124%	119%	124%
Decachlorobipneyl	50-150	109%	75%	69%	67%	65%	60%	61%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	180413-29	180413-30	180413-31	180413-32	180413-33	180413-34	180413-35	
Tetra-chloro-meta-xylene	130%	125%	121%	109%	133%	118%	80%	
Decachlorobipneyl	107%	63%	61%	60%	64%	119%	80%	

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

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

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

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

Analyzed and Reviewed By: _____

Final Reviewer: _____

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

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

Misc./PO# JAMS - Music Bldg

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	EPA 8082 PCB	COMMENTS
041218 - SF01	1804B3-23	04/12/18	1600	Bulk	1		Ice	X	* Ignore mark on sample IDs
-SF02	-24		1625		1			X	
-SF06	-25		1645		1			X	
-SF07	-26		1700		1			X	
-SF03	-27		1725		1			X	
-SF04	-28		1745		1			X	Possible High hits.
-SF08	-29		1800		1			X	
-SF05	-30		1825		1			X	
-SF09	-31		1845		1			X	
-SF10	-32		1900		1			X	
-SF11	-33		1925		1			X	
-SF12	-34		1945		1			X	
-SF13	-35		2000		1			X	

Company Name: AHA Environmental
Address: 3777 Long Beach Blvd
City/State/Zip: Long Beach, CA 90807
Project Contact: David Senek
Tel:
Fax:
Sampler's Signature:
Project Name/ID: JAMS - Music Bldg

Relinquished by:	Received by:	Date & Time: 04/12/18	Instructions for Sample Storage After Analysis:
Relinquished by: 4-13-18 1100	Received by:	Date & Time: 4/13/18 1100	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	O Other:

CHAIN OF CUSTODY RECORD

Date: 04/13/18

WHITE WITH SAMPLE • YELLOW TO CLIENT

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

Date: April 20, 2018

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

Project: **JAMS - Malibu Bldg.**
Lab I.D.: **180413-36 through -64**

Dear Mr. Schack:

The **analytical results** for the solid samples, received by our laboratory on April 13, 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

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

LABORATORY REPORT

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

DATE RECEIVED: 04/13/18
DATE SAMPLED: 04/12/18
DATE EXTRACTED: 4/13&16/18
MATRIX: SOLID
DATE ANALYZED: 04/16&17/18
REPORT TO: MR. DAVID SCHACK
DATE REPORTED: 04/20/18

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

SAMPLE I.D.	LAB I.D.	PCB-1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260	TOTAL PCBs*	DF
41218-FR1	180413-36	ND	ND	ND	ND	ND	ND	ND	ND	1
41218-FR4	180413-39	ND	ND	ND	ND	ND	0.891	ND	0.891	1
41218-FR7	180413-42	ND	ND	ND	ND	ND	0.608	ND	0.608	1
41218-FR10	180413-45	ND	ND	ND	ND	ND	0.610	ND	0.610	1
41218-FR12A	180413-48	ND	ND	ND	ND	ND	0.592	ND	0.592	1
41218-FR13	180413-51	ND	ND	ND	ND	ND	ND	ND	ND	1
41218-FR16	180413-54	ND	ND	ND	ND	ND	ND	ND	ND	1
41218-FR16A	180413-55	ND	ND	ND	ND	ND	ND	ND	ND	1
41218-FR19	180413-58	ND	ND	ND	ND	ND	1.00	ND	1.00	1
41218-FR22	180413-61	ND	ND	ND	ND	ND	ND	ND	ND	1
41218-FR23	180413-62	ND	ND	ND	ND	ND	ND	ND	ND	1
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1
	PQL	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	

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

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

Enviro-Chem, Inc.

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

EPA 8082 QA/QC Report

Matrix: **Soil/Solid/Sludge** Date Analyzed: **4/16-17/2018**

Unit: mg/Kg(PPM)

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

Spiked Sample Lab I.D.: **180416-LCS1/2**

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
PCB (1016+1260)	0.000	0.100	0.080	**80%**	0.074	**74%**	**9%**	**0-20%**	**70-130**

Lab Control Spike (LCS) Recovery:

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

Surrogate Recovery	ACP%	ACP%	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	180413-36	180413-39	180413-42	180413-45	180413-48	180413-51
Tetra-chloro-meta-xylene	50-150	114%	116%	127%	112%	109%	109%	89%
Decachlorobipneyl	50-150	71%	98%	131%	104%	95%	111%	68%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	18413-54	180413-55	18413-58	180413-61	180413-62			
Tetra-chloro-meta-xylene	120%	117%	114%	114%	117%			
Decachlorobipneyl	71%	70%	116%	105%	109%			

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

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

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

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

Analyzed and Reviewed By: _____

Final Reviewer: _____

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

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

Misc./PO# JAMS - Monroe Bldg

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required	COMMENTS
41218-FR1	180413-36	4-12-18	1530	Bulk	1		Ice	X	1"
FR2	-37		1600		1			X	archive 3" + 6"
FR3	-38		1605		1			X	1"
FR4	-39		1610		1			X	archive 3" + 6"
FR5	-40		1615		1			X	1"
FR6	-41		1645		1			X	archive 3" + 6"
FR7	-42		1648		1			X	1"
FR8	-43		1650		1			X	archive 3" + 6"
FR9	-44		1650 ~~1655~~		1			X	1"
FR10	-45		1720 ~~1725~~		1			X	archive 3" + 6"
FR11	-46		1725 ~~1730~~		1			X	1"
FR12	-47		1725 ~~1800~~		1			X	archive 3" + 6"
FR12A	-48		1800 ~~1805~~		1			X	1"
FR12B	-49		1805 ~~1815~~		1			X	archive 3" + 6"
FR12C	-50		1815		1			X	

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

Project Contact: BSc tracy@altaenviron.com D. Schack
Tel:
Fax:

Sampler's Signature:
Project Name/ID: JAMS - Monroe Bldg

Relinquished by:	4-13-18 1100	Received by:	Date & Time: 4/13/18 1100
Relinquished by:		Received by:	Date & Time:
Relinquished by:		Received by:	Date & Time:

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

CHAIN OF CUSTODY RECORD

Date: 4-13-18

WHITE WITH SAMPLE • YELLOW TO CLIENT

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

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

Misc./PO# JAMS - Music Bldg

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	EPA Method 8082 - PCBs	COMMENTS
41218-FR13	180413-51	4-12-18	1900	Bulk	1		Ice	1	1"
FR14	- 52		1910		1			1	archive 3"
FR15	- 53		1930		1			1	+ 6"
FR16	- 54		1945		1			1	1"
FR16A	- 55		1950		1			1	1"
FR17	- 56		1955		1			1	archive 3"
FR18	- 57		2000		1			1	+ 6"
FR19	- 58		2030		1			1	1"
FR20	- 59		2035		1			1	archive 3"
FR21	- 60		2040		1			1	+ 6"
FR22	- 61		2110		1			1	1"
FR23	- 62		2115		1			1	1"
FR24	- 63		2125		1			1	archive 3"
FR25	- 64		2130		1			1	+ 6"

Analysis Required

Company Name: Alta Environmental
Address: 3777 Long Beach Blvd
City/State/Zip: Long Beach Ca
Project Contact: BCS Group@Altaenviron.com D. Schack
Tel:
Fax:
Sampler's Signature:
Project Name/ID: JAMS - Music Bldg

Relinquished by:	4-13-18 1100	Received by:	Date & Time: 4/13/18 1100
Relinquished by:		Received by:	Date & Time:
Relinquished by:		Received by:	Date & Time:

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

CHAIN OF CUSTODY RECORD

Date: 4-13-18

WHITE WITH SAMPLE • YELLOW TO CLIENT

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

Date: April 26, 2018

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

Project: **JAMS - Malibu Bldg.**
Lab I.D.: **180413-36 through -64**

Dear Mr. Schack:

The **additional PCbs results** for the solid samples, received by our laboratory on April 13, 2018, are attached. The samples were received chilled, intact, accompanying chain of custody and also stored per the EPA protocols.

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

Sincerely,

Curtis Desilets
Vice President/Program Manager

Andy Wang
Laboratory Manager

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

LABORATORY REPORT

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

DATE SAMPLED:04/12/18
MATRIX:SOLID
REPORT TO:MR. DAVID SCHACK

DATE RECEIVED:04/13/18
DATE EXTRACTED:4/23&24/18
DATE ANALYZED:04/24/18
DATE REPORTED:04/26/18

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

SAMPLE I.D.	LAB I.D.	PCB-1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260	TOTAL PCBs*	DF
41218-FR20	180413-59	ND	ND	ND	ND	ND	ND	ND	ND	1
41218-FR21	180413-60	ND	ND	ND	ND	ND	ND	ND	ND	1
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1
	PQL	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	

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

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

Enviro-Chem, Inc.

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

EPA 8082 QA/QC Report

Matrix: **Soil/Solid/Sludge** Date Analyzed: **4/24/2018**

Unit: mg/Kg(PPM)

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

Spiked Sample Lab I.D.: 180424-LCS1/2

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
PCB (1016+1260)	0.000	0.100	0.092	**92%**	0.093	**93%**	**2%**	**0-20%**	**70-130**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	0.100	0.080	**80%**	**75-125**

Surrogate Recovery	ACP%	ACP%	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	180413-59	180413-60				
Tetra-chloro-meta-xylene	50-150	71%	105%	105%				
Decachlorobipneyl	50-150	94%	124%	127%				

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

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

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

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

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

Analyzed and Reviewed By: _____

Final Reviewer: _____

Gmail

Jessica Lin <envirocheminc@gmail.com>

Re: JAMS - Malibu Bldg (2 Reports)

Curtis B. Desilets <curt.envirocheminc@gmail.com> Mon, Apr 23, 2018 at 10:54 AM
To: Therese Rizarri <Therese.Rizarri@altaenviron.com>
Cc: David Schack <David.Schack@altaenviron.com>, Jessica Lin <envirocheminc@gmail.com>, Pearl Wong <pearlpwong@hotmail.com>

okay, no problem.

Jessica, we need additional PCBs for Alta... LAB ID: 180413-59, 180413-60.

-Curtis.

On Mon, Apr 23, 2018 at 10:42 AM, Therese Rizarri <Therese.Rizarri@altaenviron.com> wrote:

Good morning Curtis,

Can you please have the lab run the following samples, LAB ID: 180413-59, 180413-60.

If you have any questions, please let me know.

Thank you,

Therese Rizarri

SPECIALIST I

ALTA ENVIRONMENTAL

Expertise to Reduce Your Environmental and Safety Risks

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

o. 562.495.5777 | c. 562.826.2607 | f. 562.495.5877 | d. 562.489.9766

Therese.Rizarri@altaenviron.com | www.altaenviron.com

From: Curtis B. Desilets <curt.envirocheminc@gmail.com>
Sent: Friday, April 20, 2018 4:52 PM
To: David Schack <David.Schack@altaenviron.com>
Cc: Therese Rizarri <Therese.Rizarri@altaenviron.com>
Subject: JAMS - Malibu Bldg (2 Reports)

David and Therese:

Please see the attached lab reports (2) for the referenced project.

These reports are for the samples received on April 13, 2018.

Let us know if you have any questions or concerns. Thank you.

Have a GREAT weekend!

--

Curtis B. Desilets

Executive Vice President
Enviro-Chem Laboratories, Inc.
(909) 590-5905

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

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

Misc./PO# Stauss - Alvarez Bldg

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required: EPA Method 8082 - PCBs	COMMENTS
41218-FR13	180413-51	4-12-18	1900	Bulk	1		Ice	1	1"
FR14	-52		1910		1			1	archive 3"
FR15	-53		1930		1			1	6"
FR16	-54		1945		1			1	1"
FR16A	-55		1950		1			1	1"
FR17	-56		1955		1			1	archive 3"
FR18	-57		2000		1			1	6"
FR19	-58		2030		1			1	1"
FR20	-59		2035		1			1	archive 3"
FR21	-60		2040		1			1	6"
FR22	-61		2110		1			1	1"
FR23	-62		2115		1			1	1"
FR24	-63		2125		1			1	archive 3"
FR25	-64		2130		1			1	6"

Company Name: Alta Environmental
Address: 3777 Long Beach Blvd
City/State/Zip: Long Beach Ca
Project Contact: BCS Group@Altaenviron.com D. Schack
Tel:
Fax:
Sampler's Signature:
Project Name/ID: JAMS - Alvarez Bldg

Relinquished by:	4-13-18 1100	Received by:	Date & Time: 4/13/18/1100
Relinquished by:		Received by:	Date & Time:
Relinquished by:		Received by:	Date & Time:

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

CHAIN OF CUSTODY RECORD

Date: 4-13-18

WHITE WITH SAMPLE • YELLOW TO CLIENT

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

Date: April 19, 2018

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

Project: **JAMS - Malibu Bldg.**
Lab I.D.: **180416-41, -42, -43**

Dear Mr. Schack:

The **analytical results** for the solid samples, received by our laboratory on April 16, 2018, are attached. The samples were received intact, and accompanying chain of custody.

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

Sincerely,

Curtis Desilets
Vice President/Program Manager

for

Andy Wang
Laboratory Manager

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

LABORATORY REPORT

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

DATE SAMPLED: 04/13/18
MATRIX: SOLID
REPORT TO: MR. DAVID SCHACK

DATE RECEIVED: 04/16/18
DATE EXTRACTED: 4/16&17/18
DATE ANALYZED: 04/18/18
DATE REPORTED: 04/19/18

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

SAMPLE I.D.	LAB I.D.	PCB-1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260	TOTAL PCBs*	DF
41218-SF14	180416-41	ND	ND	ND	ND	ND	ND	ND	ND	1
41218-SF15	180416-42	ND	ND	ND	ND	ND	ND	ND	ND	1
41218-SF16	180416-43	ND	ND	ND	ND	ND	ND	ND	ND	1
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1
	PQL	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	

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

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

Enviro-Chem, Inc.

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

EPA 8082 QA/QC Report

Matrix: **Soil/Solid/Sludge** Date Analyzed: **4/18/2018**

Unit: mg/Kg(PPM)

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

Spiked Sample Lab I.D.: **180417-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%**	0.090	**90%**	**9%**	**0-20%**	**70-130**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	0.100	0.123	**123%**	**75-125**

Surrogate Recovery	ACP%	ACP%	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	180416-37	180416-38	180416-39	180416-40	180416-41	180416-42
Tetra-chloro-meta-xylene	50-150	137%	134%	127%	118%	111%	117%	132%
Decachlorobipneyl	50-150	63%	57%	56%	105%	102%	53%	48*%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	180416-43							
Tetra-chloro-meta-xylene	135%							
Decachlorobipneyl	44*%							

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

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

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

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

Analyzed and Reviewed By: _____

Final Reviewer: CM

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

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

Misc./PO# JAWS Music Bld

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required: EPA 8082 PCBs	COMMENTS
41218-SF14	1804161-41	4-13-18	1600	Blk	1		Ice	X	
" SF15	-42	"	1630	"	1		"	X	
" SF16	-43	"	1638	"	1		"	X	

Company Name: Alta Envirotech
Address: 3777 Long Beach Blvd
City/State/Zip: Long Beach Ca
Project Contact: D. Schack
Tel:
Fax:
Sampler's Signature:
Project Name/ID: JAWS - Music Blk

Relinquished by:	4-16-18 1520	Received by:	Date & Time: 4/16/2018 3:20 pm
Relinquished by:		Received by:	Date & Time:
Relinquished by:		Received by:	Date & Time:

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

CHAIN OF CUSTODY RECORD

Date: 4-16-18

WHITE WITH SAMPLE • YELLOW TO CLIENT

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

Date: May 8, 2018

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

Project: **JAMS Music Building Rm 26**
Lab I.D.: **180504-1 through -8**

Dear Mr. Schack:

The **additional PCBs results** for the solid samples, received by our laboratory on May 4, 2018, are attached. The samples were received chilled, intact, accompanying chain of custody and also stored per the EPA protocols.

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

Sincerely,

Curtis Desilets
Vice President/Program Manager

Andy Wang
Laboratory Manager

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

LABORATORY REPORT

CUSTOMER: **Alta Environmental**
3777 Long Beach Blvd, Annex Building, Long Beach, CA 90807
Tel: (562) 495-5777 Email: David.Schack@altaenviron.com
PROJECT: **JAMS Music Building Rm 26**

DATE RECEIVED: 05/04/18
DATE SAMPLED: 05/03/18 DATE EXTRACTED: 5/07-08/18
MATRIX: SOLID DATE ANALYZED: 05/08/18
REPORT TO: MR. DAVID SCHACK DATE REPORTED: 05/08/18

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

SAMPLE I.D.	LAB I.D.	PCB-1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260	TOTAL PCBs*	DF
050318 SF02	180504-2	ND	ND	ND	ND	ND	0.741	ND	0.741	1
050318 SF03	180504-3	ND	ND	ND	ND	ND	0.882	ND	0.882	1
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1
	PQL	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	

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

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

Enviro-Chem, Inc.

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

EPA 8082 QA/QC Report

Matrix: **Soil/Solid/Sludge** Date Analyzed: **5/8/2018**

Unit: mg/Kg(PPM)

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

Spiked Sample Lab I.D.: 180508-LCS1/2

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
PCB (1016+1260)	0.000	0.100	0.081	**81%**	0.082	**82%**	**2%**	**0-20%**	**70-130**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	0.100	0.089	**89%**	**75-125**

Surrogate Recovery	ACP%	ACP%	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	180504-2	180504-3				
Tetra-chloro-meta-xylene	50-150	97%	97%	93%				
Decachlorobipneyl	50-150	76%	76%	81%				

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

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

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

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

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

Analyzed and Reviewed By:

Final Reviewer:

Gmail

Jessica Huang <jh04envirocheminc@gmail.com>

Lab Report: JAMS Music Bldg. Rm. 26

Therese Rizarri <Therese.Rizarri@altaenviron.com> Mon, May 7, 2018 at 3:41 PM
To: Jessica Huang <jh04envirocheminc@gmail.com>, David Schack <David.Schack@altaenviron.com>

Hi Jessica,

Can you please analyze sample ID#: 050318-SF02 and 050318-SF03.
180504-2 180504-3.

If you have any questions, please let me know.

Thank you,

Therese Rizarri

SPECIALIST I

ALTA ENVIRONMENTAL

Expertise to Reduce Your Environmental and Safety Risks

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

o. 562.495.5777 | c. 562.826.2607 | f. 562.495.5877 | d. 562.489.9766

Therese.Rizarri@altaenviron.com | www.altaenviron.com

From: Jessica Huang <jh04envirocheminc@gmail.com>
Sent: Monday, May 7, 2018 3:28 PM
To: David Schack <David.Schack@altaenviron.com>; Therese Rizarri <Therese.Rizarri@altaenviron.com>
Subject: Lab Report: JAMS Music Bldg. Rm. 26

[Quoted text hidden]

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

Date: May 7, 2018

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

Project: **JAMS Music Building Rm 26**
Lab I.D.: **180504-1 through -8**

Dear Mr. Schack:

The **analytical results** for the solid samples, received by our laboratory on May 4, 2018, are attached. The samples were received chilled, intact, and accompanying chain of custody.

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

Sincerely,

Curtis Desilets
Vice President/Program Manager

Andy Wang
Laboratory Manager

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

LABORATORY REPORT

CUSTOMER: **Alta Environmental**
3777 Long Beach Blvd, Annex Building, Long Beach, CA 90807
Tel: (562) 495-5777 Email: David.Schack@altaenviron.com
PROJECT: **JAMS Music Building Rm 26**

DATE SAMPLED: 05/03/18
MATRIX: SOLID
REPORT TO: MR. DAVID SCHACK

DATE RECEIVED: 05/04/18
DATE EXTRACTED: 5/04&07/18
DATE ANALYZED: 05/07/18
DATE REPORTED: 05/07/18

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

SAMPLE I.D.	LAB I.D.	PCB-1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260	TOTAL PCBs*	DF
050318 SF01	180504-1	ND	ND	ND	ND	ND	0.989	ND	0.989	1
050318 SF010	180504-4	ND	ND	ND	ND	ND	1.98	ND	1.98	1
050318 SF05	180504-6	ND	ND	ND	ND	ND	0.808	ND	0.808	1
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1
	PQL	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	

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

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

Enviro-Chem, Inc.

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

EPA 8082 QA/QC Report

Matrix: **Soil/Solid/Sludge** Date Analyzed: **5/7/2018**

Unit: mg/Kg(PPM)

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

Spiked Sample Lab I.D.: 180504-29 MS/MSD

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
PCB (1016+1260)	0.000	0.100	0.096	**96%**	0.101	**101%**	**5%**	**0-20%**	**70-130**

Lab Control Spike (LCS) Recovery:

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

Surrogate Recovery	ACP%	ACP%	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	180504-1	180504-4	180504-6			
Tetra-chloro-meta-xylene	50-150	96%	113%	112%	96%			
Decachlorobipneyl	50-150	72%	80%	60%	39%*			

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

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

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

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

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

Analyzed and Reviewed By: _____

Final Reviewer: _____

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

RUSH

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

Misc./PO#
cc: BSCResults & Scott Fa

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	EPA 8082	COMMENTS
050318 SF01	180504-1	05/03/18	1000	Bulk	1x40z jar		Ice	X	
SF02	-2		1025					X	Archive 3"
SF03	-3		1045					X	6"
SF010	-4		1915					X	Duplicate 1"
SF04	-5		1935					X	archive 5 of 7 of (SF) 3"
SF05	-6		1955					X	1"
SF06	-7		2005					X	Archive 3"
SF07	-8		2030					X	6"

Analysis Required

Company Name: Alpha Environmental
Address: 3777 Long Beach Blvd
City/State/Zip: Long Beach CA 90807
Project Contact: David Senack
Tel:
Fax:
Sampler's Signature: Scott
Project Name/ID: JAMS MUSIC Rm 26 - Bank

Relinquished by: Scott 0920	Received by:	Date & Time: 05/03/18 0920
Relinquished by:	Received by:	Date & Time:
Relinquished by:	Received by:	Date & Time:

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

CHAIN OF CUSTODY RECORD

Date: 05/03/18

WHITE WITH SAMPLE • YELLOW TO CLIENT

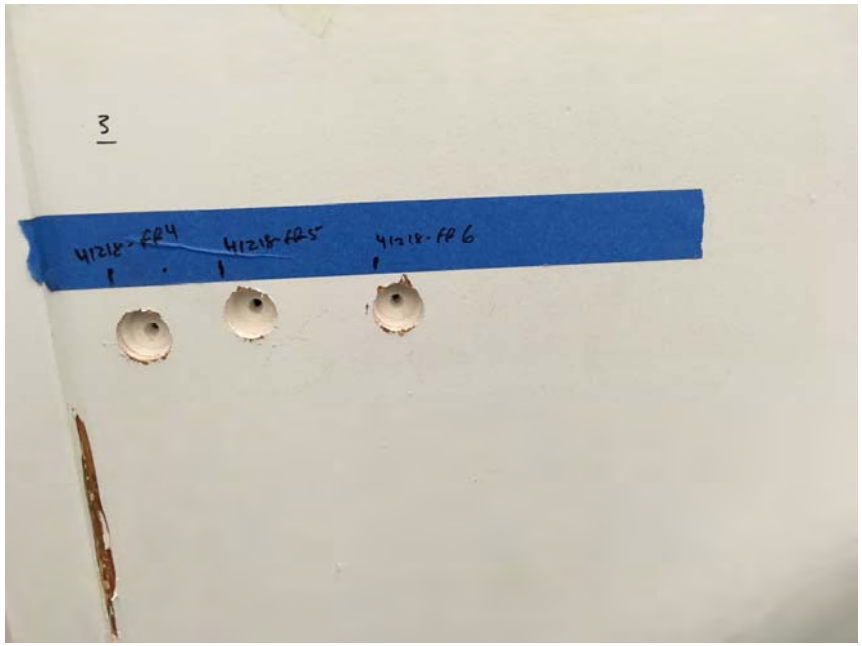
Appendix D
Photographs

John Adams Middle School – Building J (Delineation)

41218-SF1 thru 41218-SF3

- No photo taken

41218-SF4 thru 41218-SF6



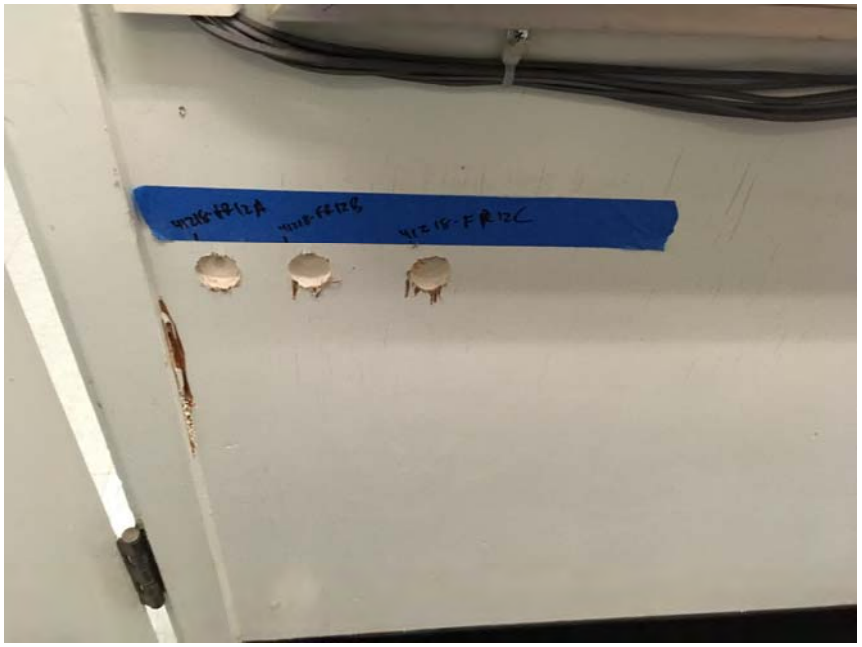
John Adams Middle School – Building J (Delineation)

41218-SF7 thru 41218-SF9

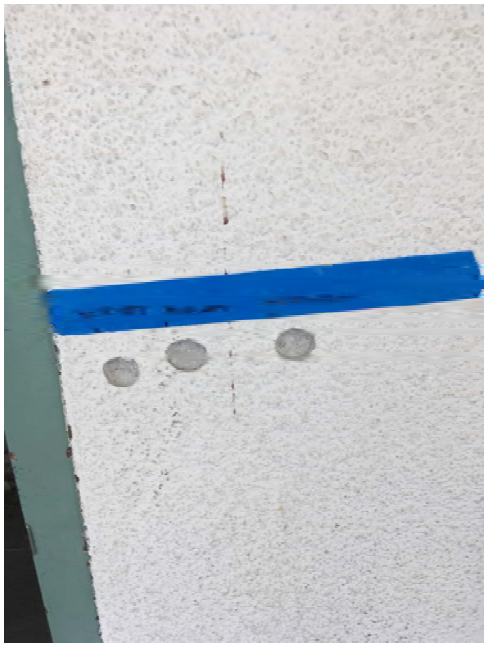
41218-SF10 thru 41218-SF12

John Adams Middle School – Building J (Delineation)

41218-SF12A thru 41218-SF12C



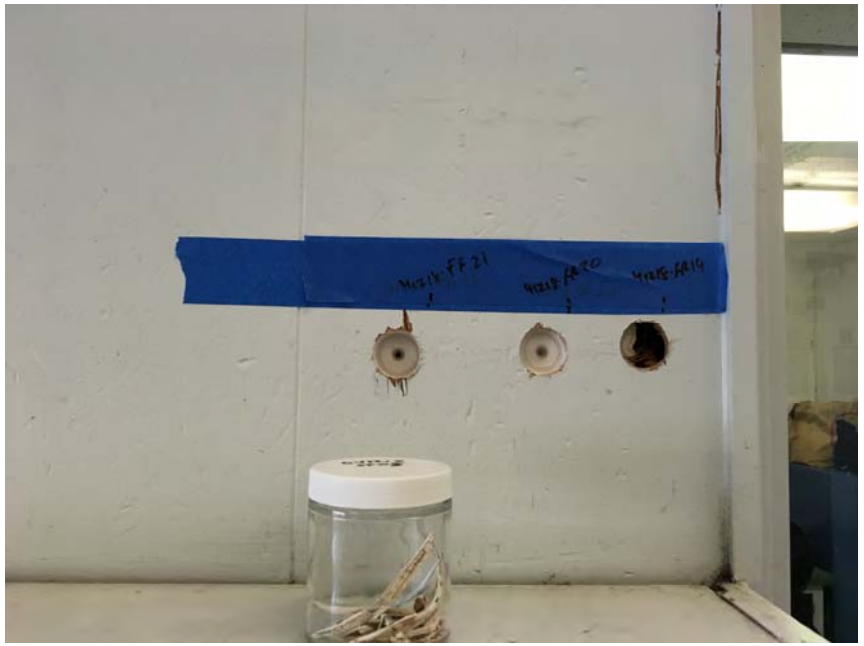
41218-SF13 thru 41218-SF15



John Adams Middle School – Building J (Delineation)

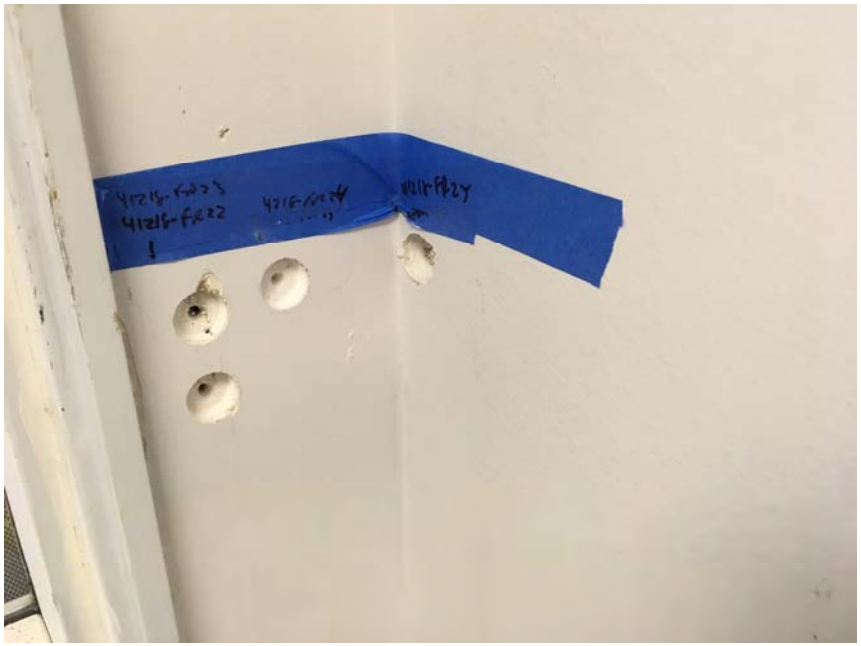
41218-SF16 thru 41218-SF18

41218-SF19 thru 41218-SF21



John Adams Middle School – Building J (Delineation)

41218-SF21 thru 41218-SF24



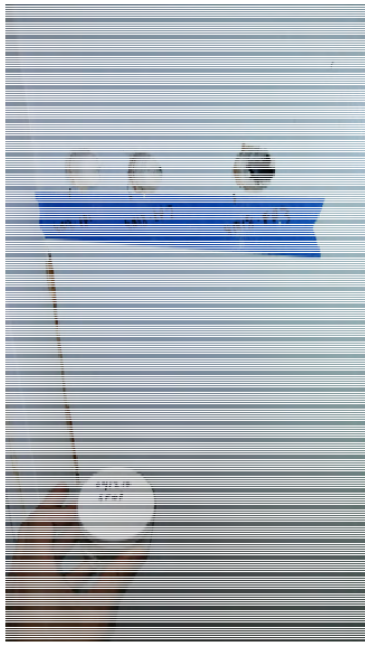
050318-SF01 thru 050318-SF04

John Adams Middle School – Building J (Delineation)

050318-SF05 thru 050318-SF07

John Adams Middle School – Building J (Source)

041218-SF01



041218-SF02

John Adams Middle School – Building J (Source)

041218-SF03

041218-SF05

John Adams Middle School – Building J (Source)

041218-SF06

041218-SF07

John Adams Middle School – Building J (Source)

041218-SF08

- No photo taken

041218-SF09

- No photo taken

John Adams Middle School – Building J (Source)

041218-SF10

041218-SF11

John Adams Middle School – Building J (Source)

041218-SF12

041218-SF13

John Adams Middle School – Building J (Source)

041218-SF14 thru 041218-SF16

- No photo taken