



PCB DELINIATION SAMPLING

Doors and Windows Replacement Project
Buildings A, B, D, E, F, G, H, J, K, L, M, N and P
Rogers Elementary School
2401 14th Street
Santa Monica, California 90404

Prepared for:

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

Project No.: SMSD-16-6467
Date: December 12, 2016

EXECUTIVE SUMMARY

On November 8, 10 and 30, 2016, Alta Environmental conducted PCBs delineation sampling for the door and window replacement project in buildings A, B, D, E, F, G, H, J, K, L, M, N and P at Rogers Elementary School located at 2401 14th Street, Santa Monica, California 90404.

The sampling was conducted in accordance with the approved proposal, site-specific work plan prepared for this project (Alta Work Plan, dated November 4, 2016), which was reviewed and approved by the District and "USEPA Region I Standard Operation Procedures for Sampling Porous Surfaces for Polychlorinated Biphenyl", approved for use by the District, May, 23, 2011 prepared by Ramboll Environ. A predetermined number of doors and windows, and sample locations were selected as part of the approved work plan. The doors and windows and sample locations were randomly selected based on similarity of each component and building construction date. Ten percent (10%) of each similar component was randomly sampled in each building of similar construction.

Alta collected samples from the surrounding porous surfaces. Alta collected a total of 150 samples starting at 1 inch (1"), 3 inch (3") and 6 inch (6") intervals away from the impacted door and window casing from a surface depth of 0-.5". 5 duplicates QA/QC samples and 2 split duplicates QA/QC samples were also collected. As per the District request, only 1" samples were analysed, with the intent of analysing the associated 3" and 6" samples only if the 1" samples reported levels of PCBs greater than 1ppm. A total of 50 sample analyses representative of the 1" samples were analysed by the laboratory. 5 duplicate samples and 2 split duplicates samples were also analysed by the laboratories. All samples collected including the duplicates and split duplicates were reported as none detected for PCBs.

The District has assumed that the door and window caulking contains PCBs. Caulking is assumed to be concealed by several layers of paint and stucco. Based on these assumption the door and window casings and the area surrounding the doors and windows casings 0 to 1" of impacted porous should be assumed to contain PCBs.

Removal of the doors and window casings and 0-1" of associated porous surface surrounding the doors and window casings 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 761 and California hazardous waste regulation set forth in Title 22, Division 4.5 of the California Code of Regulations.

The intent of the sampling was to determine if PCBs assumed to be present in the associated door and window caulking may have migrated into adjacent porous surfaces. It is understood that the data contained in this report is to be used for planning and budgeting purposes related to a scheduled door and window replacement project. Additional sampling may be required to further characterize the site, waste disposal characterization, and area clearance following the removal of the impacted doors.

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REPORTED: December 12, 2016

PROJECT NO.: SMSD-16-6467

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

ATTENTION: Mr. Chris Emmett

REF: PCBs Delineation Sampling
Buildings A, B, D, E, F, G, H, J, K, L, M, N, P
Rogers Elementary School
82401 14th Street
Santa Monica, California 90404

1 INTRODUCTION

On November 8, 10 and 30, 2016, Alta Environmental conducted PCBs delineation sampling for the door and window replacement project in buildings A, B, D, E, F, G, H, J, K, L, M, N and P at Rogers Elementary School located at 2401 14th Street, Santa Monica, California 90404.

The sampling was completed by Cesar Ruvalcaba, Fabian Ruvalcaba and Therese Rizarri, all Cal OSHA HAZWOPER trained technicians.

2 SCOPE OF WORK

The Santa Monica-Malibu Unified School District retained Alta Environmental for the sampling (approved proposal dated "Revised, November 3, 2016").

The PCBs delineation sampling was completed around doors and window casings slated for removal and replacement in buildings A, B, D, E, F, G, H, J, K, L, M, N and P in areas identified in project drawings prepared by HMC Architects (Project #3448017-000), dated September 2, 2016.

Alta delineation sampling was completed as follows:

1. A one inch sized diameter drill bit was used in conjunction with a rotary impact hammer to collect samples from stucco, and wall plaster surfaces.
2. A polyethylene drop-sheet will be placed below the sampling area to capture any dust which may be dislodged during the sample collection.
3. Samples were placed inside an appropriate glass jar with a Teflon lined cap.
4. Samples were labelled, packaged, and documented on a Chain of Custody for shipping to the laboratory.
5. Samples were shipped to the laboratory in a chilled ice chest.
6. 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.
7. Each sample location was documented using digital photographs

The sampling was conducted in accordance with the approved proposal, a site-specific work plan prepared for this project (Alta Work Plan, dated November 4, 2016), which was reviewed and approved by the District and "USEPA Region I Standard Operation Procedures for Sampling Porous Surfaces for Polychlorinated Biphenyl", approved for use by the District, May, 23, 2011 prepared by Ramboll Environ. A predetermined number of doors and windows, and sample locations were selected as part of the approved work plan. The doors and windows and sample locations were based on similarity of each component and building construction date. Ten percent (10%) of each similar component was randomly sampled in each building of similar construction. Below, in Table 1 is summary of the sampled components.

Table 1
Summary of Window Types and Associated Substrates

Window Type ID	Window Description	Building	Location	Exterior Substrate	Interior Substrate
A	Full wall metal window panels set in concrete saddle wall	B	West elevation	Concrete and Stucco	Concrete, plaster with wood
		E, G, H, J, L	North elevation		
		D	South elevation		
B	Half wall metal windows set in concrete walls penetrating through stucco covered walkways	A and B	West elevation	Concrete and stucco	Concrete, plaster, wood
		E, F, G, H, J, L	South elevation		
		D	North elevation		
C	Doors embedded with the full wall metal windows panels on concrete walls (A windows)	B, E, F, G, H, J, L	North elevation	Concrete	Concrete and wood
		D	South elevation		
D	3'x4' metal windows	A, B	East elevation	Stucco	Plaster and wood
		K	West elevation		
E	Full wall wood window set on wood sill	A	North elevation	Stucco	Wood sill
F	Full wall metal windows set on wood casings	K, P, M, N	East elevation	Stucco and wood	Plaster
G	High wall (transom) wood window	K, P, M, N	West elevation	Stucco and wood	Plaster

3 METHODOLOGY

Alta collected samples from the surrounding porous surfaces. Alta collected 150 samples starting at 1 inch (1"), 3 inch (3") and 6 inch (6") intervals away from the impacted door and window casing from a surface

depth of 0-.5". 5 duplicates QA/QC samples and 2 split duplicates QA/QC samples were also collected. As per the District request, only 1" samples were analysed, with the intent of analysing the associated 3" and 6" samples only if the 1" samples reported levels of PCBs greater than 1ppm.

The bulk samples were placed in an appropriate glass jar with a Teflon cap. Samples were labeled and packaged in a cooler and kept cool with ice during shipment.

Samples including QA/QC duplicate samples were analyzed by EMSL Laboratory (EMSL), located in Cinnaminson, NJ 08077, a Cal ELAP (#1877) and RDL/NELAC nationally accredited (#03036). Contact Ian Murdock (206) 539-4966.

Split QA/QC samples were analyzed by Enviro-Chem, located at 1214 East Lexington Avenue, Pomona, California, a Cal ELAP accredited laboratory (#1555) and EMSL. Contact Curtis Desilets () 539-4966. Enviro-Chem is a laboratory accredited by the

All samples were analyzed in accordance with EPA Method 3540C/8082A for PCBs.

A total of 56 sample analyses representative of the 1" samples were analyzed by the laboratory. 5 duplicate samples and 2 split duplicates samples were also analyzed by the laboratories. All samples collected including the duplicates and split duplicates were reported as none detected for PCBs.

4 RESULTS

Table 2.0
Summary of Sample Results

Building	Type of Window or Door System (see Table 1)	Reported Construction Date	Total Quantity of Samples Analyzed (interior/exterior surfaces)	Total Impacted Components Observed	Results
E, F, G, H, J, D	A	1948	12	26	None Detected
L	A	1950	5	1	None Detected
E, F, G, H, J, D	B	1948	11	26	None Detected
L	B	1950	3	1	None Detected
E, F, G, H, J, D	C	1948	11	26	None Detected
L	C	1950	2	1	None Detected
A, B	D	1948	2	1	None Detected
K	D	1950	2	1	None Detected
A	E	1948	2	1	None Detected
K, P, M, N	F	1950	3	4	None Detected
K, P, M, N	G	1950	3	4	None Detected

All samples collected were reported by the laboratory as none detected for PCBs. Refer to Appendix A for laboratory reports and relevant sample analysis information.

Refer to Appendix B in this report for a summary of samples collected and relevant sample information.

5 QUALITY CONTROL/DATA VALIDATION

Duplicate samples were collected side by side from 5 different sampling locations. The duplicated samples were analyzed by EMSL and the results of the duplicate samples were consistent reported as non-detected.

Additionally, split samples were collected from two separate locations. The samples homogenized, and split in to tow identical samples. The split samples were then submitted and analyzed by both Enviro-Chem, and EMSL laboratories. Both laboratories reported consistent results as none-detected.

EMSL reported "the samples were received in good condition. The QC data associated with the samples results meets the recovery and precision requirement established by NELAP". Similarly, Enviro-Chem reported, "all samples were received intact, and accompanying chain of custody".

Both EMSL and Enviro-Chem reported results with heavy matrix interference (sample numbers, 0054, 0101, and 161201-8 (X-1-501). The matrix interference may be related to applied materials, such as primers, paints, coating etc. which may obscured the sample analysis.

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

6 CONCLUSIONS, RECOMMENDATIONS

The PCBs delineation sampling was completed around doors and window casings slated for removal and replacement in buildings A, B, D, E, F, G, H, J, K, L, M, N and P in areas identified in project drawings prepared by HMC Architects (Project #3448017-000), dated September 2, 2016.

The sampling was conducted in accordance with, approved proposal, site specific work plan prepared for this project (Alta Work Plan, dated November 4, 2016), which was reviewed and approved by the District "USEPA Region I Standard Operation Procedures for Sampling Porous Surfaces for Polychlorinated Biphenyl", approved for use by the District, May, 23, 2011 prepared by Ramboll Environ. A predetermined number of doors and windows, and sample locations were selected as part of the approved work plan. The doors and windows and sample locations were based on similarity of each component and building construction date. Ten percent (10%) of each similar component was randomly sampled in each building of similar construction.

Alta collected samples from the surrounding porous surfaces. Samples were extracted starting at 1 inch (1"), 3 inch (3") and 6 inch (6") intervals away from the impacted door and window casing from a surface depth of 0-.5". Alta collected 150 total samples extracted starting at 1", 3" and 6" intervals away from the impacted component from a surface depth 0-.5" inches. 5 duplicates QA/QC samples and 2 split duplicates QA/QC samples were also collected. As per the District request, only 1" samples were analyzed, with the intent of analysing the associated 3" and 6" samples only if the 1" samples reported levels of PCBs greater than 1ppm.

A total of 52 sample analyses representative of the 1" samples were analyzed by the laboratory. 5 duplicate samples and 2 split duplicates samples were also analysed by the laboratory. All samples collected including the duplicates and split duplicates were reported as none detected for PCBs.

EMSL reported two samples, laboratory sample numbers, 0054 (3.5 RL) and 0101 (2.5 RL) with heavy matrix interference. Sample 0054 (X-1-C205) collected on the exterior concrete of room 205 was reported with a 3.5 mg/kg reporting limit (RL) and 0101 (I-I-C506C) collected on the interior concrete surface in room 506C was reported as 2.5 mg/kg RL.

Consistent with EMSL, Enviro-Chem also reported one sample with heavy matrix interference in laboratory sample number 161201-8 (X-1-501) which was collected on the exterior concrete surface of room 501 was reported utilizing a 100X dilution factor.

The matrix interference is likely related to paint or other surface coatings/materials, such as primers, paints which obscured the sample analysis. Both laboratories reported results as non-detected for PCBs however at a higher reporting limit than the action level of 1 ppm. Additional sampling may be necessary to substantiate these results.

The District has assumed that the door and window caulking contains PCBs. Caulking is assumed to be concealed by several layers of paint and stucco. Based on this assumption, the door and window casings and the area surrounding the doors and windows casings 0 to 1" of impacted porous should be assumed to contain PCBs.

Removal of the doors and window casings and 0 to 1" of associated porous surface surrounding the doors and window casings 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 761 and California hazardous waste regulation set forth in Title 22, Division 4.5 of the California Code of Regulations.

The intent of the sampling was to determine if PCBs assumed to be present in the associated door and window caulking may have migrated into adjacent porous surfaces. It is understood that the data contained in this report is to be used for planning and budgeting purposes related to a scheduled door and window replacement project. Additional sampling may be required to further characterize the site, waste disposal characterization, and area clearance following the removal of the impacted doors.

7 ASSUMPTIONS AND LIMITATIONS

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 performance of services.

In performing our professional services, we have applied present 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.

8 SIGNATORY

Respectfully submitted by:

Alta Environmental

Cesar Ruvalcaba
Project Manager

Reviewed by:

Alta Environmental

David R. Schack
Vice President, Building Sciences

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Appendix A
Sample Inventories

Summary of PCBs Step-Out Sampling

CLIENT: Rogers Elementary School

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PROJECT NO: SMSD-16-6467

PROJECT: Windows and Doors Removal Project at Rogers ES

Building Name	Type of Window or Door	Sample Number	Sample Description	Sample Location	Photograph Number	Total PCBs (mg/kg)
D	A	I-1-C2A	Concrete	Interior Kindergarten Classroom- East Center	5	None Detected
H	A	I-1-C201	Concrete	Interior Room 201- Southwest Corner	20	None Detected
E	A	I-1-W505	Wood	Interior Room 505- Northeast	11	None Detected
H	A	I-1-W201	Wood	Interior Room 201- Northwest Corner	21	None Detected
H	A	I-1-P201	Plaster	Interior Room 201- Southwest Corner	19	None Detected
D	A	I-1-P2A	Plaster	Interior Kindergarten Classroom- Southeast Corner	7	None Detected
D	A	X-1-C2A	Concrete	Exterior Kindergarten Classroom- Southeast Corner	9	None Detected
E	A	X-1-C505	Concrete	Exterior Room 505-Northeast	13	None Detected
H	A	X-1-C205	Concrete	Exterior Room 205- Northwest Corner	22	None Detected
D	A	X-1-S2A	Stucco	Exterior Kindergarten Classroom- Southeast Corner	9	None Detected
H	A	X-1-S205	Stucco	Exterior Room 205- Northwest Corner	22	None Detected
E	A	X-1-S505	Stucco	Exterior Room 505- Northeast	12	None Detected
L	A	I-1-C506A	Concrete	Interior Room 506- Southwest	30	None Detected
L	A	I-1-W506A	Wood	Interior Room 506- West Center	29	None Detected

Summary of PCBs Step-Out Sampling

CLIENT: Rogers Elementary School
PROJECT NO: SMSD-16-6467
PROJECT: Windows and Doors Removal Project at Rogers ES

Page 2 of 5

Building Name	Type of Window or Door	Sample Number	Sample Description	Sample Location	Photograph Number	Total PCBs (mg/kg)
L	A	I-1-P506A	Plaster	Interior Room 506- Southwest	31	None Detected
L	A	X-1-C506A	Concrete	Exterior Room 506- Southwest	37	None Detected
L	A	X-1-S506A	Stucco	Exterior Room 506-Southwest	35	None Detected
D	B	I-1-C2B	Concrete	Interior Kindergarten Classroom- Southwest Corner	6	None Detected
J	B	I-1-C105	Concrete	Interior Room 105- Southwest	23	None Detected
D	B	I-1-P2B	Plaster	Interior Kindergarten Classroom- Southwest Corner	8	None Detected
F	B	I-1-W401	Wood	Interior Room 401- East Center	14	None Detected
J	B	I-1-W105	Wood	Interior Room 105- Southwest	11	None Detected
D	B	X-1-C2B	Concrete	Exterior Kindergarten Classroom- Southwest Corner	10	None Detected
F	B	X-1-C401	Concrete	Exterior Room 401- Southeast	15	None Detected
J	B	X-1-C105	Concrete	Exterior Room 105- Northeast	24	None Detected
D	B	X-1-S2B	Stucco	Exterior Kindergarten Classroom- Southwest Corner	10	None Detected
F	B	X-1-S401	Stucco	Exterior Room 401- Southeast	15	None Detected
J	B	X-1-S105	Stucco	Exterior Room 105- Northeast	26	None Detected

Summary of PCBs Step-Out Sampling

CLIENT: Rogers Elementary School
PROJECT NO: SMSD-16-6467
PROJECT: Windows and Doors Removal Project at Rogers ES

Page 3 of 5

Building Name	Type of Window or Door	Sample Number	Sample Description	Sample Location	Photograph Number	Total PCBs (mg/kg)
L	B	I-1-W506B	Wood	Interior Room 506- Southeast	32	None Detected
L	B	X-1-C506B	Concrete	Exterior Room 506- Southeast	36	None Detected
L	B	X-1-S506B	Stucco	Exterior Room 506- Southeast	34	None Detected
G	C	I-1-C303	Concrete	Interior Room 303- Southeast Corner	16	None Detected
G	C	I-1-W303	Wood	Interior Room 303- Southeast Corner	18	None Detected
D	C	I-1-2C	Concrete	Interior room 2, NW	No photos available	None Detected
E	C	I-1-501	Concrete	Interior 501, SE	44	None Detected
G	C	X-1-C303	Concrete	Exterior Room 303- East Center	17	None Detected
D	C	X-1-2C	Concrete	Exterior 2, NW	46	None Detected
E	C	X-1-501	Concrete	Exterior 501, SE	44	None Detected
L	C	I-1-C506C	Concrete	Interior Room 506- Southwest	33	None Detected
L	C	X-1-C506C	Concrete	Exterior Room 506-Southwest	38	None Detected
B	D	I-1-W706	Wood	Interior Women's Restroom- North Center	3	None Detected
B	D	X-1-706	Stucco	Exterior Women's Restroom- North Center	4	None Detected

Summary of PCBs Step-Out Sampling

CLIENT: Rogers Elementary School

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PROJECT NO: SMSD-16-6467

PROJECT: Windows and Doors Removal Project at Rogers ES

Building Name	Type of Window or Door	Sample Number	Sample Description	Sample Location	Photograph Number	Total PCBs (mg/kg)
K	D	I-1-106B	Plaster	Interior Room 106B- Southeast	27	None Detected
K	D	X-1-106	Stucco	Exterior Room 106B- South Center	28	None Detected
A	E	I-1-CAF	Wood	Interior Cafeteria/Auditorium-Northwest	1	None Detected
A	E	X-1-CAF	Stucco	Exterior Cafeteria/Auditorium- West Center	2	None Detected
N	F	I-1-N306	Plaster	Interior Room 306- Northeast corner	42	None Detected
N	F	X-1-W306	Wood	Exterior Room 306- Northeast	43	None Detected
N	F	X-1-S306	Stucco	Exterior Room 306- Northeast	43	None Detected
M	G	I-1-406	Plaster	Interior Room 406- South Center	39	None Detected
M	G	X-1-W406	Wood	Exterior Room 406- South Center	41	None Detected
M	G	X-1-S406	Stucco	Exterior Room 406- South Center	40	None Detected

Summary of PCBs Step-Out Sampling

CLIENT: Rogers Elementary School
PROJECT NO: SMSD-16-6467
PROJECT: Windows and Doors Removal Project at Rogers ES

Page 5 of 5

Building Name	Type of Window or Door	Sample Number	Sample Description	Sample Location	Photograph Number	Total PCBs (mg/kg)
Duplicate QA/QC Samples						
L	A	I-1-P506A-DUP	Plaster	Duplicate QA/QC sample of I-1-P506A	31	None Detected
L	A	X-1-S506A-DUP	Stucco	Duplicate QA/QC sample of X-1-S506A	35	None Detected
D	B	I-1-P2B-DUP	Plaster	Duplicate QA/QC sample of I-1-P2B	8	None Detected
F	B	X-1-S401-DUP	Stucco	Duplicate QA/QC sample of X-1-S401	15	None Detected
A	E	X-1-CAF-DUP	Stucco	Exterior Cafeteria/Auditorium West Center Duplicate	2	None Detected
Split Duplicate QA/QC Samples						
E	B	I-1-505SD	Concrete	Split duplicate sample of X-1-S505SD, analyzed by EMSL	No photos available	None Detected
E	B	X-1-S505SD	Concrete	Split Duplicate sample of I-1-505SD, analyzed by Enviro-Chem, Inc.	No photos available	None Detected
N	F	I-1-306SD	Plaster	Split sample of I-1-P306SD. Sample analysis by EMSL Labs.	No photos available	None Detected
N	F	I-1-P306SD	Plaster	Split duplicate of I-1-306SD. Sample analysis by Enviro-Chem Labs	No photos available	None Detected

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Appendix B

Laboratory Reports



EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

Phone: (856) 303-2500 Fax: (856) 858-4571 Email: EnvChemistry2@emsl.com

Attn: **CESAR RUVALCABA**
Alta Environmental
3777 Long Beach Blvd
Annex Building
Long Beach, CA 90807

Phone: (562) 495-5777
Fax:

11/21/2016

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 11/11/2016. The results are tabulated on the attached data pages for the following client designated project:

Windows and Doors Replacement at Rodgers ES

The reference number for these samples is EMSL Order #011607712. Please use this reference when calling about these samples. If you have any questions, please do not hesitate to contact me at (856) 303-2500.

Approved By:

Phillip Worby, Chemistry Laboratory Manager



The test results contained within this report meet the requirements of NELAP and/or the specific certification program that is applicable, unless otherwise noted.

NELAP Certifications: NJ 03036, NY 10872, PA 68-00367

The samples associated with this report were received in good condition unless otherwise noted. This report relates only to those items tested as received by the laboratory. The QC data associated with the sample results meet the recovery and precision requirements established by the NELAP, unless specifically indicated. All results for soil samples are reported on a dry weight basis, unless otherwise noted. This report may not be reproduced except in full and without written approval by EMSL Analytical, Inc.



EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (856) 303-2500 / (856) 858-4571

<http://www.EMSL.com>

EnvChemistry2@emsl.com

EMSL Order:	011607712
CustomerID:	ALTA34
CustomerPO:	SMSD-16-6467
ProjectID:	

Attn: CESAR RUVALCABA
Alta Environmental
3777 Long Beach Blvd
Annex Building
Long Beach, CA 90807

Project: Windows and Doors Replacement at Rodgers ES

Phone: (562) 495-5777

Fax:

Received: 11/11/16 8:05 AM

Analytical Results

Client Sample Description 1-1-CAF **Collected:** 11/8/2016 **Lab ID:** 0001

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.98	mg/Kg	11/18/2016	TC	11/21/2016	EH
3540C/8082A	Aroclor-1221	ND	0.98	mg/Kg	11/18/2016	TC	11/21/2016	EH
3540C/8082A	Aroclor-1232	ND	0.98	mg/Kg	11/18/2016	TC	11/21/2016	EH
3540C/8082A	Aroclor-1242	ND	0.98	mg/Kg	11/18/2016	TC	11/21/2016	EH
3540C/8082A	Aroclor-1248	ND	0.98	mg/Kg	11/18/2016	TC	11/21/2016	EH
3540C/8082A	Aroclor-1254	ND	0.98	mg/Kg	11/18/2016	TC	11/21/2016	EH
3540C/8082A	Aroclor-1260	ND	0.98	mg/Kg	11/18/2016	TC	11/21/2016	EH
3540C/8082A	Aroclor-1262	ND	0.98	mg/Kg	11/18/2016	TC	11/21/2016	EH
3540C/8082A	Aroclor-1268	ND	0.98	mg/Kg	11/18/2016	TC	11/21/2016	EH

Client Sample Description 1-1-N306 **Collected:** 11/8/2016 **Lab ID:** 0002

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.97	mg/Kg	11/18/2016	TC	11/21/2016	EH
3540C/8082A	Aroclor-1221	ND	0.97	mg/Kg	11/18/2016	TC	11/21/2016	EH
3540C/8082A	Aroclor-1232	ND	0.97	mg/Kg	11/18/2016	TC	11/21/2016	EH
3540C/8082A	Aroclor-1242	ND	0.97	mg/Kg	11/18/2016	TC	11/21/2016	EH
3540C/8082A	Aroclor-1248	ND	0.97	mg/Kg	11/18/2016	TC	11/21/2016	EH
3540C/8082A	Aroclor-1254	ND	0.97	mg/Kg	11/18/2016	TC	11/21/2016	EH
3540C/8082A	Aroclor-1260	ND	0.97	mg/Kg	11/18/2016	TC	11/21/2016	EH
3540C/8082A	Aroclor-1262	ND	0.97	mg/Kg	11/18/2016	TC	11/21/2016	EH
3540C/8082A	Aroclor-1268	ND	0.97	mg/Kg	11/18/2016	TC	11/21/2016	EH

Client Sample Description 1-1-P201 **Collected:** 11/8/2016 **Lab ID:** 0003

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.98	mg/Kg	11/18/2016	TC	11/21/2016	EH
3540C/8082A	Aroclor-1221	ND	0.98	mg/Kg	11/18/2016	TC	11/21/2016	EH
3540C/8082A	Aroclor-1232	ND	0.98	mg/Kg	11/18/2016	TC	11/21/2016	EH
3540C/8082A	Aroclor-1242	ND	0.98	mg/Kg	11/18/2016	TC	11/21/2016	EH
3540C/8082A	Aroclor-1248	ND	0.98	mg/Kg	11/18/2016	TC	11/21/2016	EH
3540C/8082A	Aroclor-1254	ND	0.98	mg/Kg	11/18/2016	TC	11/21/2016	EH
3540C/8082A	Aroclor-1260	ND	0.98	mg/Kg	11/18/2016	TC	11/21/2016	EH
3540C/8082A	Aroclor-1262	ND	0.98	mg/Kg	11/18/2016	TC	11/21/2016	EH
3540C/8082A	Aroclor-1268	ND	0.98	mg/Kg	11/18/2016	TC	11/21/2016	EH



EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (856) 303-2500 / (856) 858-4571

<http://www.EMSL.com>

EnvChemistry2@emsl.com

EMSL Order:	011607712
CustomerID:	ALTA34
CustomerPO:	SMSD-16-6467
ProjectID:	

Attn: CESAR RUVALCABA
Alta Environmental
3777 Long Beach Blvd
Annex Building
Long Beach, CA 90807

Project: Windows and Doors Replacement at Rodgers ES

Phone: (562) 495-5777

Fax:

Received: 11/11/16 8:05 AM

Analytical Results

Client Sample Description 1-1-C201

Collected: 11/8/2016

Lab ID: 0004

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.98	mg/Kg	11/18/2016	TC	11/21/2016	EH
3540C/8082A	Aroclor-1221	ND	0.98	mg/Kg	11/18/2016	TC	11/21/2016	EH
3540C/8082A	Aroclor-1232	ND	0.98	mg/Kg	11/18/2016	TC	11/21/2016	EH
3540C/8082A	Aroclor-1242	ND	0.98	mg/Kg	11/18/2016	TC	11/21/2016	EH
3540C/8082A	Aroclor-1248	ND	0.98	mg/Kg	11/18/2016	TC	11/21/2016	EH
3540C/8082A	Aroclor-1254	ND	0.98	mg/Kg	11/18/2016	TC	11/21/2016	EH
3540C/8082A	Aroclor-1260	ND	0.98	mg/Kg	11/18/2016	TC	11/21/2016	EH
3540C/8082A	Aroclor-1262	ND	0.98	mg/Kg	11/18/2016	TC	11/21/2016	EH
3540C/8082A	Aroclor-1268	ND	0.98	mg/Kg	11/18/2016	TC	11/21/2016	EH

Client Sample Description 1-1-W201

Collected: 11/8/2016

Lab ID: 0005

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.93	mg/Kg	11/18/2016	TC	11/21/2016	EH
3540C/8082A	Aroclor-1221	ND	0.93	mg/Kg	11/18/2016	TC	11/21/2016	EH
3540C/8082A	Aroclor-1232	ND	0.93	mg/Kg	11/18/2016	TC	11/21/2016	EH
3540C/8082A	Aroclor-1242	ND	0.93	mg/Kg	11/18/2016	TC	11/21/2016	EH
3540C/8082A	Aroclor-1248	ND	0.93	mg/Kg	11/18/2016	TC	11/21/2016	EH
3540C/8082A	Aroclor-1254	ND	0.93	mg/Kg	11/18/2016	TC	11/21/2016	EH
3540C/8082A	Aroclor-1260	ND	0.93	mg/Kg	11/18/2016	TC	11/21/2016	EH
3540C/8082A	Aroclor-1262	ND	0.93	mg/Kg	11/18/2016	TC	11/21/2016	EH
3540C/8082A	Aroclor-1268	ND	0.93	mg/Kg	11/18/2016	TC	11/21/2016	EH

Client Sample Description 1-1-C303

Collected: 11/8/2016

Lab ID: 0006

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.99	mg/Kg	11/18/2016	TC	11/21/2016	EH
3540C/8082A	Aroclor-1221	ND	0.99	mg/Kg	11/18/2016	TC	11/21/2016	EH
3540C/8082A	Aroclor-1232	ND	0.99	mg/Kg	11/18/2016	TC	11/21/2016	EH
3540C/8082A	Aroclor-1242	ND	0.99	mg/Kg	11/18/2016	TC	11/21/2016	EH
3540C/8082A	Aroclor-1248	ND	0.99	mg/Kg	11/18/2016	TC	11/21/2016	EH
3540C/8082A	Aroclor-1254	ND	0.99	mg/Kg	11/18/2016	TC	11/21/2016	EH
3540C/8082A	Aroclor-1260	ND	0.99	mg/Kg	11/18/2016	TC	11/21/2016	EH
3540C/8082A	Aroclor-1262	ND	0.99	mg/Kg	11/18/2016	TC	11/21/2016	EH
3540C/8082A	Aroclor-1268	ND	0.99	mg/Kg	11/18/2016	TC	11/21/2016	EH



EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (856) 303-2500 / (856) 858-4571

<http://www.EMSL.com>

EnvChemistry2@emsl.com

EMSL Order:	011607712
CustomerID:	ALTA34
CustomerPO:	SMSD-16-6467
ProjectID:	

Attn: CESAR RUVALCABA
Alta Environmental
3777 Long Beach Blvd
Annex Building
Long Beach, CA 90807

Project: Windows and Doors Replacement at Rodgers ES

Phone: (562) 495-5777

Fax:

Received: 11/11/16 8:05 AM

Analytical Results

Client Sample Description 1-1-106B

Collected: 11/8/2016

Lab ID: 0007

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.97	mg/Kg	11/18/2016	TC	11/21/2016	EH
3540C/8082A	Aroclor-1221	ND	0.97	mg/Kg	11/18/2016	TC	11/21/2016	EH
3540C/8082A	Aroclor-1232	ND	0.97	mg/Kg	11/18/2016	TC	11/21/2016	EH
3540C/8082A	Aroclor-1242	ND	0.97	mg/Kg	11/18/2016	TC	11/21/2016	EH
3540C/8082A	Aroclor-1248	ND	0.97	mg/Kg	11/18/2016	TC	11/21/2016	EH
3540C/8082A	Aroclor-1254	ND	0.97	mg/Kg	11/18/2016	TC	11/21/2016	EH
3540C/8082A	Aroclor-1260	ND	0.97	mg/Kg	11/18/2016	TC	11/21/2016	EH
3540C/8082A	Aroclor-1262	ND	0.97	mg/Kg	11/18/2016	TC	11/21/2016	EH
3540C/8082A	Aroclor-1268	ND	0.97	mg/Kg	11/18/2016	TC	11/21/2016	EH

Client Sample Description 1-1-W303

Collected: 11/8/2016

Lab ID: 0008

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.86	mg/Kg	11/18/2016	TC	11/21/2016	EH
3540C/8082A	Aroclor-1221	ND	0.86	mg/Kg	11/18/2016	TC	11/21/2016	EH
3540C/8082A	Aroclor-1232	ND	0.86	mg/Kg	11/18/2016	TC	11/21/2016	EH
3540C/8082A	Aroclor-1242	ND	0.86	mg/Kg	11/18/2016	TC	11/21/2016	EH
3540C/8082A	Aroclor-1248	ND	0.86	mg/Kg	11/18/2016	TC	11/21/2016	EH
3540C/8082A	Aroclor-1254	ND	0.86	mg/Kg	11/18/2016	TC	11/21/2016	EH
3540C/8082A	Aroclor-1260	ND	0.86	mg/Kg	11/18/2016	TC	11/21/2016	EH
3540C/8082A	Aroclor-1262	ND	0.86	mg/Kg	11/18/2016	TC	11/21/2016	EH
3540C/8082A	Aroclor-1268	ND	0.86	mg/Kg	11/18/2016	TC	11/21/2016	EH

Client Sample Description 1-1-406

Collected: 11/8/2016

Lab ID: 0009

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.95	mg/Kg	11/18/2016	TC	11/21/2016	EH
3540C/8082A	Aroclor-1221	ND	0.95	mg/Kg	11/18/2016	TC	11/21/2016	EH
3540C/8082A	Aroclor-1232	ND	0.95	mg/Kg	11/18/2016	TC	11/21/2016	EH
3540C/8082A	Aroclor-1242	ND	0.95	mg/Kg	11/18/2016	TC	11/21/2016	EH
3540C/8082A	Aroclor-1248	ND	0.95	mg/Kg	11/18/2016	TC	11/21/2016	EH
3540C/8082A	Aroclor-1254	ND	0.95	mg/Kg	11/18/2016	TC	11/21/2016	EH
3540C/8082A	Aroclor-1260	ND	0.95	mg/Kg	11/18/2016	TC	11/21/2016	EH
3540C/8082A	Aroclor-1262	ND	0.95	mg/Kg	11/18/2016	TC	11/21/2016	EH
3540C/8082A	Aroclor-1268	ND	0.95	mg/Kg	11/18/2016	TC	11/21/2016	EH



EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (856) 303-2500 / (856) 858-4571

<http://www.EMSL.com>

EnvChemistry2@emsl.com

EMSL Order:	011607712
CustomerID:	ALTA34
CustomerPO:	SMSD-16-6467
ProjectID:	

Definitions:

ND - indicates that the analyte was not detected at the reporting limit

RL - Reporting Limit (Analytical)

**Environmental Chemistry
Chain of Custody**

EMSL Order Number (Lab Use Only):

011607712

EMSL
LABORATORY PRODUCTS TRADITION

EMSL ANALYTICAL, INC.
200 ROUTE 130 NORTH
CINNAMON, NJ 08077
PHONE: (800) 220-3675
FAX: (856) 786-5974

Report To Contact Name: Cesar Ruvalcaba				Bill To Company: SAME			
Company Name: Alta Environmental				Attention To:			
Street: 3777 Long Beach Blvd. Annex Bldg.				Street:			
City: LB	State/Province: CA	Zip/Postal Code: 90807	City:	State/Province: Zip/Postal Code:			
Phone : 562-495-5777				Phone:	Fax:		
Project Name: Windows and Doors Replacement at Rogers ES				Email Results To: cesar.ruvalcaba@altaenviron.com	U.S. State where Samples Collected: CA		
Number of Samples in Shipment: 27 Date of Shipment: 11/01/16				Purchase Order: SMSD-16-6467	Sampled By (Signature): <i>Theresa Rizzini</i>		
Standard Turnaround Time: <input type="checkbox"/> 2 Weeks				The following TAT's are subject to lab approval: <input checked="" type="checkbox"/> 1 Week <input type="checkbox"/> 4 Days <input type="checkbox"/> 3 Days <input type="checkbox"/> 2 Days <input type="checkbox"/> 1 Day			
Failure to complete will hinder processing of samples							
Client Sample ID	Comp	Grab	Date/Time	Matrix	Preservative	Test(s) Needed	Comments
I - 1-C4F	X	11/08/16	○	W=Water S=Soil A=Air SL=Sludge O= Other	1=HCL 2=HNO3 3=H2SO4 4=ICE 5=Other	EPA Method 8082 (PCBs)	
I - 3-C4F	X	11/08/16	○				<i>Archive</i>
I - 6-C4F	X	11/08/16	○				<i>Archive</i>
I - 1 - N306	X	11/08/16	○				
I - 3 - N306	X	11/08/16	○				
I - 6 - N306	X	11/08/16	○				
				Date & Time	Received By	Date & Time	
				11-9-16 2230	<i>Theresa Rizzini</i>	11-9-16 2230	
				11/11/16 1100	<i>John May</i>	11/11/16 8:05am	

Please indicate reporting requirements: Results Only Results and QC Reduced Deliverables Disk Deliverable Other _____

Instructions or Comments: Samples noted "Archive", archive till further notice. Sample extraction by USEPA Method 3540c (soxhlet extraction)



EMSL ANALYTICAL, INC.
LABORATORY PRODUCTS & TRADE SHOWS

Environmental Chemistry Chain of Custody

EMSL Order Number (Lab Use Only):

011607712

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

EMSL ANALYTICAL, INC.
200 ROUTE 130 NORTH
CINNAMONSON, NJ 08077
PHONE: (800) 220-3675
FAX: (856) 786-5974

Client Sample ID	Comp	Grab	Date/Time	Matrix	Preservative	List Test(s) Needed			Comments
						W=Water	S=Soil	A=Air	
3 I-1-P201	X		"9/16 1600	O	1=HCL 2=HNO3 3=H2SO4 4=ICE 5=Other	X			Archive
I-3-P201									Archive
I-6-P201									Archive
4 I-1-C201			"9/16 1600						Archive
I-3-C201									Archive
I-6-C201									Archive
5 I-1-W201			"9/16 1620						Archive
I-3-W201									Archive
I-6-W201									Archive
6 I-1-C303			"9/16 1725						Archive
I-3-C303									Archive
I-6-C303									Archive
7 I-1-106B			"9/16 1835						Archive
I-1-106B-DUP									Archive
I-3-106B									Archive
8 I-1-W303	X		"9/16 1745						Archive
I-3-W303	X								Archive

"9/16 2230
Mass Rizani Glass Bag

DE/LL 11-9-16 2230



**Environmental Chemistry
Chain of Custody**

EMSL Order Number (Lab Use Only):

ENSL ANALYTICAL, INC.
LABORATORY PRODUCTS TRADING

**Environmental Chemistry
Chain of Custody**

EMSL Order Number (Lab Use Only):

ENSL ANALYTICAL, INC.
LABORATORY PRODUCTS TRADING

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

PHONE: (800) 220-3675
FAX: (856) 786-5974

PHONE: (800) 220-3675
FAX: (856) 786-5974

Failure to complete will hinder processing of samples.

Page 3 of 3

EMSL Analytical Inc.

SOIL / SOLID SURROGATE RECOVERY

Lab Name:	EMSL Analytical

* : Values outside of QC limits

D: Surrogate diluted out

Compound Name:	TCX	TCX2	DCB	DCB2	Total Out	
CAS #:	877-09-8	877-09-8	2051-24-3	2051-24-3		
QC Limits:	(30-137)	(30-137)	(30-138)	(30-138)		
011607712-2 4X	11/21/16 13:04	80 D	90 D	89 D	92 D	0
011607759-1 2X	11/21/16 13:31	52 D	53 D	54 D	53 D	0
011607712-2 4X	11/21/16 13:32	79 D	88 D	84 D	86 D	0
011607712-4 4X	11/21/16 10:19	73 D	84 D	84 D	89 D	0
011607718-2 4X	11/21/16 10:25	79 D	83 D	81 D	84 D	0
011607763-1 2X	11/21/16 10:26	77 D	78 D	62 D	60 D	0
011607712-5 4X	11/21/16 10:47	76 D	88 D	85 D	89 D	0
011607718-3 4X	11/21/16 10:55	92 D	95 D	95 D	92 D	0
011607763-2 2X	11/21/16 10:56	81 D	82 D	47 D	45 D	0
011607712-6 4X	11/21/16 11:14	77 D	88 D	87 D	91 D	0
011607758-1 4X	11/21/16 11:25	87 D	90 D	91 D	94 D	0
011607763-3 2X	11/21/16 11:26	175 D	170 D	89 D	84 D	0
011607712-7 4X	11/21/16 11:42	77 D	90 D	86 D	91 D	0
011607758-2 4X	11/21/16 11:55	61 D	65 D	42 D	52 D	0
011607608-1 4X	11/21/16 11:57	77 D	79 D	69 D	63 D	0
011607712-8 3X	11/21/16 12:09	75 D	87 D	84 D	90 D	0
MB 1 OP 3530-25	11/21/16 14:00	59	67	68	74	0
011607759-2 2X	11/21/16 14:01	55 D	56 D	60 D	58 D	0
LCS 1 OP 3530-25	11/21/16 14:27	69	79	81	89	0
011607712-9 4X	11/21/16 14:31	36 D	36 D	58 D	58 D	0
011607712-1 4X	11/21/16 08:56	74 D	84 D	84 D	87 D	0
MB 1 OP 3530-25	11/21/16 09:02	82	81	87	80	0
011607712-2 4X	11/21/16 09:24	79 D	92 D	87 D	90 D	0
LCS 1 OP 3530-25	11/21/16 09:32	93	93	92	86	0
011607718-1 4X	11/21/16 09:50	81 D	87 D	80 D	84 D	0
011607712-3 4X	11/21/16 09:51	80 D	92 D	87 D	91 D	0

TCX=Tetrachloro-m-xylene

DCB=Decachlorobiphenyl

EMSL Analytical Inc.

PCB ORGANICS ANALYSIS DATA SHEET

			Customer Sample#:	MB 1 OP 3530-25 SG					
Lab Name:	EMSL Analytical								
EMSL Sample ID:		Project:							
Lab File ID:	X52912.D	Sample Matrix:	SOIL / SOLID						
Instrument ID:	ECD-X	Sampling Date:	12:00:00 AM						
Analyst:	EH	Date Extracted:	11/18/2016						
GC Column:	CLPest I (0.25 mm)	Analysis Date	11/21/2016 2:00:01 PM						
GC Column 2:	CLPest II (0.25 mm)	Sample wt/vol:	10 G						
% Moisture:	0	Dilution Factor:	1						
PH:	0	Concentrated Extract Vol:	10 (mL)						
GPC Cleanup(Y/N):	N	Injection Volume:	1 (ul)						
Extraction Type:	3540C	Sulfur Cleanup:	N						
Method:	SW846 8081b/8082a								
CAS NO	COMPOUND			Report Limit (mg/Kg)	CONC. (mg/Kg)	Q			
12674-11-2	Aroclor 1016			0.050		U			
11104-28-2	Aroclor 1221			0.050		U			
11141-16-5	Aroclor 1232			0.050		U			
53469-21-9	Aroclor 1242			0.050		U			
12672-29-6	Aroclor 1248			0.050		U			
11097-69-1	Aroclor 1254			0.050		U			
11096-82-5	Aroclor 1260			0.050		U			
37324-23-5	Aroclor 1262			0.050		U			
11100-14-4	Aroclor 1268			0.050		U			
Qualifier Definitions									
U = Undetected									
B = Compound detected in method blank									
E = Estimated value									
J = Estimated Concentration. Detected below Practical Quantitation Level									
D = Dilution40%									

EMSL Analytical Inc.

SOIL / SOLID LCS/QCS/ LFB RECOVERY

	Lab Name:	EMSL Analytical	Original	LCS 1 OP			
			File ID:	X52912.D/X52913.D			
	* : Values outside of						
	COMPOUND	CAS NO	LOW LIMIT	HIGH LIMIT	SPIKE ADDED mg/ Kg	LCS CONC. mg/ Kg	LCS REC%
1	Aroclor 1016	12674-11-2	58	123	1.500	1.372	91
2	Aroclor 1260	11096-82-5	63	131	1.500	1.399	93
			Total Out				0 of 2

EMSL Analytical Inc.

SOIL / SOLID MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

	Lab Name:	EMSL Analytical	Original			011607712-2 4X MS CU							
			File ID:			X52902.D/X52910.D/X52911.D							
	* : Values outside of												
	COMPOUND	CAS NO	LOW LIMIT	HIGH LIMIT	RPD LIMIT	SAMPLE CONC.	MS SPIKE ADDED mg/ Kg	MS CONC. mg/ Kg	MS REC%	MSD SPIKE ADDED mg/ Kg	MSD CONC. mg/ Kg	MSD REC%	RPD %
1	Aroclor 1016	12674-11-2	12	164	25	0.000	7.212	7.432	103	7.246	7.287	101	2
2	Aroclor 1260	11096-82-5	43	167	25	0.000	7.212	6.970	97	7.246	6.695	92	5
			Total Out						0 of 2			0 of 2	0 of 2

Printed: 11/21/16 04:14:33 PM

SampleList: QC Batch OP 3530-25

ERM: K:\EMSL_ENV\ERMs\8081-8082\8082soil.erm

FORM III PCB_2

1 of



EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

Phone: (856) 303-2500 Fax: (856) 858-4571 Email: EnvChemistry2@emsl.com

Attn: **CESAR RUVALCABA**
Alta Environmental
3777 Long Beach Blvd
Annex Building
Long Beach, CA 90807

Phone: (562) 495-5777
Fax:

11/30/2016

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 11/16/2016. The results are tabulated on the attached data pages for the following client designated project:

Window and Doors Replacement Project at Rodgers ES

The reference number for these samples is EMSL Order #011607851. Please use this reference when calling about these samples. If you have any questions, please do not hesitate to contact me at (856) 303-2500.

Approved By:

Phillip Worby, Chemistry Laboratory Manager



The test results contained within this report meet the requirements of NELAP and/or the specific certification program that is applicable, unless otherwise noted.

NELAP Certifications: NJ 03036, NY 10872, PA 68-00367, CA ELAP 187

The reporting limits for samples -0054 and -0101 are elevated due to matrix interference.

Report amended 11/30/2016 13:58:21 Replaces initial report from 11/29/2016 20:04:51 Sample ID corrected for sample -0046 as per the COC.

The samples associated with this report were received in good condition unless otherwise noted. This report relates only to those items tested as received by the laboratory. The QC data associated with the sample results meet the recovery and precision requirements established by the NELAP, unless specifically indicated. All results for soil samples are reported on a dry weight basis, unless otherwise noted. This report may not be reproduced except in full and without written approval by EMSL Analytical, Inc.



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EMSL Order:	011607851
CustomerID:	ALTA34
CustomerPO:	SMSD-16-6467
ProjectID:	

Attn: CESAR RUVALCABA
Alta Environmental
3777 Long Beach Blvd
Annex Building
Long Beach, CA 90807

Project: Window and Doors Replacement Project at Rodgers ES

Phone: (562) 495-5777

Fax:

Received: 11/16/16 9:10 AM

Analytical Results

Client Sample Description I-1-W401

Collected: 11/10/2016

Lab ID: 0001

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.97	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1221	ND	0.97	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1232	ND	0.97	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1242	ND	0.97	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1248	ND	0.97	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1254	ND	0.97	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1260	ND	0.97	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1262	ND	0.97	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1268	ND	0.97	mg/Kg	11/23/2016	AB	11/25/2016	EH

Client Sample Description I-1-C105

Collected: 11/10/2016

Lab ID: 0004

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.63	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1221	ND	0.63	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1232	ND	0.63	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1242	ND	0.63	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1248	ND	0.63	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1254	ND	0.63	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1260	ND	0.63	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1262	ND	0.63	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1268	ND	0.63	mg/Kg	11/23/2016	AB	11/25/2016	EH

Client Sample Description I-1-W105

Collected: 11/10/2016

Lab ID: 0007

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.98	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1221	ND	0.98	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1232	ND	0.98	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1242	ND	0.98	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1248	ND	0.98	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1254	ND	0.98	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1260	ND	0.98	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1262	ND	0.98	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1268	ND	0.98	mg/Kg	11/23/2016	AB	11/25/2016	EH



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Client Sample Description I-1-W505

Collected: 11/10/2016

Lab ID: 0010

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.98	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1221	ND	0.98	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1232	ND	0.98	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1242	ND	0.98	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1248	ND	0.98	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1254	ND	0.98	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1260	ND	0.98	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1262	ND	0.98	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1268	ND	0.98	mg/Kg	11/23/2016	AB	11/25/2016	EH

Client Sample Description I-1-W706

Collected: 11/10/2016

Lab ID: 0013

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.98	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1221	ND	0.98	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1232	ND	0.98	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1242	ND	0.98	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1248	ND	0.98	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1254	ND	0.98	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1260	ND	0.98	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1262	ND	0.98	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1268	ND	0.98	mg/Kg	11/23/2016	AB	11/25/2016	EH

Client Sample Description I-1-C2B

Collected: 11/10/2016

Lab ID: 0015

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.74	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1221	ND	0.74	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1232	ND	0.74	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1242	ND	0.74	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1248	ND	0.74	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1254	ND	0.74	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1260	ND	0.74	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1262	ND	0.74	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1268	ND	0.74	mg/Kg	11/23/2016	AB	11/25/2016	EH



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Client Sample Description I-1-P2B **Collected:** 11/10/2016 **Lab ID:** 0018

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.49	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1221	ND	0.49	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1232	ND	0.49	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1242	ND	0.49	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1248	ND	0.49	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1254	ND	0.49	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1260	ND	0.49	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1262	ND	0.49	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1268	ND	0.49	mg/Kg	11/23/2016	AB	11/25/2016	EH

Client Sample Description I-1-P2B-DUP **Collected:** 11/10/2016 **Lab ID:** 0021

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.50	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1221	ND	0.50	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1232	ND	0.50	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1242	ND	0.50	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1248	ND	0.50	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1254	ND	0.50	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1260	ND	0.50	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1262	ND	0.50	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1268	ND	0.50	mg/Kg	11/23/2016	AB	11/25/2016	EH

Client Sample Description I-1-C2A **Collected:** 11/10/2016 **Lab ID:** 0022

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.73	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1221	ND	0.73	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1232	ND	0.73	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1242	ND	0.73	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1248	ND	0.73	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1254	ND	0.73	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1260	ND	0.73	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1262	ND	0.73	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1268	ND	0.73	mg/Kg	11/23/2016	AB	11/25/2016	EH



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Client Sample Description I-1-P2A **Collected:** 11/10/2016 **Lab ID:** 0025

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.50	mg/Kg	11/23/2016	AB	11/25/2016	TL
3540C/8082A	Aroclor-1221	ND	0.50	mg/Kg	11/23/2016	AB	11/25/2016	TL
3540C/8082A	Aroclor-1232	ND	0.50	mg/Kg	11/23/2016	AB	11/25/2016	TL
3540C/8082A	Aroclor-1242	ND	0.50	mg/Kg	11/23/2016	AB	11/25/2016	TL
3540C/8082A	Aroclor-1248	ND	0.50	mg/Kg	11/23/2016	AB	11/25/2016	TL
3540C/8082A	Aroclor-1254	ND	0.50	mg/Kg	11/23/2016	AB	11/25/2016	TL
3540C/8082A	Aroclor-1260	ND	0.50	mg/Kg	11/23/2016	AB	11/25/2016	TL
3540C/8082A	Aroclor-1262	ND	0.50	mg/Kg	11/23/2016	AB	11/25/2016	TL
3540C/8082A	Aroclor-1268	ND	0.50	mg/Kg	11/23/2016	AB	11/25/2016	TL

Client Sample Description X-1-C2B **Collected:** 11/11/2016 **Lab ID:** 0028

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.63	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1221	ND	0.63	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1232	ND	0.63	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1242	ND	0.63	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1248	ND	0.63	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1254	ND	0.63	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1260	ND	0.63	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1262	ND	0.63	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1268	ND	0.63	mg/Kg	11/23/2016	AB	11/25/2016	EH

Client Sample Description X-1-S2B **Collected:** 11/11/2016 **Lab ID:** 0031

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.85	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1221	ND	0.85	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1232	ND	0.85	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1242	ND	0.85	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1248	ND	0.85	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1254	ND	0.85	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1260	ND	0.85	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1262	ND	0.85	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1268	ND	0.85	mg/Kg	11/23/2016	AB	11/25/2016	EH



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Client Sample Description X-1-S2A

Collected: 11/11/2016

Lab ID: 0036

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.82	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1221	ND	0.82	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1232	ND	0.82	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1242	ND	0.82	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1248	ND	0.82	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1254	ND	0.82	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1260	ND	0.82	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1262	ND	0.82	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1268	ND	0.82	mg/Kg	11/23/2016	AB	11/25/2016	EH

Client Sample Description X-1-706

Collected: 11/11/2016

Lab ID: 0039

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.68	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1221	ND	0.68	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1232	ND	0.68	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1242	ND	0.68	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1248	ND	0.68	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1254	ND	0.68	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1260	ND	0.68	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1262	ND	0.68	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1268	ND	0.68	mg/Kg	11/23/2016	AB	11/25/2016	EH

Client Sample Description X-1-CAF

Collected: 11/11/2016

Lab ID: 0042

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.99	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1221	ND	0.99	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1232	ND	0.99	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1242	ND	0.99	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1248	ND	0.99	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1254	ND	0.99	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1260	ND	0.99	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1262	ND	0.99	mg/Kg	11/23/2016	AB	11/25/2016	EH
3540C/8082A	Aroclor-1268	ND	0.99	mg/Kg	11/23/2016	AB	11/25/2016	EH



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Client Sample Description X-1-C105

Collected: 11/11/2016

Lab ID: 0045

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.99	mg/Kg	11/23/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1221	ND	0.99	mg/Kg	11/23/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1232	ND	0.99	mg/Kg	11/23/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1242	ND	0.99	mg/Kg	11/23/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1248	ND	0.99	mg/Kg	11/23/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1254	ND	0.99	mg/Kg	11/23/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1260	ND	0.99	mg/Kg	11/23/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1262	ND	0.99	mg/Kg	11/23/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1268	ND	0.99	mg/Kg	11/23/2016	AB	11/28/2016	EH

Client Sample Description X-1-C105-DUP

Collected: 11/11/2016

Lab ID: 0046

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.97	mg/Kg	11/23/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1221	ND	0.97	mg/Kg	11/23/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1232	ND	0.97	mg/Kg	11/23/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1242	ND	0.97	mg/Kg	11/23/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1248	ND	0.97	mg/Kg	11/23/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1254	ND	0.97	mg/Kg	11/23/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1260	ND	0.97	mg/Kg	11/23/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1262	ND	0.97	mg/Kg	11/23/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1268	ND	0.97	mg/Kg	11/23/2016	AB	11/29/2016	EH

Client Sample Description X-1-106

Collected: 11/11/2016

Lab ID: 0049

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.95	mg/Kg	11/23/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1221	ND	0.95	mg/Kg	11/23/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1232	ND	0.95	mg/Kg	11/23/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1242	ND	0.95	mg/Kg	11/23/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1248	ND	0.95	mg/Kg	11/23/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1254	ND	0.95	mg/Kg	11/23/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1260	ND	0.95	mg/Kg	11/23/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1262	ND	0.95	mg/Kg	11/23/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1268	ND	0.95	mg/Kg	11/23/2016	AB	11/28/2016	EH



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Fax:

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Analytical Results

Client Sample Description X-1-S105**Collected:** 11/11/2016**Lab ID:** 0052

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.83	mg/Kg	11/23/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1221	ND	0.83	mg/Kg	11/23/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1232	ND	0.83	mg/Kg	11/23/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1242	ND	0.83	mg/Kg	11/23/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1248	ND	0.83	mg/Kg	11/23/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1254	ND	0.83	mg/Kg	11/23/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1260	ND	0.83	mg/Kg	11/23/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1262	ND	0.83	mg/Kg	11/23/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1268	ND	0.83	mg/Kg	11/23/2016	AB	11/28/2016	EH

Client Sample Description X-1-C205**Collected:** 11/11/2016**Lab ID:** 0054

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.68	mg/Kg	11/23/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1221	ND	0.68	mg/Kg	11/23/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1232	ND	0.68	mg/Kg	11/23/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1242	ND	0.68	mg/Kg	11/23/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1248	ND	0.68	mg/Kg	11/23/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1254	ND	3.4	mg/Kg	11/23/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1260	ND	3.4	mg/Kg	11/23/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1262	ND	3.4	mg/Kg	11/23/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1268	ND	0.68	mg/Kg	11/23/2016	AB	11/29/2016	EH

Client Sample Description X-1-S205**Collected:** 11/11/2016**Lab ID:** 0057

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.82	mg/Kg	11/23/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1221	ND	0.82	mg/Kg	11/23/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1232	ND	0.82	mg/Kg	11/23/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1242	ND	0.82	mg/Kg	11/23/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1248	ND	0.82	mg/Kg	11/23/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1254	ND	0.82	mg/Kg	11/23/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1260	ND	0.82	mg/Kg	11/23/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1262	ND	0.82	mg/Kg	11/23/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1268	ND	0.82	mg/Kg	11/23/2016	AB	11/28/2016	EH



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Analytical Results

Client Sample Description X-1-W406

Collected: 11/11/2016

Lab ID: 0059

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.97	mg/Kg	11/23/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1221	ND	0.97	mg/Kg	11/23/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1232	ND	0.97	mg/Kg	11/23/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1242	ND	0.97	mg/Kg	11/23/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1248	ND	0.97	mg/Kg	11/23/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1254	ND	0.97	mg/Kg	11/23/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1260	ND	0.97	mg/Kg	11/23/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1262	ND	0.97	mg/Kg	11/23/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1268	ND	0.97	mg/Kg	11/23/2016	AB	11/28/2016	EH

Client Sample Description X-1-S406

Collected: 11/11/2016

Lab ID: 0061

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.49	mg/Kg	11/23/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1221	ND	0.49	mg/Kg	11/23/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1232	ND	0.49	mg/Kg	11/23/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1242	ND	0.49	mg/Kg	11/23/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1248	ND	0.49	mg/Kg	11/23/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1254	ND	0.49	mg/Kg	11/23/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1260	ND	0.49	mg/Kg	11/23/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1262	ND	0.49	mg/Kg	11/23/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1268	ND	0.49	mg/Kg	11/23/2016	AB	11/28/2016	EH

Client Sample Description X-1-W306

Collected: 11/11/2016

Lab ID: 0062

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.98	mg/Kg	11/23/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1221	ND	0.98	mg/Kg	11/23/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1232	ND	0.98	mg/Kg	11/23/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1242	ND	0.98	mg/Kg	11/23/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1248	ND	0.98	mg/Kg	11/23/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1254	ND	0.98	mg/Kg	11/23/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1260	ND	0.98	mg/Kg	11/23/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1262	ND	0.98	mg/Kg	11/23/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1268	ND	0.98	mg/Kg	11/23/2016	AB	11/28/2016	EH



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Client Sample Description X-1-S306

Collected: 11/11/2016

Lab ID: 0064

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.84	mg/Kg	11/23/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1221	ND	0.84	mg/Kg	11/23/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1232	ND	0.84	mg/Kg	11/23/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1242	ND	0.84	mg/Kg	11/23/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1248	ND	0.84	mg/Kg	11/23/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1254	ND	0.84	mg/Kg	11/23/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1260	ND	0.84	mg/Kg	11/23/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1262	ND	0.84	mg/Kg	11/23/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1268	ND	0.84	mg/Kg	11/23/2016	AB	11/29/2016	EH

Client Sample Description X-1-C303

Collected: 11/11/2016

Lab ID: 0065

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.81	mg/Kg	11/25/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1221	ND	0.81	mg/Kg	11/25/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1232	ND	0.81	mg/Kg	11/25/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1242	ND	0.81	mg/Kg	11/25/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1248	ND	0.81	mg/Kg	11/25/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1254	ND	0.81	mg/Kg	11/25/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1260	ND	0.81	mg/Kg	11/25/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1262	ND	0.81	mg/Kg	11/25/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1268	ND	0.81	mg/Kg	11/25/2016	AB	11/29/2016	EH

Client Sample Description X-1-S401

Collected: 11/11/2016

Lab ID: 0068

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.60	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1221	ND	0.60	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1232	ND	0.60	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1242	ND	0.60	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1248	ND	0.60	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1254	ND	0.60	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1260	ND	0.60	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1262	ND	0.60	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1268	ND	0.60	mg/Kg	11/25/2016	AB	11/28/2016	EH



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Client Sample Description X-1-S401-DUP

Collected: 11/11/2016

Lab ID: 0070

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.61	mg/Kg	11/25/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1221	ND	0.61	mg/Kg	11/25/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1232	ND	0.61	mg/Kg	11/25/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1242	ND	0.61	mg/Kg	11/25/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1248	ND	0.61	mg/Kg	11/25/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1254	ND	0.61	mg/Kg	11/25/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1260	ND	0.61	mg/Kg	11/25/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1262	ND	0.61	mg/Kg	11/25/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1268	ND	0.61	mg/Kg	11/25/2016	AB	11/29/2016	EH

Client Sample Description X-1-C401

Collected: 11/11/2016

Lab ID: 0071

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.89	mg/Kg	11/25/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1221	ND	0.89	mg/Kg	11/25/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1232	ND	0.89	mg/Kg	11/25/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1242	ND	0.89	mg/Kg	11/25/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1248	ND	0.89	mg/Kg	11/25/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1254	ND	0.89	mg/Kg	11/25/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1260	ND	0.89	mg/Kg	11/25/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1262	ND	0.89	mg/Kg	11/25/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1268	ND	0.89	mg/Kg	11/25/2016	AB	11/29/2016	EH

Client Sample Description X-1-C505

Collected: 11/11/2016

Lab ID: 0075

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.82	mg/Kg	11/25/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1221	ND	0.82	mg/Kg	11/25/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1232	ND	0.82	mg/Kg	11/25/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1242	ND	0.82	mg/Kg	11/25/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1248	ND	0.82	mg/Kg	11/25/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1254	ND	0.82	mg/Kg	11/25/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1260	ND	0.82	mg/Kg	11/25/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1262	ND	0.82	mg/Kg	11/25/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1268	ND	0.82	mg/Kg	11/25/2016	AB	11/29/2016	EH



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Analytical Results

Client Sample Description X-1-S505

Collected: 11/11/2016

Lab ID: 0078

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.60	mg/Kg	11/25/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1221	ND	0.60	mg/Kg	11/25/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1232	ND	0.60	mg/Kg	11/25/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1242	ND	0.60	mg/Kg	11/25/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1248	ND	0.60	mg/Kg	11/25/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1254	ND	0.60	mg/Kg	11/25/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1260	ND	0.60	mg/Kg	11/25/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1262	ND	0.60	mg/Kg	11/25/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1268	ND	0.60	mg/Kg	11/25/2016	AB	11/29/2016	EH

Client Sample Description X-1-C506B

Collected: 11/11/2016

Lab ID: 0080

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.49	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1221	ND	0.49	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1232	ND	0.49	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1242	ND	0.49	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1248	ND	0.49	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1254	ND	0.49	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1260	ND	0.49	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1262	ND	0.49	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1268	ND	0.49	mg/Kg	11/25/2016	AB	11/28/2016	EH

Client Sample Description X-1-S506B

Collected: 11/11/2016

Lab ID: 0083

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.49	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1221	ND	0.49	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1232	ND	0.49	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1242	ND	0.49	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1248	ND	0.49	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1254	ND	0.49	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1260	ND	0.49	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1262	ND	0.49	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1268	ND	0.49	mg/Kg	11/25/2016	AB	11/28/2016	EH



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EMSL Order:	011607851
CustomerID:	ALTA34
CustomerPO:	SMSD-16-6467
ProjectID:	

Attn: **CESAR RUVALCABA**
Alta Environmental
3777 Long Beach Blvd
Annex Building
Long Beach, CA 90807

Project: Window and Doors Replacement Project at Rodgers ES

Phone: (562) 495-5777

Fax:

Received: 11/16/16 9:10 AM

Analytical Results

Client Sample Description X-1-C506C**Collected:** 11/11/2016**Lab ID:** 0085

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.49	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1221	ND	0.49	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1232	ND	0.49	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1242	ND	0.49	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1248	ND	0.49	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1254	ND	0.49	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1260	ND	0.49	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1262	ND	0.49	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1268	ND	0.49	mg/Kg	11/25/2016	AB	11/28/2016	EH

Client Sample Description X-1-C506A**Collected:** 11/11/2016**Lab ID:** 0088

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.64	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1221	ND	0.64	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1232	ND	0.64	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1242	ND	0.64	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1248	ND	0.64	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1254	ND	0.64	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1260	ND	0.64	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1262	ND	0.64	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1268	ND	0.64	mg/Kg	11/25/2016	AB	11/28/2016	EH

Client Sample Description X-1-S506A**Collected:** 11/11/2016**Lab ID:** 0091

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.50	mg/Kg	11/25/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1221	ND	0.50	mg/Kg	11/25/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1232	ND	0.50	mg/Kg	11/25/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1242	ND	0.50	mg/Kg	11/25/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1248	ND	0.50	mg/Kg	11/25/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1254	ND	0.50	mg/Kg	11/25/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1260	ND	0.50	mg/Kg	11/25/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1262	ND	0.50	mg/Kg	11/25/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1268	ND	0.50	mg/Kg	11/25/2016	AB	11/29/2016	EH



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EMSL Order:	011607851
CustomerID:	ALTA34
CustomerPO:	SMSD-16-6467
ProjectID:	

Attn: CESAR RUVALCABA
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3777 Long Beach Blvd
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Long Beach, CA 90807

Project: Window and Doors Replacement Project at Rodgers ES

Phone: (562) 495-5777

Fax:

Received: 11/16/16 9:10 AM

Analytical Results

Client Sample Description I-1-W506B

Collected: 11/11/2016

Lab ID: 0093

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.98	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1221	ND	0.98	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1232	ND	0.98	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1242	ND	0.98	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1248	ND	0.98	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1254	ND	0.98	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1260	ND	0.98	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1262	ND	0.98	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1268	ND	0.98	mg/Kg	11/25/2016	AB	11/28/2016	EH

Client Sample Description I-1-W506A

Collected: 11/11/2016

Lab ID: 0095

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.95	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1221	ND	0.95	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1232	ND	0.95	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1242	ND	0.95	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1248	ND	0.95	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1254	ND	0.95	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1260	ND	0.95	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1262	ND	0.95	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1268	ND	0.95	mg/Kg	11/25/2016	AB	11/28/2016	EH

Client Sample Description I-1-S506A-DUP

Collected: 11/11/2016

Lab ID: 0097

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.50	mg/Kg	11/25/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1221	ND	0.50	mg/Kg	11/25/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1232	ND	0.50	mg/Kg	11/25/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1242	ND	0.50	mg/Kg	11/25/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1248	ND	0.50	mg/Kg	11/25/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1254	ND	0.50	mg/Kg	11/25/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1260	ND	0.50	mg/Kg	11/25/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1262	ND	0.50	mg/Kg	11/25/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1268	ND	0.50	mg/Kg	11/25/2016	AB	11/29/2016	EH



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EMSL Order:	011607851
CustomerID:	ALTA34
CustomerPO:	SMSD-16-6467
ProjectID:	

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Long Beach, CA 90807

Project: Window and Doors Replacement Project at Rodgers ES

Phone: (562) 495-5777

Fax:

Received: 11/16/16 9:10 AM

Analytical Results

Client Sample Description I-1-C506A

Collected: 11/11/2016

Lab ID: 0098

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.79	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1221	ND	0.79	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1232	ND	0.79	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1242	ND	0.79	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1248	ND	0.79	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1254	ND	0.79	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1260	ND	0.79	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1262	ND	0.79	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1268	ND	0.79	mg/Kg	11/25/2016	AB	11/28/2016	EH

Client Sample Description I-1-C506C

Collected: 11/11/2016

Lab ID: 0101

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.50	mg/Kg	11/25/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1221	ND	0.50	mg/Kg	11/25/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1232	ND	0.50	mg/Kg	11/25/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1242	ND	0.50	mg/Kg	11/25/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1248	ND	0.50	mg/Kg	11/25/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1254	ND	2.5	mg/Kg	11/25/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1260	ND	2.5	mg/Kg	11/25/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1262	ND	2.5	mg/Kg	11/25/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1268	ND	0.50	mg/Kg	11/25/2016	AB	11/29/2016	EH

Client Sample Description I-1-P506A

Collected: 11/11/2016

Lab ID: 0104

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.99	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1221	ND	0.99	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1232	ND	0.99	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1242	ND	0.99	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1248	ND	0.99	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1254	ND	0.99	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1260	ND	0.99	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1262	ND	0.99	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1268	ND	0.99	mg/Kg	11/25/2016	AB	11/28/2016	EH



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EMSL Order:	011607851
CustomerID:	ALTA34
CustomerPO:	SMSD-16-6467
ProjectID:	

Attn: **CESAR RUVALCABA**
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Long Beach, CA 90807

Project: Window and Doors Replacement Project at Rodgers ES

Phone: (562) 495-5777

Fax:

Received: 11/16/16 9:10 AM

Analytical Results

Client Sample Description I-1-P506A-DUP**Collected:** 11/11/2016**Lab ID:** 0107

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.76	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1221	ND	0.76	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1232	ND	0.76	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1242	ND	0.76	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1248	ND	0.76	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1254	ND	0.76	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1260	ND	0.76	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1262	ND	0.76	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1268	ND	0.76	mg/Kg	11/25/2016	AB	11/28/2016	EH

Client Sample Description I-1-505 SD**Collected:** 11/11/2016**Lab ID:** 0108

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.60	mg/Kg	11/25/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1221	ND	0.60	mg/Kg	11/25/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1232	ND	0.60	mg/Kg	11/25/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1242	ND	0.60	mg/Kg	11/25/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1248	ND	0.60	mg/Kg	11/25/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1254	ND	0.60	mg/Kg	11/25/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1260	ND	0.60	mg/Kg	11/25/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1262	ND	0.60	mg/Kg	11/25/2016	AB	11/29/2016	EH
3540C/8082A	Aroclor-1268	ND	0.60	mg/Kg	11/25/2016	AB	11/29/2016	EH

Client Sample Description I-1-306 SD**Collected:** 11/11/2016**Lab ID:** 0109

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
3540C/8082A	Aroclor-1016	ND	0.71	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1221	ND	0.71	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1232	ND	0.71	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1242	ND	0.71	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1248	ND	0.71	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1254	ND	0.71	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1260	ND	0.71	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1262	ND	0.71	mg/Kg	11/25/2016	AB	11/28/2016	EH
3540C/8082A	Aroclor-1268	ND	0.71	mg/Kg	11/25/2016	AB	11/28/2016	EH



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EMSL Order:	011607851
CustomerID:	ALTA34
CustomerPO:	SMSD-16-6467
ProjectID:	

Definitions:

ND - indicates that the analyte was not detected at the reporting limit

RL - Reporting Limit (Analytical)



**Environmental Chemistry
Chain of Custody**
EMSL Order Number (Lab Use Only):

EMSL ANALYTICAL, INC.
200 ROUTE 130 NORTH
CINNAMINSON, NJ 08077
PHONE: (800) 220-3675
FAX: (856) 786-5974

011607851

Report To Contact Name:				Cesar Ruvalcaba				Bill To Company:				Same			
Company Name:				Alta Environmental				Attention To:							
Street:				3777 Long Beach Boulevard, Annex Building				Street:							
City:	Long Beach	State/Province:		Zip/Postal Code:		City:		State/Province:		Zip/Postal Code:					
Phone :	562-495-5777	Fax :		Phone:		Fax:									
Project Name:				Window and doors replacement project at Rogers ES				Email Results To:				U.S. State where Samples Collected:			
Number of Samples in Shipment:				11/15/16				Purchase Order:				11/10/16			
Standard Turnaround Time:				<input type="checkbox"/> 2 Weeks				The following TAT's are subject to lab approval:				<input checked="" type="checkbox"/> 1 Week <input type="checkbox"/> 4 Days <input type="checkbox"/> 3 Days <input type="checkbox"/> 2 Days <input type="checkbox"/> 1 Day			
Failure to complete will hinder processing of samples				Matrix	Preservative	List Test(s) Needed									
Client Sample ID	Comp	Grab	Date/Time	W=Water S=Soil A=Air SL=Sludge O= Other	1=HCL 2=HNO3 3=H2SO4 4=ICE 5=Other	EPA method 8082 (PCBs)									Comments
I-1-W401	X		11/10/16 1530	O	4	x									Archive
I-3-W401						x									Archive
I-6-W401						x									Archive
I-1-C015			11/10/16 1622 HRS			x									Archive
I-3-C105						x									Archive
I-6-C105						x									Archive
Released By (Signature)				Date & Time				Received By				Date & Time			
Theresa Rizzari <i>Theresa Rizzari</i>				11/16 1500				Cesar Ruvalcaba <i>Cesar Ruvalcaba</i>				11/16/16 1500 hr			
Please indicate reporting requirements: <input type="checkbox"/> Results Only <input checked="" type="checkbox"/> Results and QC <input type="checkbox"/> Reduced Deliverables <input type="checkbox"/> Disk Deliverable <input type="checkbox"/> Other _____															
Instructions or Comments: Samples noted "Archive", archive until further notice.															

emailed about TAT sample 74(X-1-S401-Dup) was not rec'd asking if samples
Rinse blank and seal blank are
to be tested and 11/16/16
per Cesar - Do Not analyze Rinse/Seal Blanks
due to insufficient sample 11/29/16 4:57pm TA
UPS 1Z105W5915G12622934



EMSL ANALYTICAL, INC.
LABORATORY PRODUCTS TRAINING

Environmental Chemistry Chain of Custody

EMSL Order Number (Lab Use Only):

011607851

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Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

	Failure to complete will hinder processing of samples			Matrix	Preservative	List Test(s) Needed							Comments	
	Client Sample ID	Comp	Grab			W=Water S=Soil A=Air SL=Sludge O= Other	1=HCL 2=HNO3 3=H2SO4 4=ICE 5=Other	EPA Method 8082 (PCBs)						
7 ✓	I-1-W105	X		"10/16 1637	O		4	X						
8 ✓	I-3-W105	X												archive
9 ✓	I-6-W105	X												archive
10 ✓	I-1-W805	X		"10/16 1708										
11 ✓	I-3-W805	X												archive
12 ✓	I-6-W805	X												archive
13 ✓	I-1-W706			"10/16 1816										
14 ✓	I-3-W706													archive
15 ✓	I-1-C2B			"10/16 1900										
16 ✓	I-3-C2B													archive
17 ✓	I-6-C2B													archive
18 ✓	I-1-P2B			"10/16 1920										
19 ✓	I-3-P2B													archive
20 ✓	I-6-P2B													archive
21 ✓	I-1-P2B-DUP													
22 ✓	I-1-C2A			"10/16 1948										
23 ✓	I-3-C2A													archive



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Environmental Chemistry Chain of Custody

EMSL Order Number (Lab Use Only):

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Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

011607851



EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

**Environmental Chemistry
Chain of Custody**
EMSL Order Number (Lab Use Only):

EMSL ANALYTICAL, INC.
200 ROUTE 130 NORTH
CINNAMINSON, NJ 08077
PHONE: (800) 220-3675
FAX: (856) 786-5974

011607851

Report To Contact Name: Cesar Ruvalcaba				Bill To Company: Same				
Company Name: Alta Environmental				Attention To:				
Street: 3777 Long Beach Boulevard, Annex Building				Street:				
City: Long Beach	State/Province:	Zip/Postal Code:	City:	State/Province:	Zip/Postal Code:			
Phone : 562-495-5777 Fax :				Phone:	Fax:			
Project Name: Window and doors replacement project at Rogers ES				Email Results To: Cesar.ruvalcaba@altaenviron.com	U.S. State where Samples Collected: 11/11/16			
Number of Samples in Shipment: 111		Date of Shipment: 11/11/16		Purchase Order: SMSD-16-6467	Sampled By (Signature): Fabian Ruvalcaba /Therese Rizzari			
Standard Turnaround Time: <input type="checkbox"/> 2 Weeks		The following TAT's are subject to lab approval: <input checked="" type="checkbox"/> 1 Week <input type="checkbox"/> 4 Days <input type="checkbox"/> 3 Days <input type="checkbox"/> 2 Days <input type="checkbox"/> 1 Day						
Failure to complete will hinder processing of samples				Matrix	Preservative	List Test(s) Needed		Comments
Client Sample ID	Comp	Grab	Date/Time	W=Water S=Soil A=Air SL=Sludge O= Other	1=HCL 2=HNO3 3=H2SO4 4=ICE 5=Other	EPA method 8082 (PCBs)		
X-1-C2B	X		11/11/16 0700HRS	O	4	x		
X-3-C2B						x		Archive
X-6-C2B						x		Archive
X-1-S2B						x		
X-3-S2B						x		Archive
X-1-C2A	x	x	x	x	x	x		Archive
Released By (Signature)		Date & Time		Received By		Date & Time		
Therese Rizzari /Therese Rizzari		11/11/16 1500		Cesar Ruvalcaba /Cesar Ruvalcaba		11/11/16 1500 hrs		
Please indicate reporting requirements: <input type="checkbox"/> Results Only <input checked="" type="checkbox"/> Results and QC <input type="checkbox"/> Reduced Deliverables <input type="checkbox"/> Disk Deliverable <input type="checkbox"/> Other _____								
Instructions or Comments: Samples noted "Archive", archive until further notice.								

Page 4 of 10 pages

EMSL ANALYTICAL, INC.
LABORATORY PRODUCTS TRAINING

Environmental Chemistry
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Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Failure to complete will hinder processing of samples	Client Sample ID	Comp	Grab	Date/Time	Matrix	Preservative	List Test(s) Needed							Comments
							1=HCL	2=HNO3	3=H2SO4	4=ICE	5=Other	EPA Method 8082 (PCBs)		
34 ✓	X-3-C24	X		"1/16 0713	O	4	X							Archive
35 ✓	X-6-C24	L		1	O	4	X							Archive
36 ✓	X-1-S24	L		"1/16 0724	O	4	X							Archive
27 ✓	X-3-S24	L		1	O	4	X							Archive
38 ✓	X-6-S24	L		1	O	4	X							Archive
39 ✓	X-1-706	L		"1/16 0739	O	4	X							Archive
40 ✓	X-3-706	L		"1/16 0739	O	4	X							Archive
41 ✓	X-6-706	L		"1/16 0739	O	4	X							Archive
42 ✓	X-1-C4F	L		"1/16 0743	O	4	X							Archive
43 ✓	X-3-C4F	L		"1/16 0748	O	4	X							Archive
44 ✓	X-6-C4F	X		"1/16 0750	O	4	X							Archive
45 ✓	X-1-C103	L		"1/16 0810	O	4	X							Archive
46 ✓	X-1-C103-DUP	L		1	O	4	X							Archive
47 ✓	X-3-C103	L		"1/16 0814	O	4	X							Archive
48 ✓	X-6-C103	L		"1/16 0817	O	4	X							Archive



EMSL ANALYTICAL, INC.

**Environmental Chemistry
Chain of Custody**
~~EMSL Order Number (Lab Use Only):~~

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011607851

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Additional Pages of the Chain of Custody are only necessary if needed for additional sample information



EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

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Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Failure to complete will hinder processing of samples				Matrix	Preservative	List Test(s) Needed							Comments	
	Client Sample ID	Comp	Grab	Date/Time	W=Water S=Soil A=Air SL=Sludge O= Other	1=HCL 2=HNO3 3=H2SO4 4=ICE 5=Other	EPA Method 8082 (PCBs)							
55.	X-3-C203	x		7/11/16 0847	O	4	x							Archives
56.	X-6-C203			7/11/16 0850										Archives
57.	X-1-S203			7/11/16 0851										
58.	X-3-S203			7/11/16 0858										Archives
59.	X-1-W406			7/11/16 0908										Archives
60.	X-3-W406			7/11/16 0909										
61.	X-1-S406			7/11/16 0915										
62.	X-1-W306			7/11/16 0930										Archives
63.	X-3-W306			7/11/16 0931										
64.	X-1-S306			7/11/16 0932										
65.	X-1-C303			7/11/16 0930										Archives
66.	X-3-C303			7/11/16 0932										Archives
67.	X-6-C303			7/11/16 0933										
68.	X-1-S401			7/11/16 1023										
69.	X-3-S401			7/11/16 1023										Archives
70.	X-1-S401-DUP			7/11/16 1023										
71.	X-1-C401			7/11/16 1028	12	11	10							



EMSL ANALYTICAL, INC.
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Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Failure to complete will hinder processing of samples				Matrix	Preservative	List Test(s) Needed							Comments	
	Client Sample ID	Comp	Grab	Date/Time	W=Water S=Soil A=Air SL=Sludge O= Other	1=HCL 2=HNO3 3=H2SO4 4=ICE 5=Other	EPA	8082	PCB)					
7B	X-3-C401	X		11/11/16 1040	O	4	X							
73.	X-6-C401	X			O	4	X							Archive
74.	X-1-S401-Dup	X			O	4	X							Archive
75.	X-1-C505	X			O	4	X							
76.	X-3-C505	X			O	4	X							Archive
77.	X-6-C505	X			O	4	X							Archive
78.	X-1-S505	X			O	4	X							
79.	X-3-S505	X			O	4	X							Archive
80.	X-6-S505	NO Sample (ck)												
80.	X-1-CS06B	X		11/11/16 1050	O	4	X							
81.	X-3-CS06B	X			O	4	X							Archive
82.	X-6-CS06B	X			O	4	X							Archive
83.	X-1-SS06B	X			O	4	X							
84.	X-3-SS06B	X			O	4	X							Archive
85.	X-6-SS06B	NO Sample (ck)												
85.	X-1-CS06C	X		11/11/16 1050	O	4	X							
86.	X-3-CS06C	X			O	4	X							Archive
87.	X-6-CS06C	X			O	4	X							Archive



EMSL ANALYTICAL, INC.
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**Environmental Chemistry
Chain of Custody**
EMSL Order Number (Lab Use Only):

011607851

EMSL ANALYTICAL, INC.
200 ROUTE 130 NORTH
INNISMINSON, NJ 08077
PHONE: (800) 220-3675
FAX: (856) 786-5974

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Failure to complete will hinder processing of samples				Matrix	Preservative	List Test(s) Needed							Comments	
Client Sample ID	Comp	Grab	Date/Time	W=Water S=Soil A=Air SL=Sludge O= Other	1=HCL 2=HNO3 3=H2SO4 4=ICE 5=Other	EPA method 8082 (PCBs)								
X-1-C506A	X		11/11/16 1430 hrs	O	4	X								
X-3-C506A														Archive
X-6-C506A														Archive
X-1-S506A														Archive
X-3-S506A														Archive
I-1-W506B														
I-3-W506B														Archive
I-1-W506A														
I-3-W506A														Archive
X-1-S506A-DUP														
X-1-C506A														Archive
I-3-C506A														
I-6-C506A														Archive
I-1-C506C														
I-3-C506C														Archive
I-6-C506C														Archive
	6	0	2	0	4									



EMSL ANALYTICAL, INC.

**Environmental Chemistry
Chain of Custody**
~~EMSL Order Number (Lab Use Only):~~

51
EMSL ANALYTICAL, INC.
200 ROUTE 130 NORTH
CINNAMON, NJ 08077
PHONE: (800) 220-3675
FAX: (856) 786-5974

011607851
NM
PUB

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

EMSL Analytical Inc.

SOIL / SOLID SURROGATE RECOVERY

Lab Name:	EMSL Analytical									
* : Values outside of QC limits										
D: Surrogate diluted out										
Compound Name:	TCX	TCX2	DCB	DCB2	Total Out					
CAS #:	877-09-8	877-09-8	2051-24-3	2051-24-3						
QC Limits:	(30-137)	(30-137)	(30-138)	(30-138)						
MB 3530-29	11/25/16 10:18	77	89	79	86					
LCS 3530-30	11/25/16 10:46	80	92	81	87					
011607851-25 MS	11/25/16 11:16	81 D	91 D	86 D	90 D					
011607885-1 4X	11/25/16 11:22	52 D	54 D	60 D	60 D					
011607851-25	11/25/16 11:44	82 D	92 D	90 D	94 D					
011607829-1 5X	11/25/16 11:52	85 D	90 D	89 D	88 D					
011607851-25 5X	11/25/16 12:11	75 D	86 D	83 D	87 D					
011607737-1 2X	11/25/16 15:39	81 D	78 D	91 D	83 D					
011607851-15 5X	11/25/16 15:46	94 D	109 D	102 D	109 D					
011607776-1 4X	11/25/16 16:09	80 D	83 D	91 D	89 D					
011607851-18 10X	11/25/16 16:13	90 D	102 D	101 D	107 D					
011607776-2 4X	11/25/16 16:38	97 D	99 D	104 D	98 D					
011607851-21 10X	11/25/16 16:41	97 D	110 D	107 D	111 D					
011607851-1 4X	11/25/16 17:08	97 D	100 D	116 D	109 D					
011607851-22 10X	11/25/16 17:09	91 D	104 D	110 D	113 D					
011607851-28 10X	11/25/16 17:36	89 D	112 D	97 D	104 D					
011607851-4 10X	11/25/16 17:38	87 D	95 D	111 D	112 D					
011607851-31 8X	11/25/16 18:03	79 D	101 D	93 D	115 D					
011607851-7 4X	11/25/16 18:08	91 D	94 D	115 D	109 D					
011607851-36 4X	11/25/16 18:31	80 D	103 D	88 D	96 D					
011607851-10 4X	11/25/16 18:38	80 D	84 D	113 D	108 D					
011607851-39 10X	11/25/16 18:59	74 D	83 D	92 D	93 D					
011607851-13 4X	11/25/16 19:07	103 D	105 D	111 D	106 D					
011607851-42 8X	11/25/16 19:27	61 D	95 D	83 D	88 D					

TCX=Tetrachloro-m-xylene

DCB=Decachlorobiphenyl

EMSL Analytical Inc.

PCB ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	MB 3530-29	
Lab Name:	EMSL Analytical	Project:		
EMSL Sample ID:		Sample Matrix:	Soil	
Lab File ID:	X52953.D	Sampling Date:	12:00:00 AM	
Instrument ID:	ECD-X	Date Extracted:	11/23/2016	
Analyst:	EAA	Analysis Date	11/25/2016 10:18:00 AM	
GC Column:	CLPest I (0.25 mm)	Sample wt/vol:	10 G	
GC Column 2:	CLPest II (0.25 mm)	Dilution Factor:	1	
% Moisture:	0	Concentrated Extract Vol:	10 (mL)	
PH:	0	Injection Volume:	1 (ul)	
GPC Cleanup(Y/N):	N	Sulfur Cleanup:	N	
Extraction Type:	3540C			
Method:	SW846 8081b/8082a			
CAS NO	COMPOUND	Report Limit (mg/kg)	CONC. (mg/kg)	Q
12674-11-2	Aroclor 1016	0.050		U
11104-28-2	Aroclor 1221	0.050		U
11141-16-5	Aroclor 1232	0.050		U
53469-21-9	Aroclor 1242	0.050		U
12672-29-6	Aroclor 1248	0.050		U
11097-69-1	Aroclor 1254	0.050		U
11096-82-5	Aroclor 1260	0.050		U
37324-23-5	Aroclor 1262	0.050		U
11100-14-4	Aroclor 1268	0.050		U

Qualifier Definitions
 U = Undetected
 B = Compound detected in method blank
 E = Estimated value
 J = Estimated Concentration. Detected below Practical Quantitation Level
 D = Dilution40%

EMSL Analytical Inc.

SOIL / SOLID LCS/QCS/ LFB RECOVERY

	Lab Name:	EMSL Analytical	Original	LCS			
			File ID:	X52953.D/X52954.D			
	* : Values outside of						
	COMPOUND	CAS NO	LOW LIMIT	HIGH LIMIT	SPIKE ADDED mg/kg	LCS CONC. mg/kg	LCS REC%
1	Aroclor 1016	12674-11-2	58	123	1.500	1.424	95
2	Aroclor 1260	11096-82-5	63	131	1.500	1.384	92
			Total Out				0 of 2

EMSL Analytical Inc.

SOIL / SOLID MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

	Lab Name:	EMSL Analytical	Original		011607851-25 MS 5X								
			File ID:		X52957.D/X52955.D/X52956.D								
	* : Values outside of												
	COMPOUND	CAS NO	LOW LIMIT	HIGH LIMIT	RPD LIMIT	SAMPLE CONC.	MS SPIKE ADDED mg/kg	MS CONC. mg/kg	MS REC%	MSD SPIKE ADDED mg/kg	MSD CONC. mg/kg	MSD REC%	RPD %
1	Aroclor 1016	12674-11-2	12	164	25	0.000	2.930	3.039	104	2.953	3.159	107	3
2	Aroclor 1260	11096-82-5	43	167	25	0.000	2.930	2.756	94	2.953	2.877	97	4
			Total Out						0 of 2			0 of 2	0 of 2

Printed: 12/01/16 07:39:19 AM

SampleList: QC Batch OP 3530-29

ERM: K:\EMSL_ENV\ERMs\8081-8082\8082soil.erm

FORM III PCB_2

1 of

EMSL Analytical Inc.

SOIL / SOLID SURROGATE RECOVERY

Lab Name:	EMSL Analytical									
* : Values outside of QC limits										
D: Surrogate diluted out										
Compound Name:	TCX	TCX2	DCB	DCB2	Total Out					
CAS #:	877-09-8	877-09-8	2051-24-3	2051-24-3						
QC Limits:	(30-137)	(30-137)	(30-138)	(30-138)						
MB 1 OP 3530-30	11/28/16 13:46	71	82	83	91					
011607851-57 10X	11/28/16 22:04	60 D	67 D	86 D	96 D					
011607851-61 10X	11/28/16 22:32	65 D	73 D	108 D	90 D					
LCS 1 OP 3530-30	11/28/16 14:13	73	84	85	93					
011607851-59 4X	11/28/16 15:09	80 D	91 D	120 D	129 D					
011607851-62 4X	11/28/16 15:36	72 D	82 D	88 D	92 D					
MB 1 OP 3530-30	11/28/16 16:04	65	74	80	88					
LCS 1 OP 3530-30	11/28/16 16:33	69	78	84	92					
011607851-49 MS	11/28/16 17:00	76 D	84 D	95 D	100 D					
011607851-49	11/28/16 17:28	76 D	84 D	99 D	105 D					
011607851-45 8X	11/28/16 17:55	71 D	81 D	101 D	105 D					
011607851-49 6X	11/28/16 18:50	67 D	76 D	88 D	93 D					
011607851-52 10X	11/28/16 21:09	73 D	84 D	106 D	104 D					
011607851-46 4X	11/29/16 11:24	73 D	82 D	93 D	98 D					
011607851-54 25X	11/29/16 11:52	D	D	D	0					
011607851-54 5X	11/29/16 09:06	60 D	67 D	77 D	81 D					
011607851-64 8X	11/29/16 09:34	69 D	77 D	100 D	96 D					

TCX=Tetrachloro-m-xylene
DCB=Decachlorobiphenyl

EMSL Analytical Inc.

PCB ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	MB 1 OP 3530-30 SG	
Lab Name:	EMSL Analytical	Project:		
EMSL Sample ID:		Sample Matrix:	SOIL / SOLID	
Lab File ID:	X52991.D	Sampling Date:	12:00:00 AM	
Instrument ID:	ECD-X	Date Extracted:	11/23/2016	
Analyst:	EH	Analysis Date	11/28/2016 4:04:59 PM	
GC Column:	CLPest I (0.25 mm)	Sample wt/vol:	10 G	
GC Column 2:	CLPest II (0.25 mm)	Dilution Factor:	1	
% Moisture:	0	Concentrated Extract Vol:	10 (mL)	
PH:	0	Injection Volume:	1 (ul)	
GPC Cleanup(Y/N):	N	Sulfur Cleanup:	N	
Extraction Type:	3540C			
Method:	SW846 8081b/8082a			
CAS NO	COMPOUND	Report Limit (mg/Kg)	CONC. (mg/Kg)	Q
12674-11-2	Aroclor 1016	0.050		U
11104-28-2	Aroclor 1221	0.050		U
11141-16-5	Aroclor 1232	0.050		U
53469-21-9	Aroclor 1242	0.050		U
12672-29-6	Aroclor 1248	0.050		U
11097-69-1	Aroclor 1254	0.050		U
11096-82-5	Aroclor 1260	0.050		U
37324-23-5	Aroclor 1262	0.050		U
11100-14-4	Aroclor 1268	0.050		U
Qualifier Definitions U = Undetected B = Compound detected in method blank E = Estimated value J = Estimated Concentration. Detected below Practical Quantitation Level D = Dilution40%				

EMSL Analytical Inc.

SOIL / SOLID LCS/QCS/ LFB RECOVERY

	Lab Name:	EMSL Analytical	Original	LCS 1 OP			
			File ID:	X52991.D/X52992.D			
	* : Values outside of						
	COMPOUND	CAS NO	LOW LIMIT	HIGH LIMIT	SPIKE ADDED mg/Kg	LCS CONC. mg/Kg	LCS REC%
1	Aroclor 1016	12674-11-2	58	123	1.500	1.339	89
2	Aroclor 1260	11096-82-5	63	131	1.500	1.402	93
			Total Out				0 of 2

EMSL Analytical Inc.

SOIL / SOLID MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

	Lab Name:	EMSL Analytical	Original		011607851-49 MS 6X								
			File ID:		X52997.D/X52993.D/X52994.D								
	* : Values outside of												
	COMPOUND	CAS NO	LOW LIMIT	HIGH LIMIT	RPD LIMIT	SAMPLE CONC.	MS SPIKE ADDED mg/Kg	MS CONC. mg/Kg	MS REC%	MSD SPIKE ADDED mg/Kg	MSD CONC. mg/Kg	MSD REC%	RPD %
1	Aroclor 1016	12674-11-2	12	164	25	0.000	4.762	5.105	107	4.777	5.190	109	1
2	Aroclor 1260	11096-82-5	43	167	25	0.000	4.762	4.917	103	4.777	5.112	107	4
			Total Out						0 of 2			0 of 2	0 of 2

Printed: 12/01/16 07:44:39 AM

SampleList: QC Batch OP 3530-30

ERM: K:\EMSL_ENV\ERMs\8081-8082\8082soil.erm

FORM III PCB_2

1 of

EMSL Analytical Inc.

SOIL / SOLID SURROGATE RECOVERY

Lab Name:	EMSL Analytical									
* : Values outside of QC limits										
D: Surrogate diluted out										
Compound Name:	TCX	TCX2	DCB	DCB2	Total Out					
CAS #:	877-09-8	877-09-8	2051-24-3	2051-24-3						
QC Limits:	(30-137)	(30-137)	(30-138)	(30-138)						
MB 1 OP 3530-32	11/28/16 22:03	62	68	72	75					
LCS 1 OP 3530-32	11/28/16 22:31	68	73	80	83					
011607851-80 10X	11/28/16 23:00	60 D	77 D	79 D	96 D					
011607851-83 10X	11/28/16 23:29	61 D	76 D	87 D	105 D					
011607851-68 10X	11/28/16 23:55	68 D	78 D	93 D	100 D					
011607851-88 10X	11/28/16 23:58	57 D	73 D	82 D	99 D					
MB 1 OP 3530-32	11/28/16 14:38	73	80	77	79					
LCS 1 OP 3530-32	11/28/16 15:08	77	82	83	84					
011607851-104 MS	11/28/16 15:37	85 D	104 D	93 D	110 D					
011607851-104	11/28/16 16:07	78 D	94 D	89 D	107 D					
011607851-85 10X	11/28/16 16:37	77 D	97 D	97 D	114 D					
011607851-93 4X	11/28/16 17:07	79 D	95 D	85 D	98 D					
011607851-95 4X	11/28/16 17:37	78 D	94 D	86 D	98 D					
011607851-98 5X	11/28/16 18:06	76 D	93 D	89 D	103 D					
011607851-104 8X	11/28/16 18:36	79 D	98 D	89 D	107 D					
011607851-107	11/28/16 19:06	80 D	99 D	88 D	107 D					
011607851-109	11/28/16 19:36	77 D	97 D	98 D	110 D					
011607851-75 10X	11/29/16 01:17	64 D	71 D	91 D	95 D					
011607851-101	11/29/16 01:24	61 D	76 D	80 D	98 D					
011607851-78 10X	11/29/16 01:45	58 D	65 D	90 D	93 D					
011607851-108	11/29/16 01:52	66 D	83 D	93 D	113 D					
011607851-101	11/29/16 10:29	D	D	D	0					
011607851-65 10X	11/29/16 10:57	66 D	74 D	89 D	91 D					
011607851-70 10X	11/29/16 00:22	66 D	73 D	89 D	94 D					
011607851-91 10X	11/29/16 00:26	58 D	76 D	82 D	101 D					
011607851-71 10X	11/29/16 00:50	63 D	71 D	85 D	90 D					
011607851-97 10X	11/29/16 00:55	67 D	86 D	87 D	106 D					

TCX=Tetrachloro-m-xylene
DCB=Decachlorobiphenyl

EMSL Analytical Inc.

PCB ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	MB 1 OP 3530-32 SG		
Lab Name:	EMSL Analytical				
EMSL Sample ID:		Project:			
Lab File ID:	Y47894.D	Sample Matrix:	SOIL / SOLID		
Instrument ID:	ECD-Y	Sampling Date:	12:00:00 AM		
Analyst:	EH	Date Extracted:	11/25/2016		
GC Column:	CLPest I (0.25 mm)	Analysis Date	11/28/2016 10:03:00 PM		
GC Column 2:	CLPest II (0.25 mm)	Sample wt/vol:	10 G		
% Moisture:	0	Dilution Factor:	1		
PH:	0	Concentrated Extract Vol:	10 (mL)		
GPC Cleanup(Y/N):	N	Injection Volume:	1 (ul)		
Extraction Type:	3540C	Sulfur Cleanup:	N		
Method:	SW846 8081b/8082a				
CAS NO	COMPOUND		Report Limit (mg/Kg)	CONC. (mg/Kg)	Q
12674-11-2	Aroclor 1016		0.050		U
11104-28-2	Aroclor 1221		0.050		U
11141-16-5	Aroclor 1232		0.050		U
53469-21-9	Aroclor 1242		0.050		U
12672-29-6	Aroclor 1248		0.050		U
11097-69-1	Aroclor 1254		0.050		U
11096-82-5	Aroclor 1260		0.050		U
37324-23-5	Aroclor 1262		0.050		U
11100-14-4	Aroclor 1268		0.050		U
Qualifier Definitions U = Undetected B = Compound detected in method blank E = Estimated value J = Estimated Concentration. Detected below Practical Quantitation Level D = Dilution40%					

EMSL Analytical Inc.

SOIL / SOLID LCS/QCS/ LFB RECOVERY

	Lab Name:	EMSL Analytical	Original	LCS 1 OP			
			File ID:	Y47894.D/Y47895.D			
	* : Values outside of						
	COMPOUND	CAS NO	LOW LIMIT	HIGH LIMIT	SPIKE ADDED mg/Kg	LCS CONC. mg/Kg	LCS REC%
1	Aroclor 1016	12674-11-2	58	123	1.500	1.129	75
2	Aroclor 1260	11096-82-5	63	131	1.500	1.155	77
			Total Out				0 of 2

EMSL Analytical Inc.

SOIL / SOLID MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

	Lab Name:	EMSL Analytical	Original		011607851-104 MS 8X								
			File ID:		Y47887.D/Y47881.D/Y47882.D								
	* : Values outside of												
	COMPOUND	CAS NO	LOW LIMIT	HIGH LIMIT	RPD LIMIT	SAMPLE CONC.	MS SPIKE ADDED mg/Kg	MS CONC. mg/Kg	MS REC%	MSD SPIKE ADDED mg/Kg	MSD CONC. mg/Kg	MSD REC%	RPD %
1	Aroclor 1016	12674-11-2	12	164	25	0.000	3.614	3.875	107	3.614	3.656	101	6
2	Aroclor 1260	11096-82-5	43	167	25	0.000	3.614	3.708	103	3.614	3.609	100	3
			Total Out						0 of 2			0 of 2	0 of 2

Printed: 12/01/16 07:47:46 AM

SampleList: QC Batch OP 3530-32

ERM: K:\EMSL_ENV\ERMs\8081-8082\8082soil.erm

FORM III PCB_2

1 of

Enviro - Chem, Inc.

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

Date: December 8, 2016

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

Project: **Rogers E.S.**
Lab I.D.: **161201-5 through -8**

Dear Mr. Ruvalcaba:

The **analytical results** for the solid samples, received by our laboratory on December 1, 2016, are attached. The samples were received intact, and accompanying chain of custody.

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

Sincerely,

Curtis Desilets
Vice President/Program Manager

Andy Wang
Laboratory Manager

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: **Rogers E.S.**DATE SAMPLED:11/30/16DATE RECEIVED:12/01/16

MATRIX:SOLID

DATE EXTRACTED:12/05/16REPORT TO:MR. CESAR RUVALCABADATE ANALYZED:12/05&06/16DATE REPORTED:12/08/16**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
I-1-2C	161201-5	ND	10^							
X-1-2C	161201-6	ND	10^							
I-1-501	161201-7	ND	10^							
X-1-501	161201-8	ND	200^							
Method Blank		ND	1							
	PQL	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01

COMMENTS

DF = Dilution Factor

PQL = Practical Quantitation Limit

Actual Detection Limit = DF X PQL

ND = Non-Detected Or Below the Actual Detection Limit

^ = Actual Detection Limit Raised Due to Limited Sample

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

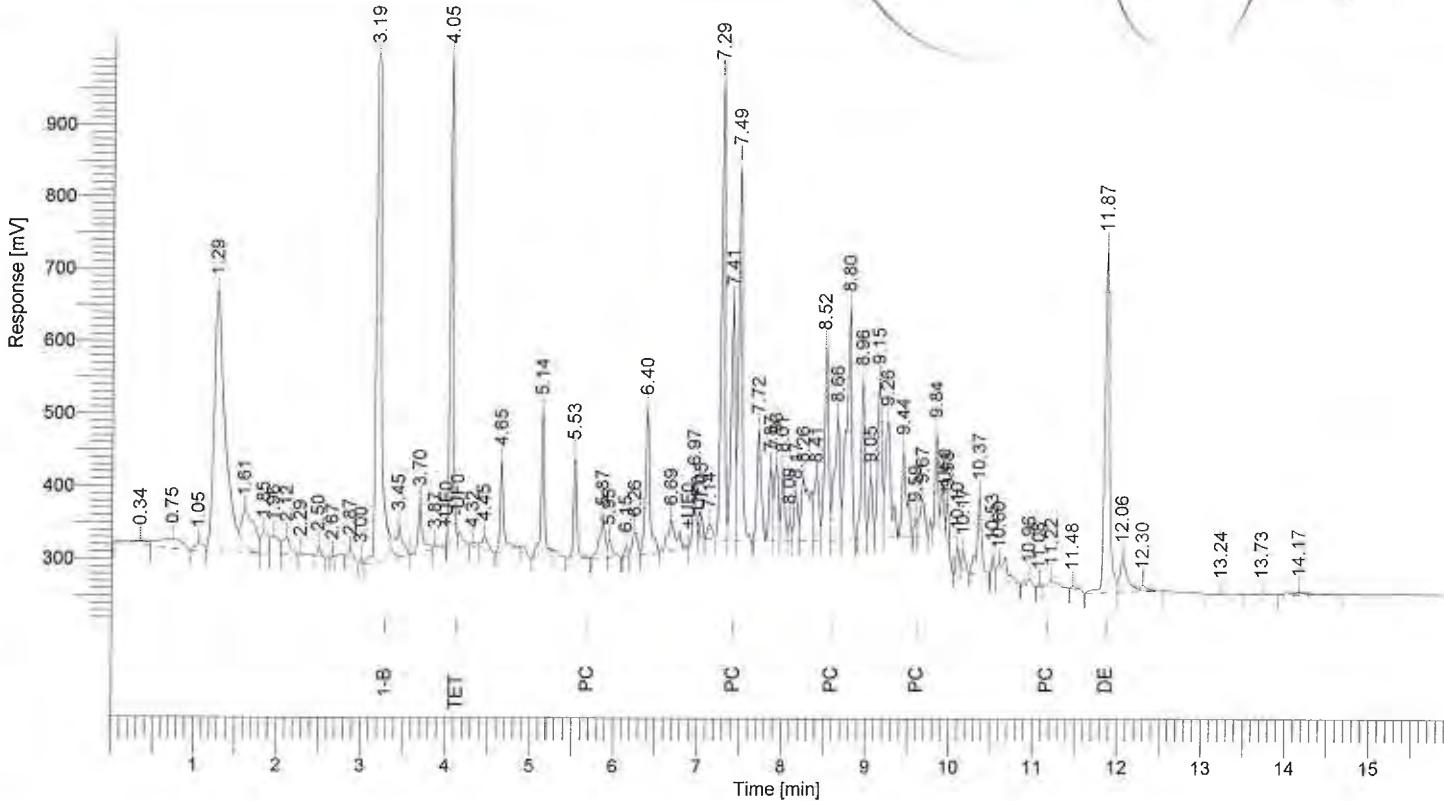
*** = The concentration exceeds the TTLC Limit of 50, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)

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

Software Version : 6.3.2.0646
 Sample Name : 161201-8 5/100 RE
 Instrument Name : GC-E
 Rack/Vial : 0/5
 Sample Amount : 1.000000
 Cycle : 7

Date : 12/8/2016 3:26:57 PM
 Data Acquisition Time : 12/6/2016 10:40:51 AM
 Channel
 Operator
 Dilution Factor : 1.000000

Result File : D:\GC DATA\GC-E\E02016\E1612\E161205\B065.rst
 Sequence File : D:\GC DATA\GC-E\E02016\E1612\E161205\E161205.seq

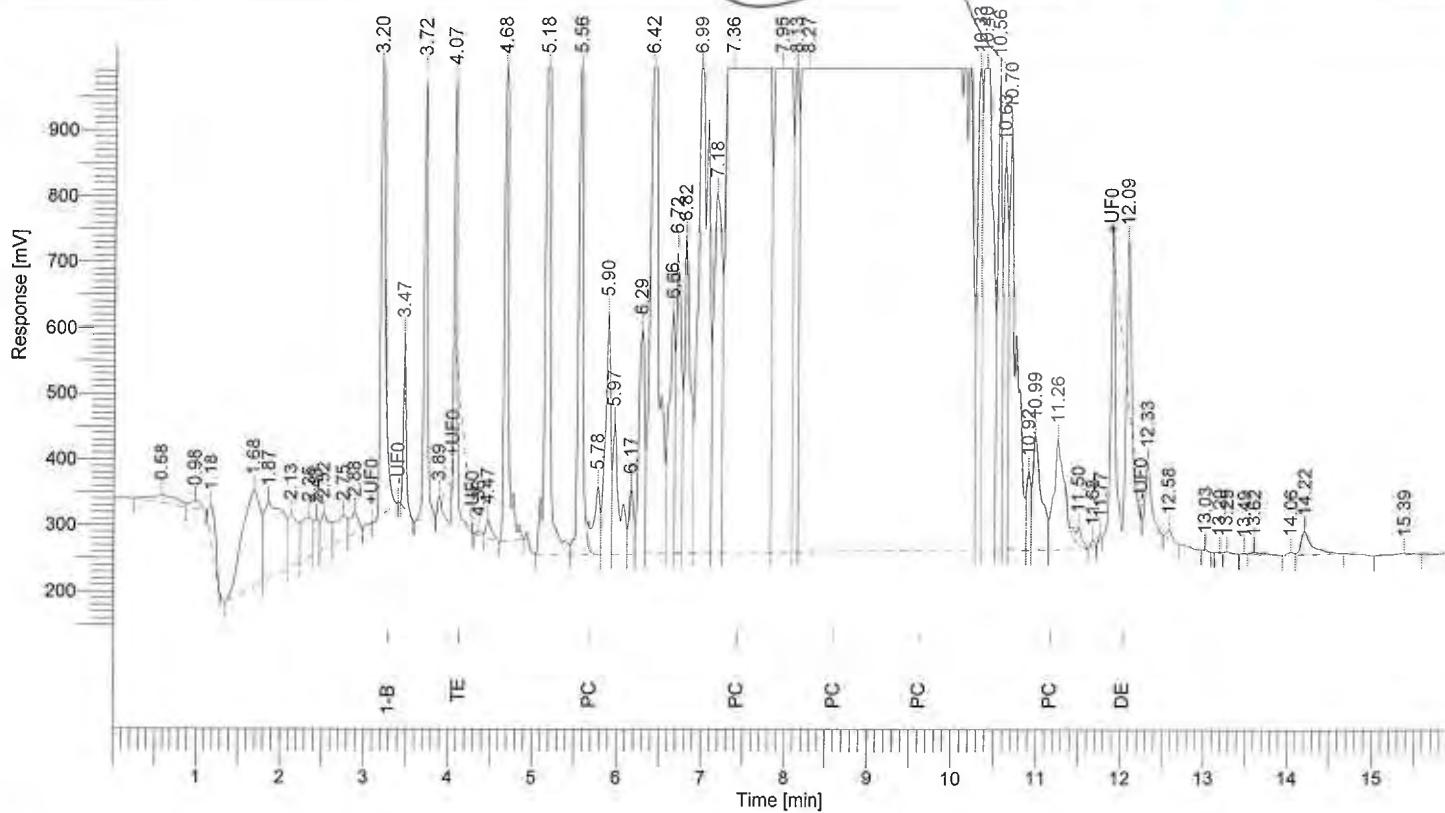


Peak #	Component Name	Time [min]	Area [uV*sec]	PCB Results	
				Height [uV]	Adjusted Amount
14	1-Bromo-2-Nitrobenzene	3.19	3135337.57	728504.46	-----
18	Tetra chloro-meta-xylene	4.05	1723128.77	668528.71	131.431
	PCB (1016+1260)	7.29	3151481.63	973917.21	0.314
65	Decachlorobiphenyl	11.87	1724762.60	467142.52	72.986
				9734710.57	2838092.90
					204.731

Software Version : 6.3.2.0646
 Sample Name : 161201-8 5/5 lim.
 Instrument Name : GC-E
 Rack/Vial : 0/32
 Sample Amount : 1.000000
 Cycle : 32

Date 12/8/2016 3:26:42 PM
 Data Acquisition Time 12/5/2016 11:12:29 PM
 Channel B
 Operator GC
 Dilution Factor 1.000000

Result File : D:\GC DATA\GC-E\E02016\E1612\E161205\B032.rst
 Sequence File : D:\GC DATA\GC-E\E02016\E1612\E161205\E161205.seq



Peak #	Component Name	Time [min]	Area [uV*sec]	Height [uV]	Adjusted Amount	PCB Results
12	1-Bromo-2-Nitrobenzene	3.20	2862523.68	679221.61	-----	
16	Tetra chloro-meta-xylene	4.07	625729.95	404135.98	52.276	
	PCB (1016+1260)	5.56	29554807.04	1674854.19	3.227	
48	Decachlorobiphenyl	12.09	653625.20	234766.34	30.295	
			33696685.87	2992978.13	85.798	

Enviro-Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766

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

EPA 8082 QA/QC Report

Matrix: **Soil/Solid/Sludge**

Date Analyzed: **12/5-6/2016**

Unit: **mg/Kg(PPM)**

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

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

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

Lab Control Spike (LCS) Recovery:

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

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

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

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

S.R. = Sample Result

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

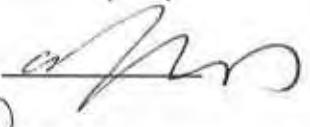
spk conc = Spike Concentration

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

Date: December 9, 2016

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

Project: **Rogers E.S.**
Lab I.D.: **161201-5 through -8**

Dear Mr. Ruvalcaba:

The **additional PCBs results** for the solid samples, received by our laboratory on December 1, 2016, are attached. The samples were received chilled, intact, accompanying chain of custody and also stored per the EPA protocols.

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

Sincerely,


Curtis Desilets
Vice President/Program Manager


Andy Wang
Laboratory Manager

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

LABORATORY REPORT

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

DATE SAMPLED:11/30/16 DATE RECEIVED:12/01/16
MATRIX:SOLID DATE EXTRACTED:12/08/16
REPORT TO:MR. CESAR RUVALCABA DATE ANALYZED:12/09/16
DATE REPORTED:12/09/16

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
X-1-501	161201-8	ND	100^							
<u>Method Blank</u>		ND	1							
	PQL	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01

COMMENTS

DF = Dilution Factor

PQL = Practical Quantitation Limit

Actual Detection Limit = DF X PQL

ND = Non-Detected Or Below the Actual Detection Limit

^ = Actual Detection Limit Raised Due to Limited Sample

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

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

Data Reviewed and Approved by: MM
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: 12/8-9/2016

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

Spiked Sample Lab I.D.: 161208-LCS1/2

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
PCB (1016+1260)	0.000	0.100	0.099	99%	0.090	90%	10%	0-20%	70-130

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	0.100	0.121	121%	75-125

Surrogate Recovery	ACP%	ACP%	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	161129-34	161129-35	161129-37	161129-38	161129-56	161129-57
Tetra-chloro-meta-xylene	50-150	128%	127%	135%	137%	129%	127%	123%
Decachlorobiphenyl	50-150	85%	82%	79%	74%	82%	81%	76%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	161129-65	161129-66	161208-8	161208-9	161208-10	161208-11	161201-8	
Tetra-chloro-meta-xylene	125%	130%	123%	127%	120%	123%	137%	
Decachlorobiphenyl	79%	78%	76%	74%	71%	71%	76%	

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

S.R. = Sample Result

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

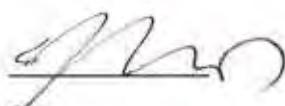
spk conc = Spike Concentration

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

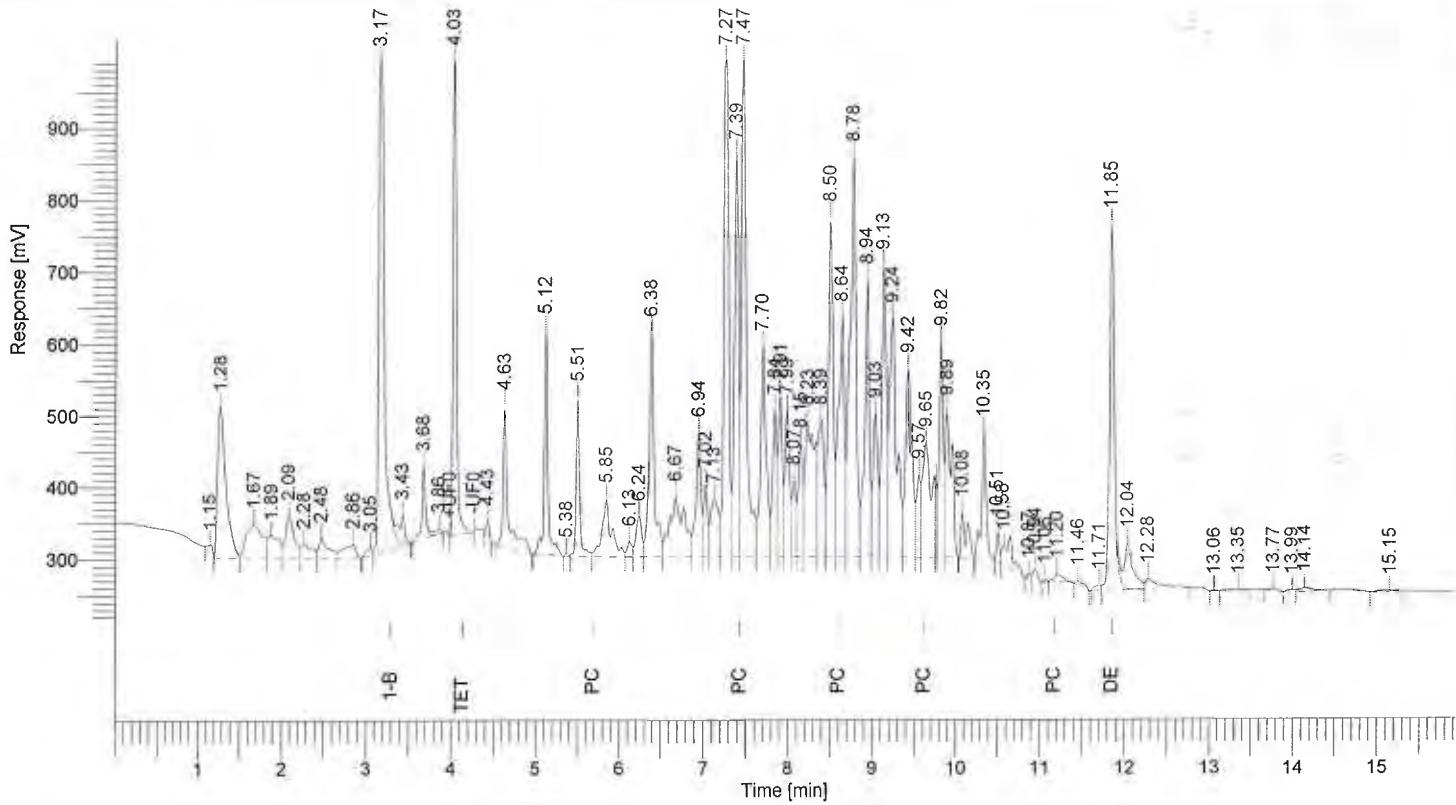
Analyzed and Reviewed By: 

Final Reviewer: 

Software Version : 6.3.2.0646
 Sample Name : 161201-8 5/50
 Instrument Name : GC-E
 Rack/Vial : 0/62
 Sample Amount : 1.000000
 Cycle : 1

Date : 12/9/2016 1:57:17 PM
 Data Acquisition Time : 12/9/2016 9:14:48 AM
 Channel : B
 Operator : manager
 Dilution Factor : 1.000000

Result File : D:\GC DATA\GC-E\E02016\E1612\E161208\B036.rst
 Sequence File : D:\GC DATA\GC-E\E02016\E1612\E161208\E161208.seq



Peak #	Component Name	Time [min]	Area [uV*sec]	Height [uV]	PCB Results	
					Adjusted Amount	
10	1-Bromo-2-Nitrobenzene	3.17	3341863.68	693053.55		
14	Tetra chloro-meta-xylene	4.03	1915817.34	660731.46	137.098	
	PCB (1016+1260)	7.27	5887584.04	1399079.32	0.551	
61	Decachlorobiphenyl	11.85	1905206.20	500972.79	75.639	
					13050471.26	3253837.11
					213.287	

Enviro-Chem, Inc. Laboratories

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

EPA Method 8082 PCBs

PRESERVATION

No. OF CONTAINERS

Week (Standard)

Week (Standard)

CA-DHS ELAP CERTIFICATE #1555
tel.: (909) 390-3903 Fax: (909) 390-3

Company Name:

Address: 3777 Long Beach Blvd

City/State/Zip: Lang Beach
77

Digitized by srujanika@gmail.com

Dolinajuičad by:

12-1-16

Project Contact:

Cesare Pavese

Tel: 562-495-5777

Fax/Email: Cesar.franckebelkam@nrae.com
Date & Time: 12/11/15

Received by:

Received by:

Sampler's Signature:

Project Name/ID: *Project Name*

Instructions for Sample Storage After Analysis:
□ Disinfect of □ Return to Client (3-Store / 30 Days)

0 Other

CHAIN OF CUSTODY RECORD

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

Date: November 23, 2016

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

Project: **SNSD-16-6967 / Doors & Windows - Rogers E.S.**
Lab I.D.: **161116-9, -10**

Dear Mr. Ruvalcaba:

The **analytical results** for the solid samples, received by our laboratory on November 16, 2016, are attached. The samples were received intact, and accompanying chain of custody.

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

Sincerely,



Curtis Desilets
Vice President/Program Manager



Andy Wang
Laboratory Manager

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: **SNSD-16-6967 / Doors & Windows - Rogers E.S.**

DATE SAMPLED:11/11/16 DATE RECEIVED:11/16/16
MATRIX:SOLID DATE EXTRACTED:11/21/16
REPORT TO:MR. CESAR RUVALCABA DATE ANALYZED:11/23/16
DATE REPORTED:11/23/16

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
X-1-S505SD	161116-9	ND	10^							
I-1-P306SD	161116-10	ND	10^							
Method Blank		ND	1							
PQL		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01

COMMENTS

DF = Dilution Factor

PQL = Practical Quantitation Limit

Actual Detection Limit = DF X PQL

ND = Non-Detected Or Below the Actual Detection Limit

^ = ACTUAL DETECTION LIMIT RAISED DUE TO MATRIX INTERFERENCE

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

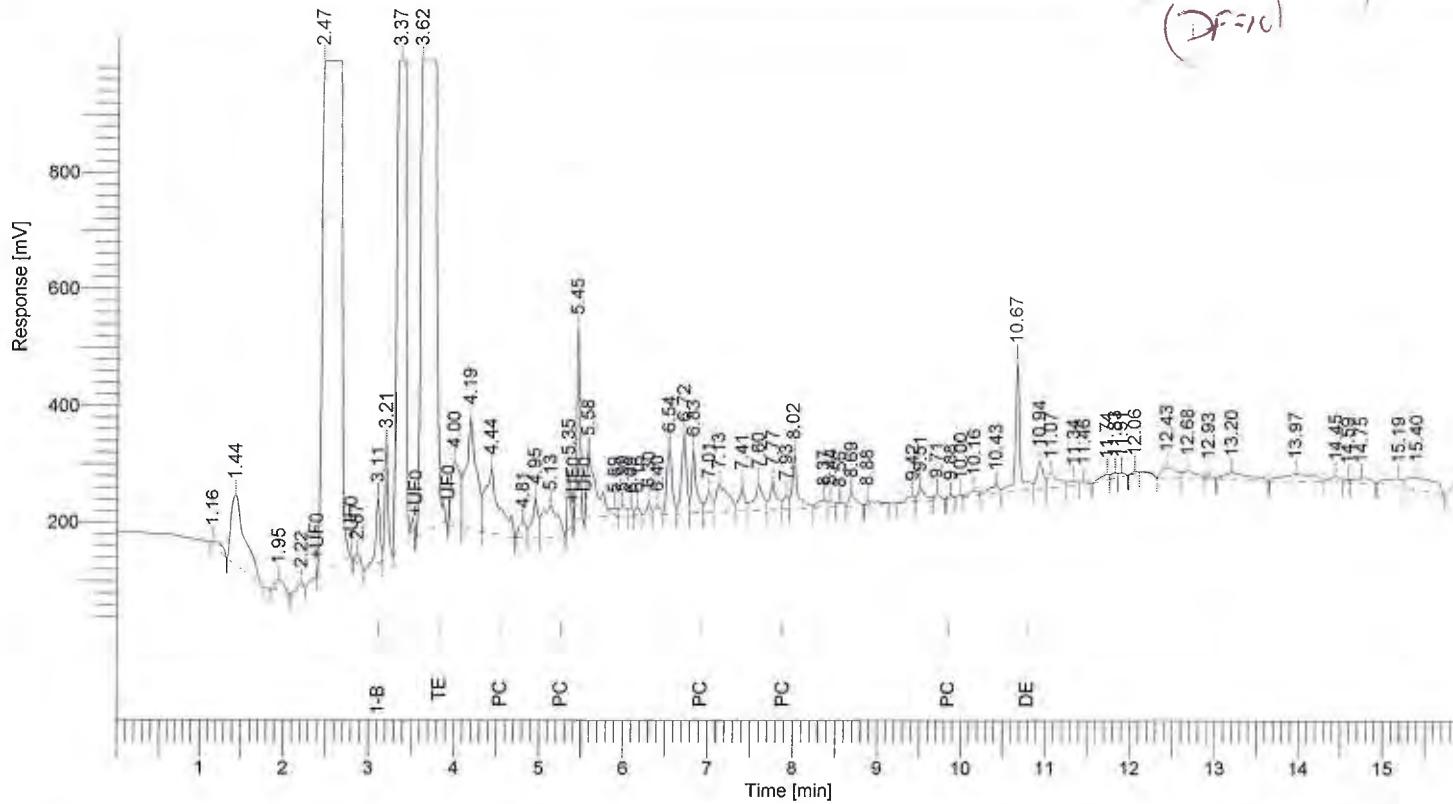
*** = The concentration exceeds the TTLC Limit of 50, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)

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

Software Version : 6.3.2.0646
 Sample Name : 161116-9 5/5.lim.
 Instrument Name : GC-E
 Rack/Vial : 0/11
 Sample Amount : 1.000000
 Cycle : 10

Date : 11/23/2016 1:43:40 PM
 Data Acquisition Time : 11/23/2016 1:25:32 PM
 Channel : A
 Operator : GC
 Dilution Factor : 1.000000

Result File : D:\GC DATA\GC-E\E02016\E1611\E161123\A010.rst
 Sequence File : D:\GC DATA\GC-E\E02016\E1611\E161123\E161123.seq



PCB Results					
Peak #	Component Name	Time [min]	Area [µV*sec]	Height [µV]	Adjusted Amount
5	1-Bromo-2-Nitrobenzene	2.47	13140120.39	879965.00	-----
10	Tetra chloro-meta-xylene	3.62	10019025.38	814167.41	100.346
	PCB (1016+1260)	4.19	2641276.81	405968.30	0.136
48	Decachlorobiphenyl	10.67	840843.22	217340.27	8.903
				26641265.79 2317440.98	109.385

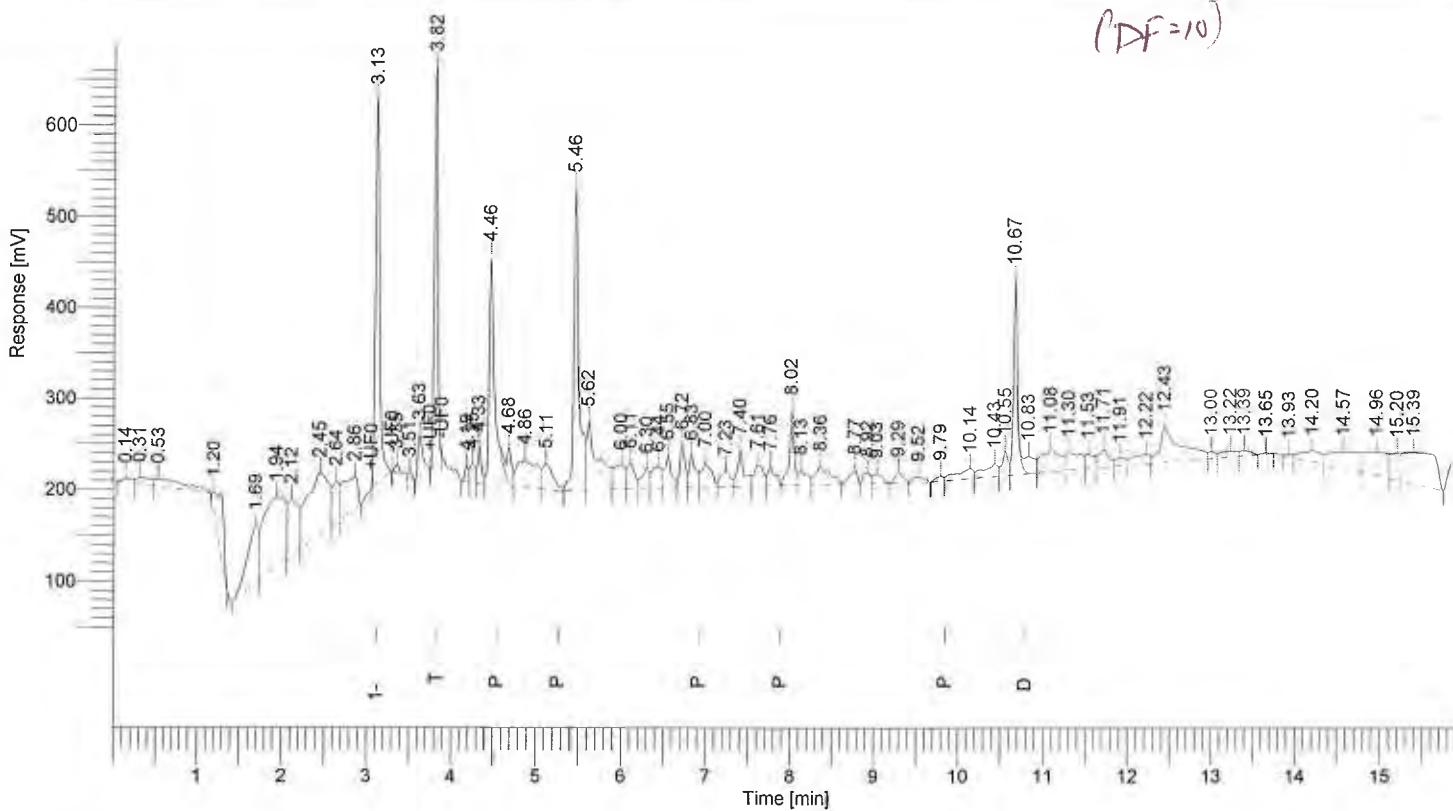
Software Version : 6.3.2.0646
 Sample Name : 161116-10 5/5.lim.
 Instrument Name : GC-E
 Rack/Vial : 0/12
 Sample Amount : 1.000000
 Cycle : 11

Date : 11/23/2016 2:03:15 PM
 Data Acquisition Time : 11/23/2016 1:46:01 PM
 Channel : A
 Operator : GC
 Dilution Factor : 1.000000

Result File : D:\GC DATA\GC-E\E02016\E1611\E161123\A011.rst
 Sequence File : D:\GC DATA\GC-E\E02016\E1611\E161123\E161123.seq

(F-1-P 306 SD)

(DF=10)



PCB Results

Peak #	Component Name	Time [min]	Area [UV*sec]	Height [UV]	Adjusted Amount
11	1-Bromo-2-Nitrobenzene	3.13	1463723.61	419912.63	-----
15	Tetra chloro-meta-xylene	3.82	1185968.41	435348.70	106.632
	PCB (1016+1260)	4.46	1388944.10	287143.57	0.642
49	Decachlorobiphenyl	10.67	718970.94	209439.46	68.336
			4757607.06	1351844.35	175.610

QA/QC Report

Analysis: EPA 8082 (PCB)

Matrix: Soil/Solid/Liquid/Sludge Date Analyzed: 11/21/2016
Unit: mg/Kg (PPM)

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

Spiked Sample Lab I.D.: 161121-LCS1/2

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP % RPD	ACP %REC
PCB (1016+1260)	0.00	0.100	0.098	98%	0.109	109%	11%	0-20%	70-130

LCS STD RECOVERY:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	0.100	0.104	104%	75-125

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

Analyzed and Reviewed By: 

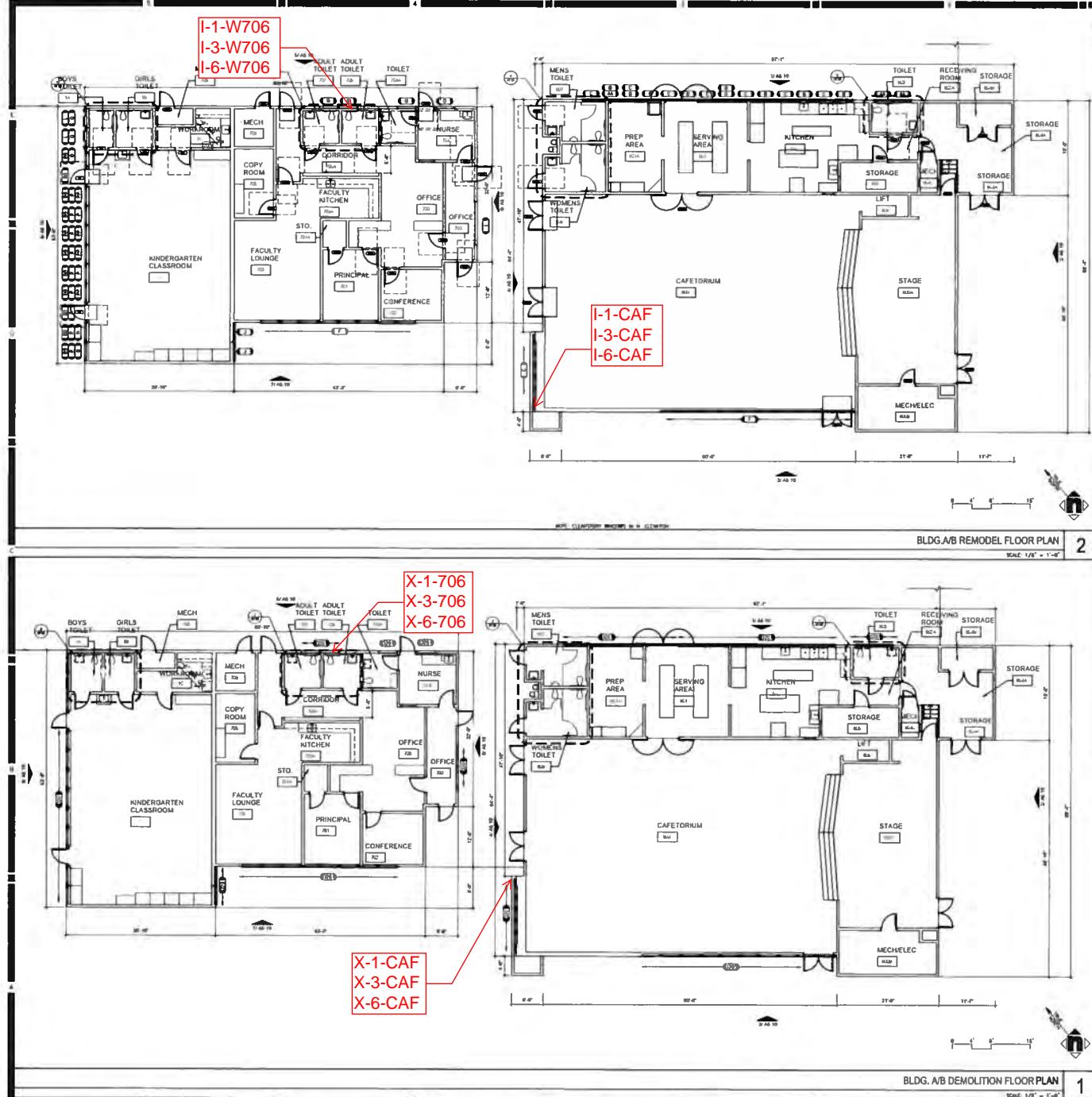
Final Reviewer: 

ALTA ENV

Draft

Appendix C

Sample Location Maps



REMODEL NOTES

HMC Architects

633 W. Fifth Street, Third Floor / Los Angeles, CA
T 213.542.6393 | www.hausmannbooks.com

FLOOR PLAN REMODEL KEYNOTES

- E 1.1 INSTALL PRIMIC HARDWARE PER CLASSROOM DOOR
 - E 1.2 PROVIDE NEW PLASTIC LAMINATE COUNTER/BACKSPLASH & SINK/FIXTURES, PER DETAIL B1/A7.02, CONNECT TO (3) PLUMBING
 - E 1.3 PRIMIC NEW PLASTIC LAMINATE COUNTER/BACKSPLASH & SINK/FIXTURES, PER DETAIL C1/A7.03 (EX: ADULT ACCESSIBILITY DIMENSIONS), CONNECT TO (3) PLUMBING
 - E 1.4 NEW THERMALS SEE DETAIL S/49.11

STATEMENT OF HAZARDOUS MATERIAL RECOVERY

IF THE CONTRACTOR ENCOUNTERS A HAZARDOUS MATERIAL OR SUBSTANCE NOT IDENTIFIED IN THE HAZARDASSESSMENT REPORT OR IN A CONCEALED CONDITION, THE CONTRACTOR SHALL IMMEDIATELY RECOGNIZING THE CONDITION, IMMEDIATELY STOP WORK IN THE AFFECTED AREA AND NOTIFY THE CONDITION TO THE OWNER AND ARCHITECT BY WRITING.

UPON RECEIPT OF THE CONTRACTOR'S WRITTEN NOTICE, THE OWNER SHALL
DETAIN THE SERVICES OF A LICENSED LABORATORY TO VERIFY THE PRESENCE
OR ABSENCE OF THE MATERIAL OR SUBSTANCE REPORTED BY THE CONTRACTOR
AND, IN THE EVENT SUCH MATERIAL OR SUBSTANCE IS FOUND TO BE PRESENT
TO PROVIDE RECOMMENDATIONS TO CAUSE IT TO BE ABATED AND RENDER
HARMLESS.

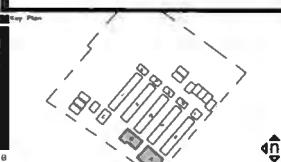
DEMOLITION NOTES

FLOOR PLAN DEMOLITION KEYNOTES

- GENERAL REQUIREMENTS**

 1. REFER TO CONSULTANT REPORTS FOR DETAILED REQUIREMENTS & COORDINATION.
 2. THE ITEMS REFERRED TO IN THESE LISTS SHALL INCLUDE BUT NOT LIMITED TO THE ITEMS REFERRED ON CONSTRUCTION DOCUMENTS. DEMOLITION CONTRACTS ARE NOT TO BE ISSUED UNTIL THE CONTRACTOR HAS AGREED TO COMPLETE THE WORK UNDER THIS CONTRACT FOR A PERIOD NOT EXCEEDING ONE YEAR. CONTRACTOR SHALL HOLD THE SITE, PRIOR TO COMMENCEMENT OF WORK, IN A CLEAN AND ORDERLY STATE, EXCEPT DURING DEMOLITION.
 3. WORKERS' COMPENSATION INSURANCE IS REQUIRED FOR ALL PERSONNEL INVOLVED IN THE PREPARATION AND REMOVAL OF ALL SURFACES DAMAGED DURING DEMOLITION AS REQUERED TO ALLOW FOR INSTALLATION OF NEW WORK. REPORT OF C.V.C. FORM NO. 4400 IS REQUIRED FOR APPROVAL.
 4. CONTRACTOR IS TO CAREFULLY CHECK ALL EXISTING CONDITIONS PRIOR TO REMOVAL. EXISTING WALLS TO PREPARE FOR PAINTING, GEMS OR OTHER MATERIALS WHICH MAY BE FOUND IN THE EXISTING CONCRETE ARE TO BE REMOVED AND PROPERLY STORED AND SECURED, OR REMOVED IN SAME LOCATION UNLESS DIRECTED OTHERWISE.
 5. EXISTING PLUMBING, LIQUID FUEL CISTERN'S IS TO REMAIN IN PLACE & IS TO BE PROTECTED.

- REMOVE AND REPLACE WINDOW AND SURROUNDING MATERIALS
- REMOVE AT ALL INSTANCES 270° T-ANGLE DIRECTLY IN FRONT OF COLUMNS
- REMOVE ALL SPEZI ANGLE CLIPS AT END OF WINDOW BAY
- REMOVE {1} SINK & ASSOCIATED FIXTURES/PITTINGS. SWEEP COUNTER & BACKSPASH TO ROLL FOR 36" CLEARANCE AREA - SEE DETAIL B1/A7
- REMOVE {1} GLAZING & STOPS, LEAVE ALL OTHER WOOD UNDISTURBED.
- REMOVE {1} SINK & CABINETRY



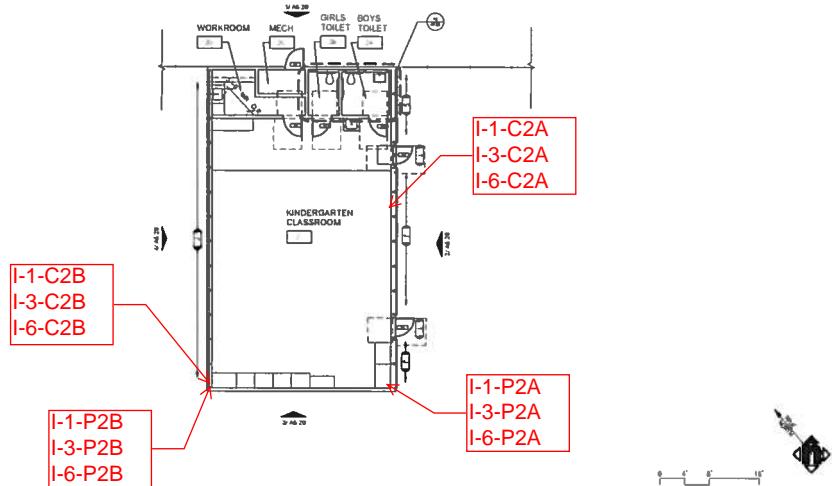
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A	Drawing Title:	BLDG. A/B DEMO/REMODEL FLOOR PLANS			

ArctiKool's Seal Designated: 643 Hygrostat No. 3448017-000

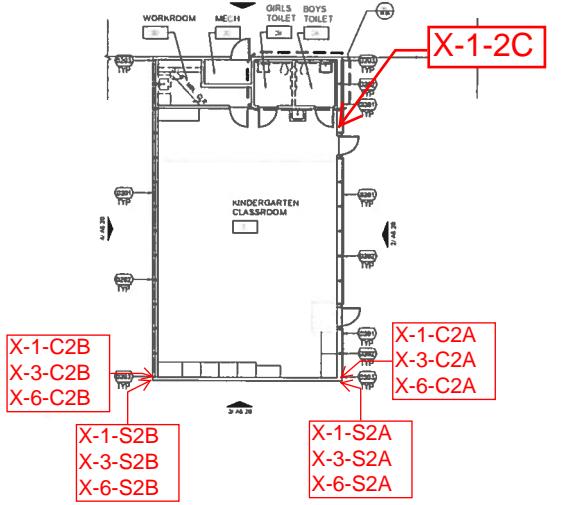


Opening No



BLDG.D REMODEL FLOOR PLAN

PLAN



BLDG. D DEMOLITION FLOOR PLAN

LAN

REMODEL NOTES

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FLOOR PLAN REMODEL KEYNOTES

- HAZARDOUS MATERIALS** WILL BE ABATED AND PROPERLY DISPOSED OF ACCORDING TO DISTRICT'S REPORT AND CARDBOARD. ALL MATERIALS REMOVED WILL BE RECORDED IN THE HAZARDOUS MATERIALS LOG.

2. FOR TYPICAL STANDARDS AND APPROVALS, REFER TO SHEET C.I.B.

3. CONTRACTOR IS TO PAY FOR REPAIR DAMAGED PLASTER/BRYMALL AS REQUIRED.

4. ALL FLUORESCENT AT MECHANICAL ROOMS TO REMAIN.

5. EQUIPMENT REMAINING IN ROOMS IS TO BE PROTECTED IN PLACE.

6. FLOOR SURFACE IS TO BE FRESH PAINT, LACQUER & COLOR.

7. ALL ROOM IDENTIFICATION MARKLE SIGNAGE IS TO CURRENT CODE & MEET ADA STANDARDS (EXCEPT AS NOTED).



STATEMENT OF HAZARDOUS MATERIAL DISPOSAL

IF THE CONTRACTOR ENCOUNTERS A HAZARDOUS MATERIAL OR SUBSTANCE NOT ADDRESSED IN THE HAZARDous MATERIAL REPORT OR IN A CONCEALED CONDITION, THE CONTRACTOR SHALL, UPON RECOGNIZING THE CONDITION, IMMEDIATELY STOP WORK IN THE AFFECTED AREA AND REPORT THE CONDITION TO THE OWNER AND ARCHITECT IN WRITING.

UPON RECEIPT OF THE CONTRACTOR'S WRITTEN NOTICE, THE OWNER SHALL
DISPENSE THE SERVICES OF A LICENSED LABORATORY TO VERIFY THE PRESENCE
OR ABSENCE OF THE MATERIAL OR SUBSTANCE REPORTED BY THE CONTRACTOR
AND, IN THE EVENT SUCH MATERIAL OR SUBSTANCE IS FOUND TO BE PRESENT,
TO PROPOSE RECOMMENDATIONS TO CAUSE IT TO BE AWAYED AND RENDERED
HARMLESS.

WHICH THE MATERIAL OR SUBSTANCE HAS BEEN ABATED AND RENDERED HARMLESS, WORK IN THE AFFECTIONATE AREA SHALL RESUME UPON WRITTEN ACHIEVEMENT OF THE OWNER AND CONTRACTOR.

DEMOLITION NOTES

- GENERAL DEMO NOTES**

1. **DEMOLITION** - ALL BULKY REPORTS FOR DEMO REQUIREMENTS & CONSIDERATION.

2. **DEMOLITION** WHERE THESE LIGHTS SHALL EXCLUDE ANY NOT BE LEFTED TO THE END OF THE CONTRACT PERIOD. THIS WILL INCLUDE ALL EXISTING EXTERIOR LIGHTS WHICH ARE NOT REMOVED. THIS WILL ALSO INCLUDE ANY AND ALL OTHER ITEMS NECESSARY TO COMPLETE THE PROJECT UNDER THIS CONTRACT FROM THE DATE OF EXPIRATION OF THE CONTRACT PERIOD. THE BULKY FURNITURE WHICH IS NOT REMOVED IN THE CONTRACT PERIOD WILL BE LEFTED AT THE END OF THE CONTRACT PERIOD. THE BULKY FURNITURE WHICH IS NOT REMOVED IN THE CONTRACT PERIOD WILL BE LEFTED AT THE END OF THE CONTRACT PERIOD.

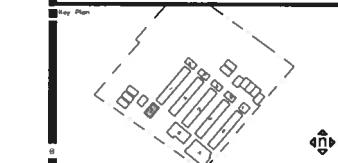
3. **CONSTRUCTION** - IT IS PRACTICALLY ALL SURFACES DAMAGED DURING DEMOLITION AS REFERRED TO ALLOW FOR INSTALLATION OF NEW WORK REFERRED TO AS CONSTRUCTION. THIS WILL INCLUDE ALL EXISTING EXTERIOR LIGHTS WHICH ARE NOT REMOVED.

4. **CONSTRUCTION** IS FROM EXISTING WALLS TO REMOVE AND SOURCE FOR RE-INSTALLATION ALL ITEMS FROM EXISTING WALLS FOR PREVIOUS ITEMS REFERRED TO AS CONSTRUCTION. THIS WILL INCLUDE ALL EXISTING EXTERIOR LIGHTS WHICH ARE NOT REMOVED IN SAME LOCATION UNLESS DIRECTED OTHERWISE.

5. **DEMOLITION** - ALL CABLES WHICH CARRIES CURRENT IS TO BE ALREADY IN PLACE & IS TO BE LEAVE IN PLACE.

FLOOR PLAN DEMOLITION KEYNOTES

- REMOVE AND REPLACE WINDOW AND SURROUNDING MATERIALS
 - REMOVE AT ALL INSTANCES 2X24" T" ANGLE DIRECTLY IN FRONT OF COLUMNS
 - REMOVE ALL STEEL ANGLE CLIPS AT END OF WINDOW BAY
 - REMOVE (1) SWIM & ASSOCIATED FIXTURES/FITTINGS SWIMOUT COUNTER & BACKSPASH TO ALLOW FOR 36" CLEARANCE AREA - SEE DETAIL B1/A7
 - REMOVE (1) CLADDING & STOPS. LEAVE ALL OTHER WOOD UNDISTURBED.
 - REMOVE (1) SWIM & CASTERWALL



Agent Approval	FILE NO. 6440	
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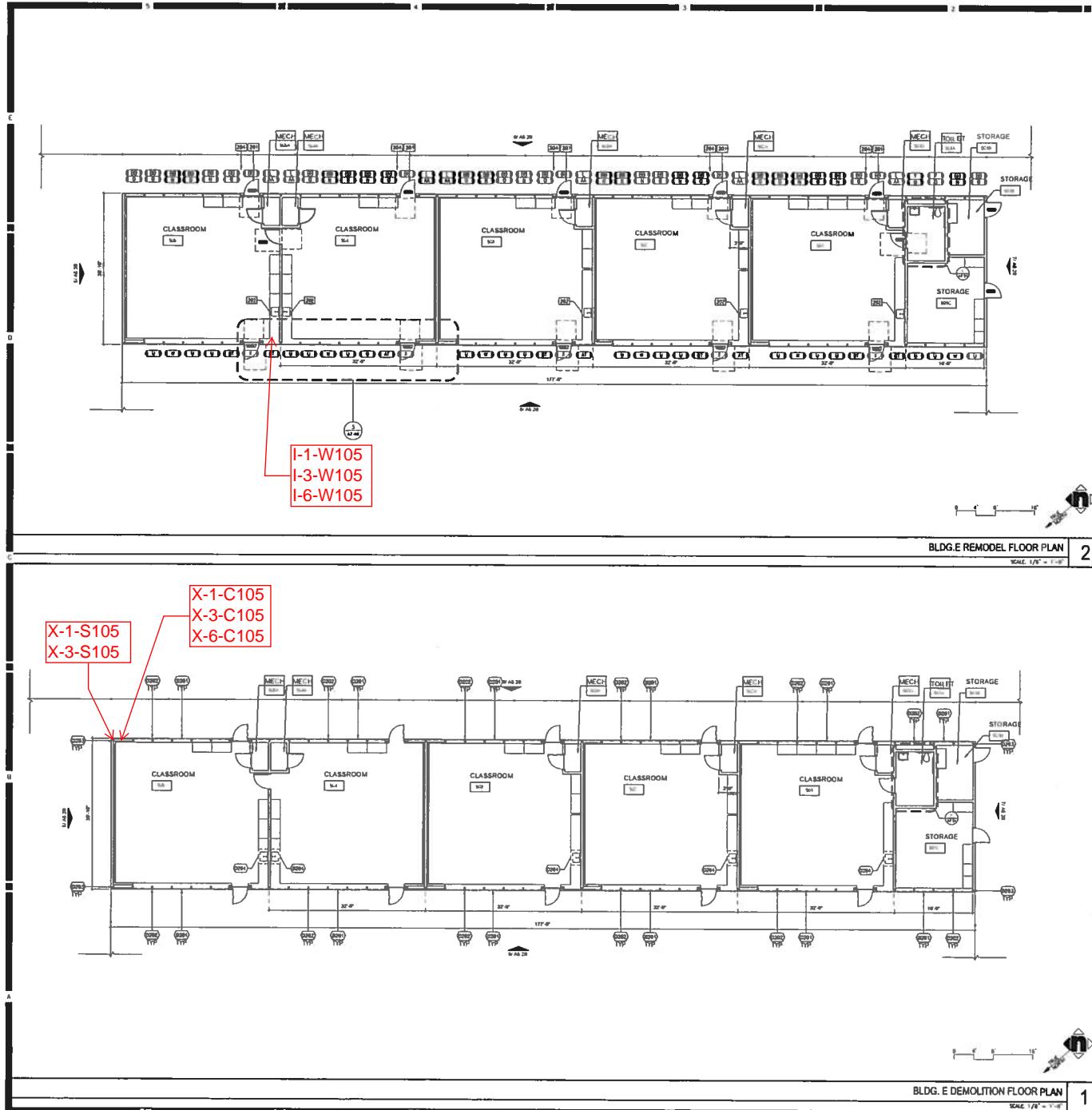
SANTA MONICA MALIBU UNIFIED SCHOOL DISTRICT
WILL ROGERS ES
2001 18th St.

No.	Depot Register	Date	No.	Description	Date

Drawing Title: BLDG. D DEMO/REMODEL
A FLOOR PLANS

Architect & Seal	Designed: MB	Project No. J446017-000
	Drawn: BT,RD	Scale: 1/8" = 1'-0"
	Drawn: MB	Drawing No. AD2.1
	Date: 09-02-16	

DSA SUBMITTA



REMODEL NOTES

HMC Architects

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T 213.642.6200 / news@bloomberg.com

FLOOR PLAN REMODEL KEYNOTES

1. HAZARDOUS MATERIALS TO BE ABATED AND PROPERTY DISPOSED OF ACCORDING TO DISTRICT'S REPORT AND GUIDELINES. ALL MATERIALS RELATED TO ASBESTOS ARE TO BE REMOVED AND DISPOSED OF.
 2. FOR TYPICAL SYMBOLS AND REQUIREMENTS REFER TO SHEET 6.18.
 3. CONTRACTOR IS TO PATCH/REPAIR DAMAGED PLASTER/DRYWALL AS REQUIRED.
 4. FLUORURATE AT MECHANICAL JOINTS TO REMAIN
 5. COMPONENT REMAINING IN BLOCKS IS TO BE PROTECTED IN PLACE.
 6. SEE FRITCH SPECIALE #41 FRIFF FRITCH HIPS, LEGGED & COLOR
 7. ALL ROOM CONFIGURATION FACTORY SPECIALE IS TO CURRENT CODE & WOOD AD STANDARDS (EXCEPT AS NOTED).



STATEMENT OF HAZARDOUS MATERIALS

IF THE CONTRACTOR ENCOUNTERS A HAZARDOUS MATERIAL OR SUBSTANCE NOT IDENTIFIED BY THE HAZARDAS MATERIAL REPORT OR IN A CORRECTED CORRESPONDENCE, THE CONTRACTOR SHALL NOTIFY THE OWNER IMMEDIATELY, IMMEDIATELY STOP WORK IN THE AFFECTED AREA AND REPORT THE CONDITION TO THE OWNER AND ARCHITECT IN WRITING.

UNLESS OTHERWISE PROVIDED IN THE CONTRACTOR'S WRITTEN NOTICE, THE OWNER SHALL OBTAIN THE SERVICES OF A LICENSED ASSESSOR TO VERIFY THE PRESENCE OR ABSENCE OF THE MATERIAL OR SUBSTANCE REPORTED BY THE CONTRACTOR. IF, DURING THE EVENT SUCH MATERIAL OR SUBSTANCE IS FOUND TO BE PRESENT, THE CONTRACTOR MAY RECOMMEND ACTIONS TO TAKE IF IT IS TO BE MAINTAINED AND REMOVED HARMLESSLY.

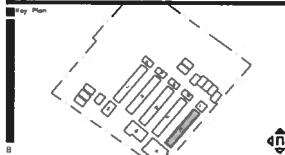
WHEN THE MATERIAL OR SUBSTANCE HAS BEEN ASSESSED AND RENDERED HARMLESS, THE CONTRACTOR SHALL NOTIFY THE OWNER AND ARCHITECT IN WRITING AGREEMENT OF THE OWNER AND CONTRACTOR.

DEMOLITION NOTES

- GENERAL CLAIMS.** GENERAL CLAIMS FOR DEMO REQUIREMENTS & COORDINATION
 - DECONTRACTOR MAY LEAVE LIPSTICK SWALLOWS BUT NOT LIMPED TO THE GROUND. REFERENCES ON CONSTRUCTION DOCUMENTS. DEMONSTRATION EXTENT SHALL ALSO INCLUDE ANY AND ALL OTHER ITEMS NECESSARY TO DETERMINE THE TRUE EXTENT OF DEMOLITION OR DECONTRACTOR'S LIABILITY FOR DEMOLITION. CONTRACTOR SHALL NOT BE LIABLE FOR THE EXPENSES OF DEMOLITION OR DECONTRACTOR'S LIABILITY FOR DEMOLITION TO DETERMINE THE TRUE EXTENT OF DEMOLITION OR DECONTRACTOR'S LIABILITY.
 - CONTRACTOR IS TO PAINT/REPAIR ALL SURFACES DAMAGED (DURING CONSTRUCTION) DUE TO THE ACTIVITIES OF THE DEMOLITION WORK TEAM TO CFC 781 PREPARATIONS FOR ADDITIONAL INFORMATION).
 - CONTRACTOR IS TO CAREFULLY REMOVE AND SAVE ALL RE-INSTALLABLE EQUIPMENT FROM THE DEMOLITION SITE. CONTRACTOR IS TO RELOCATE OTHER EQUIPMENT, FURNITURE, MACHINERY, AND WOODWORKS SHALL BE RE-LOCATED IN SAME LOCATION UNLESS DIRECTED OTHERWISE.
 - ACTIVITIES INVOLVING PAID CHARISTS IS TO REMAIN IN PEACE & IS TO BE UNDISRUPTED.

FLOOR PLANS REMOVED FROM LISTINGS

- REMOVE AND REPLACE WINDOW AND SURROUNDING MATERIALS
 - REMOVE ALL INSTANCES 2X24 T-ANGLE DIRECTLY IN FRONT OF COLUMNS
 - REMOVE ALL STEEL ANGLE CLIPS AT END OF WINDOW BAY
 - REMOVE 1/2" GLASS & ASSOCIATED FITTINGS/PYTTING, SWIMMER Counter & BACKSPLASH TO ALLOW FOR 36" CLEARANCE AREA - SEE DETAIL #1/17/02
 - REMOVE 1/2" CLAWING & STOPS. LEAVE ALL OTHER 40000 UNDISTURBED.
 - REMOVE 1/2" SWIM & CASEWORK

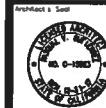


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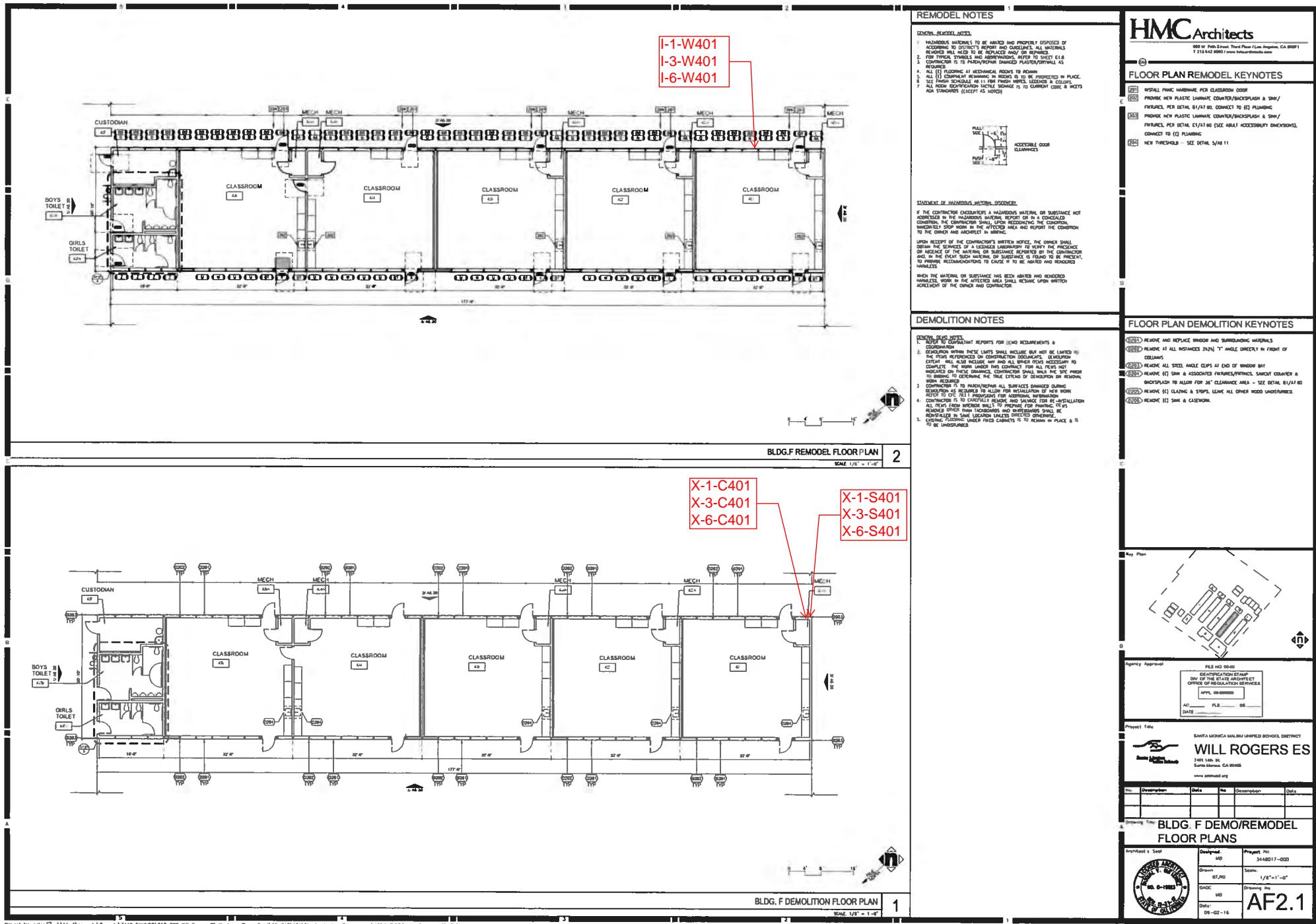
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WILL ROGERS ES
2001 14th St

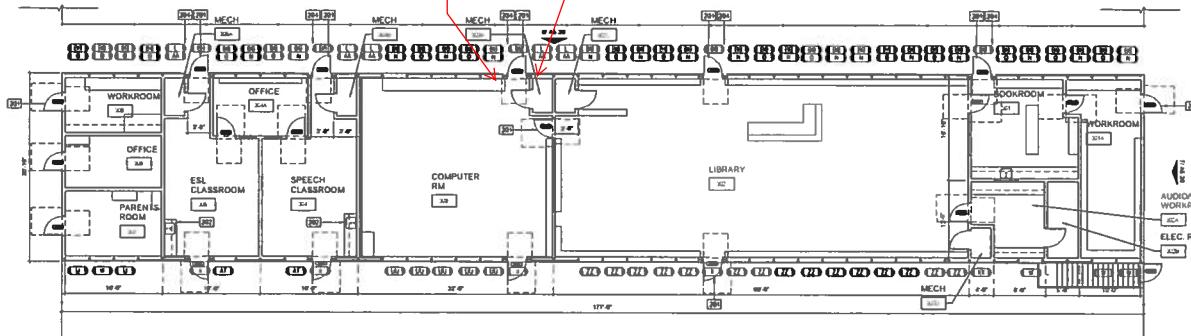
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**BLDG. E DEMO/REMODEL
FLOOR PLANS**



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I-3-C303
I-6-C303

I-1-W303
I-3-W303
I-6-W303

REMODEL NOTES

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FLOOR PLAN REMODEL KEYNOTES

- GENERAL REMOVAL NOTES:

 1. HAZARDOUS MATERIALS TO BE ARMED AND PROPERTY DISPOSED OF ACCORDING TO DISTRICT'S REPORT AND GUIDELINES. ALL MATERIALS REMOVED WILL NEED TO BE REPLACED AND/OR REPAIRED.
 2. FOR TYPEFACE SYMBOLS AND ABBREVIATIONS, REFER TO SHEET #1.18
 3. DOCUMENTS ARE TO BE PRINTED ON PAPER PREVIOUSLY CHANGED PLASTER/INTLALL AS REQUIRED.
 4. ALL [REDACTED] FLOORING AT REMOVAL LOCATIONS.
 5. ALL FLOORING IS TO BE REMOVED AND RELOCATED AS PREDICTED IN PLACE.
 6. SEE FLOOR SCHEDULE AB 11 FOR FINISH MATICS, LEGENDS & COLORS.
 7. ALL ROOM EQUIPMENT/FIXTURE SURFACE IS TO CURRENT CODE & MEA ADA STANDARDS (EXCEPT AS NOTED).



STATEMENT OF HAZARDOUS MATERIALS

IF THE CONTRACTOR ENCOUNTERS A HAZARDOUS MATERIAL OR SUBSTANCE NOT ADDRESSED IN THE HAZARDOUS MATERIAL REPORT OR IN A CONCEALED CONDITION, THE CONTRACTOR SHALL, UPON RECOGNIZING THE CONDITION, IMMEDIATELY STOP WORK IN THE AFFECTION AREA AND REPORT THE CONDITION TO THE OWNER AND ARCHITECT IN WRITING.

UPON RECEIPT OF THE CONTRACTOR'S WRITTEN NOTICE, THE OWNER SHALL
OBTAIN THE SERVICES OF A LICENSED LABORATORY TO VERIFY THE PRESENCE
OR ABSENCE OF HAZARDOUS MATERIALS OR SUBSTANCES IN THE CONTRACTOR'S
AREA. AND, IN THE EVENT SUCH MATERIAL OR SUBSTANCE IS FOUND TO BE PRESENT,
TO PROVIDE RECOMMENDATIONS TO CAUSE IT TO BE ABATED AND RENDERED
HARMLESS.

WHEN THE MATERIAL OR SUBSTANCE HAS BEEN ABATED AND RENDERED
HARMLESS, WORK IN THE AFFECTED AREA SHALL RESUME UPON WRITTEN
AGREEMENT OF THE OWNER AND CONTRACTOR.

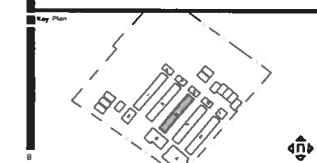
DEMOLITION NOTES

- GENERAL DEMO CHECKLIST**

 1. REFER TO CONTRACTOR'S REPORTS FOR DEMO REQUIREMENTS & APPROVALS.
 2. DEMOLITION WORK THESE LIMITS SHALL INCLUDE BUT NOT BE LIMITED TO THE REMOVAL OF EXISTING ROOFING, EXISTING INSULATION, EXISTING SHEATHING, EXISTING GUTTER, AND ALL OTHER ITEMS NECESSARY TO COMPLETE THE WORK UNDER THIS CONTRACT FOR ALL FLOORS NOT IDENTIFIED AS EXEMPT. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXACT EXTENT OF DEMOLITION OR REMOVAL.
 3. CONTRACTOR IS TO PATCH/REPAIR ALL SURFACES DAMAGED DURING DEMOLITION AS REQUIRED TO ALLOW FOR INSTALLATION OF NEW ROOFING, SHEATHING, INSULATION, AND GUTTER.
 4. CONTRACTOR IS TO CAREFULLY REMOVE AND SALVAGE FOR RE-INSTALLATION ALL PEX FROM EXTERIOR WALLS TO PREVENT DAMAGE. PEX'S ARE TO BE RELOCATED TO ANOTHER LOCATION IF THEY CANNOT BE REMONTHILLED IN SAME LOCATION UNLESS DIRECTED OTHERWISE.
 5. CONTRACTOR IS TO LEAVE FLOOR CABINETS IN PLACE & TO BE UNLOCKED.

FLOOR PLAN REMOVAL KEYNOTES

- REMOVE AND REPLACE WINDOW AND SURROUNDING MATERIALS
 - REMOVE AT ALL INSTANCES 21/34" T ANGLE DIRECTLY IN FRONT OF COLUMNS
 - REMOVE ALL STEEL ANGLE CLIPS AT END OF WREDD BAY
 - REMOVE (5) SWR & ASSOCIATED FEATURES/PARTS - SWR SURF CENTER & BACKSPLASH TO ALLOW FOR 36" CLEARANCE AREA - SEE DETAIL B1/A2
 - REMOVE (5) GLAZING & STOPS. LEAVE ALL OTHER WOOD UNDERSTRUCTURE.
 - REMOVE (5) SWR & CASEWORK



Agency Approval

Project Title
SANTA MONICA MALIBU UNITED SCHOOL DISTRICT
 WILL ROGERS ES

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A	Drawing Title	BLDG. G DEMO/REMODEL			

**BLDG. G DEMO/REMODEL
FLOOR PLANS**

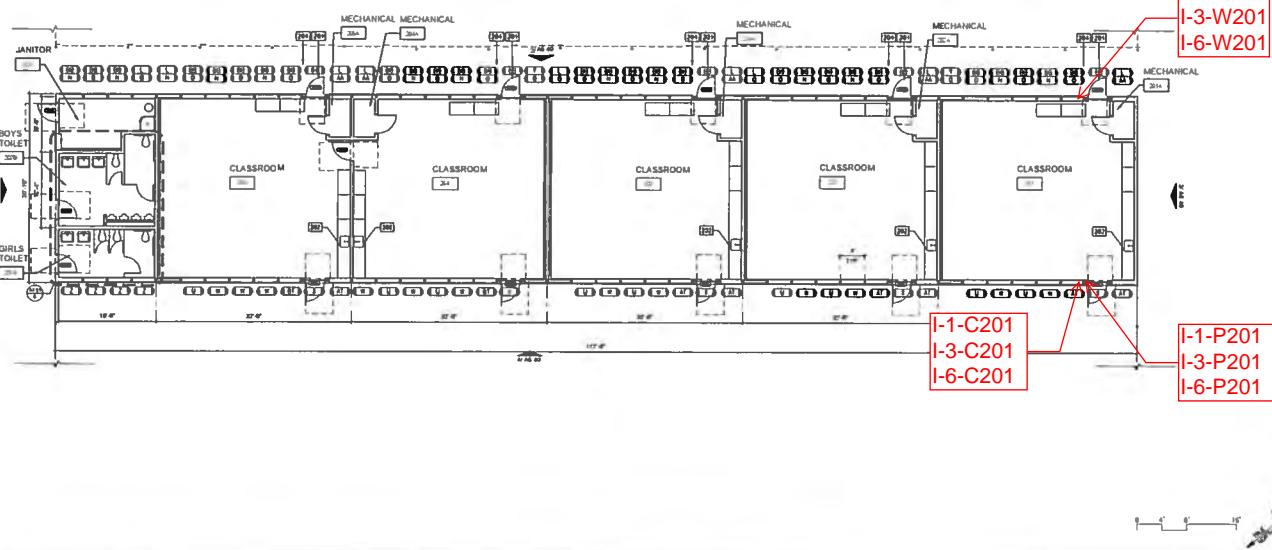


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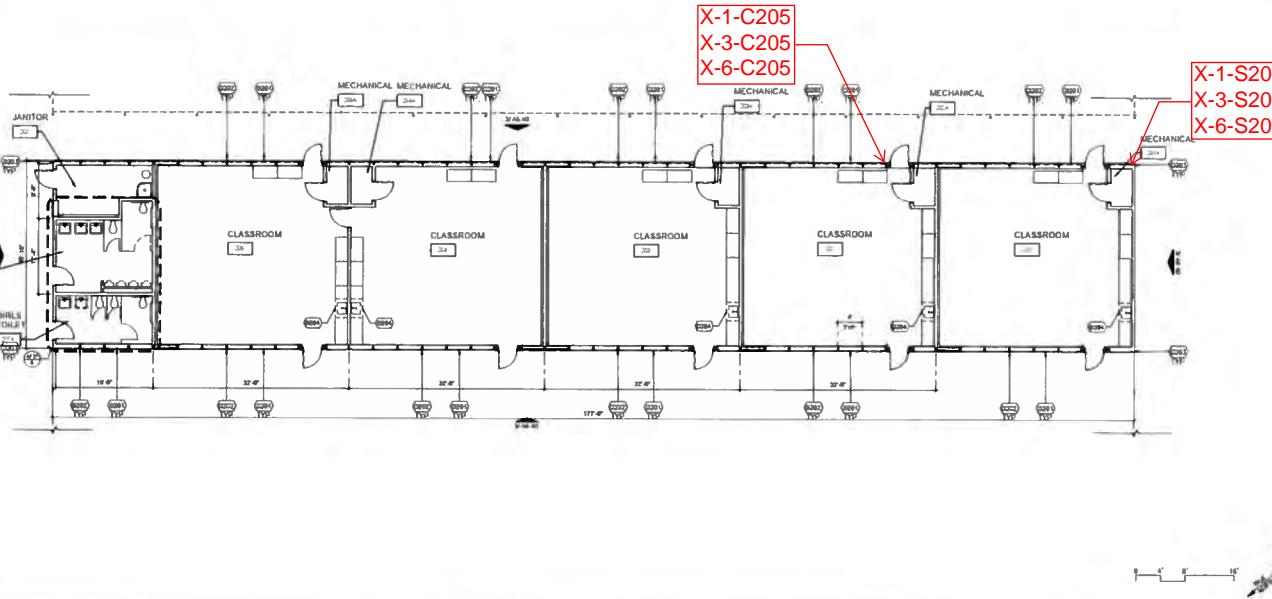
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BLDG.H REMODEL FLOOR PLAN

2



LDG. H DEMOLITION FLOOR PLAN

1

REMODEL NOTES

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FLOOR PLAN REMODEL KEYNOTES

- HAZARDOUS MATERIALS TO BE ABATED AND PROPERLY DISPOSED OF**

ACCORDING TO DISTRICT'S REPORT AND GUIDELINES. ALL MATERIALS REMOVED WILL NEED TO BE REPLACED AND/ OR REPAIRED.

FOR FURTHER INFORMATION AND EVALUATIONS, REFER TO SHEET 5/A
CONTRACTOR'S STATEMENT OF PLANS/REPAIRS/DISPOSAL AS
REQUIRING:

 1. ALL **(1)** FLOORING IN BATHROOMS, KITCHENS & PANTRY AREAS.
REPLACEMENT REMAINING IN BODIES MUST BE PREPARED IN PLACE.
 2. SEE FRESH SCHEDULE #1 FOR FRESH PAINT, LUMINACE & COLOR.
 3. ALL REPAIR EQUIPMENT/FACILE SURFACE IS TO CURRENT CODE &
ADA STANDARDS (EXCEPT AS NOTED).



STATEMENT OF HAZARDOUS MATERIAL INVENTORY

IF THE CONTRACTOR ENCOUNTERS A HAZARDOUS MATERIAL OR SUBSTANCE NOT ADDRESSED IN THE HAZARDOUS MATERIAL REPORT OR IN A CONCEALED CONDITION, THE CONTRACTOR SHALL, UPON RECOGNIZING THE CONDITION, IMMEDIATELY STOP WORK IN THE AFFECTED AREA AND REPORT THE CONDITION TO THE OWNER AND ARCHITECT IN WRITING.

UPON RECEIPT OF THE CONTRACTOR'S WRITTEN NOTICE, THE OWNER SHALL OBTAIN THE SERVICES OF A LICENSED LABORATORY TO VERIFY THE PRESENCE

OR ABSENCE OF THE MATERIAL OR SUBSTANCE REPORTED BY THE CONTRACTOR AND, IN THE EVENT SUCH MATERIAL OR SUBSTANCE IS FOUND TO BE PRESENT, TO ARRANGE ACCOMMODATIONS TO CAUSE IT TO BE ABATED AND RENDERED HARMLESS.

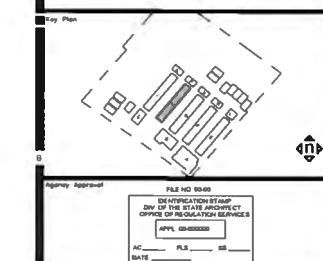
WHICH THE MATERIAL OR SUBSTANCE HAS BEEN ABATED AND RENDERED HARMLESS, WORK IN THE AFFECTED AREA SHALL RESTORE UPON WRITTEN AGREEMENT OF THE OWNER AND CONTRACTOR.

DEMOLITION NOTES

FLOOR PLAN DEMOLITION KEYNOTES

- DEMO, DEMO NOTES:**

 1. REFER TO COMPANIES REPORTS FOR DEMO REQUIREMENTS & CONSIDERATIONS.
 2. DEMOLITION OF THESE WALLS SHALL INCLUDE BUT NOT BE LIMITED TO THE REMOVAL OF ALL EXISTING PLASTER, PAINT, AND SPACKLE. REMOVAL OF EXISTING WALLS ALSO INCLUDES ANY AND ALL OTHER REQUIREMENTS TO COMPLETE THE DEMO UNDER THIS CONTRACT FOR ALL ITEMS NOT INCLUDED IN THE LISTED REQUIREMENTS. THIS INCLUDES THE PRECISE BORING TO DETERMINE THE TRUE EXTENT OF DEMOLITION OR REMOVAL OF WALLS REQUIRED.
 3. DEMOLITION IS TO PAPER/PATCH ALL SURFACES DAMAGED DURING DEMOLITION AS REQUERED TO ALLOW FOR INSTALLATION OF NEW WORK AND TO PREVENT WATER PENETRATION.
 4. CONTRACTOR IS TO CAREFULLY REMOVE AND SALVAGE FOR RE-INSTALLATION ALL ITEMS FROM WARDROBE WALLS TO PREPARE FOR PLANTING ITEMS RELOCATED FROM THE ORIGINAL LOCATION. THESE ITEMS ARE TO BE REHANGED IN SAME LOCATION UNLESS DEMO IS ORDERED OTHERWISE.
 5. NO DEMO IS TO BE UNDERTAKEN UNTIL CABINETS ARE IN PLACE & IS FOR LANDSCAPE USE.



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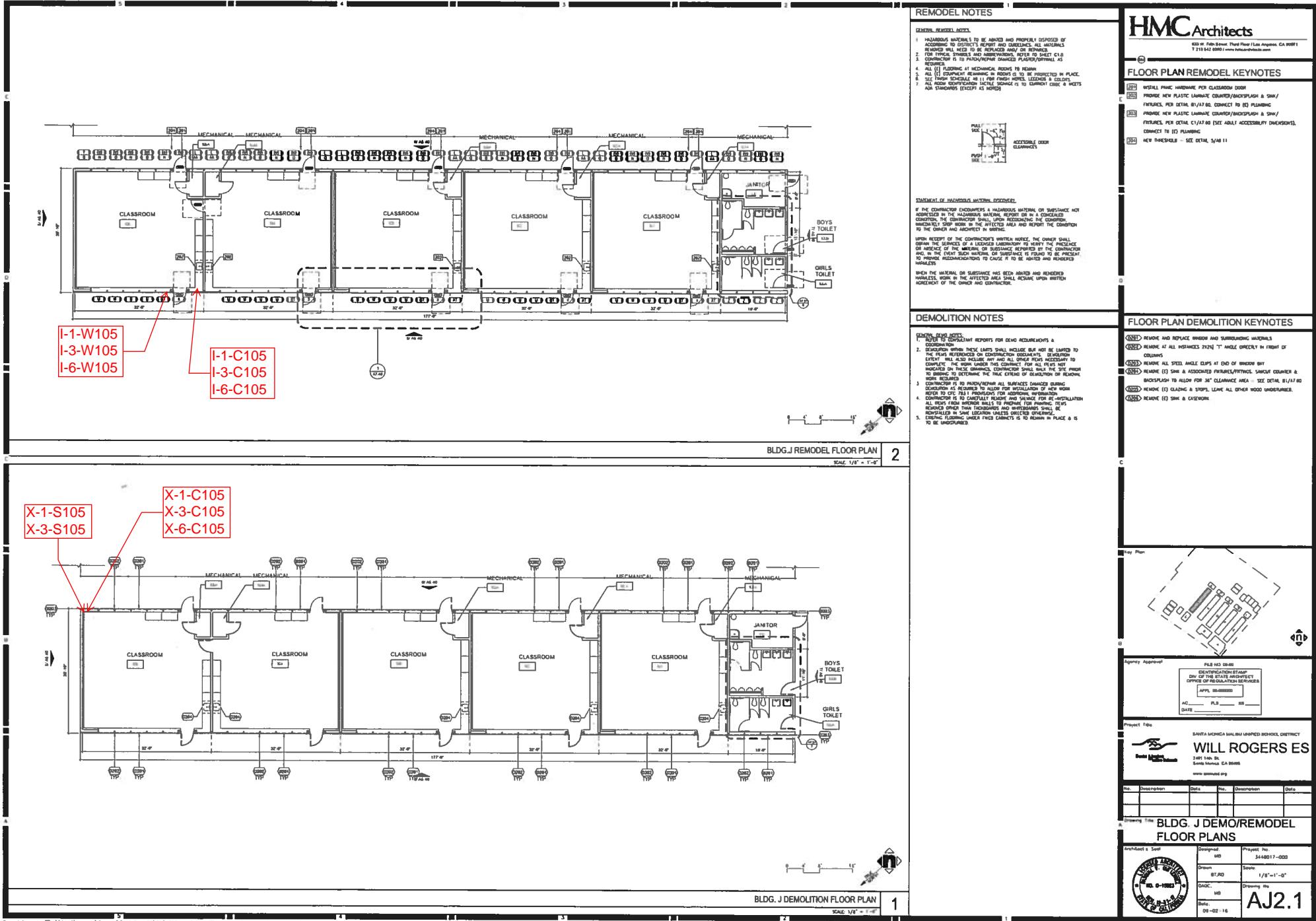
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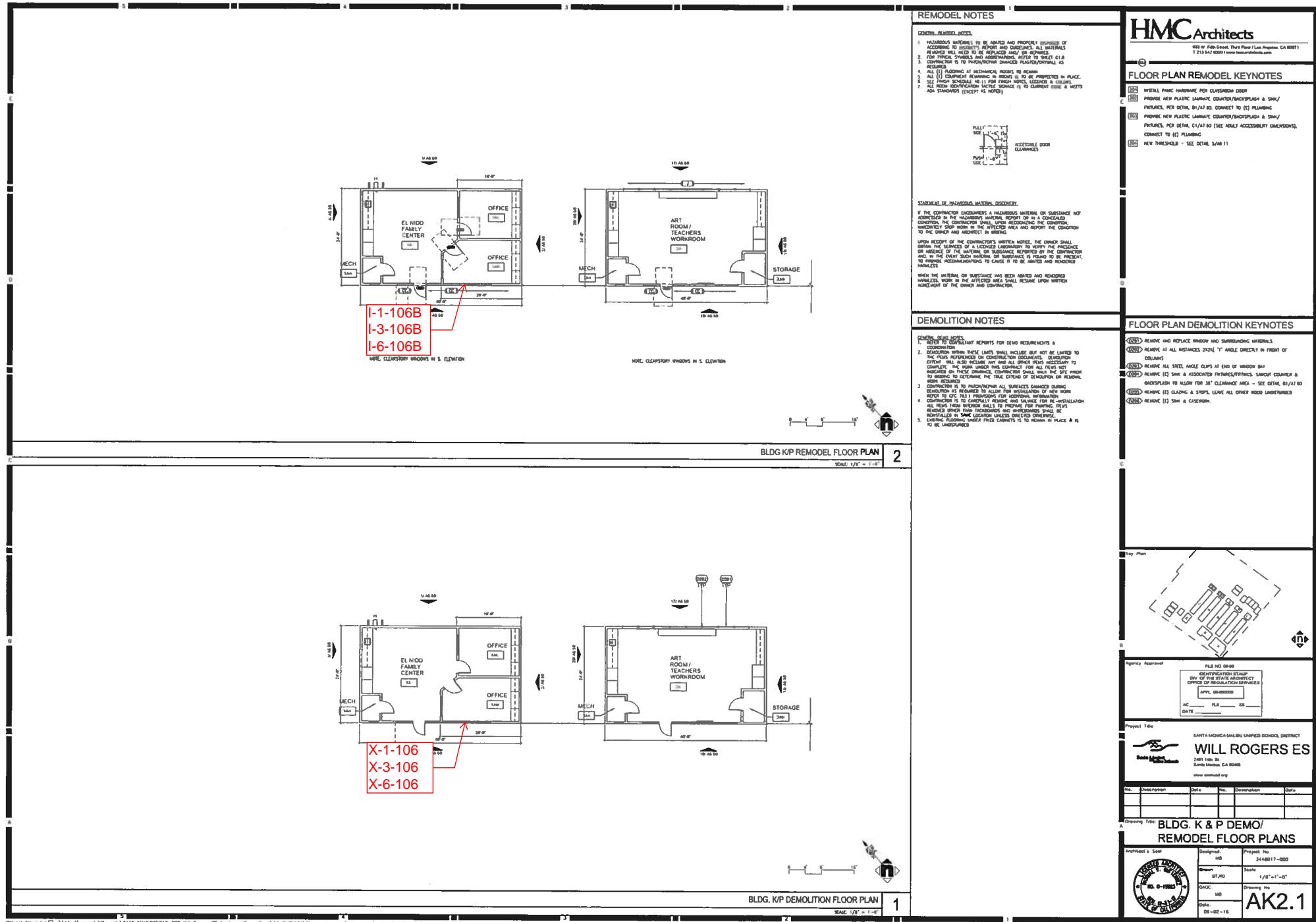
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WILL ROGERS ES

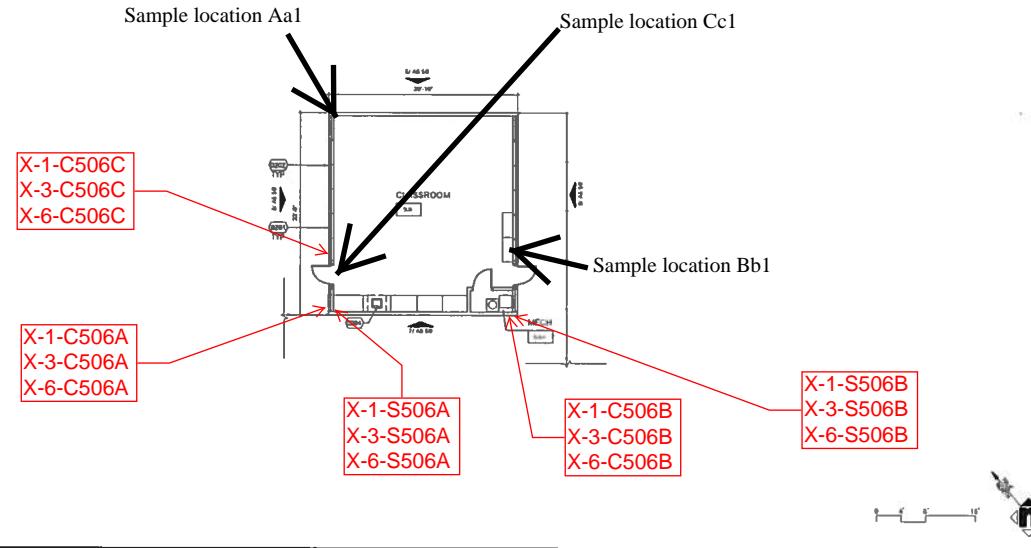
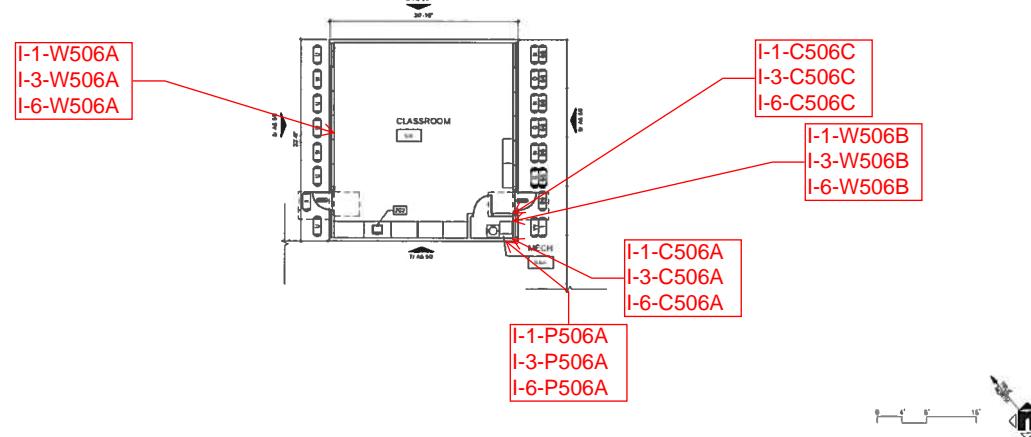
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Drawing Title: BLDG. H DEMO/REMODEL
A FLOOR PLANS

Architect's Seal	Designed by ID	Project No. 3448017-000
	Drawn by STRD	Scale 1/8" = 1'-0"
	QAQC by ID	Drawing No. AH2.1
	Date 09-02-16	







REMODEL NOTES

HMC Architects

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FLOOR PLAN REMODEL KEYNOTES

- GENERAL REMARKS INDEX**

 - 1. HAZARDOUS MATERIALS TO BE AVOIDED AND PROPERLY DISPOSED OF ACCORDING TO DISTRICT'S REPORT AND GUIDELINES. ALL MATERIALS REMOVED WILL NEED TO BE REPAVED AND/OR REPAINTED.
 - 2. FURNISH & INSTALL ALL EXTERIOR DOORS, DOOR FRAMES & SWING GATE CONTRACTOR IS TO PROTECT DAMAGED PLASTIC/GROUT/WALL AS NECESSARY.
 - 3. ALL #1 FLOORING AT MECHANICAL ROOMS TO REMAIN.
 - 4. ALL EXISTING EQUIPMENT REMAINING IN BLDGS IS TO BE PRESERVED IN PLACE.
 - 5. SEE FLOOR SCHEDULE #1 FOR FINISH HOMES, LADDERS & COLOR.
 - 6. ALL ROOF REPAIRS/LEAKS/TILE SURFACE IS TO CURRENT CODE & MEETS ADA STANDARDS (EXCEPT AS NOTED).



STATEMENT OF HAZARDOUS MATERIALS

IF THE CONTRACTOR DETERMINES A HAZARDOUS MATERIAL OR SUBSTANCE NOT
ADRESSED IN THE HAZARDOUS MATERIALS REPORT OR IN A CANCELLLED
COMMUNICATION, THE CONTRACTOR SHALL PREPARE A HAZARDOUS MATERIALS
REPORT IMMEDIATELY AND SEND IT TO THE OWNER AND ARCHITECT. THIS REPORT
SHALL BE PREPARED BY AN INDIVIDUAL WHO IS QUALIFIED TO DETERMINE
IMMEDIATELY WHETHER THE MATERIAL OR SUBSTANCE IS HAZARDOUS.
UPON RECEIPT OF THE HAZARDOUS MATERIALS REPORT, THE OWNER SHALL
NOTIFICATION OF A LICENSED ENGINEER TO VERIFY THE PRESENCE
OR ABSENCE OF THE MATERIAL OR SUBSTANCE REPORTED BY THE CONTRACTOR
AND TO DETERMINE WHETHER THE MATERIAL OR SUBSTANCE IS HAZARDOUS.
TO PREVENT RECOMMENDATIONS TO CAUSE IT TO BE ASKED AND RENDERED
HARMLESS.

WHEN THE MATERIAL OR SUBSTANCE HAS BEEN ASKED AND RENDERED
HARMLESS, THE CONTRACTOR SHALL PREPARE A HAZARDOUS MATERIALS
REPORT IMMEDIATELY AND SEND IT TO THE OWNER AND ARCHITECT. THIS REPORT
SHALL BE PREPARED BY AN INDIVIDUAL WHO IS QUALIFIED TO DETERMINE
IMMEDIATELY WHETHER THE MATERIAL OR SUBSTANCE IS HAZARDOUS.

DEMOLITION NOTES

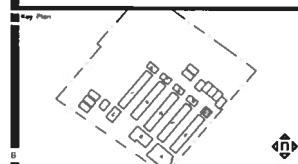
FLOOR PLAN REMOVAL KEYNOTES

- GENERAL DEMO NOTES:**

 1. REFER TO CONTRACTOR REPORTS FOR DEMO REQUIREMENTS & CONDITIONS OF EXISTING STRUCTURE.
 2. DEMOLITION WHERE THESE LIMITS SHALL INCLUDE, BUT NOT BE LIMITED TO THE REMOVAL OF EXISTING ROOFING, SHEATHING, INSULATION, AND EXHAUST. IT WILL ALSO REMOVE ANY AND ALL OTHER ITEMS NECESSARY TO COMPLETE THE WORK UNDER THIS CONTRACT FOR ALL ITEMS NOT LISTED IN THE CONTRACT. THE CONTRACTOR IS RESPONSIBLE FOR PAVING TO GRADE TO DETERMINE THE EXACT EXTENT OF DEMOLITION OR REMOVAL WORK.
 3. CONTRACTOR TO REPAIR/REPAIR ALL SURFACE DAMAGED DURING DEMOLITION. CONTRACTOR IS NOT RESPONSIBLE FOR THE COST OF NEW WOOD. REFER TO CFC #1 FOR PAYMENT FOR ADDITIONAL MATERIALS.
 4. CONTRACTOR IS TO GENTLYLY REMOVE AND SALVAGE FROM RE-INSTALLATION ALL REUSABLE MATERIALS. CONTRACTOR IS NOT RESPONSIBLE FOR REMOVING DAMAGED OR FAULTY MATERIALS AND WOODWORKS SHALL BE RE-INSTALLED BY THE LEASOR/LESSOR UNLESS DIRECTED OTHERWISE.
 5. EXISTING FLOORING, UNLESS FLOOR CARPETS IS TO REMAIN IN PLACE & IS TO BE UNDERCARDED.

DEMOLITION

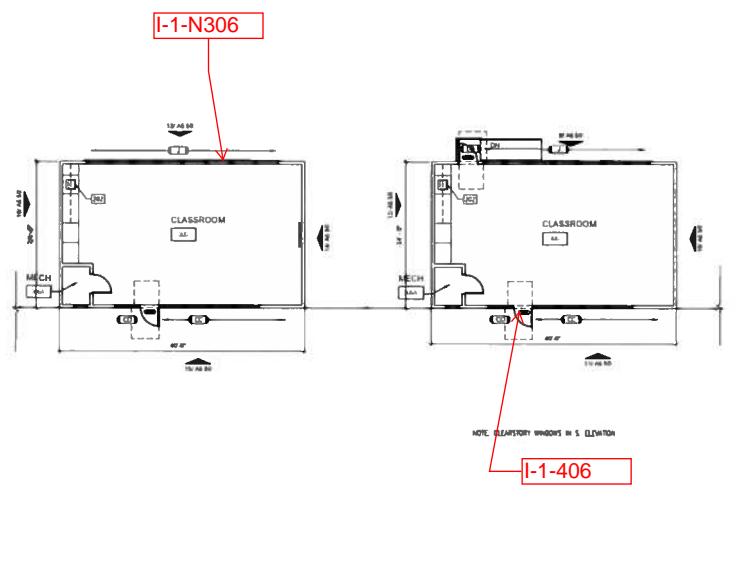
 1. REMOVE AND REPLACE WINDOW AND SURROUNDING MATERIALS.
 2. REMOVE AT ALL INSTRUCTIONS 22X4" T ANGLE DIRECTLY IN FRONT OF COLUMNS.
 3. REMOVE ALL STEEL ANGLE CLIPS AT END OF WINDOW BAY.
 4. REMOVE (1) SASH & ASSOCIATED FRAMING/PINTLES. SWING OUTWARD.
 5. BACKSPASH TO ALLOW FOR 3' CLEARANCE AREA - SEE DETAIL 8/1/2011.
 6. REMOVE (1) STAIR & TRIM, LEAVE ALL CROWN WOOD UNDISTURBED.
 7. REMOVE (1) SASH A CASEMENT.



IDENTIFICATION STAMP		
DIV. OF THE STATE ARCHITECT		
OFFICE OF REGULATION & REVIEW		
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DATE _____		

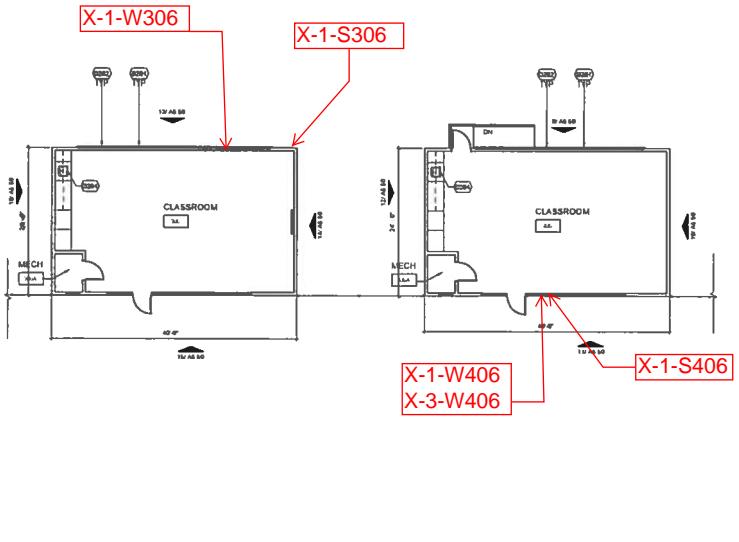
Hip	Dormer/return	Date	Ind.	Description	Date's
Drawing No. BLDG. L DEMO/REMODEL FLOOR PLANS					
Architect & Seal		Drawn	Project No. 3448017-000		
		Seal			
S. L. G. - 1982		Drawn	1/8" = 1'-0"		
State of California		ST. RD.			
DODC:		DAOC:	Drawing No.		
MB		MB			
Date		09-02-18	AL2.1		

DSA SUBMITTAL



BLDG M/N REMODEL FLOOR PLAN

2



BLDG. M/N DEMOLITION FLOOR PLAN

6

REMODEL NOTES

HMC Architects

633 W. Fifth Street, Third Floor / Los Angeles, CA 90017
T 213-642-6300 / www.ResearchBooks.com

FLOOR PLAN REMODEL KEYNOTES

- CONSTRUCTION NOTES:**

 - HAZARDOUS MATERIALS WILL BE ABATED AND PROPERLY DISPOSED OF ACCORDING TO DISTRICT'S REGULATIONS AND GUIDELINES. ALL MATERIALS REMOVED WILL NEED TO BE REPLACED AND/OR REPAINTED.
 - FOR TYPICAL SYMBOLS AND ABBREVIATIONS, REFER TO SHEET 11 C & D.
 - CONTRACTOR IS TO PAY FOR REPAIRS FOR DAMAGED PLASTER/STUCCO AS REQUIRED.
 - ALL EXISTING MECHANICALS, ROOFING, ROOFING MEMBRANES, ETC., ARE TO BE MAINTAINED IN EXCELLENT CONDITION AND PREPARED IN PLACE.
 - SEE FINISH SCHEDULE AS 11 MM FINISH PLASTER, ETC.
 - ALL ROOM IDENTIFICATION VISIBLE STICKAGE IS TO CURRENT CODE & MEETS AGA STANDARDS (EXCEPT AS NOTED).



STATEMENT OF HAZARDOUS MATERIAL DISPOSAL

IF THE CONTRACTOR ENCOUNTERS A HAZARDOUS MATERIAL OR SUBSTANCE NOT ADDRESSED IN THE HAZARDOUS MATERIAL REPORT OR IN A CONCEALED CONDITION, THE CONTRACTOR SHALL, UPON RECOGNIZING THE CONDITION, IMMEDIATELY STOP WORK IN THE AFFLICTED AREA AND REPORT THE CONDITION TO THE OWNER AND ARCHITECT IN WRITING.

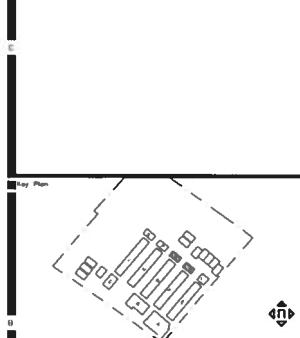
UPON RECEIPT OF THE CONTRACTOR'S WRITTEN NOTICE, THE OWNER SHALL
OBTAIN THE SERVICES OF A LICENSED LABORATORY TO VERIFY THE PRESENCE
OR ABSENCE OF THE MATERIAL OR SUBSTANCE REPORTED BY THE CONTRACTOR
AND, IN THE EVENT SUCH MATERIAL OR SUBSTANCE IS FOUND TO BE PRESENT,
TO PROVIDE RECOMMENDATIONS TO CAUSE IT TO BE ABATED AND REMOVED
HARMLESS.

DEMOLITION NOTES

FLOOR PLAN REMOVAL KEYNOTES

- GENERAL DEMO NOTES:**

 1. REFER TO COMPILATION REPORTS FOR DEMO REQUIREMENTS & CONTRACTOR'S DEMO POLICIES.
 2. DEMOLITION WORK THESE LIGHTS SHALL INCLUDE BUT NOT LIMITED TO THE EXTERIOR LIGHTING SYSTEMS. THE CONTRACTOR SHALL TO THE EXTENT WILL ALSO INCLUDE ANY AND ALL OTHER ITEMS NECESSARY TO COMPLETE THE WORK UNDER THIS CONTRACT FOR ALL ITEMS NOT IDENTIFIED IN THE DEMO REQUIREMENT REPORTS, THE CONTRACTOR SHALL PRIOR TO BIDDING TO DETERMINE THE TRUE EXTENT OF DEMOLITION REQUIRED.
 3. CONTRACTOR IS TO PAINT/REFINISH ALL SURFACES DAMAGED DURING DEMOLITION WORK. CONTRACTOR IS TO REPAIR ALL CRACKS IN NEW YORK REFER TO CPC 383 FOR REQUIREMENTS FOR ADDITIONAL INFORMATION.
 4. CONTRACTOR IS TO CAREFULLY REMOVE AND RE-INSTALLATION OF EXISTING PLUMBING, ELECTRICAL, AND MECHANICAL SYSTEMS. REMOVED EXISTING PLUMBING, ELECTRICAL, AND MECHANICAL SYSTEMS SHALL BE RELOCATED AS PER LEGAL ORDERS DIRECTED BY DEMO CONTRACTOR.
 5. EXISTING PLUMBING, ELECTRICAL CABLES, AND WIRES SHALL BE LEFT IN PLACE & IS UNDESTRUCTED.



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SANTA MONICA MALIBU UNIFIED SCHOOL DISTRICT
WILL ROGERS ES
2401 14th St.
Santa Monica, CA 90405

Permit No.	Description	Date Iss.	Description	Date Iss.
Drawing Title: BLDG. M & N DEMO/ REMODEL FLOOR PLANS				
Architect's Seal		Drawing No. Project No. M-17 344617-1-000		
 RE. S. 1983		Scale: 1'-0" = 1'-0"		
		CHMC	M-17	Drawing No.
		Date:	02-02-18	AM2.1

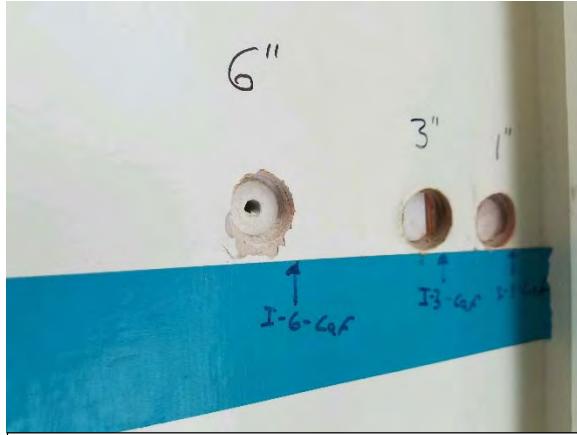
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Draft

Appendix D

Photographs

BUILDING A



Interior Cafeteria: I-1-CAF, I-3-CAF, I-6-CAF-
Photo 1



Exterior Cafeteria: X-1-CAF,
X-3-CAF, X-6-CAF-Photo 2

BUILDING B



Interior Women Restroom:
I-1-W706, I-3-W706-Photo 3

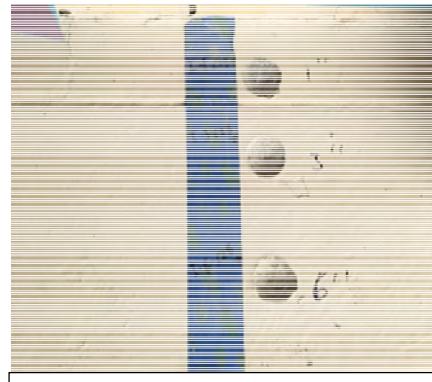


Exterior Women Restroom:
X-1-706, X-3-706, X-6-706-
Photo 4

BUILDING D



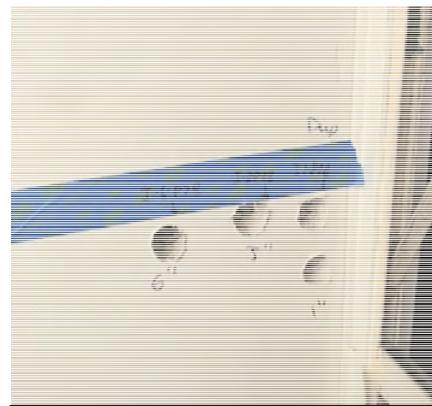
Kindergarten Classroom Interior:
I-1-C2A, I-3-C2A, I-6-C2A-Photo
5



Kindergarten Classroom Interior:
I-1-C2B, I-3-C2B, I-6-C2B-Photo 6



Kindergarten Classroom Interior:
I-1-P2A, I-3-P2A, I-6-P2A-Photo 7



Kindergarten Classroom Interior:
I-1-P2B, I-3-P2B, I-6-P2B-Photo 8

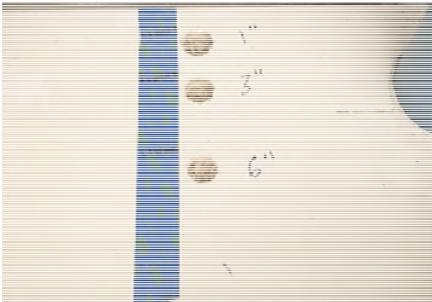


Kindergarten Classroom Exterior:
X-1-C2A, X-3-C2A, X-6-C2A
X-1-S2A, X-3-S2A, X-6-S2A
Photo 9

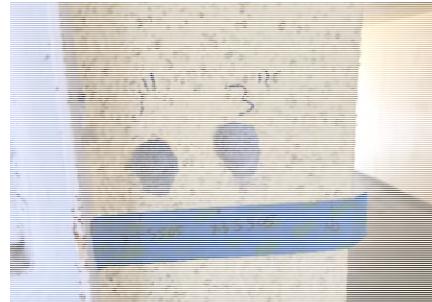


Kindergarten Classroom Exterior:
X-1-C2B, X-3-C2B, X-6-C2B
X-1-S2B, X-3-S2B, X-6-S2B-
Photo 10

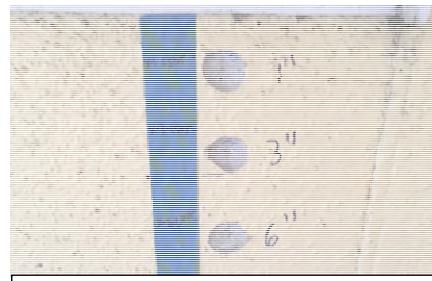
BUILDING E



Classroom 505 Interior:
I-1-W505, I-3-W505, I-6-W505-
Photo 11

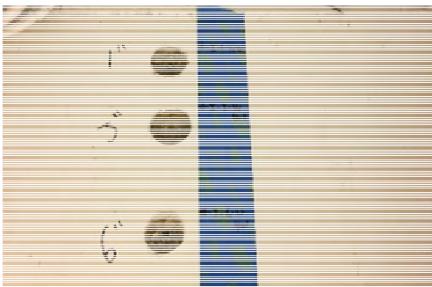


Classroom 505 Exterior:
X-1-S505, X-3-S505, X-6-S505-
Photo 12



Classroom 505 Exterior:
X-1-C505, X-3-C505, X-6-C505-
Photo 13

BUILDING F

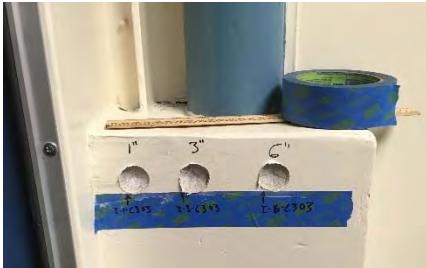


Classroom 401 Interior:
I-1-W401, I-3-W401, I-6-W401-
Photo 14

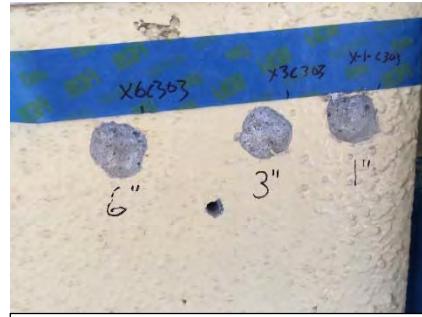


Classroom 401 Exterior:
X-1-C401, X-3-C401, X-6-C401
X-1-S401, X-3-S401-Photo 15

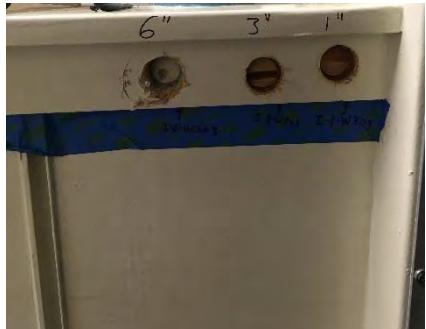
BUILDING G



Classroom 303 Interior:
I-1-C303, I-3-C303, I-6-C303-
Photo 16



Classroom 303 Exterior:
X-1-C303, X-3-C303, X-6-C303-
Photo 17



Classroom 303 Interior:
I-1-W303, I-3-W303, I-6-W303-
Photo 18

BUILDING H

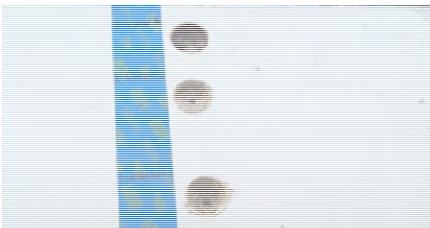


Classroom 201 Interior:
I-1-P201, I-3-P201, I-6-P201-
Photo 19



Classroom 201 Interior:
I-1-C201, I-3-C201, I-6-C201-
Photo 20

BUILDING H (CONT.)



Classroom 201 Interior:
I-1-W201, I-3-W201, I-6-W201-
Photo 21



Classroom 205 Exterior:
X-1-C205, X-3-C205, X-6-C205
X-1-S205, X-3-S205-Photo 22

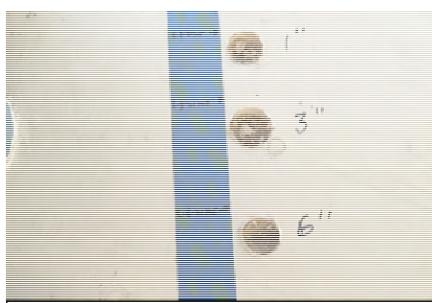
BUILDING J



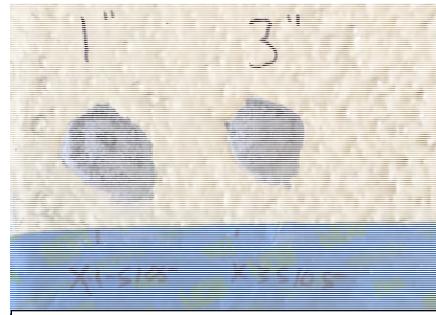
Classroom 105 Interior:
I-1-C105, I-3- C105, I-6- C105-
Photo 23



Classroom 105 Exterior:
X-1-C105, X-3- C105, X-6- C105-
Photo 24



Classroom 105 Interior:
I-1-W105, I-3-W105, I-6-W105-
Photo 25



Classroom 105 Exterior:
X-1-S105, X-3-S105-Photo 26

BUILDING K



Classroom 106B Interior:
I-1-106B, I-3-106B-Photo 27



Classroom 106B Exterior:
X-1-106, X-3-106, X-6-106-Photo 28

BUILDING L



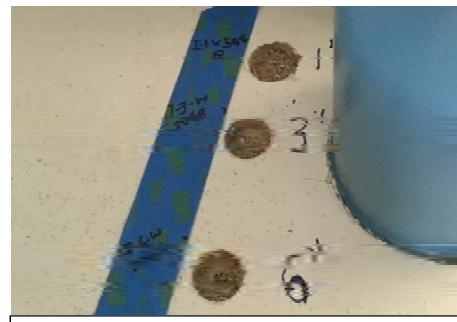
Classroom 506 Interior:
I-1-W506A, I-3-W506A,
I-6-W506A-Photo 29



Classroom 506 Interior:
I-1-C506A, I-3-C506A, I-6-C506A-
Photo 30

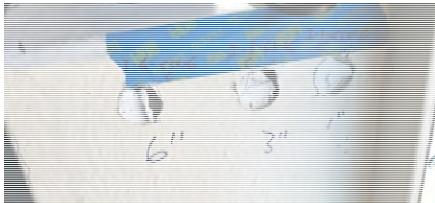


Classroom 506 Interior:
I-1-P506A, I-3-P506A,
I-6-P506A-Photo 31



Classroom 506 Interior:
I-1-W506B, I-3-W506B,
I-6-W506B-Photo 32

BUILDING L (CONT.)



Classroom 506 Interior:
I-1-C506C, I-3-C506C, I-6-C506C-
Photo 33



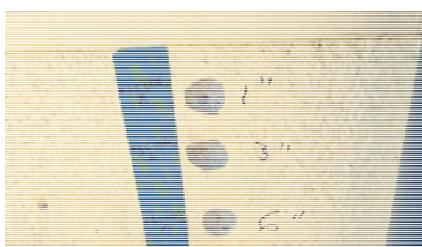
Classroom 506 Exterior:
X-1-S506B, X-3-S506B-
Photo 34



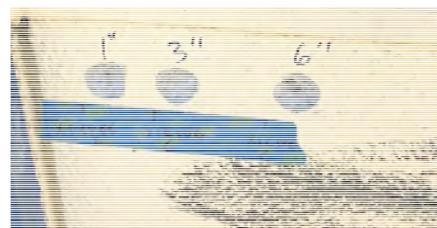
Classroom 506 Exterior:
X-1-S506A, X-3-S506A-
Photo 35



Classroom 506 Exterior:
X-1-C506B, X-3-C506B,
X-6-C506B-Photo 36

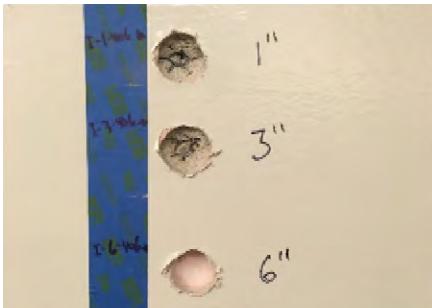


Classroom 506 Exterior:
X-1-C506A, X-3-C506A, X-6-C506A
-Photo 37

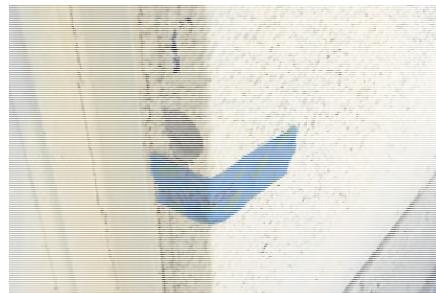


Classroom 506 Exterior:
X-1-C506C, X-3-C506C,
X-6-C506C-Photo 38

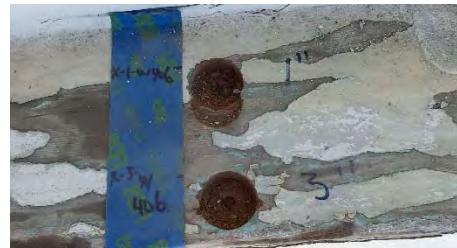
BUILDING M



Classroom 406 Interior:
I-1-406, I-3-406, I-6-406-Photo 39



Classroom 406 Exterior:
X-1-S406-Photo 40



Classroom 406 Exterior:
X-1-W406, X-3-W406-Photo 41

BUILDING N



Classroom 306 Interior:
I-1-N306, I-3-N306, I-6-N306-
Photo 42



Classroom 306 Exterior:
X-1-W306, X-3-W306
X-1-S306-Photo 43-Photo 43

BUILDING E



Classroom 501 Interior:
I-1-501
Photo 44



Classroom 501 Exterior:
I-1-506
Photo 45

Building D



Classroom Kindergarten
Interior:
I-1-2C
No Photo Taken

Classroom Kindergarten
Exterior:
X-1-2C
Photo 46