# LBH COMMERCIAL REAL ESTATE 501 CHESTNUT RIDGE ROAD #310 SPRING VALLEY, NY 10977

# ENVIRONMENTAL SAMPLING C&D TECHNOLOGIES BUILDING 430 ROUTE 209 HUGUENOT, NY 12746 on February 10, 2020

PREPARED BY:



50 JERICHO QUADRANGLE, SUITE 117 JERICHO, NY 11753 (516) 621-2900

J.S. HELD PROJECT No. 20011437

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#### 1.0 INTRODUCTION AND BACKGROUND

J.S. Held LLC (J.S. Held) was retained by LBH Real Estate (LBH) to provide a limited hazard assessment for three target metals (barium, cadmium and lead), polychlorinated biphenyls (PCB), fluoride, asbestoscontaining materials (ACM) and lead-based paint (LBP) within the former C&D Technologies building (C&D) at 430 Route 209 in Huguenot New York. All environmental sampling was performed on February 10, 2020 by J.S. Held Industrial Hygienist, Joseph Hunter, supervised and assisted by Robert Leighton, a Certified Industrial Hygienist (CIH). Mr. Hunter and Mr. Leighton are both New York State Department of Labor (NYS DOL) licensed asbestos inspectors. Mr. Hunter is also a United States Environmental Protection Agency (EPA) certified lead-based paint risk assessor. Copies of J.S. Held's asbestos license and personnel asbestos and lead certificates are provided in **Appendix A**. A sample location diagram is included in **Appendix B** and the laboratory analysis reports and associated chain-of-custody forms are enclosed in **Appendix C**.

From 1959 to circa 1970, the facility was owned and operated by Empire Tube Co., which used hydrochloric acid in its manufacturing processes. From the 1970s onward the site was used by C&D Technologies to manufacture power storage batteries, including the use of lead electrodes. The facility, which has been vacant for many years, was formerly permitted to operate as a treatment, storage and/or disposal (TSD) facility under the Resource Conservation and Recovery Act (RCRA) program. Concern by local authorities regarding potential site contamination by specified materials inside the C&D facility buildings prompted its new owner, LBH Real Estate, to request this preliminary and limited environmental assessment for the materials of greatest concern.

## 2.0 SCOPE OF WORK

The scope of work was to provide a preliminary assessment of air and surface contamination for target metals; lead, barium and cadmium, and polychlorinated biphenyls (PCBs) and fluoride inside the former C&D buildings, as well as to provide initial sampling of suspect building materials for asbestos and lead content. The approach for this environmental assessment was to collect and analyze a limited amount of representative air and surface samples for these materials.

J.S. Held's sampling strategy included establishing five sampling locations within the former C&D buildings. Three sets of side-by-side sampling pumps were positioned at each location. At each air sampling station, one air sample pump collected an air sample for the three metals; barium, cadmium and lead, a second pump collected an air sample for PCBs, and a third pump collected an air sample for fluorides. Surface samples were collected in the same general areas of the facility where the air samples were collected. A limited number of bulk samples for asbestos analysis and paint chip samples for lead analysis were also collected from accessible materials and coatings with the greatest likelihood of impact if found to contain regulated amounts of asbestos or lead.

#### 3.0 OBSERVATIONS

The interior of the facility was accessed by an unlocked door of the west side of the building. It was raining on the day of inspection with high humidity inside and outside the facility. Rainwater was actively leaking through openings in the roofing system creating piles of ceiling and roofing debris and puddles of water throughout various areas inside the facility. Paint chip debris from overhead beams was observed on flooring surfaces throughout the facility. Mold-like staining was also observed in the southwest area of the facility that houses a laboratory, locker room and offices.

# 4.0 SURFACE SAMPLING FOR BARIUM, CADMIUM, LEAD, PCB AND FLUORIDE

# 4.1 Surface Sampling and Analysis Methods

Surface dust wipe sampling was conducted on areas of approximately 100 square centimeters (cm<sup>2</sup>) measured and delineated with laboratory supplied disposable templates. The dust wipe samples were collected following American Society for Testing and Materials (ASTM) standards for surface wipe sampling and using dedicated dust wipe cloths. Each dust wipe cloth was premoistened with fluid supplied by the laboratory before sample collection. The surfaces selected for sampling consisted of areas that appeared to have consistent dust distribution and were less likely to be affected by rain, snow or ice accumulation. Each sample was collected by wiping in a back and forth "S" pattern over a measured sampling area of approximately 100 cm<sup>2</sup>. Then, the wipe was folded in half, with the dirty side inward, and the area was wiped again in a direction perpendicular to the first wipe orientation. The wipe samples were then placed into labeled, clean laboratory-supplied glass containers with screw on caps. Surface wipe samples were submitted under chain-of-custody to EMSL Analytical, Inc. (EMSL) in Cinnaminson, New Jersey. EMSL is accredited by the American Industrial Hygiene Association-Laboratory Accreditation Program, LLC (AIHA-LAP, LLC), Industrial Hygiene Laboratory Accreditation Program (IHLAP), laboratory identification number 100194, and the National Environmental Laboratory Accreditation Program (NELAP), New York accreditation number 10872.

Dust wipe sampling for barium, cadmium and lead was conducted in accordance with ASTM Standard E1728-16: Standard Practice for Collection of Settled Dust Samples Using Wipe Sampling Methods for Subsequent Lead Determination. ASTM Standard E1728-16 is consistent with the methodology described in the Housing and Urban Development (HUD) Guidelines and 40 CFR 745.63. The samples were analyzed for total concentrations of barium, cadmium and lead by EMSL using EPA Method 3050B/6010D.

For PCB wipe sampling, a standard wipe test, as specified in 40 CFR 761.123, uses a 100 cm<sup>2</sup> template to outline the sample area and a gauze pad that has been saturated with hexane is used to collect the sample. A hexane-saturated wipe was used to thoroughly swab the area inside the 100 cm<sup>2</sup> template, then analyzed by EMSL using EPA Method 8082A with 3540C Soxhlet extraction. EPA Method 8082A is a New York State Department of Health (NYS DOH) approved PCB Aroclor test method for PCB wipes.

Wipe samples for fluoride analysis was conducted on areas of approximately 100 square centimeters (cm²) measured and delineated with laboratory supplied disposable templates. The dust wipe samples were collected following American Society for Testing and Materials (ASTM) standards for surface wipe sampling and using dust wipe cloths. The samples were analyzed for total concentrations of fluoride by EMSL using EPA Method 9056A.

# 4.2 Surface Sampling Results

The surface sampling results showed non-detectable concentrations of fluoride, or less than 2.0 micrograms per 100 square centimeters ( $ug/100~cm^2$ ). Surface concentrations of barium ranged from non-detectable, or less than 46 micrograms per square foot ( $ug/ft^2$ ), to 220  $ug/ft^2$ . Surface concentrations of cadmium ranged from non-detectable, or less than 9.3  $ug/ft^2$ , to 18  $ug/ft^2$ .

Levels of surface lead dust contamination were reported between 820 ug/ft<sup>2</sup> and 24,000 ug/ft<sup>2</sup>. Total PCB surface concentrations ranged from 0.53 ug/100 cm<sup>2</sup> to 3.6 ug/100 cm<sup>2</sup>. Surface sampling results are summarized in **Tables 1**, **2** and **3** attached.

The current EPA clearance standards for residential lead abatement are 40 ug/ft² for floors, 250 ug/ft² for window sills and 400 ug/ft² for window wells/troughs. The Occupational Safety and Health Administration (OSHA) utilizes a level of 200 ug/ft² for defining "clean" areas on construction sites regulated by the OSHA Lead in Construction Industry Standard (29 CFR 1926.62). EPA and HUD regulations also define the following as hazardous levels for lead dust in residences: 40 ug/ft² for floors and 250 ug/ft² for window sills. EPA has no dust-lead hazard standard for window troughs. Dust wipe samples were collected to identify locations where lead-in-dust levels exceed the regulatory standard, if lead was identified as per scope of work. While none of these standards would be strictly applicable to this site, for comparison purposes all of the surface sampling results for lead would exceed all of these standards.

The EPA standard for PCB decontamination of concrete surfaces (including brick) within 72 hours of a PCB spill or release is 10 ug/100 cm<sup>2</sup> under the Toxic Substances Control Act (TSCA) regulations found at 40 CFR 761.79. All of the sampling results would be below this standard.

The surface sampling results showed no detectable amounts of surface fluoride contamination. There are currently no regulatory standards for barium or cadmium surface contamination.

### 5.0 AIR SAMPLING FOR BARIUM, CADMIUM, LEAD, PCB AND FLUORIDE

# 5.1 Air Sampling and Analysis Methods

Air samples were collected at five (5) locations within the former C&D facility buildings on February 10, 2020 to evaluate airborne concentrations of metals; barium, cadmium and lead, as well as those of PCBs and Fluorides. All fifteen (15) air samples were submitted under chain-of-custody to EMSL in Cinnaminson, New Jersey. The five (5) air samples for fluoride analysis were subsequently shipped by EMSL to a subsidiary laboratory, LA Testing in Huntington Beach, California. Both EMSL and LA Testing are AlHA-accredited laboratories.

The five (5) air samples for barium, cadmium and lead analysis were collected on 37-millimeter 0.8 micrometer (um) pore size mixed cellulose ester (MCE) fiber membrane filters using Gilian GilAir3 portable air sampling pumps operated at flow rates of approximately 2.0 liters per minute (Lpm) for approximately four hours. Air sampling pumps were calibrated prior to and at the end of the sampling periods. The samples were analyzed by EMSL using the National Institute of Occupational Safety and Health (NIOSH) 7300 Method.

The five (5) air samples for PCB analysis were collected in accordance with EPA Method TO-10A on 37-millimeter, 0.8 micrometer (um) pore size mixed cellulose ester (MCE) fiber membrane filters using low-flow, Gilian GilAir3 portable air sampling pumps operating at flow rates of approximately 0.1 to 0.43 Lpm for approximately four hours. Air sampling pumps were calibrated prior to and at the end of the sampling periods. The samples were analyzed by EMSL using the NIOSH 5503 Modified Method.

The five (5) air samples for fluoride analysis were collected using a two-stage collection method consisting of an MCE dust filter followed by a vapor absorption tube. Air sampling pumps for fluorides operated at flow rates of approximately 1.0 Lpm for approximately four hours. Air sampling pumps were calibrated prior to and at the end of the sampling periods. The air samples were analyzed by LA Testing using the NIOSH 7906 Method for Particulate Fluoride and Hydrofluoric Acid.

# 5.2 Air Sampling Results

The air sampling results for all five (5) sampling locations showed non-detectable concentrations of airborne barium, cadmium, PCB (all nine (9) individual Aroclor compounds) and fluoride (both particulate fluoride and hydrofluoric acid). The results for two (2) of the five (5) sampling locations also showed non-detectable concentrations of airborne lead, or less than 0.096 micrograms per cubic meter (ug/m³), with the results for the other three (3) sampling locations showing concentrations of airborne lead ranging between 0.17 ug/m³ and 0.51 ug/m³.

The EPA National Ambient Air Quality Standard (NAAQS) for lead in community air is a 3-month rolling average of 0.15 ug/m³. OSHA has established a permissible exposure limit (PEL) of 50 ug/m³ and an Action Level (AL) of 30 ug/m³ for defining lead work under 29 CFR 1926.62. While neither of these standards would be strictly applicable to this site, for comparison purposes three (3) of the five (5) sampling results slightly exceeded the EPA NAAQS of 0.15 ug/m³ for lead, while all five (5) sampling results were well below the OSHA AL and PEL of 30 and 50 ug/m³ for lead, respectively. Air sampling results are summarized in **Tables 4**, **5** and **6** attached.

### 6.0 ASBESTOS-CONTAINING MATERIALS

According to EPA 40 Part CFR 61, Subparts A and M and 40 CFR 763 Subpart E, asbestos-containing material (ACM) means any material containing more than 1% percent asbestos. Asbestos-containing building material (ACBM) includes surfacing ACM, thermal system insulation (TSI) or miscellaneous ACM that is found in or on interior structural members or other parts of a building.

It is impossible to confirm that a material or product is or contains asbestos by visual determination. Actual determinations can only be made by instrumental analysis. EPA 40 CFR Part 61 Subparts A and M and 40 CFR 763 Subpart E require that the asbestos content of suspect materials be determined by collecting bulk samples and analyzing them by Polarized Light Microscopy (PLM). The PLM method (EPA 600/R-93/116) determines both the percent and type of asbestos in the bulk material. When a sample contains several layers, such as roofing materials, flooring and mastic, or drywall and joint compound, the layers are separated and individually analyzed for asbestos.

The State of New York Environmental Laboratory Approval Program (ELAP) has determined that analysis of non-friable organically bound (NOB) materials is not reliably performed by PLM. In New York State, Transmission Electron Microscopy (TEM) is currently the only method that can be used to determine if NOB materials can be considered or treated as non-asbestos containing. Therefore, if PLM yields negative results for a non-friable material, it must be confirmed by TEM. Bulk samples which undergo TEM analysis use the Gravimetric Analysis method. This process involves first weighing a sample then burning it in a furnace (450 K) to an ash. The ash is then acid washed and dried. The dried ash is then weighed again to determine how much material was dissolved by the acid. The remaining material is then placed on a TEM grid and is analyzed for the presence of asbestos.

### 6.1 Asbestos Bulk Sampling and Analysis Methods

A total of six (6) bulk samples of suspect ACM were collected from the interior of the property on February 10, 2020, in accordance with Federal, State, and local regulations. Suspect ACM observed and sampled for laboratory analysis included roofing membrane (collected from the floor of the warehouse), ceiling panel insulation and floor brick. Materials determined to be homogenous were marked as such on the laboratory chain of custody. The samples were submitted to EMSL Analytical, Inc. (EMSL) in New York, New York (National Voluntary Laboratory Accreditation Program (NVLAP) #101048-9) for analysis.

# 6.2 Asbestos Bulk Sampling Results

The laboratory analysis results showed no detectable amounts of asbestos in any of the three materials sampled. Flooring brick and ceiling panel insulation were found to be non-ACM. However, a comprehensive testing of the roofing system was not possible, as site conditions prevented access to the roof to collect core samples of all roofing membrane layers, tar and flashing. Until all roofing layers and materials are properly sampled and analyzed, they cannot be considered non-ACM. Asbestos bulk sampling results are summarized in **Table 7** attached.

#### 7.0 LEAD-BASED PAINT

The EPA defines lead-based paint (LBP) as paint or other coatings containing 0.5% lead by weight or greater, but this definition is only applicable to target housing and child-occupied facilities. OSHA 29 CFR 1926.62 initially regulates most construction activities involving the removal or disturbance of materials containing any detectable amounts of lead (i.e. lead-containing material or LCM). Removal of LBP is potentially subject to the requirements of the following regulations:

- New York State Department of Environmental Conservation 6 NYCRR Subparts 371-376
- 29 CFR Part 1926.62, Lead Exposure in Construction: Interim Rule Vol. 58 No. 84
- 40 CFR 61, Subpart A, General Provisions (Hazardous Air Pollutants Listing)
- 40 CFR 61.152 Standard for Waste Manufacturing, Demolition, Renovation, Spraying and Fabricating Operations
- 40 CFR 241 Guidelines for the Land Disposal of Solid Wastes
- 40 CFR 257 Criteria for Classification of Solid Waste
- 40 CFR 261 & 262 Waste Disposal Facilities & Practices

# 7.1 Paint Chip Sampling and Analysis Methods

Six (6) paint chip samples were collected from the following representative areas and surfaces within the C&D Tec. Bldg.: yellow column paint, white column paint (with thin layer of primer on backside), gray concrete floor paint, orange metal beam primer, white concrete masonry unit (CMU) wall paint and blue metal column paint. Bulk samples of each material were placed into a plastic bag, which was sealed airtight and assigned a sample identification number. The samples were shipped under chain-of-custody to EMSL in Carle Place, New York. EMSL is accredited by the AIHA-LAP, LLC (laboratory identification number 102344) and NYS ELAP (accreditation number 11469). EMSL analyzed the paint chip samples for total concentrations of lead by flame atomic absorption spectrometry (AAS) using the SW 8463051A/7000B Method.

# 7.2 Paint Chip Sampling Results

The laboratory analysis results showed total lead concentrations ranging between 0.024% by weight and 3.6% by weight. The results for all six (6) samples showed detectable concentrations of lead, and two (2) of the results would also exceed the 0.5% threshold for defining LBP in target housing and child-occupied facilities. Lead paint chip sampling results are summarized in **Table 8** attached.

#### 8.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the results of the limited environmental sampling conducted by J.S. Held on February 10, 2020 at the former C&D Technologies building at 430 Route 209 in Huguenot New York, J.S. Held offers the following conclusions and recommendations:

- Significant amounts of surface lead contamination were identified. Cleaning of all exposed and accessible surfaces throughout the building is recommended using a combination of high-efficiency particulate air (HEPA) filtered vacuuming and wet wiping with trisodium phosphate (TSP) or other suitable cleanser. This cleaning would also reduce or eliminate the minor amounts of surface barium and cadmium contamination detected in some of the areas sampled. PCB concentrations on the concrete and brick surfaces sampled are currently below EPA decontamination standards, and no detectable amounts of fluoride contamination were reported for any of the surfaces sampled.
- No detectable amounts of airborne barium, cadmium, PCB or fluoride were detected in any of the air samples collected and analyzed. Low but detectable concentrations of airborne lead dust were identified in a few of the areas sampled inside the building. However, it is likely that the low levels detected were due at least in part to the presence of significant amounts of surface lead dust contamination within the facility. If the cleaning recommended above is performed, levels of airborne lead dust should also be reduced or eliminated.
- One type of observed ceiling panel insulation and one type of observed flooring brick were both found to be non- ACM. A preliminary testing of one roofing membrane layer collected from the floor of the facility was also found to be non-ACM. However, a comprehensive testing of the roofing system is still required to determine if any roofing component contains ACM. In addition, any other suspect ACM present in the facility which has not been sampled, but which may be disturbed by renovation or demolition activities should be properly sampled and analyzed for asbestos prior to performance of those activities.
- Based on the presence of detectable amounts of lead in all six (6) paint chip samples collected and analyzed, any construction activities that may disturb painted surfaces within this facility, including but not limited to paint removal, iron work (e.g. torch-cutting or welding of structural steel), or demolition, would be regulated by the OSHA Lead in Construction Industry Standard (29 CFR 1926.62).
- Demolition of materials and finishes in the office, laboratory and locker room areas, heavily contaminated with mold growth, would require development of a mold assessment and remediation plan developed by a NYS DOL-licensed Mold Assessor, and performed by a NYS DOLlicensed mold remediation contractor.

#### 9.0 LIMITATIONS

J.S. Held provided these services consistent with the level and skill ordinarily exercised by members of the profession currently providing similar services under similar circumstances at the time the services were provided. This statement is in lieu of other statements either expressed or implied. This report is intended for the sole use of LBH Commercial Real Estate. The scope of services performed in execution of this evaluation may not be appropriate to satisfy the needs of other users, and use or re-use of this document, the findings, conclusions, or recommendations is at the risk of said user.

As with all such assessments, the results of the sampling represent conditions found on the date of the survey and may not represent conditions found at other times. Additionally, this assessment was limited with respect to the specific parameters indicated above and should not be construed to be a comprehensive evaluation or a definitive representation of conditions within the facility. The information presented in this report is intended to be used as a guide to evaluate the need for further investigation or the need for modifications to the processes or procedures surveyed.

Additionally, the passage of time may result in a change in the environmental characteristics at this site. This report does not warrant against future operations or conditions that could affect the recommendations made. The results, findings, conclusions, and recommendations expressed in this report are based only on conditions that were observed during J.S. Held's inspection of the site.

Prepared by:

Joseph Hunter

NYS DOL Asbestos Inspector

Sough E. Sinter

Accreditation #88-04475

US EPA Lead-Based Paint Risk Assessor

Accreditation #: LBP-R-7817-1

And:

Matt Molnar

Environmental Scientist/Industrial Hygienist IV

ROBERT I. LEIGHTON(CL)

Reviewed by:

Robert I. Leighton CIH, CSP

Senior Vice President, EH&S

LIMITED ENVIRONMENTAL SAMPLING 430 ROUTE 209-HUGUENOT, NEW YORK J.S. HELD PROJECT NO. 20011437

# **TABLES**

Table 1: Surface Sampling Results Summary – Barium, Cadmium and Lead

Sample ID	Location	Surface	Barium	Cadmium	Lead
•				μg/ft²	
1	Area C	Base of Metal Column	52	ND	820
2	Area G	Base of Metal Column	ND	ND	1,800
3	Area A	Base of Concrete Column	180	15	4,800
4	Area F	Base of Metal Column	220	18	24,000
5	Area F-Rear/Shop 1	Metal Electrical Junction Box	ND	ND	1,500

ND = NONE DETECTED

Table 2: Surface Sampling Results Summary - PCB

Sample	Location	Aroclor- 1016	Aroclor- 1221	Aroclor- 1232	Aroclor- 1242	Aroclor- 1248	Aroclor- 1254	Aroclor- 1260	Aroclor- 1262	Aroclor- 1268
ID					ı	μg/100 cm²				
1	Area C	ND	ND	ND	ND	0.53	ND	ND	ND	ND
2	Area G	ND	ND	ND	ND	0.81	0.96	ND	ND	ND
3	Area A	ND	ND	ND	ND	1.1	1.1	1.4	ND	ND
4	Area F	ND	ND	ND	ND	1.1	1.6	0.63	ND	ND
5	Area F- Shop 1	ND	ND	ND	ND	0.94	0.94	ND	ND	ND

ND = NONE DETECTED

# **TABLE 2 NOTES:**

Sample 01: Area C: Concrete Column Footing

Sample 02: Area G: Concrete Flooring Sample 03: Area A: Brick Flooring Sample 04: Area F: Concrete Flooring

Sample 05: Area F-Rear/ Shop 1: Concrete Flooring

Table 3: Surface Sampling Results Summary – Fluoride

Sample ID	Location	Surface	Fluoride µg/100 cm²
1	Area C	Base of Metal Column	ND
2	Area G	Base of Metal Column	ND
3	Area A	Base of Concrete Column	ND
4	Area F	Base of Metal Column	ND
5	Area F-Rear/Shop 1	Metal Electrical Junction Box	ND

ND = NONE DETECTED

Table 4: Air Sampling Results Summary – Barium, Cadmium and Lead

Sample ID	Location	Barium	Cadmium	Lead	
•		μg/m³			
M1	Area C	ND	ND	0.27	
M2	Area G	ND	ND	ND	
M3	Area A	ND	ND	ND	
M4	Area F	ND	ND	0.51	
M5	Area F-Rear, Shop 1	ND	ND	0.17	

ND = NONE DETECTED

Table 5: Air Sampling Results Summary – PCB

Sample	Location	Aroclor- 1016	Aroclor- 1221	Aroclor- 1232	Aroclor- 1242	Aroclor- 1248	Aroclor- 1254	Aroclor- 1260	Aroclor- 1262	Aroclor- 1268
ID						μg/m³				
P-1	Area C	ND								
P-2	Area G	ND								
P-3	Area A	ND								
P-4	Area F	ND								
P-5	Area F- Shop 1	ND								

ND = NONE DETECTED

Table 6: Air Sampling Results Summary – Barium, Cadmium and Lead

Sample ID	Location	Particulate Fluoride	Hydrofluoric Acid
		μg/	m³
F1	Area C	<18.0	<19.0
F2	Area G	<20.0	<21.0
F3	Area A	<18.0	<19.0
F4	Area F	<21.0	<22.0
F5	Area F-Rear, Shop 1	<17.0	<18.0

**Table 7: Asbestos Bulk Sampling Results Summary** 

Homogeneous Area #	Sample #	Location	Material	PLM Friable	PLM-NOB	TEM-NOB
	01		Election Duick	NAD	N/A	N/A
01	02		Flooring Brick	NAD	N/A	N/A
	03	Interior of C&D	Roof Membrane Debris	N/A	NAD	NAD
02	04	Technologies Building		N/A	NAD	NAD
	05			NAD	N/A	N/A
03	06		Ceiling Panel Insulation	NAD	N/A	N/A

NAD = No Asbestos Detected

N/A = Not Analyzed

**Table 8: Lead Paint Sampling Results Summary** 

Sample	nple Location Surface Component Color		Color	Lead	Paint Condition
ID	Location	Surface Component	Color	% by weight	Paint Condition
01	Area C	Metal Column	Yellow	0.17	Poor
02	Area F	Metal Column	White w/orange primer	3.6	Poor
03	Area F	Concrete Floor	Gray	2.1	Poor
04	Area C	Metal Beam	Orange	0.038	Poor
05	Area G	CMU Wall	White	0.24	Poor
06	Area A	Metal Column	Blue	0.024	Poor

LIMITED ENVIRONMENTAL SAMPLING 430 ROUTE 209-HUGUENOT, NEW YORK J.S. HELD PROJECT NO. 20011437

# **APPENDICES**

# **APPENDIX A**

# J.S. HELD NYS ASBESTOS LICENSE AND EMPLOYEE CERTIFICATES

# New York State - Department of Labor

Division of Safety and Health License and Certificate Unit State Campus, Building 12 Albany, NY 12240

# ASBESTOS HANDLING LICENSE

J.S. Held LLC Suite 117 50 Jericho Qaudrangle

Jericho, NY 11753

FILE NUMBER: 17-106518 LICENSE NUMBER: 106518 LICENSE CLASS: RESTRICTED

DATE OF ISSUE: 10/25/2019 EXPIRATION DATE: 10/31/2020

Duly Authorized Representative – Robert Leighton:

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.

Eileen M. Franko, Director For the Commissioner of Labor

SH 432 (8/12)

# NYC DEP ASBESTOS CONTROL PROGRAM ASBESTOS CERTIFICATE



HUNTER,
JOSEPH E
INVESTIGATOR
123052

EXPIRES: 2/19/2020 DOB:2/19/1966 M 6' 05"

MUST BE CARRIED ON ALL ASBESTOS PROJECTS

....................................

STATE OF NEW YORK - DEPARTMENT OF LABOR ASBESTOS CERTIFICATE





JOSEPH E HUNTER
CLASS(EXPIRES)
C ATEC(02/21) D INSP(02/21)
E MGPL(02/21) H PM (02/21)
I PD (02/21)

CERT# 88-04775 DMV# 562480343

MUST BE CARRIED ON ASBESTOS PROJECTS

# United States Environmental Protection Agency This is to certify that

Joseph Hunter

TED STA

All EPA Administered Lead-based Paint Activities Program States, Tribes and Territories

This certification is valid from the date of issuance and expires February 12, 2022

LBP-R-7817-1

Certification #

January 29, 2019

Issued On

John Gorman, Chief

Pesticides & Toxic Substances Branch

# NYC DEP ASBESTOS CONTROL PROGRAM ASBESTOS CERTIFICATE



LEIGHTON,
ROBERT I
INVESTIGATOR
149972
EXPIRES: 8/24/2020
DOB:8/24/1953 M 6' 0"

MUST BE CARRIED ON ALL ASBESTOS PROJECTS

# **APPENDIX B**

# LABORATORY ANALYSIS REPORTS AND CHAIN-OF-CUSTODIES

LIMITED ENVIRONMENTAL SAMPLING
430 ROUTE 209-HUGUENOT, NEW YORK
LS HELD PROJECT NO 20011437

# **SURFACE SAMPLE ANALYTICAL RESULTS**



200 Route 130 North, Cinnaminson, NJ 08077

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

Attn: Robert I

Robert Leighton J.S. Held LLC 50 Jericho Quadrangle #117 Jericho, NY 11753

Phone: (516) 621-2900

Fax:

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 2/12/2020. The results are tabulated on the attached data pages for the following client designated project:

#### 20011437 C+D Tech

The reference number for these samples is EMSL Order #012001559. 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, Environmental Chemistry Laboratory Director



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 1877

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.

2/19/2020



200 Route 130 North, Cinnaminson, NJ 08077 Phone/Fax: (856) 303-2500 / (856) 858-4571

http://www.EMSL.com

EnvChemistry2@emsl.com

(516) 621-2900

EMSL Order:

CustomerID:

CustomerPO:

ProjectID:

012001559

JSHD42

Phone: Fax:

Received: 02/12/20 9:00 AM

Attn: Robert Leighton J.S. Held LLC 50 Jericho Quadrangle #117 Jericho, NY 11753

Project: 20011437 C+D Tech

**Analytical Results** 

		Analytical Re	esuits					
Client Sample Des	cription 1		Collected:	2/10/2020	Lak	D:	012001559-000	)1
Method	Parameter	Result	RL Units		Prep Date & Ar		Analysis Date & Analy	/st
METALS								
3050B/6010D	Barium	52	46 μg/ft²		2/17/2020	AM	02/17/20 20:41	BE
3050B/6010D	Cadmium	ND	9.3 μg/ft²		2/17/2020	AM	02/17/20 20:41	BE
3050B/6010D	Lead	820	4.6 μg/ft²		2/17/2020	AM	02/17/20 20:41	BE
Client Sample Des	cription 2		Collected:	2/10/2020	Lal	D:	012001559-000	)2
Method	Parameter	Result	RL Units		Prep Date & Ar		Analysis Date & Analy	/st
METALS								
3050B/6010D	Barium	ND	46 µg/ft²		2/17/2020	AM	02/17/20 20:45	BE
3050B/6010D	Cadmium	ND	9.3 μg/ft²		2/17/2020	AM	02/17/20 20:45	BE
3050B/6010D	Lead	1800 D	23 µg/ft²		2/17/2020	AM	02/18/20 12:53	DM
Client Sample Des	cription 3		Collected:	2/10/2020	Lak	D:	012001559-000	)3
Method	Parameter	Result	RL Units		Prep Date & Ar		Analysis Date & Analy	/st
METALS								
3050B/6010D	Barium	180	46 µg/ft²		2/17/2020	AM	02/17/20 20:48	BE
3050B/6010D	Cadmium	15	9.3 μg/ft²		2/17/2020	AM	02/17/20 20:48	BE
3050B/6010D	Lead	4800 D	46 µg/ft²		2/17/2020	AM	02/18/20 12:57	DM
Client Sample Des	cription 4		Collected:	2/10/2020	Lat	D:	012001559-000	)4
Method	Parameter	Result	RL Units		Prep Date & Ar		Analysis Date & Analy	/st
METALS								
3050B/6010D	Barium	220	46 μg/ft²		2/17/2020	AM	02/17/20 20:53	BE

18

24000 D

9.3 µg/ft<sup>2</sup>

 $230~\mu g/ft^2$ 

2/17/2020

2/17/2020

AM

AM

02/17/20 20:53 BE

02/18/20 13:03 DM

Cadmium

Lead

3050B/6010D 3050B/6010D



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EMSL Order: CustomerID: CustomerPO: 012001559 JSHD42

ProjectID:

Attn: Robert Leighton J.S. Held LLC 50 Jericho Quadrangle #117 Jericho, NY 11753

Phone: Fax:

(516) 621-2900

Received: 02/12/20 9:00 AM

Project: 20011437 C+D Tech

# **Analytical Results**

012001559-0005 Client Sample Description 5 Collected: 2/10/2020 Lab ID:

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
3050B/6010D	Barium	ND	46 μg/ft²	2/17/2020 AM	02/17/20 20:58 BE
3050B/6010D	Cadmium	ND	9.3 μg/ft²	2/17/2020 AM	02/17/20 20:58 BE
3050B/6010D	Lead	1500 D	9.3 μg/ft²	2/17/2020 AM	02/18/20 13:07 DM

#### **Definitions:**

MDL - method detection limit

J - Result was below the reporting limit, but at or above the MDL

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

RL - Reporting Limit (Analytical)

D - Dilution Sample required a dilution which was used to calculate final results



# Environmental Chemistry Chain of Custody

EMSL Order Number (Lab Use Only):

FAX:	PHONE:

					(	44	0	(6)	6	0	)				-		144							
Instructions or Comments:	Please indicate reporting requirements: ☐ Results Only ☐ Results and QC ☐ Reduced Deliverables		,	A STATE OF THE STA	Released By (Signature)	)	4	W	2			Client Sample ID		Failure to complete will hinder processing of samples	Standard Turnaround Time:	Samples Collected by: EMSL	Sample for Compliance? Yes	U.S. State where Samples Collected:	Project Name: 20011L	Phone:	city: Jackho	Street:	Company Name: つく	Report To Contact Name:
its:	g req				ature							om		nder	ne:	/SL	Yes	Coll	13		State		1	1
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	nents: Results		1	2/11/2	Da	-			,	2/10/20		Date/Time	Collect	ssing of samples	2 Weeks	Client Acheck one	No   If yes, NPDES?	d:	(to Tod	X:	State/Province:		6	15/15/1 AD
	Only   Resu			O	Date & Time	<	_			Sweleve	O= Other	A=Air	W=Water S=Soil	Matrix	The following			NL			Zip/Postal Code:			CYCL+19/19
	ults and QC				•	V			P	Nono	4=ICE 5=Other	3=H2SO4	1=HCL 2=HNO3	Preservative	The following TATs are subject to lab approval:	Sampled By (Signature):	Other (Specify):	Number of Samples in Shipment:	Email Results To:		ode:			
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Note: Field pH and Field Temperature are tested on the same day as the date of sample collection.

istry - R9 - 02/3/2020

Page 1 of

pages

(Lab) Received Temperature:

1



200 Route 130 North, Cinnaminson, NJ 08077

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

Attn:

Robert Leighton J.S. Held LLC 50 Jericho Quadrangle #117 Jericho, NY 11753

Phone: (516) 621-2900

Fax:

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 2/12/2020. The results are tabulated on the attached data pages for the following client designated project:

#### 20011437 C+D Tech

The reference number for these samples is EMSL Order #012001561. 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, Environmental Chemistry Laboratory Director



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 1877

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.

2/26/2020



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http://www.EMSL.com EnvChemistry2@emsl.com

ProjectID:

CustomerID: JSHD42

012001561

CustomerPO:

EMSL Order:

Attn: Robert Leighton J.S. Held LLC 50 Jericho Quadrangle #117 Jericho, NY 11753

Phone: (516) 621-2900 Fax:

Received: 02/12/20 9:00 AM

Project: 20011437 C+D Tech

# **Analytical Results**

		Allalytical is	Courto					
Client Sample De	escription 1		Collected:	2/10/202	20 <b>Lab</b>	ID:	012001561-00	01
Method	Parameter	Result	RL Unit	ts	Prep Date & An	alyst	Analysis Date & Anal	yst
WET								
9056A	Fluoride	ND	2.0 µg/1	00 cm <sup>2</sup>	2/18/2020	EH	02/20/20 0:00	EH
Client Sample De	escription 2		Collected:	2/10/202	20 <b>Lab</b>	ID:	012001561-00	02
Method	Parameter	Result	RL Unit	's	Prep Date & An	alyst	Analysis Date & Anal	yst
WET								
9056A	Fluoride	ND	2.0 μg/1	00 cm <sup>2</sup>	2/18/2020	EH	02/20/20 0:00	EH
Client Sample De	escription 3		Collected:	2/10/202	20 <b>Lab</b>	ID:	012001561-00	03
Method	Parameter	Result	RL Unit	's	Prep Date & An		Analysis Date & Anal	yst
WET								
9056A	Fluoride	ND	2.0 µg/1	00 cm <sup>2</sup>	2/18/2020	EH	02/20/20 0:00	EH
Client Sample De	escription 4		Collected:	2/10/202	20 <b>Lab</b>	ID:	012001561-00	04
Method	Parameter	Result	RL Unit	's	Prep Date & An	alyst	Analysis Date & Anal	yst
WET								
9056A	Fluoride	ND	2.0 µg/1	00 cm <sup>2</sup>	2/18/2020	EH	02/20/20 0:00	EH
Client Sample De	escription 5		Collected:	2/10/202	20 <b>Lab</b>	ID:	012001561-00	05
Method	Parameter	Result	RL Unit	ts .	Prep Date & An		Analysis Date & Anal	yst
WET								
9056A	Fluoride	ND	2.0 μg/1	00 cm <sup>2</sup>	2/18/2020	EH	02/20/20 0:00	EH

# **Definitions:**

MDL - method detection limit

J - Result was below the reporting limit, but at or above the MDL

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

RL - Reporting Limit (Analytical)

D - Dilution Sample required a dilution which was used to calculate final results



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

OrderID: 012001561

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

Report To Contact Name: ReVEX	A	7	CHORPON		Bill To Company:	any:	PASS	4)	
Company Name:	7	Z			Attention To:				
Street:					Street:				
City: LEDICAND	State/	State/Province:	Zip/Postal Code:	ode:	City:	State/P	State/Province:		Zip/Postal Code:
Phone:		Fax:			Phone:		Fax:		
Project Name: 20011437	+37	- CAD Te	B	Email Results To:	):	The state of the state of	Purc	Purchase Order:	er:
U.S. State where Samples Collected:	s Colle	cted: LJK	Z	umber of Samp	Number of Samples in Shipment:		Date	Date of Shipment:	ent:
Sample for Compliance? Yes 🗌 No 🖂 If yes, NPDES?	Yes	] No ☑ If yes, NPD		Other (Specify):		PWS ID #:	State Re	eporting F	State Reporting Required? (Y/N)
Samples Collected by: EMSL	MSL	Client Check one		Sampled By (Signature)	naturek		Samp	les Receiv	Samples Received Chilled? (Y/N)
Standard Turnaround Time:	ne:	2 Weeks	The followin	g TATs are sub	The following TATs are subject to lab approval:	X1 Week □	4 Days 🗌 3 Days	lys 2 D	2 Days 🗌 1 Day
Failure to complete will hinder processing of samples	inder pr	1	Matrix	Preservative	90	List Test(s) Needed			
Client Sample ID	Comp	Collect ២ Date/Time	W=Water S=Soil A=Air SL=Sludge O= Other	1=HCL 2=HNO3 3=H2SO4 4=ICE 5=Other	Floor	Hq bləiन	Field pH Test Time Field Temp. Deg C	Field Temp. Test Time	Comments
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Note: Field pH and	Field	Note: Field pH and Field Temperature are tested on the same day as the date of sample collection.	ed on the sar	ne day as the d	ate of sample coll		(Lab) Received Temperature:	d Tempera	ature: / °C
7/1/2	1	DE 10/10/10 1	8	Page 1 of	f   pages				

1



200 Route 130 North, Cinnaminson, NJ 08077

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

Attn:

Robert Leighton J.S. Held LLC 50 Jericho Quadrangle #117 Jericho, NY 11753

Phone: (516) 621-2900

Fax:

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 2/12/2020. The results are tabulated on the attached data pages for the following client designated project:

#### 20011437 C+D Tech

The reference number for these samples is EMSL Order #012001562. 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, Environmental Chemistry Laboratory Director



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 1877

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2/19/2020



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CustomerID: CustomerPO:

012001562 JSHD42

ProjectID:

EMSL Order:

Attn: Robert Leighton J.S. Held LLC 50 Jericho Quadrangle #117 Jericho, NY 11753

Phone: Fax:

Received:

02/12/20 9:00 AM

(516) 621-2900

Project: 20011437 C+D Tech

# **Analytical Results**

Client Sample Description 1 Collected: 2/10/2020 Lab ID: 012001562-0001

Method	Parameter	Result	RL Units	Prep Date & Ana	alyst	Analysis Date & Analy	/st
GC-SVOA							
3540C/8082A	Aroclor-1016	ND	0.50 μg/100 cm <sup>2</sup>	2/13/2020	AF	02/14/20 0:00	EH
3540C/8082A	Aroclor-1221	ND	0.50 μg/100 cm <sup>2</sup>	2/13/2020	AF	02/14/20 0:00	EH
3540C/8082A	Aroclor-1232	ND	0.50 μg/100 cm <sup>2</sup>	2/13/2020	AF	02/14/20 0:00	EH
3540C/8082A	Aroclor-1242	ND	0.50 μg/100 cm <sup>2</sup>	2/13/2020	AF	02/14/20 0:00	EH
3540C/8082A	Aroclor-1248	0.53	0.50 μg/100 cm <sup>2</sup>	2/13/2020	AF	02/14/20 0:00	EH
3540C/8082A	Aroclor-1254	ND	0.50 μg/100 cm <sup>2</sup>	2/13/2020	AF	02/14/20 0:00	EH
3540C/8082A	Aroclor-1260	ND	0.50 μg/100 cm <sup>2</sup>	2/13/2020	AF	02/14/20 0:00	EH
3540C/8082A	Aroclor-1262	ND	0.50 μg/100 cm <sup>2</sup>	2/13/2020	AF	02/14/20 0:00	EH
3540C/8082A	Aroclor-1268	ND	0.50 µg/100 cm <sup>2</sup>	2/13/2020	AF	02/14/20 0:00	EH

Client Sample Description 2 Collected: 2/10/2020 Lab ID: 012001562-0002

Method	Parameter	Result	RL Units	Prep Date & And	alyst	Analysis Date & Analy	yst
GC-SVOA							
3540C/8082A	Aroclor-1016	ND	0.50 μg/100 cm <sup>2</sup>	2/13/2020	AF	02/14/20 0:00	EH
3540C/8082A	Aroclor-1221	ND	0.50 μg/100 cm²	2/13/2020	AF	02/14/20 0:00	EH
3540C/8082A	Aroclor-1232	ND	0.50 μg/100 cm <sup>2</sup>	2/13/2020	AF	02/14/20 0:00	EH
3540C/8082A	Aroclor-1242	ND	0.50 μg/100 cm²	2/13/2020	AF	02/14/20 0:00	EH
3540C/8082A	Aroclor-1248	0.81	0.50 μg/100 cm <sup>2</sup>	2/13/2020	AF	02/14/20 0:00	EH
3540C/8082A	Aroclor-1254	0.96	0.50 μg/100 cm²	2/13/2020	AF	02/14/20 0:00	EH
3540C/8082A	Aroclor-1260	ND	0.50 μg/100 cm <sup>2</sup>	2/13/2020	AF	02/14/20 0:00	EH
3540C/8082A	Aroclor-1262	ND	0.50 μg/100 cm²	2/13/2020	AF	02/14/20 0:00	EH
3540C/8082A	Aroclor-1268	ND	0.50 µg/100 cm <sup>2</sup>	2/13/2020	AF	02/14/20 0:00	EH

Collected: Lab ID: Client Sample Description 3 2/10/2020 012001562-0003

Method	Parameter	Result	RL Units	Prep Date & And	alyst	Analysis Date & Analy	/st
GC-SVOA							
3540C/8082A	Aroclor-1016	ND	0.50 μg/100 cm <sup>2</sup>	2/13/2020	AF	02/14/20 0:00	EH
3540C/8082A	Aroclor-1221	ND	0.50 μg/100 cm²	2/13/2020	AF	02/14/20 0:00	EH
3540C/8082A	Aroclor-1232	ND	0.50 μg/100 cm <sup>2</sup>	2/13/2020	AF	02/14/20 0:00	EH
3540C/8082A	Aroclor-1242	ND	0.50 μg/100 cm²	2/13/2020	AF	02/14/20 0:00	EH
3540C/8082A	Aroclor-1248	1.1	0.50 µg/100 cm <sup>2</sup>	2/13/2020	AF	02/14/20 0:00	EH



200 Route 130 North, Cinnaminson, NJ 08077 Phone/Fax: (856) 303-2500 / (856) 858-4571

http://www.EMSL.com EnvChemistry2@emsl.com

EMSL Order: CustomerID: CustomerPO:

012001562 JSHD42

ProjectID:

Attn: Robert Leighton J.S. Held LLC 50 Jericho Quadrangle #117 Jericho, NY 11753

Phone: Fax:

Received: 02/12/20 9:00 AM

(516) 621-2900

Project: 20011437 C+D Tech

# **Analytical Results**

Client Sample Description 3	Collected:	2/10/2020	I ah ID:	012001562-0003

Method	Parameter	Result	RL Units	Prep Date & An	alyst	Analysis Date & Analy	
GC-SVOA							
3540C/8082A	Aroclor-1254	1.1	0.50 μg/100 cm <sup>2</sup>	2/13/2020	AF	02/14/20 0:00	EH
3540C/8082A	Aroclor-1260	1.4	0.50 μg/100 cm²	2/13/2020	AF	02/14/20 0:00	EH
3540C/8082A	Aroclor-1262	ND	0.50 μg/100 cm <sup>2</sup>	2/13/2020	AF	02/14/20 0:00	EH
3540C/8082A	Aroclor-1268	ND	0.50 μg/100 cm²	2/13/2020	AF	02/14/20 0:00	EH

Client Sample Description 4 Collected: 2/10/2020 Lab ID: 012001562-0004

Method	Parameter	Result	RL Units	Prep Date & And	alyst	Analysis Date & Analy	yst
GC-SVOA							
3540C/8082A	Aroclor-1016	ND	0.50 μg/100 cm <sup>2</sup>	2/13/2020	AF	02/14/20 0:00	EH
3540C/8082A	Aroclor-1221	ND	0.50 μg/100 cm <sup>2</sup>	2/13/2020	AF	02/14/20 0:00	EH
3540C/8082A	Aroclor-1232	ND	0.50 μg/100 cm <sup>2</sup>	2/13/2020	AF	02/14/20 0:00	EH
3540C/8082A	Aroclor-1242	ND	0.50 μg/100 cm <sup>2</sup>	2/13/2020	AF	02/14/20 0:00	EH
3540C/8082A	Aroclor-1248	1.1	0.50 μg/100 cm <sup>2</sup>	2/13/2020	AF	02/14/20 0:00	EH
3540C/8082A	Aroclor-1254	1.6	0.50 μg/100 cm²	2/13/2020	AF	02/14/20 0:00	EH
3540C/8082A	Aroclor-1260	0.63	0.50 μg/100 cm <sup>2</sup>	2/13/2020	AF	02/14/20 0:00	EH
3540C/8082A	Aroclor-1262	ND	0.50 μg/100 cm <sup>2</sup>	2/13/2020	AF	02/14/20 0:00	EH
3540C/8082A	Aroclor-1268	ND	0.50 μg/100 cm <sup>2</sup>	2/13/2020	AF	02/14/20 0:00	EH

Collected: Lab ID: 2/10/2020 012001562-0005 Client Sample Description 5

Method	Parameter	Result	RL Units	Prep Date & An		Analysis Date & Analy	yst
GC-SVOA							
3540C/8082A	Aroclor-1016	ND	0.50 μg/100 cm <sup>2</sup>	2/13/2020	AF	02/14/20 0:00	EH
3540C/8082A	Aroclor-1221	ND	0.50 μg/100 cm²	2/13/2020	AF	02/14/20 0:00	EH
3540C/8082A	Aroclor-1232	ND	0.50 μg/100 cm <sup>2</sup>	2/13/2020	AF	02/14/20 0:00	EH
3540C/8082A	Aroclor-1242	ND	0.50 μg/100 cm²	2/13/2020	AF	02/14/20 0:00	EH
3540C/8082A	Aroclor-1248	0.94	0.50 μg/100 cm <sup>2</sup>	2/13/2020	AF	02/14/20 0:00	EH
3540C/8082A	Aroclor-1254	0.94	0.50 μg/100 cm²	2/13/2020	AF	02/14/20 0:00	EH
3540C/8082A	Aroclor-1260	ND	0.50 μg/100 cm <sup>2</sup>	2/13/2020	AF	02/14/20 0:00	EH
3540C/8082A	Aroclor-1262	ND	0.50 μg/100 cm²	2/13/2020	AF	02/14/20 0:00	EH
3540C/8082A	Aroclor-1268	ND	0.50 μg/100 cm <sup>2</sup>	2/13/2020	AF	02/14/20 0:00	EH



200 Route 130 North, Cinnaminson, NJ 08077

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

http://www.EMSL.com EnvChemistry2@emsl.com

#### **Definitions:**

MDL - method detection limit

J - Result was below the reporting limit, but at or above the MDL

ND - indicates that the analyte was not detected at the reporting limit RL - Reporting Limit (Analytical)

D - Dilution Sample required a dilution which was used to calculate final results

EMSL Order: 012001562 CustomerID: JSHD42

CustomerPO:

ProjectID:



# Environmental Chemistry Chain of Custody

EMSL Order Number (Lab Use Only):

Please indicate reporting requirements:  Results Only  Results and QC instructions or Comments:		\$ 11 St	Released By (Signature) Date &	5	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	© 3   D   D	2 7 00	1 0 2 10 20	Client Sample ID  Client Sampl	Failure to complete will hinder processing of samples	Standard Turnaround Time: 2 Weeks TI	Samples Collected by: EMSL   Client   Check one	Sample for Compliance? Yes ☐ No ☐ If yes, NPDES? ☐	U.S. State where Samples Collected:	Project Name: 20011437 (+0)	Phone: Fax:	City: YORICAN State/Province: A	Street:	Company Name: JS Held	Report To Contact Name: Frobert Le14
		0)	& Time		/			Surface Many	W=Water 1=HCL S=Soil 2=HNO3 A=Air 3=H2SO4 SL=Sludge 4=ICE O= Other 5=Other	Pre	The following TATs are subject to lab approval:	e Sampled By (Signature):	S? Other (Specify):	Number of Samples in Shipment:	Con Email Results To:		Zip/Postal Code: 1			3
Reduced Deliverables Hzresult EDD	Mo	Rasi	Received By	N					PCBs	List Test(s) Needed	₩ Week		PWS ID #:	es in Shipment:		Phone:	City: State	Street:	Attention To:	Bill To Company:
DD	2/12 ga	2111/2020 8:30	Date & Time					10000	Comments Surface Alec	ded	4 Days 🗌 3 Days 🗎 2 Days 🔲 1 Day	Samples Received Chilled? (Y/N)	State Reporting Required? (Y/N)	Date of Shipment:	Purchase Order:	Fax:	State/Province: Zip/Postal Code:			Jahob com

acceptance and acknowledgment of all terms and conditions by Customer. EMSL Analytical, Inc.'s Laboratory Terms and Conditions are incorporated into this chain of custody by reference in their entirety. Submission of samples to EMSL constitutes

Page 1 of

pages

1

LIMITED ENVIRONMENTAL SAMPLING 430 ROUTE 209-HUGUENOT, NEW YORK J.S. HELD PROJECT NO. 20011437

# **AIR SAMPLE ANALYTICAL RESULTS**



200 Route 130 North, Cinnaminson, NJ 08077

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

Attn: Robert Leighton

Robert Leighton J.S. Held LLC 50 Jericho Quadrangle #117 Jericho, NY 11753

Phone: (516) 621-2900

Fax:

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 2/12/2020. The results are tabulated on the attached data pages for the following client designated project:

The reference number for these samples is EMSL Order #012001556. 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:

2/26/2020

Phillip Worby, Environmental Chemistry Laboratory Director



AIHA-LAP, LLC-IHLAP Lab # 100194 NELAP Certification: NJ 03036; NY 10872

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 unless specifically indicated. The final results are not blank corrected unless specifically indicated. The laboratory is not responsible for final results calculated using air volumes that have been provided by non-laboratory personnel. This report may not be reproduced except in full and without written approval by 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

Fax:

Phone: (516) 621-2900 EMSL Order:

CustomerID:

CustomerPO:

ProjectID:

012001556

JSHD42

Received: 02/12/20 9:00 AM

Attn: Robert Leighton J.S. Held LLC 50 Jericho Quadrangle #117 Jericho, NY 11753

Client Sample Desc	cription M1 Area C		Colle	ected:	2/10/2020	Lab ID:		012001556-0001		
Method	Parameter	Result	RL Units			Prep Date & Analyst		Analysis Date & Analyst		
METALS										
7300 Modified	Barium	ND	0.00093	mg/m³	2	2/18/2020	JA	2/19/2020	JW	
7300 Modified	Cadmium	ND	0.000093	mg/m³	2	2/18/2020	JA	2/19/2020	JW	
7300 Modified	Lead	0.00027	0.000093	mg/m³	2	2/18/2020	JA	2/19/2020	JW	
Client Sample Desc	cription M2 Area G		Colle	ected:	2/10/2020	Lab	D:	012001556-0	002	
Method	Parameter	Result	RL	Units		Prep Date & Analyst		Analysis Date & Analyst		
METALS										
7300 Modified	Barium	ND	0.00096	mg/m³	2	2/18/2020	JA	2/19/2020	JW	
7300 Modified	Cadmium	ND	0.000096	mg/m³	2	2/18/2020	JA	2/19/2020	JW	
7300 Modified	Lead	ND	0.000096	mg/m³	2	2/18/2020	JA	2/19/2020	JW	
Client Sample Desc	cription M3 Area A		Colle	ected:	2/10/2020	Lab	D:	012001556-0	003	
Method	Parameter	Result	RL	Units		Prep Date & Analyst		Analysis st Date & Anal		
METALS										
IVIE I ALO						2/18/2020	JA	2/19/2020	JW	
	Barium	ND	0.00090	mg/m³	2	2/10/2020	JA	2/10/2020		
7300 Modified	Barium Cadmium	ND ND	0.00090 0.000090	mg/m³ mg/m³		2/18/2020	JA	2/19/2020	JW	
7300 Modified 7300 Modified				mg/m³	2				JW	
7300 Modified 7300 Modified	Cadmium Lead	ND	0.000090 0.000090	mg/m³	2	2/18/2020 2/18/2020	JA	2/19/2020	JW	
7300 Modified 7300 Modified 7300 Modified	Cadmium Lead cription M4	ND	0.000090 0.000090 Colle	mg/m³	2	2/18/2020 2/18/2020	JA JA JD:	2/19/2020 2/19/2020	JW 0004	
7300 Modified 7300 Modified 7300 Modified Client Sample Desc	Cadmium  Lead  cription M4  Area F	ND ND	0.000090 0.000090 Colle	mg/m³ mg/m³ ected:	2	2/18/2020 <mark>2/18/2020 Lab</mark> <b>Prep</b>	JA JA JD:	2/19/2020 2/19/2020 012001556-0	JW 0004	

ND

0.00051

0.00010 mg/m<sup>3</sup>

0.00010 mg/m<sup>3</sup>

2/18/2020

2/18/2020

JA

JA

2/19/2020

2/19/2020

JW

JW

Cadmium

Lead

7300 Modified

7300 Modified



200 Route 130 North, Cinnaminson, NJ 08077 Phone/Fax: (856) 303-2500 / (856) 858-4571

http://www.EMSL.com

EnvChemistry2@emsl.com

EMSL Order: CustomerID: CustomerPO: 012001556 JSHD42

ProjectID:

Attn: Robert Leighton J.S. Held LLC 50 Jericho Quadrangle #117 Jericho, NY 11753

Phone: (516) 621-2900 Fax:

Received: 02/12/20 9:00 AM

## **Analytical Results**

Client Sample Description	<b>n</b> M5 Area F/Rear Room		Colle	ected:	2/10/2020	Lab	ID:	012001556-	0005
Method	Parameter	Result	RL	Units		Prep Date & An		Analys Date & Ar	
METALS									
7300 Modified	Barium	ND	0.0010	mg/m³	2	2/18/2020	JA	2/19/2020	JW
7300 Modified	Cadmium	ND	0.00010	mg/m³	2	2/18/2020	JA	2/19/2020	JW
7300 Modified	Lead	0.00017	0.00010	mg/m³	2	2/18/2020	JA	2/19/2020	JW

## **Definitions:**

MDL - method detection limit

J - Result was below the reporting limit, but at or above the MDL

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

RL - Reporting Limit (Analytical)

D - Dilution Sample required a dilution which was used to calculate final results



## Industrial Hygiene Chain of Custody

EMSL Order Number (Lab Use Only):

TORN IN MOUNTAINS

	ill Apply Media Type:	dard 2 Week TAT Wi	No Selection Made, Stand	Turnaround Time (TAT) - Please Check: If No Selection Made, Standard 2 Week TAT Will Apply
D. Age.	Sampled By (Signature):	Purchase Order:		#Samples in Shipment: S Date of Shipment
U.S. State where Samples Collected:	J.S. Stat	Email Results To:		Project Name: C&P Technologies Blog.
	Fax:	Phone:		Phone: 6516 621- 2900 Fax:
Zip/Postal Code:	State/Province:	S City:	Zip/Postal Code: 1/753 City:	City: Texicho State/Province: NY
		Street:		Street: 50 Jerich audrangle
		Attention To:	)   	Company Name:
Client ID #:	m: - Jame-	Bill To Company:	るまですべ	Report To Contact Name: Cober
First (858) 858 1502		012001556	01:	EMSL ANALYTICAL, INC.

Location Description Type (Ipm) On Off Volume  Area  A	Date				Y	Received By	R	Date		· · · · · · · · · · · · · · · · · · ·		Released By
ation Description Type (Ipm) On Off Volume Name Media  C Personal 21/21 1136 1551 535.5  Area Personal 21/21 1140 1600 520.0  Personal 1.9/1.9 1141 1556 478.8  Personal 2.0/2.0 1145 1555 500.0  Personal 2.0/2.0 1145 1555 500.0  Personal Personal 2.0/2.0 1145 1555 500.0		s and duplicates.	of field blanks	oper number	bmit the pr	sibility to su	pier's respons	e ith field sam	id blanks at is th	methods require de	OSH and OSHA	lore: Most NIC
ation Description Type (Ipm) On Off Volume Name Media  Area Personal 21/2.1 1136 1551 535.5  Area Personal 21/2.1 1140 1600 520.0  Area Personal 21/2.1 1141 1556 478.8  Personal 20/2.0 1145 1555 500.0  Area Personal 20/2.0 1145 1555 500.0								O Area O Personal				
A Personal 2/21 1145 1555 500.0  Rarea Personal 2/2.0 1145 1555 500.0  Rarea Personal 2/2.0 1145 1555 500.0								□ Area □ Personal				
Area   14/2.1   140   600   535.5   6   6   6   6   7   7   7   7   7   7								□ Area □ Personal		Per Rom		
Area Personal 2/21 114 15 478.8 Media Media				500.0	1852	-	20/20	☐ Personal		Ava F		35
A Personal 2/21 1140 1600 537 558.6 L				TOTAL DE LES	1550	1==	1:9/19	☐ Personal		Ary F		hu
ation Description Type (lpm) On Off Volume Name Media  G Personal 2,1/2,1 1136 1551 535.5  G Personal 2,0/10 1140 1600 520.0			558.6	\$252 A	1608 -	the	2/21	☐ Area ☐ Personal		Aru A		23
ation Description Type (Ipm) On Off Volume Name Media				5200	1600	llyo	2.0/20			Ara G		M2.
Location Description Type (Ipm) On Off Volume Name Media				535.5	12.21	1136		☐ Area ☐ Personal		Aven (	2/10/20	100
Sample Flow Sample Time Air Analyte	Comments	Media	Analyte Name	Air	e Time Off	Sample 1	Flow (lpm)	Sample Type	Description	Location	Sample Date	Client Sample ID

@ @ROO

4 Day

3 Day

2 Day

☐ 1 Day ☐ Other (Call Lab)

Manufacturer/Part #:

Lot #:

OrderID: 012001556

Lead, Cadmium, Bartum 2 week TAT 2/13/20 TA-

	00155	_				(3)	8	76	00	00	S		# (0	P	P	City:	St	CC	Re	S I m
Comments:						351	4h	S	22	7	Client Sample ID	Turnarou 2 Week	# Samples in Shipment:	Project Name:	Phone: @SIL	4	Street:	Company Name	port To Co	EMSL ANALYTICAL, INC.
> Metals;		OSH and OSH				_			_	2/10/20	Sample Date	Turnaround Time (TAT)  2 Week	Shipment:		621-	vicho	50 Jeviche	ne:	Report To Contact Name:	AL, INC.
199		Most NIOSH and OSHA methods require field blanks.			-Rear Room	Avea F	Aven F	Avea A	Arm G	Ara C	Location	1	Date		2900 Fax:	State/Province:	he Quadr	Sile	Robert	
mail for n											Description	Please Check: If No Selection Made, Standard 2 Week TAT Will Apply  4 Day 3 Day 2 Day 1 Day 0 Other (Call Lab)	Date of Shipment:		-	Zip/Pos	angle	0	Leagh	
retail of		It is the IH field sampler's responsibility to submit the proper number of field blanks and duplicates  Date  Received By	□ Area □ Personal	☐ Area ☐ Personal	☐ Area☐ Personal	☐ Area ☐ Personal	☐ Area ☐ Personal	☐ Area ☐ Personal	□ Area □ Personal	Area	Sample Type	on Made, St	Purc	Ema		Zip/Postal Code: 1			ない	Chain of C EMSL Order Number
Signatu		npler's respon				20/20	1.9/19	2.1/21	2.0/20	21/21	Flow (lpm)	andard 2 W	Purchase Order:	Email Results To:	Pt	753 CI	St	At	Bi	Chain of Custody Order Number (Lab Use Conder
tur and		Received By				1145	114	the	MAD	1136	1 1-1	leek TAT W ☐ Other (0		×	Phone:	City:	Street:	Attention To:	Bill To Company:	ustody (Lab Use Only):
THT 2	am	y V				1855	1252	1608	1600	1221	e Time Off	Vill Apply Call Lab)	Samp					7	ny:	
128	) Ann	per number o				5000	478.8	537.6	5200	535.5	Air Volume	Media Type: Manufacture	Sampled By (Signature):			State/			Seine	
		of field blanks									Analyte Name	Media Type: Manufacturer/Part #:	ature):	U.S. Sta	Fax:	State/Province:			2-	
m gar		and duplicat									Media	t #:		te where Sa		Zip			Client ID #:	CIA PH
8:30	ar file	bes.  Date									Comments	Lot #:		U.S. State where Samples Collected:		Zip/Postal Code:			ID #:	200 ROUTE 130 NORTH CINNAMINSON, NJ 08077 PHONE: (800) 220-3675 FAX: (856) 858-3502



Attn:

## **EMSL** Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

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

2/26/2020

Robert Leighton J.S. Held LLC 50 Jericho Quadrangle #117 Jericho, NY 11753

Phone: (516) 621-2900

Fax:

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 2/12/2020. The results are tabulated on the attached data pages for the following client designated project:

## **C&D Technologies Bldg**

The reference number for these samples is EMSL Order #012001557. 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, Environmental Chemistry Laboratory Director



AIHA-LAP, LLC-IHLAP Lab # 100194 NELAP Certification: NJ 03036; NY 10872

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 AIHA, unless specifically indicated. The final results are not field blank corrected. The laboratory is not responsible for final results calculated using air volumes that have been provided by non-laboratory personnel. This report may not be reproduced except in full and without written approval by EMSL Analytical, Inc.



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http://www.EMSL.com

EnvChemistry2@emsl.com

Phone: (516) 621-2900 EMSL Order:

CustomerID:

CustomerPO:

ProjectID:

012001557

JSHD42

Received: 02/12/20 9:00 AM

Attn: Robert Leighton J.S. Held LLC 50 Jericho Quadrangle #117 Jericho, NY 11753

Project: C&D Technologies Bldg

## **Analytical Results**

Fax:

Client Sample Des	cription P-1		Colle	ected:	2/10/2020	Lab	ID:	012001557-0	0001
Method	Parameter	Result	RL	Units	Dat	Prep e & Ana	alyst	Analys Date & An	
GC-SVOA									
5503 Modified	Aroclor-1016	ND	0.00096	mg/m³	2/18/2	2020	RS	2/18/2020	EH
5503 Modified	Aroclor-1221	ND	0.00096	mg/m³	2/18/2	2020	RS	2/18/2020	EH
5503 Modified	Aroclor-1232	ND	0.00096	mg/m³	2/18/2	2020	RS	2/18/2020	EH
5503 Modified	Aroclor-1242	ND	0.00096	mg/m³	2/18/2	2020	RS	2/18/2020	EH
5503 Modified	Aroclor-1248	ND	0.00096	mg/m³	2/18/2	2020	RS	2/18/2020	EH
5503 Modified	Aroclor-1254	ND	0.00096	mg/m³	2/18/2	2020	RS	2/18/2020	EH
5503 Modified	Aroclor-1260	ND	0.00096	mg/m³	2/18/2	2020	RS	2/18/2020	EH
5503 Modified	Aroclor-1262	ND	0.00096	mg/m³	2/18/2	2020	RS	2/18/2020	EH
5503 Modified	Aroclor-1268	ND	0.00096	mg/m³	2/18/2	2020	RS	2/18/2020	EH
Client Sample Des	cription P-2		Colle	ected:	2/10/2020	Lab	ID:	012001557-0	0002
Method	Parameter	Result	RL	Units	Dat	Prep e & Ana	alyst	Analys Date & An	
GC-SVOA									
5503 Modified	Aroclor-1016	ND	0.00097	mg/m³	2/18/2	2020	RS	2/18/2020	EH
5503 Modified	Aroclor-1221	ND	0.00097	mg/m³	2/18/2	2020	RS	2/18/2020	EH
5503 Modified	Aroclor-1232	ND	0.00097	mg/m³	2/18/2	2020	RS	2/18/2020	EH
5503 Modified	Aroclor-1242	ND	0.00097	mg/m³	2/18/2	2020	RS	2/18/2020	EH
5503 Modified	Aroclor-1248	ND	0.00097	mg/m³	2/18/2	2020	RS	2/18/2020	EH
5503 Modified	Aroclor-1254	ND	0.00097	mg/m³	2/18/2	2020	RS	2/18/2020	EH
5503 Modified	Aroclor-1260	ND	0.00097	mg/m³	2/18/2	2020	RS	2/18/2020	EH
5503 Modified	Aroclor-1262	ND	0.00097	mg/m³	2/18/2	2020	RS	2/18/2020	EH
5503 Modified	Aroclor-1268	ND	0.00097	mg/m³	2/18/2	2020	RS	2/18/2020	EH
Client Sample Des	cription P-3		Colle	ected:	2/10/2020	Lab	ID:	012001557-0	0003
Method	Parameter	Result	RL	Units	Dat	Prep e & Ana	alyst	Analys Date & An	
GC-SVOA					Date & Analyst				
5503 Modified	Aroclor-1016	ND	0.00096	mg/m³	2/18/2	2020	RS	2/18/2020	EH
5503 Modified	Aroclor-1221	ND	0.00096	mg/m³	2/18/2	2020	RS	2/18/2020	EH
5503 Modified	Aroclor-1232	ND	0.00096	mg/m³	2/18/2	2020	RS	2/18/2020	EH
5503 Modified	Aroclor-1242	ND	0.00096	mg/m³	2/18/2	2020	RS	2/18/2020	EH
5503 Modified	Aroclor-1248	ND	0.00096	mg/m³	2/18/2	2020	RS	2/18/2020	EH



200 Route 130 North, Cinnaminson, NJ 08077 Phone/Fax: (856) 303-2500 / (856) 858-4571

http://www.EMSL.com EnvChemistry2@emsl.com

EMSL Order: CustomerID: CustomerPO:

ProjectID:

012001557 JSHD42

Attn: Robert Leighton J.S. Held LLC 50 Jericho Quadrangle #117 Jericho, NY 11753

Project: C&D Technologies Bldg

Phone:

(516) 621-2900

Fax:

Received: 02/12/20 9:00 AM

**Analytical Results** 

Client Sample Description P-3 Collected: 2/10/2020 Lab ID: 012001557-0003

Method	Parameter	Result	RL	Units	Prep Date & Analys		alysis Analyst
GC-SVOA							
5503 Modified	Aroclor-1254	ND	0.00096	mg/m³	2/18/2020 F	RS 2/18/2020	) EH
5503 Modified	Aroclor-1260	ND	0.00096	mg/m³	2/18/2020 F	RS 2/18/2020	) EH
5503 Modified	Aroclor-1262	ND	0.00096	mg/m³	2/18/2020 F	RS 2/18/2020	) EH
5503 Modified	Aroclor-1268	ND	0.00096	mg/m³	2/18/2020 F	RS 2/18/2020	) EH

Client Sample Description P-4 Collected: 2/10/2020 Lab ID: 012001557-0004

Method	Parameter	Result	RL	Units	Prep Date & Analyst	Analy: Date & Al	
GC-SVOA							
5503 Modified	Aroclor-1016	ND	0.00025	mg/m³	2/18/2020 RS	2/18/2020	EH
5503 Modified	Aroclor-1221	ND	0.00025	mg/m³	2/18/2020 RS	2/18/2020	EH
5503 Modified	Aroclor-1232	ND	0.00025	mg/m³	2/18/2020 RS	2/18/2020	EH
5503 Modified	Aroclor-1242	ND	0.00025	mg/m³	2/18/2020 RS	2/18/2020	EH
5503 Modified	Aroclor-1248	ND	0.00025	mg/m³	2/18/2020 RS	2/18/2020	EH
5503 Modified	Aroclor-1254	ND	0.00025	mg/m³	2/18/2020 RS	2/18/2020	EH
5503 Modified	Aroclor-1260	ND	0.00025	mg/m³	2/18/2020 RS	2/18/2020	EH
5503 Modified	Aroclor-1262	ND	0.00025	mg/m³	2/18/2020 RS	2/18/2020	EH
5503 Modified	Aroclor-1268	ND	0.00025	mg/m³	2/18/2020 RS	2/18/2020	EH

Lab ID: Client Sample Description Collected: 2/10/2020 012001557-0005

Method	Parameter	Result	RL	Units	Prep Date & Analyst	Analys Date & Ar	
GC-SVOA							
5503 Modified	Aroclor-1016	ND	0.00024	mg/m³	2/18/2020 RS	2/19/2020	EH
5503 Modified	Aroclor-1221	ND	0.00024	mg/m³	2/18/2020 RS	2/19/2020	EH
5503 Modified	Aroclor-1232	ND	0.00024	mg/m³	2/18/2020 RS	2/19/2020	EH
5503 Modified	Aroclor-1242	ND	0.00024	mg/m³	2/18/2020 RS	2/19/2020	EH
5503 Modified	Aroclor-1248	ND	0.00024	mg/m³	2/18/2020 RS	2/19/2020	EH
5503 Modified	Aroclor-1254	ND	0.00024	mg/m³	2/18/2020 RS	2/19/2020	EH
5503 Modified	Aroclor-1260	ND	0.00024	mg/m³	2/18/2020 RS	2/19/2020	EH
5503 Modified	Aroclor-1262	ND	0.00024	mg/m³	2/18/2020 RS	2/19/2020	EH
5503 Modified	Aroclor-1268	ND	0.00024	mg/m³	2/18/2020 RS	2/19/2020	EH



200 Route 130 North, Cinnaminson, NJ 08077

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

http://www.EMSL.com EnvChemistry2@emsl.com

## **Definitions:**

MDL - method detection limit

J - Result was below the reporting limit, but at or above the MDL

ND - indicates that the analyte was not detected at the reporting limit RL - Reporting Limit (Analytical)

D - Dilution Sample required a dilution which was used to calculate final results

EMSL Order: 012001557 CustomerID: JSHD42

CustomerPO: ProjectID:

OrderID: 012001557

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pages

21111 2020 8:300

mayor gan

Comments:



## Industrial Hygiene Chain of Custody

)	al Pages of the Chain of Custody are or	ALYTICAL, INC.
) · · · · · · · · · · · · · · · · · · ·	al Pages of the Chain of Custody are only necessary if needed for additional sample information	O 12001SS7
		PHONE: (800) 220-36 FAX: (856) 858-35

200 ROUTE 130 NORTH CINNAMINSON, NJ 08077 PHONE: (800) 220-3675 FAX: (856) 858-3502 EMSL ANALYTICAL, INC.

Client Sample ID	Sample Date	Client Sample Location Description Sample Flow Sample Time	Description	Sample	Flow	Sample	Time	Air	Analyte Name	Media	Comments
P	2/10/20	Areac		☐ Area ☐ Personal	01/01		1523	26 L	PCB		
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## Chain of Custody EMSL Order Number (Lab Use Only): **Environmental Chemistry**

	0
PHONE: (800) 220-3675 FAX: (856) 786-5974	EMSL ANALYTICAL, INC. 200 ROUTE 130 NORTH CINNAMINSON, NJ 08077
ONE: (800) 220-3675 Fax: (856) 786-5974	ANAL)
786-	130 N
3675 5974	NC. ORTH 8077

Instructions or Comments:	Please indicate reporting requirements: 🗌 Results Only 🗍 Results and QC 🗎 Reduced Deliverables 🗎 Disk Deliverable 🗎 Other		Stort.	Released By (Signa	PS	RY	P-3	P-2	p-1	Client Sample ID	Failure to complete will hinder processing of samples	Standard Turnaround Time:	Samples Collected by: EMSI	Sample for Compliance? Yes 🗌 No 🗎 If yes, NPDES? 🗎	U.S. State where Samples Collected:	Project Name: C&D	Phone: 516 621-21	city: Tericho k	Street: 50 Jeni	Company Name:	Report To Contact Name:
	requir		1	ature)						Comp Grab	der pro		ISL 🗌	Yes [	Collec	tech	2900	State/P	3	JIS	0
	ements: Results		2/10/20	Da					2/10/2020	Collect Date/Time	cessing of samples	▼ 2 Weeks	Client W check one	No   If yes, NPD	sted: NY	Technologies Blda	Fax:	State/Province: NY	Quadrangle	Held Lic	Robert Leight
	Only   Resu			Date & Time	V				A	W=Water S=Soil A=Air SL=Sludge O= Other	Matrix	The following			2		· · · · · · · · · · · · · · · · · · ·	Zip/Postal Code:			hon
Note:Field pH and Field Temperatur	ults and QC				V				4	1=HCL 2=HNO3 3=H2SO4 4=ICE 5=Other	Preservative	The following TATs are subject to lab approval:	Sampled By (Signature):	Other (Specify):	Number of Samples in Shipment:	Email Results To:	のないないと	ode: 1/753			
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(Lab) Received Temperature: \_\_

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OrderID: 012001557



## LA Testing 5431 Industrial Drive, Huntington Beach, CA 92649

Order ID: 332002982

Attn: Robert Leighton Customer ID: JSHD42

J.S. Held LLC Customer PO:

Date Received: 02/13/20

50 Jericho Quadrangle #117 Jericho, NY 11753

LA Testing Order: 332002982

Fax: Project:

Phone: 516-621-2900

E-mail: <u>RLeighton@jsheld.com</u>

Report Date: 02/25/20 Date Analyzed: 02/21/20

## Particulate Fluoride & Hydrofluoric Acid via NIOSH 7906M, Issue 2 (SKC 225-9031)

LA Testing Sample ID	Sample ID	Volume (L)	Test	Result (µg/Filter)	Result (mg/m³)	Reporting Limit (µg/Filter)
332002982-0001	F1	275	Particulate Fluoride	< 5.0	< 0.018	5.0
			Hydrofluoric Acid	< 5.3	< 0.019	5.3
332002982-0002	F2	256	Particulate Fluoride	< 5.0	< 0.020	5.0
			Hydrofluoric Acid	< 5.3	< 0.021	5.3
332002982-0003	F3	282.7	Particulate Fluoride	< 5.0	< 0.018	5.0
			Hydrofluoric Acid	< 5.3	< 0.019	5.3
332002982-0004	F4	234.9	Particulate Fluoride	< 5.0	< 0.021	5.0
			Hydrofluoric Acid	< 5.3	< 0.022	5.3
332002982-0005	F5	288.2	Particulate Fluoride	< 5.0	< 0.017	5.0
			Hydrofluoric Acid	< 5.3	< 0.018	5.3

Sample received in acceptable condition unless otherwise noted. LA Testing dba EMSL does not hold responsibility for sampling activities. This report may not be reproduced except in full, without written approval by LA Testing. The results in this report have not been blank corrected. Quality Control Data associated with this sample set is within acceptable limits, unless otherwise noted.

**JD** Analyst Michael Chapman, IH Unit Leader

*Or other approved signatory* 

# #332002982

## **Environmental Chemistry** Chain of Custody

PHONE:

EMSL Order Number (Lab Use Only)

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Instructions or Comments:	Please Indicate reporting requirements: Results Only Results and QC Reduced Deliverables	0/2 JAN	Released By (Signature)	4 00 53		F3   00	F3 00	CS11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Client Sample ID p Collect G G Date Time	Failure to complete will hinder processing of sample	Standard Turnaround Time: 172 Weeks	Samples Collected by: EMSL   Client   Check one	Sample for Compliance? Yes No No U yes, NI	U.S. State where Samples Collected: NY	Project Name: CRD Technologies Bldg.	Phone: 5/4 621- 2900 Fax:	City: Pa Turke State Province: NY	Street: 50 Jeneto Que	Company Name: TS Held LLC	Report To Contact Name: Robort
MTH 2/128/	its Only Results and OC R	100	Date & Time	288.21	234.5 1	232.41	256 H	7 2057	W=Water 1=HCL S=Soil 2=HNO3 A=Air 3=H2SO4 SL=Sludge 4=ICE O= Other 5=Other	s Matrix Preservative	The following TATs are subject to lab appr	k one Sampled By (Signature):	If yes, NPDES? Other (Specify):	Number of Samples	Email Results To:		ZipiPostal Code: (1753	district.		en Ar
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Dec: 10 (email) 2/3/20 3:55 PM	D   Excel Other   20		Date & Time	787.2	234.9	282.7	256.0	275.0	Comments	ed	4 Days 3 Days 2 Days 1 Day	Samples Received Chilled? (Y/N)	State Reporting Required? (YIN)	Date of Shipment:	Co- Purchase Order:	Fax:	State/Province: Zip/Postal Code:			Ser.
55 PN	1 2																			

yelical, Inc.'s Laboratory Terms and Conditions are incorporated into this chain of custody by reference in their entirety. Submission of samples to EMSL constitutes

Page 1 of pages

Page 1 Of

2

EMSL Analytical, Inc.



## #332002982

EMSL Analytical, Inc.

# Environmental Chemistry Chain of Custody

City: 94 WELD State/Province: 107 Zip/Postal Code: 1173 City:  Phone: 514 6-21- 2000 Fax:  Phone: 514 6-21- 2000 Fax:	advarte	Company Name: J.S. Held LLC Attention To:	Report To Contact Name: Robert Ley Atr- Bill To Company:	EMSL Order Number (Lab Use Only):
State/Province:			- Same-	2
Zip/Postal Code:				PHONE:

Flease market reporting requirements.   Nesdits Only   Nesdits and We   Nesdits of Deliverage   Inzresuit EDD	Booulto Only Booulto and OC Bodinged Delivery Booult EDD	The sanguage with	Released By (Signature)	F5 00 288.2L	C4 00 234.9 L	F3 00 282.7L	F3 00 2561	F1 00 2/10/20 1185 2754 1	Client Sample ID  Collect Collect Collect Collect Collect Collect Collect S=Soil Collect S=Soil SL=Sludge SL=Sludge Collect SL=Sludge Collect SL=Sludge Collect SL=Sludge SL=Sludge Collect SL=Sludge SL=Sludge Collect SL=Sludge SL=Sludge Collect Collect SL=Sludge Co	Failure to complete will hinder processing of samples Matrix Preservative List Test(s) Needed	Standard Turnaround Time: 🗌 2 Weeks The following TATs are subject to lab approval: 🗎 1 Week 🗎 4 Days 🗎 3 Days 🗎	Samples Collected by: EMSL  Client Check one Sampled By (Signature):  Samples Re	Sample for Compliance? Yes 🗌 No 🗍 If yes, NPDES? 🗍 Other (Specify): PWS ID #: State Reporting	U.S. State where Samples Collected: Number of Samples in Shipment: Date of Sh	Project Name: Email Results To: R Leighton & Sheld can Purchase	Phone: 51.6 624 - 29.00 Fax: Phone: Fax:	City: Pa Turble State/Province: NY Zip/Postal Code: 1/753 City: State/Province:	Street: SO Jericho Qualvary & Street:
( ) a c   E   C	□Excel Other	Ships 8:34	Date & Time	288:2	234.9	282,7	256.0	275.0	Comments			Samples Received Chilled? (Y/N)	State Reporting Required? (Y/N)	Date of Shipment:	Purchase Order:	×	vince: Zip/Postal Code:	

acceptance and acknowledgment of all terms and conditions by Customer. EMSL Analytical, Inc.'s Laboratory Terms and Conditions are incorporated into this chain of custody by reference in their entirety. Submission of samples to EMSL constitutes

Page 1 of

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2

L	IMITED ENVIRONMENTAL SAMPLING
430 R	OUTE 209-HUGUENOT, NEW YORK
i	S HELD PROJECT NO 20011437

## **ASBESTOS BULK SAMPLE ANALYTICAL RESULTS**



307 West 38th Street New York, NY 10018
Tel/Fax: (212) 290-0051 / (212) 290-0058
http://www.EMSL.com / manhattanlab@emsl.com

**EMSL Order:** 032002936 **Customer ID:** JSHD42

Customer PO: Project ID:

**Attention:** Robert Leighton Phone: (917) 881-9574

J.S. Held LLC Fax:

50 Jericho Quadrangle #117 Received Date: 02/11/2020 1:07 PM

Jericho, NY 11753 Analysis Date: 02/12/2020 Collected Date: 02/10/2020

Project: 20011437/430 RT 209 HUGUENOT / WAREHOUSE

Analyzed

## Test Report: Asbestos Analysis of Bulk Material

## Non-Asbestos

Test	Date	Color	Fibrous	Non-Fibrous	Asbestos
Sample ID 01		Description	WAREHOUSE INTE	RIOR - BRICK (ON FLOOR)	
032002936-0	0001	Homogeneity	Homogeneous		
PLM NYS 198.1 Friable	02/12/2020	Red 2.00	% Cellulose	7.00% Ca Carbonate 56.00% Non-fibrous (other) 35.00% Quartz	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 02		Description	WAREHOUSE INTE	RIOR - BRICK (ON FLOOR)	
032002936-0	0002	Homogeneity	Homogeneous		
PLM NYS 198.1 Friable	02/12/2020	Brown		65.00% Non-fibrous (other) 35.00% Quartz	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 03		Description	WAREHOUSE INTE	RIOR - ROOFING MEMBRANE	
032002936-0	0003	Homogeneity	Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	02/12/2020	Black		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	02/12/2020	Black		100.00% Other	None Detected
Sample ID 04		Description	WAREHOUSE INTE	RIOR - ROOFING MEMBRANE	
032002936-0	0004	Homogeneity	Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	02/12/2020	Black		100.00% Other	Inconclusive: None Detected
Final Residue <1% of ori	ginal subsample.				
TEM NYS 198.4 NOB	02/12/2020	Black		100.00% Other	None Detected
Sample ID 05		Description	WAREHOUSE INTE	RIOR - CEMENT CEILING PANEL	
032002936-0	0005	Homogeneity	Homogeneous		
PLM NYS 198.1 Friable	02/12/2020	Beige 3.00	9% Cellulose	35.00% Ca Carbonate 52.00% Non-fibrous (other) 10.00% Quartz	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed

Initial report from: 02/12/2020 17:28:32



**EMSL Order**: 032002936 **Customer ID**: JSHD42

Customer PO: Project ID:

## **Test Report: Asbestos Analysis of Bulk Material**

### Non-Asbestos Analyzed Non-Fibrous Color **Fibrous** Asbestos Test Date WAREHOUSE INTERIOR - CEMENT CEILING PANEL Sample ID Description 032002936-0006 Homogeneity Homogeneous 02/12/2020 6.00% Cellulose 15.00% Ca Carbonate **None Detected** PLM NYS 198.1 Friable Gray 55.00% Gypsum 24.00% Non-fibrous (other) **PLM NYS 198.6 VCM** Not Analyzed PLM NYS 198.6 NOB **Not Analyzed TEM NYS 198.4 NOB** Not Analyzed

Initial report from: 02/12/2020 17:28:32



**EMSL Order**: 032002936 **Customer ID**: JSHD42

Customer PO: Project ID:

## **Test Report: Asbestos Analysis of Bulk Material**

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk Materials via NYS ELAP Approved Methods. The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.

### **Report Comments:**

Sample Receipt Date: 2/11/2020
Analysis Completed Date: 2/12/2020

Sample Receipt Time: 1:07 PM
Analysis Completed Time: 9:40 AM

Analyst(s):

Kerrie Gibson Pl M NYS 198 1 Friable (2)

Kerrie Gibson PLM NYS 198.6 NOB (2)

Krystal Harris PLM NYS 198.1 Friable (2)

Venisha Lazarus-Barnes TEM NYS 198.4 NOB (2)

Samples reviewed and approved by:

James Hall, Laboratory Manager or Other Approved Signatory

NOB = Non Friable Organically Bound N/A = Not Applicable VCM = Vermiculite Containing Material

-In New York State, TEM is currently the only method that can be used to determine if NOB materials can be considered or treated as non-asbestos containing. All samples examined for the presence of vermiculite when analyzed via NYS 198.1.

-NYS Guidelines for Vermiculite containing samples are available at http://www.wadsworth.org/labcert/elapcert/forms/VermiculiteInterimGuidance\_Rev070913.pdf EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. Samples were received in good condition unless otherwise noted.

This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. This report may contain data that is not covered by the NVLAP accreditation.

Samples analyzed by EMSL Analytical, Inc. New York, NY NYS ELAP 11506

JS HELD

BULK SAMPLE DATA AND CHAIN OF CUSTODY FORM

JS HELD

OrderID:

Date: Client:	Project Name:	JSH Project No.: 20011437	Batch No.
430 Rt. 209 Huguenot	Functional Space:	Reference Drawing(s):	Laboratory: EMSL
Inspector: Joseph Hunter	Project Manager: Robert Leighton	Project Manager:	Analysis:
E-Mail Results to: JHunter@jsheld.com	E-Mail Results to: RLeighton@jsheld.com	E-Mail Results to:	TAT: 24 hours (US)

NA NA		2		ACM Quantity	intity		u	c	- 1	
	Sample ID No.	Sample Location	Material Sampled	5	SF	Friable (Y/N)	oitibnoO	Il otodq	MDA ( N \ Y )	Notes / Dimensions
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La trate	X	2/10/20			TARK D	200/11/20	(DAC)
Relinquished by (Print Name):	Relinquished by (Signature):	Date:	Time:	Received by (Print Name):	Received by (Signature):	Date:	Time:

\*STOP AT FIRST POSITIVE (

Comments:

OrderID: 032002936 Time: Notes / Dimensions Time: NO B AB 24 hours EMSL Page NOB PH 1 07 Laboratory: EMSL 2020 FEB JS HELD (N/A) MOA Batch No. Analysis: TAT: 14 boon 02-12-2020 отонч Received by (Signature): Received by (Signature) Condition ISH Project No.: (N/A) Friable SF Reference Drawing(s) ACM Quantity E-Mail Results to: Project Manager: BULK SAMPLE DATA AND CHAIN OF CUSTODY FORM ٣ Received by (Print Name): Received by (Print Name): \*STOP AT FIRST POSITIVE (eiling Panel Roofing Membrane Gr Alour Material Sampled Time: Time: Project Manager: Robert Leighton Warehouse りたられ ement RLeighton@jsheld.com 0 Date: Date: E-Mail Results to: Functional Space: Project Name: Interior Relinquished by (Signature): Relinquished by (Signature): Sample Location ( Dave house 不多 JS HELD Inspector: Joseph Hunter 430 Rt. 209 200 Relinquished by (Print Name): Relinquished by (Print Name): JHunter@jsheld.com Bulk Sample ID 8 03 8 0 E-Mail Results to: 00/07 OrderID: HA No. R N Date: 2 Of 2 Page

LIMITED ENVIRONMENTAL SAMPLING
430 ROUTE 209-HUGUENOT, NEW YORK
LS HELD PROJECT NO 20011437

## **LEAD PAINT CHIP ANALYTICAL RESULTS**



Attn: Robert Leighton

J.S. Held LLC

Jericho, NY 11753

## EMSL Analytical, Inc.

528 Mineola Avenue, Carle Place, NY 11514

(516) 997-7251 / (516) 997-7528

http://www.EMSL.com carleplacelab@emsl.com

> Phone: (516) 621-2900

EMSL Order:

CustomerID:

CustomerPO:

ProjectID:

062003022

JSHD42

20011437

Fax:

Received: 02/11/20 5:17 PM

Collected: 2/10/2020

Project: 430 RT. 209 Huguenot; Warehouse Project#: 20011437

50 Jericho Quadrangle #117

## Test Report: Lead in Paint Chips by Flame AAS (SW 846 3051A/7000B)\*

Client Sample Description	Lab ID	Collected	Analyzed	Lead <b>Concentration</b>
1	062003022-000	1 2/10/2020	2/12/2020	0.17 % wt
	Site: Area C Desc: Yellow C	olumn Paint		
2	062003022-0002	2 2/10/2020	2/12/2020	3.6 % wt
	Site: Area F Desc: White Co	olumn Paint (	Primer on Backside)	
3	062003022-0003	3 2/10/2020	2/12/2020	2.1 % wt
	Site: Area F Desc: Gray Cor	ncrete Floor F	Paint	
4	062003022-0004	4 2/10/2020	2/12/2020	0.038 % wt
	Site: Area C Desc: Orange N	/letal Beam P	rimer	
5	062003022-000	5 2/10/2020	2/12/2020	0.24 % wt
	Site: Area G Desc: White C.I	M.V Wall Pai	nt	
6	062003022-0006	6 2/10/2020	2/12/2020	0.024 % wt
	Site: Area A Desc: Blue Colu	umn ( Metal )	Paint	

Alger Liang, Lead Laboratory Manager or other approved signatory

\*Analysis following Lead in Paint by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 0.008 % wt based on the minimum sample weight per our SOP. Unless noted, results in this report are not blank corrected. EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. When the information supplied by the customer can affect the validity of the results, it will be noted on the report. "<" (less than) result signifies the analyte was not detected at or above the warning limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements unless specifically indicated otherwise. Definitions of modifications are available upon request.

Samples analyzed by EMSL Analytical, Inc. Carle Place, NY Lab ID 102344 is accredited by AIHA LAP, LLC in the env. accreditation program for Lead in Paint, CT PH-0249, NYS ELAP 11469, CA 2339

Initial report from 02/12/2020 18:24:34

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181						RLeighton@jsheld.com	RLeighton(		JHunter@jsheld.com	JHunt
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Analysis LEAD FLAME AAS			٦	Project Manager:	Projec	Robert Leighton	Project Manager:	ter	tor: Joseph Hunter	Inspector:
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Baschrött, Page of		437	0114	JSH Project No.:	JSH Pr		Project Name:		2/10/20 Client:	Date;
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