

## LIMITED HAZARDOUS MATERIALS SUMMARY REPORT

Fuller Middle School 31 Flagg Drive Framingham, Massachusetts

## Prepared for

Jonathan Levi Architects 266 Beacon Street Boston MA 02116

November 2017

CDW Project # 1597.0



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#### 1.0 INTRODUCTION

CDW Consultants, Inc. (CDW) is pleased to present this letter report summarizing the findings of the limited suspect asbestos-containing materials (ACM), and hazardous materials inspection of the Fuller Middle School (Site). The scope of work was to review previous United States Environmental Protection Agency (USEPA) Asbestos Hazard Emergency Response Act (AHERA) reports and conduct an inspection to identify and quantify suspect ACM, lead based paint (LBP), and visually identify hazardous materials located in the building. The inspection was conducted in support of a feasibility study for Site renovations.

In October 2017, Ms. Susan Cahalan, (Massachusetts DOS Asbestos Inspector #AI60784) conducted a visual interior and exterior building inspection for suspect materials.

#### 2.0 GENERAL SITE CONDITIONS

Constructed in 1958 as the Framingham South High School, the building is currently used as Fuller Middle School. The Fuller Middle School houses grades 6-8. Fuller is also home to the Framingham Public Access Television Station that occupies 8,000 square feet (SF) of building space. In addition, the Buildings and Grounds Department houses its operations and storage for vehicles and equipment occupying approximately 15,000 SF of building space.

The Site building is a one-story cast-in-place concrete structure founded on precast concrete piles. The roof structure is gypsum concrete. Exterior walls are single-glazed aluminum store front with some areas of brick masonry. Two-thirds of the building area has a dirt floor crawl-space beneath it. The interior is concrete masonry block painted. Ceilings are mixed ceiling tectum with suspended ceilings in select areas throughout the building including the auditorium. Flooring is vinyl composite tile with some known to contain asbestos. Select rooms have carpet. Doors, frames and hardware are original.

The building is comprised of approximately 100 rooms of which 50 are classrooms with an average size of 732 SF. There are five science classrooms and one science laboratory with an average size 871 SF. There are two gymnasiums (one at 9,500 SF and one at 5,000 SF) and one 6,800 SF auditorium. The building was constructed on structural piles and caissons with a crawl space and a dirt floor beneath the entire building.

No additions have been made to the building since it was originally constructed. Framingham South High School became Fuller Middle School in 1995 without major capital improvement. The following capital projects and improvements have been completed at Fuller Middle School:



- 1995 Roof Replacement
- 2005 Converted heating system from oil to natural gas
- 2005 Replaced boilers, boiler room pipe abatement
- 2007 Auditorium Improvements

The heating system is comprised of 3 natural gas fired boilers and the majority of the building is hydronic forced hot water. Ventilation is provided through AHUs in the crawl-space and classroom unit-ventilators. The electrical system has original switch gear.

## 3.0 AHERA REPORTS SUMMARY

CDW reviewed the AHERA report, prepared by Fuss & O'Neill EnviroScience, dated June 2016 and the Survey Report, prepared by Universal Environmental Consultants, ND.

ACM findings of the Universal Environmental Consultants Report are presented in the below table:

Material	Location	Quantity
Vinyl Floor Tile and Mastic	Throughout	106,000 SF
Pipe and Hard Joint Insulation	Throughout	6,500 LF
Interior Windows and Doors	Throughout	400 Each
Blackboards	Throughout	200 Each
Flex Connectors	Throughout	15 Each
Roof Drain Insulation	Throughout	450 LF
Transite Board	Science Rooms	220 SF
Wood Flooring Paper and	Stage	500 SF
Mastic		
Wire Insulation	Stage	60 LF
Wood Flooring, Paper and	Gym	8,000 SF
Mastic		
Windows	Exterior	400 Each
Doors	Exterior	30 Each
Univent Caulk	Exterior	40 each



ACM findings from the Fuss & O'Neill EnviroScience AHERA Report are presented in the below table:

Material	Location	<b>Asbestos Content</b>	Quantity
Mudded Pipe Insulation	Basement Storage	5% Chrysotile	575 Each
	Room, Crawlspace, A3,		
	A27, A17, A37, C-13,		
	C18, C-15, C-16, D-31		
	Pipe Tunnel, D-32, B-		
	37, West Penthouse on		
	Roof		
Corrugated Paper Type	Basement Storage	80% Chrysotile	6,210
Pipe Insulation	Room, Crawlspaces A,		
	B, C & D, A3, A27,		
	A17, A37, C-13, C-17		
	and 18, C-15, C-16, D-		
	31 (Pipe Tunnel), D-32,		
	B-37A, West Penthouse		
	on Roof		
Vibration Isolators	Crawlspaces, A-21, B-	PACM	25 Each
	1A, B-26, C-13, D-9		
Roof Drain Insulation	A-24, B-8, B-18, B-	Sampled, Positive	20 Each
	15A, B-20, B-22, B-28,	•	
	B-46, C-8, C-27, C-22,		
	C-09, C-15, D-31, D-		
	16, D-29, D-33		
Fiber Reinforced	B-9-Lab Hood, D-31	15% Chrysotile	210 SF
Paneling	Exhaust Vent, D-6-	,	
	Upper Wall at Vent		
Wire Insulation	Stage	PACM	60 LF
Fire Curtain	Stage	PACM	1 Each



Material	Location	<b>Asbestos Content</b>	Quantity
9x9 Floor Tile and	Hall to Auditorium	2%-3% Chrysotile	105,300 SF
Associated Mastic	Stage, Hall outside		
	Boy's Locker Room,		
	Hall outside: C-14, B-		
	32, B-35, B-37, B-39,		
	A-8, C-1, B-1, B-3, B-4		

Items that do not contain ACM, from the Fuss & O'Neill EnviroScience AHERA Report are presented in the below table:

Material	Location
Spray-On Fire Proofing	Basement Stooge Room Ceiling
Red, Orange, Tan Mottled 12x12 Floor Tile and	C17 Women's Bathroom
Associated Mastic	
White and Beige Mottled 12x12 Floor Tile and	Hallway Outside B-4
Associated mastic	
Black Vinyl Baseboard and Associated Mastic	Classrooms, Hallways, Offices Throughout

#### 4.0 ASBESTOS SURVEY

#### 4.1 Methods

The investigative work for the asbestos survey included conducting a limited visual inspection of physically accessible areas of the interior and exterior of the building. Bulk samples of representative suspect materials identified were collected in a random manner in accordance with USEPA and OSHA regulatory guidelines. Once the visual inspection was completed, the building components were categorized into homogeneous areas. A homogeneous area is an area that is similar in color, texture and date of application. Hand tools were used to collect bulk samples which were promptly placed in sealed plastic bags using a unique numbering system. Samples were not collected of non-suspect materials, including wood, fiberglass, plastic/vinyl, ceramic, concrete, neoprene/rubber, glass, and carpeting.

The bulk samples were delivered under chain of custody to Asbestos Identification Laboratory, Inc. (AIL) located in Woburn, Massachusetts, a NVLAP-accredited laboratory for asbestos analysis. Bulk samples were analyzed for asbestos content by polarized light microscopy (PLM) using EPA Method 600/R-93/116. A positive stop method was used – if one sample in a homogeneous group is positive then additional samples of the same material are not analyzed. The asbestos analytical results are provided in Attachment A. Samples analyzed to contain greater than 1% asbestos are to be treated as



ACMs as defined by the USEPA and Commonwealth of Massachusetts Department of Environmental Protection (MassDEP).

# 4.2 Findings

Findings of the limited sampling are presented in the below table:

Laboratory ID	Description	Location	Condition	Result
1A, 1B, 1C	Interior Window	Classrooms to	Good	2% chrysotile
	Glaze on 4x4	Hall – C		
	Chix Wire	Classrooms C-15,		
	Windows	C-11, C-10		
2A, 2B	Interior Window	Sidelight Hall	Good	ND
	Glaze	Door Assembly		
		Near C15		
3A, 3B	Interior Window	Hall Assembly	Good	ND
	Glaze on Door	Near C15		
4A, 4B, 4C	Interior Window	Classrooms to	Good	ND
	Glaze on 4x4	Hall – B		
	Chix Wire	Classrooms B-17,		
	Windows	B-15A, B-21		
5A, 5B	Interior Window	Hall Door	Good	ND
	Glaze on	Assembly Near		
	Sidelights	B-17		
7	Black Sink	B5-Science,	Good	5% Chrysotile
	Coating	Standard Sink		
8A, 8B	Interior Window	A-5, Adult ESL	Good	2% Chrysotile
	Glaze	Wood Framed		
		Window		
9A, 9B, 9C	Interior Window	Classrooms B-5,	Good	2% Chrysotile
	Glaze on 4x4	B-7, B10		
	Chix Wire			
	Windows			
10A, 10B, 10C	Interior Window	Near A-12, A-13	Good	3% Chrysotile
	Glaze on Chix			
	Wire Wood			
	Framed Windows		-	
11A, 11B, 11C	Interior Window	Fancy Wood	Good	2% Chrysotile
	Glaze	Framed Windows		
		at Library		



Laboratory ID	Description	Location	Condition	Result
12A, 12B, 12C, 12D, 12E	Interior White/Gray Caulk	Between Steel Beams and CMU in Classrooms- Classroom #s B-11, B-24, B-41, B-32, B-41	Painted, Good	10% chrysotile
13A, 13B, 13C, 13D, 13E	Interior Hard Yellow Caulk	Between Steel Beams and CMU 1/2 Wall Interior Side of Courtyard	Painted, Good	5% chrysotile
14A, 14B	Interior White Caulk	Between Steel Beam and Brick Near Door #9	Painted, Good	3% Chrysotile
15A, 15B, 15C, 15D, 15E, 15F, 15G	White 2x2 Ceiling Panel	Ceiling, Hall Outside Library, Main Offices	Good	ND
16A, 16B, 16C, 16D, 16E, 16F, 16G	Yellow Insulation	Under White 2x2 Ceiling Panels	Good	ND
17A, 17B, 17C, 17D, 17E, 17F, 17G	White 2x4 Ceiling Panel	Ceiling, Hall Outside B-20, A- 18, B-48, Main Entrance Hall, Hall, Outside C- 14, Hall Near Door 16, Hall Near Fitness Center	Good	ND
18A, 18B, 18C, 18D, 18E, 18F, 18G	Yellow Insulation	Under White 2x4 Ceiling Panels	Good	ND
19A, 19B, 19C, 19D, 19E, 19F, 19G	Exterior Gray Window Caulk	At the Sides of Window Banks	Poor	5% Chrysotile
20A, 20B	Exterior Thick, Chunky Window Glaze	2x2 Windows Near Kitchen	Fair	ND
21	Exterior Door Caulk	Door 16	Good	2% Chrysotile
22	Exterior Door Caulk	Door 11	Good	2% Chrysotile



Laboratory ID	Description	Location	Condition	Result
23	Exterior Door	Door 9	Good	2% Chrysotile
	Caulk			
24A, 24B	Exterior Brown	Foundation	Fair	ND
	Fibrous			
	Expansion Joint			
25A, 25B, 25C,	Exterior Gray	Window Banks,	Poor, Damp	2% Chrysotile
25D, 25E, 25F,	Window Glaze	Interior Side of	from Leaks	
25G		Exterior Window		

The quantities for the limited sampling combined with the visual survey and AHERA report are provided in the attached Table 1. The laboratory analytical report is provided in Appendix A.

#### 3.3 Recommendations

The limited inspection was conducted for feasibility. It is recommended a full destructive survey be conducted. Prior to disturbance, the ACM identified must be abated by a Commonwealth of Massachusetts-licensed asbestos abatement contractor following all federal, state & local regulations governing asbestos abatement. A copy of the asbestos Waste Shipment record must be received within 30 days of removal from the Site. Asbestos air quality sampling must be conducted under USEPA regulations following asbestos abatement and prior to re-occupancy of the spaces. If additional materials are discovered that have not been sampled, those materials should be considered ACMs until laboratory analysis determines otherwise.

#### 4.0 LEAD-BASED PAINT

#### 4.1 Methods

CDW performed a visual inspection of painted surfaces. CDW collected samples from different color paints on various types of building component substrates. Samples were submitted to EMSL Laboratories in Cinnaminson, New Jersey for analysis via atomic absorption spectrometry (AAS).

#### 4.2 Findings

The results of the laboratory analysis are provided in the below table:

Laboratory ID	Description	Result (% Weight)
LP-1A	Blue over Yellow Paint on Steel Beams	0.69
LP-1B	Blue over Yellow Paint on Steel Beams	0.15
LP-1C	Blue over Yellow Paint on Steel Beams	0.14
LP-1D	Blue over Yellow Paint on Steel Beams	0.079



Laboratory ID	Description	Result (% Weight)
LP-1E	Blue over Yellow Paint on Steel Beams	0.27
LP-2A	Dark Blue Over Light Blue Paint on Steel	0.056
	Beams	
LP-2B	Dark Blue Over Light Blue Paint on Steel	0.11
	Beams	
LP-2C	Dark Blue Over Light Blue Paint on Steel	0.062
	Beams	
LP-2D	Dark Blue Over Light Blue Paint on Steel	0.49
	Beams	
LP-2E	Dark Blue Over Light Blue Paint on Steel	0.51
	Beams	
LP-3A	Light Blue Paint on Steel Beams	< 0.0080
LP-3B	Light Blue Paint on Steel Beams	0.036
LP-3C	Light Blue Paint on Steel Beams	0.019
LP-3D	Light Blue Paint on Steel Beams	<0.011
LP-3E	Light Blue Paint on Steel Beams	<0.0080
LP-4	Gray/White Paint on Exterior CMU Near	<0.0080
	Kitchen	
LP-5	Gray/White Paint on Exterior Window	<0.0080
	Panels	

The USEPA defines LBP as any paint or surface coating that contains lead equal to exceeding one milligram per square centimeter (1.0 mg/cm2) or 0.5% by weight. Two samples contain lead above 0.5% by weight. The laboratory analytical report is included in Attachment B.

#### Recommendations

Based on the conclusions of this testing, the following recommendations are offered:

- Removal of the LBP is not required. However, in accordance with the EPA Lead Renovation, Repair, and Painting (RRP) Rule 40 CFR 745, workers, visitors and the general public must be protected from lead dust generated during the demolition of LBP or LCP coated surfaces.
- Components identified to contain the presence of lead should not be disturbed in an uncontrolled manner. Disturbance of these materials should only be done by properly trained personnel in a controlled and documented manner to allow for the safety of the workers, bystanders and disposal of waste materials.



• Those components/colors not tested, or in locations not inventoried in this report, should be sampled for lead content prior to disturbance that may cause airborne release of lead.

#### 5.0 OTHER HAZARDOUS MATERIALS SURVEY

## **OHM Visual Inspection**

CDW visually inspected the Site building for universal, special and hazardous wastes associated with building materials. These included but were not limited to the following:

- Mercury-containing devices (fluorescent light tubes, thermostats, gauges, etc.);
- Polychlorinated bi-phenyl (PCB)-containing articles, equipment and devices (light ballasts, electrical switches, etc.);
- Chlorofluorocarbon (CFC)-containing equipment (refrigerants, air conditioners/HVAC equipment, water bubblers, etc.)
- Tritium-containing devices (Exit signs);
- Lead-Acid batteries (emergency lights, etc.); and
- Pressurized-cylinders (fire extinguishers, etc.).

## 5.1 Findings

#### OHM

The visual survey for hazardous materials identified mercury-containing light tubes, PCB-containing light ballasts, mercury containing thermostats and switches, lead and tritium batteries, refrigerants and other hazardous materials. No hazardous materials sampling or analysis was conducted as part of this preliminary survey. A list of OHMs identified are included in the below table.

Material Description	Location	Est. Quantity	Units
Compact Fluorescent Bulbs	Throughout	200	EA
Fluorescent Bulbs (Mercury)	Throughout	18,000	Tubes



Material Description	Location	Est. Quantity	Units
DPHE and Electronic Light Ballasts	Throughout	9,000	Each
Thermostats and Switches (Mercury)	Throughout, Mechanical and HVAC	500	Ampules
Emergency Light Batteries (Lead)	Throughout	80	EA
Refrigerants Associated with HVAC	Throughout	5,000	Gallons
Fire Extinguishers (Compressed Gas)	Throughout	150	EA
Refrigerants Associated with Water Bubblers	Throughout	25	Gallons
Exit Signs (Tritium)	Throughout	150	EA
Air Conditioning Units	Sporadic, Window Mounted	100	EA
Chemicals (Mercury and Lead)	Science Sink Traps	25	Gallons
Laboratory Chemicals	Science Labs	NA	NA
Older Door Retractors, (Hydraulic Oil Dampers)	Exit Doors, A Wing Offices, Door Assemblies, Cafeteria, Gym, Locker Rooms, Main Offices, Bathrooms	150	EA
Welding Supplies, Gases	Maintenance Shop		Re-use
Hydraulic Fluid	Automotive Shop – Old Lift Reservoirs Under Floor	100	Gallons
PCB Fluid	Old Transformer	150	Gallons



#### 5.2 Recommendations

Prior to removal, light tubes, ballasts, compact florescent bulbs, lead and tritium batteries, thermostats and switches will require proper handling, removal, transportation and off-site recycling/reclamation. Hydraulic oil from the door retractors, automobile lifts and refrigerants will require handling and disposal in accordance with regulations. Any sludge in the science sink traps and acid tank will need to be sampled for laboratory analysis of lead and mercury via TCLP to determine proper disposal requirements. Laboratory chemicals should be properly stored, in their original containers, and are recommended for re-use.

#### Limitations

The conclusions are limited to the information available at the time of the field survey and the scope of services, as defined. No subsurface soil or groundwater testing was performed. Where access to portions of the Site or to structures on the site was unavailable or limited, CDW renders no opinion as to the presence of hazardous material or the presence of indirect evidence related to hazardous material in that portion of the site or structure. This report cannot be solely relied upon for demolition. The testing performed forms the basis for conclusions expressed and areas inaccessible for testing limits those conclusions. No other conclusions, interpretations or recommendations are contained or implied in this report other than those expressed. No other use of this report is warranted without the written consent of CDW Consultants, Inc.

CDW appreciates the opportunity to provide our services to you on this project.

Very truly yours,

CDW CONSULTANTS, INC.

Susan Cahalan, PG, ISSP-SA

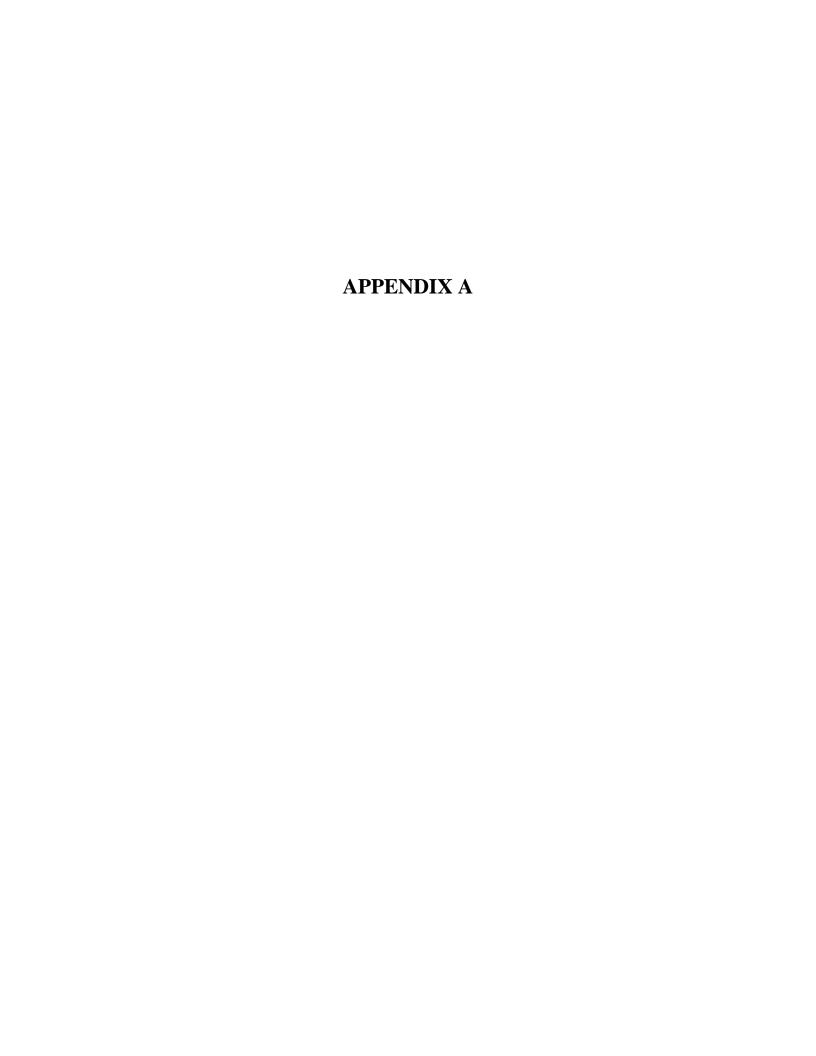
Project Manager

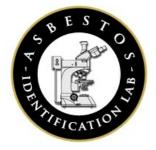


## TABLE 1 ACM Quantities Fuller Middle School Framingham, Massachusetts

HA No.	Material Description	Laboratory Sample No. and AHERA	NESHAP Cat.	Location	Est. Quantity	Units
1	Pipe Fittings and Insulation	AHERA and Visual	Cat. 2 Friable ACM	Behind Walls, Crawlspace etc.	17,000	LF
2	Roof Drain Insulation	AHERA and Visual	Cat. 2 Friable ACM	A-24, B-8, B-18, B-15A, B-20, B-22, B-28, B-46, C-8, C-27, C-22, C-09, C-15, D-31, D-16, D-29, D-33	450	LF
3	Gaskets	Visual	Cat I. Non Friable ACM	On Steam and Hot Water Lines and Valves, Crawlspace	250	EA
4	Round Light Gaskets	Visual	Suspect ACM, Not Sampled	Round Lights in Boiler Room Area	25	EA
5	ACM Debris on Soil	Visual	Cat. 2 Friable ACM	Dirt Floor of Crawlspace	25	CY
6	Vibration Isolators on HVAC	AHERA and Visual	Cat. 2 Non Friable ACM	Crawlspace, HV-1, HV-2, HV-3, HV-4, HV-5, HV-6, HV-7, HV-8, HV-9, HV-10, HV-11, HV-12, HV-13, HV-14, A-21, B-1A, B-26, C 13, D-9	40	EA
7	9x9 Floor Tiles and associated Mastic	AHERA and Visual	Cat I. Non Friable ACM	Throughout, Halls Outside Auditorium and Locker Rooms, Halls outside C-14, B-32, B-35, B-37, B-39, A-8, C-1, B-1, Select Classrooms	108,000	SF
8	Wood Flooring Paper and Mastic	AHERA	Cat. 2 Non Friable ACM	Stage and Music Room Stage	4,000	SF
9	Wood Wall Paneling Glue	PACM	Suspect ACM, Not Sampled	Auditorium	2,000	SF
10	Wire Insulation	AHERA	Cat. 2 Non Friable ACM	Auditorium Stage	60	LF
11	Fire Curtain	AHERA and Visual	Cat. 2 Non Friable ACM	Auditorium Stage	1	EA
12	Wood Flooring Paper and Mastic	AHERA	Cat. 2 Non Friable ACM	Gym and Fitness Center	14,500	SF
13	Fiber Reinforced Paneling	AHERA	Cat. 2 Non Friable ACM	B-9 Lab Hood, D-31 Exhaust Vent, D-6 Upper Wall Vent	210	SF
14	Mastic Behind Heaters	PACM	Suspect ACM, Not Sampled	Classrooms	3,200	SF
15	Slate Board Glue Daubs	PACM	Suspect ACM, Not Sampled	Classrooms, Average 3 Per Classroom	250	EA
16	Black Science Table Tops	PACM	Suspect ACM, Not Sampled	Science	320	SF
17	Interior Window Glaze	1A, 1B, 1C, 9A, 9B, 9C,	Cat . 2 Non Friable ACM	At Classrooms and Hall Intersection B Classrooms, C Classrooms, D Classrooms	550	EA
18	Interior Window Glaze	8A, 8B, 10A, 10B, 10C, 11A, 11B, 11C	Cat. 2 Non Friable ACM	Fancy Wood Framed Windows at Admin Offices, "A" Offices, Library. 4x4, 8x4 and 2x4 Sections	150	EA
19	Black Sink Coating	7	Cat. 2 Non Friable ACM	Standard Sinks, B-5, Art, Nurses, Other Areas	30	EA
20	Interior White-Gray Caulk	12A, 12B, 12C, 12D, 12E, 14A, 14B, 14C	Cat. 2 Non Friable ACM	Between Steel Beams and CMU in Classrooms, Intermittent in Halls	3,500	LF
21	Interior Hard Yellow Caulk	13A, 13B, 13C, 13D, 13E,	Cat. 2 Non Friable ACM	Between Steel Beams and CMU 1/2 Wall Interior Side of Courtyard Near Main Office	320	LF
22	Black Mastic/Insulation	Visual	Suspect ACM, Not Sampled	Walk in Refrigerator and Freezer Coating	2	EA
23	Exterior Gray Window Caulk	19A, 19B, 19C, 19D, 19E, 19F, 19G	Cat. 2 Non Friable ACM	At Sides of Long Window Banks, Between Bank and Brick	300	LF
24	Exterior Window Glaze	25A, 25B, 25C, 25D, 25E, 25F, 25G	Cat. 2 Non Friable ACM	Interior of Exterior Window Banks. Each Window Defined by Aluminum Frame above Solid Steel Panel.	175	Each
25	Exterior Door Caulk	21, 22, 23	Cat. 2 Non Friable ACM	Exterior Doors	420	LF
26	Exterior Vapor Barrier	PACM	Suspect ACM, Not Sampled	Behind Brick Façade	6,000	SF
27	Remnant Roofing Tar	PACM	Suspect ACM, Not Sampled	Remnant	10,000	SF
28	Subsurface Transite	PACM	Suspect ACM, Not Sampled	Not Seen - Contingency	2,000	LF

ACM = Asbestos Containing Material. PACM = Presumed Asbestos Containing Material. LF = Linear Foot. SF = Square Foot





## **Asbestos Identification Laboratory**

165 New Boston St., Ste 227 Woburn, MA 01801 781-932-9600

Web: www.asbestosidentificationlab.com Email: mikemanning@asbestosidentificationlab.com **Batch**: 27227



November 03, 2017

Susan Cahalan CDW Consultants, Inc. 6 Huron Drive Natick, MA 01760 **Project Number:** 

Project Name: Fuller Middle School, Framingham MA

 Date Sampled:
 2017-10-27

 Work Received:
 2017-10-31

 Work Analyzed:
 2017-11-03

Analysis Method: BULK PLM ANALYSIS EPA/600/R-93/116

Dear Susan Cahalan,

Asbestos Identification Laboratory has completed the analysis of the samples from your office for the above referenced project .

The information and analysis contained in this report have been generated using the EPA /600/R-93/116 Method for the Determination of Asbestos in Bulk Building Materials. Materials or products that contain more than 1% of any kind or combination of asbestos are considered an asbestos containing building material as determined by the EPA. This Polarized Light Microscope (PLM) technique may be performed either by visual estimation or point counting. Point counting provides a determination of the area percentage of asbestos in a sample. If the asbestos is estimated to be less than 10% by visual estimation of friable material, the determination may be repeated using the point counting technique. The results of the point counting supersede visual PLM results. Results in this report only relate to the items tested. This report may not be used by the customer to claim product endorsement by NVLAP or any other U.S. Government Agency.

Laboratory results represent the analysis of samples as submitted by the customer. Information regarding sample location, description, area, volume, etc., was provided by the customer. Asbestos Identification Laboratory is not responsible for sample collection activities or analytical method limitations. Unless notified in writing to return samples, Asbestos Identification Laboratory discards customer samples after 30 days. Samples containing subsamples or layers will be analyzed separately when applicable. Reports are kept at Asbestos Identification Laboratory for three years. This report shall not be reproduced, except in full, without the written consent of Asbestos Identification Laboratory.

• NVLAP Lab Code: 200919-0

Michael Thum

- Massachusetts Certification License: AA000208
- State of Connecticut, Department of Public Health Approved Environmental Laboratory Registration Number: PH-0142
- State of Maine, Department of Environmental Protection Asbestos Analytical Laboratory License Number: LB-0078(Bulk) LA-0087(Air)
- State of Rhode Island and Providence Plantations. Department of Health Certification: AAL-121
- State of Vermont, Department of Health Environmental Health License AL934461

Thank you Susan Cahalan for your business.

Michael Manning Owner/Director Susan Cahalan CDW Consultants, Inc. 6 Huron Drive Natick, MA 01760

**Project Number:** 

Project Name: Fuller Middle School, Framingham MA

 Date Sampled:
 2017-10-27

 Work Received:
 2017-10-31

 Work Analyzed:
 2017-11-03

**Analysis Method:** BULK PLM ANALYSIS EPA/600/R-93/116

Fiel	ldID	Material	Location	Color	Non-Asbestos %	Asbestos %
	LabID					
1A		Interior Window Glaze	4' X 4' Chix Wire Classrooms to Hall / C-	multi	Non-Fibrous 98	Detected Chrysotile 2
1B	306480	lataria a Mia da co Olaza	Wing Area			NT. 1. 2
ТВ	306481	Interior Window Glaze	4' X 4' Chix Wire Classrooms to Hall / C- Wing Area			Not Analyzed
1C	300101	Interior Window Glaze	4' X 4' Chix Wire Classrooms to Hall / C-			Not Analyzed
	306482		Wing Area			
2A		Interior Window Glaze	Sidelight Hall Door Assembly near C15	multi	Non-Fibrous 100	None Detected
2B	306483	Interior Window Close	Cidaliant Hall Daar		Nan Edlara 100	None Detected
ZB		Interior Window Glaze	Sidelight Hall Door Assembly near C15	multi	Non-Fibrous 100	none Detected
	306484			l		
ЗА		Interior Window Glaze	Hall Assembly near C15	white	Non-Fibrous 100	None Detected
	306485					
3B		Interior Window Glaze	Hall Assembly near C15	white	Non-Fibrous 100	None Detected
	306486					
4A		Interior Window Glaze	Chix Wire 4 X 4, 2 Classrooms / B-Wing Area	multi	Non-Fibrous 100	None Detected
<u></u>	306487					
4B		Interior Window Glaze	Chix Wire 4 X 4, 2 Classrooms / B-Wing Area	multi	Non-Fibrous 100	None Detected
	306488					
4C	225122	Interior Window Glaze	Chix Wire 4 X 4, 2 Classrooms / B-Wing Area	multi	Non-Fibrous 100	None Detected
5A	306489	Interior Window Glaze	Hall Assembly near B-17	multi	Non-Fibrous 100	None Detected
	306490					
5B		Interior Window Glaze	Hall Assembly near B-17	multi	Non-Fibrous 100	None Detected
	306491					
6		Interior Window Glaze	Hall Assembly near B-17	multi	Non-Fibrous 100	None Detected
	306492					
7		Black Sink Coating	B5 Science	black	Non-Fibrous 95	Detected Chrysotile 5
	306493					

Field	dID	Material	Location	Color	Non-Asbestos %	Asbestos %
	LabID					
8A		Interior Window Glaze	A-5 Adult ESL Wood Framed	multi	Non-Fibrous 98	Detected Chrysotile 2
8B	306494	Interior Window Glaze	A-5 Adult ESL Wood			Not Analyzed
	306495	_	Framed			
9A	300193	Interior Window Glaze	Chix Wire 4 X 4 Classrooms B5, B7, B10	multi	Non-Fibrous 98	Detected Chrysotile 2
9B	306496	Laterian Miles Inc. Oles	OL: Miss AVA			NT-+ 7
9D		Interior Window Glaze	Chix Wire 4 X 4 Classrooms B5, B7, B10			Not Analyzed
9C	306497	Interior Window Glaze	Chix Wire 4 X 4 Classrooms B5, B7, B10			Not Analyzed
	306498					
10A		Interior Window Glaze	Chix Wire Wood Framed near A-12, A-13	multi	Non-Fibrous 97	Detected Chrysotile 3
10B	306499	Interior Window Glaze	Chix Wire Wood Framed near A-12, A-13			Not Analyzed
	306500					
10C		Interior Window Glaze	Chix Wire Wood Framed near A-12, A-13			Not Analyzed
11A	306501	latarian Miadaw Olasa	Farmer Mand France at		77 711 000	Data ata d
TIA		Interior Window Glaze —	Fancy Wood Frame at Library	multi	Non-Fibrous 98	Detected Chrysotile 2
11B	306502	Interior Window Glaze	Fancy Wood Frame at Library			Not Analyzed
	306503		Library			
11C	306504	Interior Window Glaze	Fancy Wood Frame at Library			Not Analyzed
12A	306505	Interior Gray/White Caulk	Between Steel Beam and CMU Classrooms	multi	Non-Fibrous 90	Detected Chrysotile 10
12B	300303	Interior Gray/White Caulk	Between Steel Beam and CMU Classrooms			Not Analyzed
12C	306506	Interior Gray/White Caulk	Between Steel Beam and CMU Classrooms			Not Analyzed
	306507		OWO Glassicoms			
12D		Interior Gray/White Caulk	Between Steel Beam and CMU Classrooms			Not Analyzed
405	306508	Lateral Company Company	D.( C(			
12E	306509	Interior Gray/White Caulk	Between Steel Beam and CMU Classrooms			Not Analyzed
13A		Hard Yellow Interior Caulk	CMU 1/2 Wall Int.	multi	Non-Fibrous 95	Detected Chrysotile 5
13B	306510	Hard Yellow Interior Caulk	Courtyard  Between Steel Beams and CMU 1/2 Wall Int.			Not Analyzed
<u> </u>	306511 v 03 Novem		Courtyard			age 2 of 5

Friday 03 November Page 2 of 5

Field	dID	Material	Location	Color	Non-Asbestos %	Asbestos %
	LabID					
13C		Hard Yellow Interior Caulk	Between Steel Beams and CMU 1/2 Wall Int.			Not Analyzed
13D	306512	Hard Yellow Interior Caulk	Courtyard  Between Steel Beams and CMU 1/2 Wall Int.			Not Analyzed
	306513		Courtyard			
13E	306514	Hard Yellow Interior Caulk	Between Steel Beams and CMU 1/2 Wall Int. Courtyard			Not Analyzed
14A	300314	Interior White Caulk	Between Steel Beam and	multi		Detected Chrysotile 3
	306515		Brick near Door 9		Non-Fibrous 95	Chrysotile 3
14B		Interior White Caulk	Between Steel Beam and Brick near Door 9			Not Analyzed
15A	306516	White 2' X 2' Ceiling	Ceiling	white	Non-Fibrous 100	None Detected
	306517					
15B		White 2' X 2' Ceiling	Ceiling	white	Non-Fibrous 100	None Detected
15C	306518	White 2' X 2' Ceiling	Ceiling	white	Non-Fibrous 100	None Detected
	306519					
15D		White 2' X 2' Ceiling	Ceiling	white	Non-Fibrous 100	None Detected
15E	306520	White Ol V Ol Coiling	Cailing	white	Non-Fibrous 100	None Detected
136		White 2' X 2' Ceiling	Ceiling	write	Non-Fibrous 100	None Detected
15F	306521	White 2' X 2' Ceiling	Ceiling	white	Non-Fibrous 100	None Detected
1.50	306522	NAW 1: 01 V 01 0 111	- ···			
15G		White 2' X 2' Ceiling	Ceiling	white	Non-Fibrous 100	None Detected
16A	306523	Yellow Layer	Under 2' X 2' White Ceiling Tile	yellow	Mineral Wool 98 Non-Fibrous 2	None Detected
16B	306524	Yellow Layer	Under 2' X 2' White Ceiling	yellow	Mineral Wool 98	None Detected
	306525		Tile		Non-Fibrous 2	
16C	300025	Yellow Layer	Under 2' X 2' White Ceiling Tile	yellow	Mineral Wool 98	None Detected
16D	306526	Vollow Layer	Under 2' V 2' White Coiling	vollovi	Mineral Wool 98	None Detected
טטו	206525	Yellow Layer	Under 2' X 2' White Ceiling Tile	lyellow	Non-Fibrous 2	morre Detected
16E	306527	Yellow Layer	Under 2' X 2' White Ceiling	yellow		None Detected
	306528		Tile		Non-Fibrous 2	
16F		Yellow Layer	Under 2' X 2' White Ceiling Tile	yellow	Mineral Wool 98 Non-Fibrous 2	None Detected
	306529 v <b>03 Noveml</b>					age 3 of 5

Friday 03 November Page 3 of 5

Field	dID	Material	Location	Color	Non-Asbestos %	Asbestos %
	LabID					
16G		Yellow Layer	Under 2' X 2' White Ceiling Tile	yellow	Mineral Wool 98 Non-Fibrous 2	None Detected
17A	306530	White 2' X 4' Ceiling	Ceiling	white	Dibanalasa - F	None Detected
177			Centrig	write	Fiberglass 5 Non-Fibrous 95	None Detected
17B	306531	White Ol V 41 Ceiling	Cailing	bita	7411	None Detected
176	306532	White 2' X 4' Ceiling	Ceiling	white	Fiberglass 5 Non-Fibrous 95	None Detected
17C	300332	White 2' X 4' Ceiling	Ceiling	white	Fiberglass 10	None Detected
					Non-Fibrous 90	
17D	306533	White 2' X 4' Ceiling	Ceiling	white	Fiberglass 5	None Detected
.,,,		— Write 2 X 4 Gening	Centrig	Wille	Non-Fibrous 95	lvone Beeceda
17E	306534	White 2' X 4' Ceiling	Ceiling	white	Fiberglass 10	None Detected
.,_		— Write 2 X 4 Gening	Centrig	Wille	Non-Fibrous 90	None Beeceda
17F	306535	White 2' X 4' Ceiling	Ceiling	white	Fiberglass 10	None Detected
171		— Writte 2 X 4 Celling	Centrig	write	Non-Fibrous 90	None Detected
470	306536	W 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0 "	1	ļ	
17G		White 2' X 4' Ceiling	Ceiling	white	Fiberglass 5 Non-Fibrous 95	None Detected
	306537					
18A		Yellow Layer —	Under White 2' X 4' Ceiling	yellow	Fiberglass 95 Non-Fibrous 5	None Detected
	306538					
18B		Yellow Layer	Under White 2' X 4' Ceiling	yellow	Fiberglass 98 Non-Fibrous 2	None Detected
	306539				1.011 1 121 0 0.0	
18C		Yellow Layer —	Under White 2' X 4' Ceiling	yellow	Fiberglass 98 Non-Fibrous 2	None Detected
18D	306540	Yellow Layer	Under White 2' X 4' Ceiling	vollow	Fiberglass 98	None Detected
100	306541	— reliow Layer	Orider Writte 2 X 4 Celling	yellow	Non-Fibrous 2	None Detected
18E		Yellow Layer	Under White 2' X 4' Ceiling	yellow	Fiberglass 95	None Detected
	306542				Non-Fibrous 5	
18F	300342	Yellow Layer	Under White 2' X 4' Ceiling	yellow	Fiberglass 98	None Detected
	306543					
18G		Yellow Layer	Under White 2' X 4' Ceiling	yellow	Fiberglass 95 Non-Fibrous 5	None Detected
	306544				TOTAL TENTOUS 3	
19A		Exterior Gray Window Caulk	Exterior Windows	gray		Detected Chrysotile 5
19B	306545	Exterior Crow Mindow	Exterior Windows			Not Analyzed
ISB		Exterior Gray Window —Caulk	Exterior Windows			Not Analyzed
400	306546	F (12) 0 12"	E (c. c. v. Mr. )			NT-1- 7- 7
19C		Exterior Gray Window Caulk	Exterior Windows			Not Analyzed
	306547 y 03 Novem	h				age 4 of 5

Friday 03 November Page 4 of 5

Fiel	dID	Material	Location	Color	Non-Asbestos %	Asbestos %
	LabID					
19D		Exterior Gray Window	Exterior Windows			Not Analyzed
	306548	— Caulk				
19E		Exterior Gray Window Caulk	Exterior Windows			Not Analyzed
	306549	Caulk				
19F		Exterior Gray Window —Caulk	Exterior Windows			Not Analyzed
	306550	Oddin				
19G		Exterior Gray Window Caulk	Exterior Windows			Not Analyzed
	306551	Odulk				
20A		Exterior Thick Chunky Window Glaze	2 X 2 Window near Kitchen	white	Non-Fibrous 100	None Detected
	306552	Willidow Glaze				
20B		Exterior Thick Chunky Window Glaze	2 X 2 Window near Kitchen	white	Non-Fibrous 100	None Detected
	306553	Willidow Glaze				
21		Exterior Door Caulk	Door 16	gray	Non-Fibrous 98	Detected Chrysotile 2
	306554					CHTYSOCTIE 2
22		Exterior Door Caulk	Door 11	gray	Non-Fibrous 98	Detected Chrysotile 2
	306555					Chrysocile 2
23		Exterior Door Caulk	Door 9	gray	Non-Fibrous 98	Detected
	306556					Chrysotile 2
24A		Exterior Brown Fiberous	Foundation	brown		None Detected
	306557	Expansion Joint			Non-Fibrous 30	
24B		Exterior Brown Fiberous	Foundation	brown		None Detected
	306558	Expansion Joint			Non-Fibrous 30	
25A		Exterior Gray Window	Window Banks, All Sides	gray	Non-Fibrous 98	Detected
	306559	— Glaze				Chrysotile 2
25B		Exterior Gray Window	Window Banks, All Sides			Not Analyzed
	306560	— Glaze				
25C		Exterior Gray Window	Window Banks, All Sides			Not Analyzed
	306561	— Glaze				
25D		Exterior Gray Window	Window Banks, All Sides			Not Analyzed
	306562	Glaze				
25E	300302	Exterior Gray Window	Window Banks, All Sides			Not Analyzed
	306563	Glaze				
25F	300303	Exterior Gray Window	Window Banks, All Sides			Not Analyzed
	306564	— Glaze				
25G	300304	Exterior Gray Window	Window Banks, All Sides			Not Analyzed
	206565	Glaze				
	306565		1	1		

Friday 03 November Analyzed by: Stefani Buly

End of Report

Page 5 of 5

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# APPENDIX B



## EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077 (856) 303-2500 / (856) 786-5974

http://www.EMSL.com cinnaminsonleadlab@emsl.com EMSL Order: CustomerID:

201711162

CDWC26

CustomerPO: ProjectID:

Attn: Susan Cahalan **CDW Consultants 6 Huron Drive** Natick, MA 01760

Phone:

(508) 875-2657

Fax:

Received: 10/31/17 10:30 AM

Collected:

10/27/2017

Project: Fuller School

## Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B/7000B)\*

Client Sample D	escription Lab ID Collected Analyzed	Lead <b>Concentration</b>
_P-1A	201711162-0001 10/27/2017 11/1/2017	0.69 % wt
	Site: Blue Over Yellow Paint on Steel Beams	
LP-1B	201711162-0002 10/27/2017 11/1/2017	0.15 % wt
	Site: Blue Over Yellow Paint on Steel Beams	
LP-1C	201711162-0003 10/27/2017 11/1/2017	0.14 % wt
	Site: Blue Over Yellow Paint on Steel Beams	
LP-1D	201711162-0004 10/27/2017 11/1/2017	0.079 % wt
	Site: Blue Over Yellow Paint on Steel Beams	
LP-1E	201711162-0005 10/27/2017 11/1/2017	0.27 % wt
	Site: Blue Over Yellow Paint on Steel Beams	
LP-2A	201711162-0006 10/27/2017 11/1/2017	0.056 % wt
	Site: Dark Blue Over Light Blue Paint on Steel Beams	
LP-2B	201711162-0007 10/27/2017 11/1/2017	0.11 % wt
	Site: Dark Blue Over Light Blue Paint on Steel Beams	
LP-2C	201711162-0008 10/27/2017 11/1/2017	0.062 % wt
	Site: Dark Blue Over Light Blue Paint on Steel Beams	
LP-2D	201711162-0009 10/27/2017 11/1/2017	0.49 % wt
	Site: Dark Blue Over Light Blue Paint on Steel Beams	
P-2E	201711162-0010 10/27/2017 11/1/2017	0.51 % wt
	Site: Dark Blue Over Light Blue Paint on Steel Beams	
LP-3A	201711162-0011 10/27/2017 11/1/2017	<0.0080 % wt
	Site: Light Blue Paint on Steel Beams	
LP-3B	201711162-0012 10/27/2017 11/1/2017	0.036 % wt
	Site: Light Blue Paint on Steel Beams	
P-3C	201711162-0013 10/27/2017 11/1/2017	0.019 % wt
	Site: Light Blue Paint on Steel Beams	
P-3D	201711162-0014 10/27/2017 11/1/2017	<0.011 % wt
	Site: Light Blue Paint on Steel Beams	
LP-3E	201711162-0015 10/27/2017 11/1/2017	<0.0080 % wt
	Site: Light Blue Paint on Steel Beams	

Phillip Worby, 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. 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. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting 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. Cinnaminson, NJ NELAP Certifications: NJ 03036, NY 10872, PA 68-00367, AIHA-LAP, LLC ELLAP 100194, A2LA 2845.01

Initial report from 11/03/2017 09:54:34



## EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077 (856) 303-2500 / (856) 786-5974

http://www.EMSL.com cinnaminsonleadlab@emsl.com EMSL Order: CustomerID:

201711162

CDWC26

CustomerPO: ProjectID:

Attn: Susan Cahalan **CDW Consultants 6 Huron Drive** Natick, MA 01760

Phone: Fax:

Received: 10/31/17 10:30 AM

(508) 875-2657

Collected: 10/27/2017

Project: Fuller School

## Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B/7000B)\*

Client Sample I	<b>Description</b> Lab	ID	Collected	Analyzed	Lead <b>Concentration</b>
LP-4	20171116	2-001	6 10/27/2017	11/1/2017	<0.0080 % wt
	Site: Gra	y / W	hite Paint EXT	CMU Near Kitchen	
LP-5	20171116	2-001	7 10/27/2017	11/1/2017	<0.0080 % wt
	Site: Gra	y / W	hite Paint on E	XT. Window Panels	

Phillip Worby, 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. 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. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting 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. Cinnaminson, NJ NELAP Certifications: NJ 03036, NY 10872, PA 68-00367, AIHA-LAP, LLC ELLAP 100194, A2LA 2845.01

Initial report from 11/03/2017 09:54:34

OrderID: 201711162



# Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only):

201711162

EMSL Analytical, Inc. 200 Route 130 North

Cinnaminson, NJ 08077
PHONE: 1-800-220-3675
FAX: (856) 786-5974

Company: CDW Consultants									Different n Comments*		
Street: 6 Huron Drive				Th	ird Party Bill	ina reau	ires writter	authori	zation from	hird na	urty
				nird Party Billing requires writter al Code: 01760			Country: US				
Report To (Name): Sus		Telephone #: 5088752657									
Email Address: scaha			ants com	5000750057							
Project Name/Number:				Fax #: 5088752657 Purchase Order:  Please Provide Results: Fax Email							
		SCr	iac					✓ Em			
U.S. State Samples Tal	cen:MA		1.7: /7.1		les: 🔲 Co			ole 📙 i	Residentia	ıl/Tax	Exempt
			rnaround Time (TA	1 /					1		
3 Hour 6	Hour	_	Hour 48 Hour d in accordance with EMS		Hour	_	Hour		Week	П	2 Week
Matrix		complete	Method	L'S Territs at		trume			orting Lir	nit	Check
Chips Ø % by wt. ☐ mg/		n (ma/ka)	SW846-7000E	,	Flame At			Itep	0.01%		
	сп 🗀 ррг	(lilg/kg)		,				<b>—</b>		_	<u> </u>
Air /			NIOSH 7082 NIOSH 7105		Flame At	omic Ab te Furna			μg/filter 03 μg/filte	_	
			NIOSH 7300M/NIOS	H 7303	-	CP-OES			5 μg/filter		H
Wipe* A	STM		SW846-7000E							$\overline{}$	$\dashv$
no	n ASTM	$\blacksquare$	SW846-6010B or C		Flame Atomic Absorption		10 μg/wipe 1.0 μg/wipe				
*if no box checked, non-ASTI assumed	// Wipe	_									
TCLP			SW846-1311/7000B/SM 3111B		Flame Atomic Absorption		0.4 mg/L (ppm)				
			SW846-1311/SW846-6	010B or C	10	CP-OES		0.1	mg/L (ppr	n)	
SPLP			SW846-1312/7000B/S		Flame At				mg/L (ppr		
01 21			SW846-1312/SW846-6			CP-OES			mg/L (ppr	_	
TTLC			22 CCR App. II, 7000B/7420		Flame Atomic Absorption		40 mg/kg (ppm)				
	-		22 CCR App. II, SW846-6			CP-OES			ig/kg (ppr		ᆜ
STLC			22 CCR App. II, 7000B/7420 22 CCR App. II, SW846-6010B or C		Flame Atomic Absorption ICP-OES		0.4 mg/L (ppm) 0.1 mg/L (ppm)			-#-	
Soil		-	SW846-7000E								
3011			SW846-7000B SW846-6010B or C		Flame Atomic Absorption		40 mg/kg (ppm) 2 mg/kg (ppm)			퓜	
					Flame Atomic Absorption				$\overline{}$	旹	
	served		SM3111B/SW846-7000B EPA 200.9		Graphite Furnace AA		0.4 mg/L (ppm) 0.003 mg/L (ppm)			$\exists$	
Preserved with HNO <sub>3</sub> pH < 2		EPA 200.7		ICP-OES		0.020 mg/L (ppm)					
			EPA 200.8		ICP-MS			0.001 mg/L (ppm)			
Preserved with HNO₃ pH < 2 ☐		$\exists$	EPA 200.9		Graphite Furnace AA			0.003 mg/L (ppm)			
Preserved with histog	ρH < 2	П	EPA 200.5		IC	CP-OES		0.00	3 mg/L (pp	m)	
TSP/SPM Filter			40 CFR Part 5	_		CP-OES			2 µg/filter		
SOUTH TO SERVICE			40 CFR Part 5	0	Graphit	te Furna	ce AA	3.	.6 μg/filter	$\rightarrow$	
Other:											
Name of Sampler:				Signa	ture of S	_				11	
Sample #		Locati			Volun	ne/Are	а		Date/Ti	me S	ampled
LP-IA BUE	over	Jella	Flee (beams		_	_			10/2	7/1:	7
LP-1B	1	0	11 80 12		_				, ,	(	
Client Sample #s		1)	1			Tota	I # of Sa	amples	s:		
Relinquished (Client	1. 16	19	Date:3	0/17		,	Time:				
	1	6	271211	11	2/21/	10	1	mon	1	1av	
Received (Lab):	/(-	ear	Date:	/(	1/31//	7	Time	000	tell	HEX	
Comments: 5088752657											

Controlled Document -- COC-25 Lead (Pb) - R8- 7/19/2017

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OrderID: 201711162



Fuller School.

# LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only):

20/11/162

EMSL Analytical, Inc. 200 Route 130 North Cinnaminson, NJ 08077

PHONE: 1-800-220-3675 FAX: (856) 786-5974

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

Sample #		Location	Volume/Area	Date/Time Sample
LPIC	61	( (		10/27/17
4-10	ι,	4	_	\
UP-IE	( c	( (		
UP-DA	Durk	due over light blue fairt	_	
P-2B	11	((	_	
U-2C	1 (	\(	_	
4-21)	1)	Į (	_	
4-2E	11	V	_	
UP-3A	ugut	blue faint on teel	_	
LP-3B		()	_	
UP-3C	\	\\	_	
LP-3P		( )	_	
LP-3E	1	· ·	_	
28-4	Gray	white Paint CAT New Kitchen	-	
LP-5	Myte Ext. U	White Paint CAT New 19ray paint on Inday granels	_	
Comments/Sp	pecial Instru	uctions:		
5088752657				

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