August 31, 2019

John Trenholm
Director of Plant and Facilities
Scarsdale Public Schools
2 Brewster Road
Scarsdale, NY 10583

Re: Greenacres Elementary School Post-Construction Air Quality Evaluation

Executive Summary

At your request on behalf of the Scarsdale School District, WSP conducted a post-construction air quality evaluation at Greenacres Elementary School located at 41 Huntington Ave, Scarsdale, NY 10583. The purpose of the evaluation was to perform air and surface testing and a thorough visual inspection of the classrooms where construction occurred to ensure air quality and the condition of the rooms was acceptable for occupancy prior to school opening. The evaluation was performed on August 30th and 31st, 2019 by Professional Engineer (PE) and Certified Hazardous Materials Manager (CHMM), Mr. Michael Johnson, Industrial Hygiene Manager, Andrew Cheskin, and Environmental Specialists, Mr. Nicholas Casale and Stephanie Carhuayano.

The visual inspection found few observed residual construction-related action items to be addressed in the rooms as detailed in the visual inspection section of this report. These remaining items were identified during a walkthrough with facilities on August 31st. The results of the air monitoring conclude that dust levels are well below applicable regulations and guidelines. Comfort parameters were in range for most of the rooms. Though VOCs are within typical ranges for indoor air, levels could be reduced prior to opening of the school. Recommendations include addressing the action items identified during the visual inspection of the rooms and ventilate the rooms during remaining preparation activities (cleaning, waxing, etc.).

Background

The Scarsdale School District performed renovations of eleven (11) classrooms on the south side of the Greenacres Elementary School over the summer of 2019, completing construction on August 30th, 2019. As part of an environmental diligence plan, WSP was contacted by facilities on May 9, 2019 to perform an air quality survey and room inspection after renovation of the rooms was completed.

Evaluation Methodology

WSP designed an evaluation approach consisting of a thorough visual inspection of the rooms, collection of a comprehensive set of direct read air quality parameter measurements, active sampling for asbestos fibers, and sampling of surfaces for lead content.

Visual Inspection

The rooms were visually inspected for remaining evidence of construction activities including debris, tools, visible dust, supplies, and any other suspected remaining materials. Discovered items were brought to the attention of facilities to address. Behind furniture and fixtures were inspected as accessible. Photos of the rooms were collected for documentation purposes.

Real-time Measurements

Real-time air measurements were performed in each renovated classroom. An outdoor measurement was collected as a reference measurement. The following parameters were measured:

Measured Parameters

- ◊ Particulate Matter 2.5 ($PM_{2.5}$)
- ◊ Particulate Matter 10 (PM_{10})
- ◊ Total Particulate Matter (TPM)
- ◊ Temperature
- ◊ Relative humidity
- ◊ Carbon monoxide
- ◊ Carbon dioxide
- ◊ Total Volatile Organic Compounds

Particulate matter was integrated over a 5-minute interval, while other parameters were allowed to stabilize for at least 5 minutes prior to collection.

A Lighthouse Handheld 3016-IAQ monitor was used to measure $PM_{2.5}$, respirable dust ($<PM_{10}$), and total dust (TPM). Note, respirable dust measurements with direct read instruments vary from compliance sampling methods (NMAM 0600) as they are not size selective. The instrument was calibrated prior to the site visit according to manufacturer recommendations.

A Fluke AirMeter, model 975 was used to measure carbon monoxide (CO), carbon dioxide (CO_2), temperature, and relative humidity (RH). The instrument was certified as calibrated prior to the site visit according to manufacturer recommendations.

A RKI, model GX-6000 five-gas meter was used to measure TVOCs in the parts per billion (ppb) range. Carbon monoxide (CO) measurements were also recorded. The instrument was calibrated prior to the site visit according to manufacturer recommendations.

Asbestos and Lead Sampling

Air asbestos samples were collected on 25-millimeter diameter mixed cellulose ester filter cassette at a flow rate of 9 liters per minute, with at least 1,250 liters collected. Cassettes were placed on stands at approximately 4 feet high. Samples were analyzed by transmission electron microscopy (TEM), which is a high magnification method that can identify asbestos fibers by morphology and crystalline structure. Samples were analyzed by method AHERA 40 CFR, Part 763 by EMSL Analytical, Inc. in Carle Place, New York.

Lead dust samples were collected according to USEPA lead dust wipe procedures and analyzed by atomic absorption spectrometry by EMSL Analytical, Inc. in Carle Place, New York. Window wells, window sills,

univent grills, floors, and adjacent hallways in each room were sampled (univents requested). The clearance standards used were based on the EPA's revised Dust-Lead Hazard Standards which lowered the clearance levels for floors from 40 ug/ft2 to 10 ug/ft2 and for Window Sills from 250 ug/ft2 to 100 ug/ft2. Window Troughs remain at 400 ug/ft2.

Assessment Results

Visual Inspection

The table below shows the construction related observations made for each classroom. Photographs can be found in Appendix A.

Classroom	Observation
4	Level (tool) found.
5	Dust on bathroom wall.
6	Minor dust/debris on shelf under AC. Dust on bathroom wall.
7	None.
8	Exposed radiator piping and missing trim in bathroom.
9	None.
10	Exposed wires on wall near entrance and pin board had fallen from wall.
10A	None.
11	Exposed nails, loose screws and outlet covers.
12	None.
13	Minor debris on AC coils.

A walkthrough with the head custodian was performed to identify the issues so they could be rectified prior to the opening of school.

Real-time Monitoring

The table below shows the air measurement results for each parameter by location and includes New York Public Employees Safety and Health (PESH) standards, United States Environmental Protection Agency (USEPA) National Ambient Air Quality Standards (NAAQS), and applicable American Society of Heating, Refrigeration and Air Conditioning Engineers (ASHRAE) standards for comparison to the results.

New York PESH standards are occupational exposure limits for a time weighted average 8 hour work day. The EPA NAAQS are much more stringent standards for outdoor ambient air and are generally regarded as more applicable for indoor air comparisons than the occupational limits in some cases. NAAQS values for $PM_{2.5}$, PM_{10}, and CO are included. The PM values are limits based on 24-hour averages, while the CO is based on an 8-hour average. The ASHRAE 62.1-2016 standard, Ventilation for Acceptable Indoor Air Quality, states that a CO2 value less than 700 parts per million (ppm) above outside ambient levels will result in the majority of personnel being satisfied with air quality in regard to fresh air exchange. The primary reason that the ASHRAE guidelines are much lower than the regulatory guidelines is that they are designed for comfort. While no

regulatory standards exist for temperature and humidity for buildings, ASHRAE produces guidelines that are widely accepted. Their standard 55-2017, Thermal Environmental Conditions for Human Occupancy, has such guidelines. A general range for temperature (summer season) and humidity is listed assuming typical conditions for clothing, air movement, radiant heat, and other factors.

The TVOC standard is based on the 8-hour exposure limit for benzene, as the instrument cannot distinguish individual volatile organic compounds unless actual compounds are known. The TVOC measurement is a screening approach to determine if there is a reason for further sampling. Additionally, the RKI requires application of a correction factor for measuring benzene of 0.46. Therefore, the actual measurements are conservative by a factor of approximately 2 when compared to the standard for benzene. TVOC levels can be compared to other typical values for indoor air. According to the AIHA, user specific indoor VOC sources can include solvents present in art supplies, cleaning products, disinfectants, air fresheners, dry erase markers, and even occupants themselves (perfumes, aftershave, or deodorants) with typical total VOCs indoors ranging from 50 to 1000 (ug/m3). Results can also be compared to values determined from studies published by Dr. Lars Molhave discussed in "Total Volatile Organic Compounds in Indoor Air Quality Investigations". This study details the relation between low levels of total VOCs and human health and comfort. Less than 200 ug/m3 is expected to result in no discomfort, while 200-3,000 ug/m^3 is a multi-factorial exposure range which may result in discomfort if other factors are present such as excessive dust, light, noise, or uncomfortable thermal conditions.

Location	Time	$PM_{2.5}$ (µg/m^3)	PM_{10} (µg/m^3)	TPM (µg/m^3)	TVOC (ppb)	TVOC* (µg/m^3)	CO (ppm)	CO_2 (ppm)	Temp. (°F)	RH (%)
Occupational - NY PESH			**5,000**	**15,000**	**1,000**	**3,319**	**35**			
Environmental – EPA NAAQS		**35**	**150**				**9**			
ASHRAE Standards							**9**	**1,150**	**73 - 78**	**20 - 65**
AIHA Indoor Air Typical Range						**50 - 1,000**				
4	13:28	3.9	20.3	26.4	245	563	0	532	77.9	52.5
5	13:43	3.2	15.0	16.8	49	113	0	460	76.1	50.3
6	13:48	3.7	46.0	55.7	60	138	0	447	76.1	51.9
7	14:00	2.5	15.1	16.6	180	414	0	438	77	48.8
8	14:07	2.8	16.0	18.5	376	864	0	439	**78.8**	50.4
9	14:14	3.0	12.2	13.5	317	729	0	468	**79.7**	48.2
10	14:53	2.0	60.7	81.6	203	467	0	511	75.2	49.6
10A	14:58	2.0	38.8	55.8	172	395	0	554	77	53.4

Location	Time	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TPM (µg/m³)	TVOC (ppb)	TVOC* (µg/m³)	CO (ppm)	CO_2 (ppm)	Temp. (°F)	RH (%)
Occupational - NY PESH			**5,000**	**15,000**	**1,000**	**3,319**	**35**			
Environmental – EPA NAAQS		**35**	**150**				**9**			
ASHRAE Standards							**9**	**1,150**	**73 - 78**	**20 - 65**
AIHA Indoor Air Typical Range						**50 - 1,000**				
11	14:38	2.5	18.5	22.9	357	821	0	465	77	52.1
12	14:31	2.5	11.5	14.8	222	510	0	443	77	51
13	14:27	2.7	10.1	11.1	98	225	0	433	76.1	47.5
Outdoor	15:12	1.7	20.9	32.5	0	0	0	451	77.9	36.9

* Total VOC ug/m3 = [ppb × molecular weight isobutylene (56.11 g / mol)] ÷ 24.45 (molar volume @ 25 ºC / 77 ºF).

The results indicate that dust levels are well below the PESH permissible exposure limits (PELs) and EPA NAAQS for PM2.5, PM_{10}, and total dust. TVOC readings were greater than 200 ug/m³ for most of the rooms, however, were within the multi-factoral range and within typical levels for indoor air. Given the absence of other factors it is unlikely discomfort would result from these levels. Levels can be primarily attributed to cleaning occurring during the morning of the 31st, with potential residual VOCs from construction activities observed on the 30th (trim painting and pin board hanging). Levels were observed to drop by half from the morning to the afternoon on the 31st with windows open, ventilating the rooms. CO was 0 ppm for all readings. Outdoor CO_2 levels measured during the assessment were approximately 450 ppm, therefore the indoor levels measured did not exceed the ASHRAE guidelines for occupant comfort (>1,150 ppm) however, the rooms were largely unoccupied during the evaluation. Occupants generate CO_2 throughout the day which accumulates indoors and decreases depending on outdoor air exchange. These readings are likely to differ when taken while the building is occupied. Temperature readings were slightly outside the recommended range for two (2) rooms, however, the air conditioning was off at the time of inspection and would likely be within range if used. Relative humidity readings were within the recommended ranges.

Asbestos Sampling

Air asbestos samples results were non-detect for the sampling on the 30th, except for samples in rooms 4 and 8, which were overloaded (unable to be analyzed due to too much collected material on the filter). Rooms 4 and 8 were resampled on the 31st and were reported as non-detect. This is the lowest possible result and is well below health and clearance limits. Asbestos results are found in Appendix B.

Lead Sampling

The results of the lead sampling on the 30th indicated that the only samples that exceeded EPA's revised Dust-Lead Hazard Standards were the hallway samples outside of classrooms 4 and 7. This is likely due to observed

dust on the floor tracked in by occupants as lead naturally occurs in soil at levels ranging 50 to 500 mg/kg[1]. These areas were recleaned, and resampled on the 31st. These two follow-up samples passed EPA standards for floors (<10 ug/ft^2). Lead dust sample results are found in Appendix C.

Recommendations

The visual inspection found few observed residual construction-related action items to be addressed in the rooms as detailed in the visual inspection section of this report. These remaining items were identified during a walkthrough with facilities on August 31st. The results of the air monitoring conclude that dust levels are well below applicable regulations and guidelines. Comfort parameters were in range for most of the rooms. Though VOCs are within typical ranges for indoor air, levels could be reduced prior to opening of the school.

Based on the results of this evaluation, WSP recommends the following:

1. Rectify the action items identified during the visual inspection prior to opening of the school.
2. Provide additional ventilation to the rooms (open windows) during remaining preparation activities (cleaning, waxing, etc.)

Limitations, Exceptions and Assumptions

Opinions and recommendations presented in this report apply to site conditions and features as they existed at the time of WSP's site visits, and those reasonably foreseeable. They cannot necessarily apply to conditions and features of which WSP is unaware and has not had the opportunity to evaluate. The conclusions presented in this report are professional opinions based solely upon WSP's visual observations of accessible areas and sampling data. These conclusions are intended exclusively for the purpose state herein, at the sites indicated, and for the project indicated. No expressed or implied representation or warranty is included or intended in our reports, except that our services were performed, within the limits prescribed by our client, with the customary thoroughness and competence of our profession.

If you have any questions concerning this information, please feel free to contact me at (212) 612-7900.

Sincerely,

Michael J. Johnson, PE CHMM
Industrial Hygienist
MA# 01190

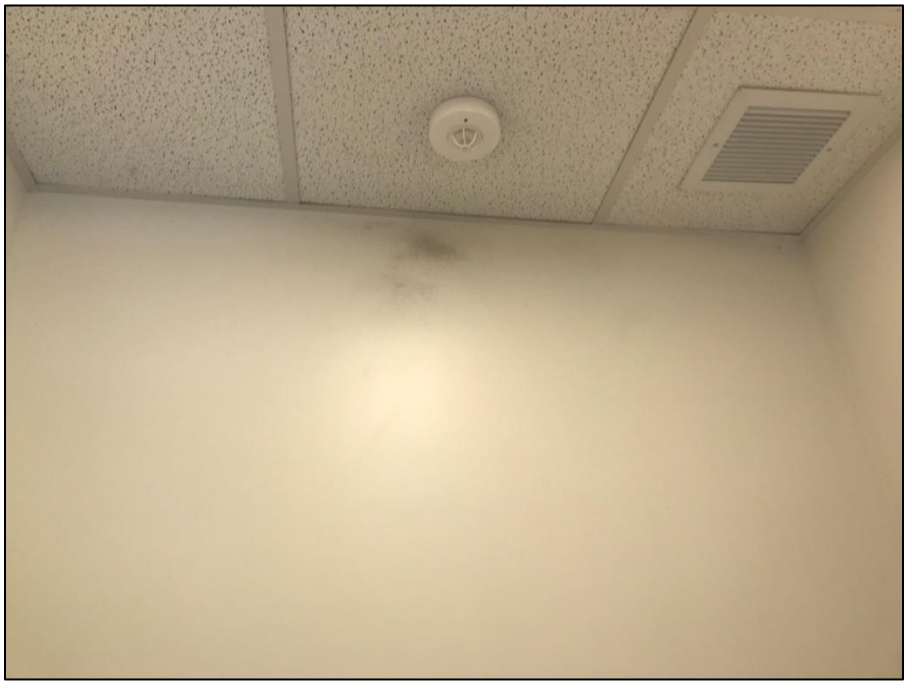
Cc: C. Napolitano

[1] https://www.epa.gov/lead/learn-about-lead

APPENDIX A

Photolog

Room 5 – Dust on bathroom wall.



Room 8 – Exposed radiator piping and missing trim.

Room 11 – Exposed nails.

Room 11 – Remaining screw (removed).

Room 10 – Exposed wires near door.

Room 10 – Fallen pin board.

APPENDIX B

Asbestos Sample Results and Chain of Custody

EMSL Analytical, Inc.

528 Mineola Avenue Carle Place, NY 11514
Tel/Fax: (516) 997-7251 / (516) 997-7528
http://www.EMSL.com / carleplacelab@emsl.com

EMSL Order: 061920381
Customer ID: LBAP78
Customer PO: 2042892.057
Project ID:

Attention: SANDRA SANTANA
Louis Berger U.S., Inc
96 Morton Street
8th floor
New York, NY 10014
Project: 2042892.057

Phone: (212) 612-7900
Fax:
Received Date: 08/30/2019 13:40 PM
Analysis Date: 08/30/2019
Collected Date: 08/30/2019

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Appendix A to Subpart E

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Type(s)	#Structures ≥0.5µ < 5µ	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
1	Room 4	1438.00			Overloaded					N/A
061920381-0001										
2	Room 5	1408.00	0.0645	0	None Detected	0	0	0.0042	<16.00	<0.0042
061920381-0002										
3	Room 6	1424.00	0.0645	0	None Detected	0	0	0.0042	<16.00	<0.0042
061920381-0003										
4	Room 7	1446.00	0.0645	0	None Detected	0	0	0.0041	<16.00	<0.0041
061920381-0004										
5	Room 8	1480.00			Overloaded					N/A
061920381-0005										
6	Room 9	1455.00	0.0645	0	None Detected	0	0	0.0041	<16.00	<0.0041
061920381-0006										
7	Room 10	1462.00	0.0645	0	None Detected	0	0	0.0041	<16.00	<0.0041
061920381-0007										
8	Room 10A	1451.00	0.0645	0	None Detected	0	0	0.0041	<16.00	<0.0041
061920381-0008										
9	Room 12	1447.00	0.0645	0	None Detected	0	0	0.0041	<16.00	<0.0041
061920381-0009										
10	Room 11	1449.00	0.0645	0	None Detected	0	0	0.0041	<16.00	<0.0041
061920381-0010										
11	Room 13	1397.00	0.0645	0	None Detected	0	0	0.0043	<16.00	<0.0043
061920381-0011										

Analyst(s)

Jackson Li (9)

Daniel Clarke, Asbestos Laboratory Manager
or other approved signatory

Initial report from: 08/30/2019 18:59 PM

EMSL Analytical, Inc.

528 Mineola Avenue Carle Place, NY 11514

Tel/Fax: (516) 997-7251 / (516) 997-7528

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

EMSL Order: 061920467
Customer ID: LBAP78
Customer PO: 2042892.056
Project ID:

Attention: Michael J. Johnson
Louis Berger U.S., Inc
96 Morton Street
8th floor
New York, NY 10014

Project: 2042892.056

Phone: (212) 612-7900
Fax:
Received Date: 08/31/2019 13:16 PM
Analysis Date: 08/31/2019
Collected Date: 08/31/2019

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Appendix A to Subpart E

Sample	Location	Volume (Liters)	Area Analyzed (mm^2)	Non Asb	Asbestos Type(s)	#Structures ≥0.5μ < 5μ	#Structures ≥5μ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm^2)	Asbestos Concentration (S/cc)
1	Room 4	1260.00	0.0645	0	None Detected	0	0	0.0047	<16.00	<0.0047
061920467-0001										
2	Room 8	1260.00	0.0645	0	None Detected	0	0	0.0047	<16.00	<0.0047
061920467-0002										

Analyst(s)

Soaiful Islam (2)

Daniel Clarke, Asbestos Laboratory Manager
or other approved signatory

Initial report from: 08/31/2019 15:24 PM

OrderID: 061920381

061920381

Asbestos Chain of Custody

EMSL Order Number *(Lab Use Only)*:

~~061920384~~ KV

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

PHONE:
FAX:

Company Name: Louis Berger		**EMSL Customer ID:**	
Street: 96 Morton St.		**City:** New York	**State/Province:** NY
Zip/Postal Code: 10014	**Country:**	**Telephone #:**	**Fax #:**
Report To (Name): Sandra Santana		**Please Provide Results:** ☐ Fax ☑ Email	
Email Address: ssantana@louisberger.com		**Purchase Order:**	
Project Name/Number: 042892.057		**EMSL Project ID** *(Internal Use Only)*:	
U.S. State Samples Taken:		**CT Samples:** ☐ Commercial/Taxable ☐ Residential/Tax Exempt	

EMSL-Bill to: ☐ Same ☐ Different - If Bill to is Different note instructions in Comments**
Third Party Billing requires written authorization from third party

Turnaround Time (TAT) Options* – Please Check (KV)

☐ 3 Hour | ☑ 6 Hour | ☐ 24 Hour | ☐ 48 Hour | ☐ 72 Hour | ☐ 96 Hour | ☐ 1 Week | ☐ 2 Week

*For TEM Air 3 hr through 6 hr, please call ahead to schedule.*There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.*

PCM - Air ☐ Check if samples are from NY
☐ NISOH 7400
☐ w/ OSHA 8hr. TWA

PLM - Bulk (reporting limit)
☐ PLM EPA 600/R-93/116 (<1%)
☐ PLM EPA NOB (<1%)
Point Count
☐ 400 (<0.25%) ☐ 1000 (<0.1%)
Point Count w/Gravimetric
☐ 400 (<0.25%) ☐ 1000 (<0.1%)
☐ NYS 198.1 (friable in NY)
☐ NYS 198.6 NOB (non-friable-NY)
☐ NYS 198.8 SOF-V
☐ NIOSH 9002 (<1%)

TEM – Air ☐ 4-4.5hr TAT (AHERA only)
☑ AHERA 40 CFR, Part 763 (KV)
☐ NIOSH 7402
☐ EPA Level II
☐ ISO 10312

TEM - Bulk
☐ TEM EPA NOB
☐ NYS NOB 198.4 (non-friable-NY)
☐ Chatfield SOP
☐ TEM Mass Analysis-EPA 600 sec. 2.5

TEM – Water: EPA 100.2
Fibers >10µm ☐ Waste ☐ Drinking
All Fiber Sizes ☐ Waste ☐ Drinking

TEM- Dust
☐ Microvac - ASTM D 5755
☐ Wipe - ASTM D6480
☐ Carpet Sonication (EPA 600/J-93/167)

Soil/Rock/Vermiculite
☐ PLM EPA 600/R-93/116 with milling prep (<1%)
☐ PLM EPA 600/R-93/116 with milling prep (<0.25%)
☐ TEM EPA 600/R-93/116 with milling prep (<0.1%)
☐ TEM Qualitative via Filtration Prep
☐ TEM Qualitative via Drop Mount Prep
☐ Cincinnati Method-EPA-600/R-04/004 – PLM/TEM (BC only)

Other:
☐

RECEIVED AUG 30 PM 2 ARLE PLACE, ANALYTICAL

☐ Check For Positive Stop – Clearly Identify Homogenous Group

Filter Pore Size (Air Samples): ☐ 0.8µm ☐ 0.45µm

Samplers Name:

Samplers Signature:

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
1	Room 4	1438 L	8/30/19 8:18am - 11:06AM
2	Room 5	1408 L	8:25am - 11:09
3	Room 6	1424 L	8:29am - 11:11
4	Room 7	1446 L	8:32am - 11:16
5	Room 8	1480 L	8:34am - 11:19

Client Sample # (s):

Total # of Samples: 13

Relinquished (Client): Nicholas Casale **Date:** 8/30/19 **Time:** 1:35 PM

Received (Lab): Katherine Viaud **Date:** 8-30-19 **Time:** 1:40 PM

Comments/Special Instructions:

TEM- DL 8/30/19

Page 1 of 2 pages

OrderID: 061920381

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Asbestos Chain of Custody

EMSL Order Number *(Lab Use Only)*: 061920381

PHONE:
FAX:

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

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
6	Room 9	1455 L	8/30/19 8:38am - 11:23
7	Room 10	1462 L	8:43am 11:25
8	Room 10A	1451 L	8:45am 11:27
9	Room 12	1447 L	8:47am 11:29
10	Room 11	1449 L	8:49am 11:31
11	Room 13	1397 L	8/30/19 8:36am 11:33
12	Blank		
13	Blank		

RECEIVED
EMSL ANALYTICAL, INC.
CARLE PLACE, NY
19 AUG 30 PM 1:41

***Comments/Special Instructions:**

TEM - DS 8/30/19

Page 2 of 2 pages

Controlled Document – Asbestos COC – R10 – 05/09/2016

OrderID: 061920467

Asbestos Chain of Custody

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

EMSL Order Number (*Lab Use Only*): 061920467

PHONE:
FAX:

Company Name: Louis Berger / WSP		**EMSL Customer ID:**	
Street: 96 Morton Street		**City:** NYC	**State/Province:** NY
Zip/Postal Code:	**Country:**	**Telephone #:**	**Fax #:**
Report To (Name): Michael Johnson		**Please Provide Results:** ☐ Fax ☒ Email	
Email Address: Mjjohnson@louisberger.com		**Purchase Order:**	
Project Name/Number: 2042892.056		**EMSL Project ID** (*Internal Use Only*):	
U.S. State Samples Taken: NY		**CT Samples:** ☐ Commercial/Taxable ☐ Residential/Tax Exempt	

EMSL-Bill to: ☒ Same ☐ Different - If Bill to is Different note instructions in Comments**
Third Party Billing requires written authorization from third party

Turnaround Time (TAT) Options* – Please Check

☒ 3 Hour	☐ 6 Hour	☐ 24 Hour	☐ 48 Hour	☐ 72 Hour	☐ 96 Hour	☐ 1 Week	☐ 2 Week

*For TEM Air 3 hr through 6 hr, please call ahead to schedule.*There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.

PCM - Air ☐ Check if samples are from NY
☐ NIOSH 7400
☐ w/ OSHA 8hr. TWA

PLM - Bulk (reporting limit)
☐ PLM EPA 600/R-93/116 (<1%)
☐ PLM EPA NOB (<1%)
Point Count
☐ 400 (<0.25%) ☐ 1000 (<0.1%)
Point Count w/Gravimetric
☐ 400 (<0.25%) ☐ 1000 (<0.1%)
☐ NYS 198.1 (friable in NY)
☐ NYS 198.6 NOB (non-friable-NY)
☐ NYS 198.8 SOF-V
☐ NIOSH 9002 (<1%)

TEM – Air ☐ 4-4.5hr TAT (AHERA only)
☒ AHERA 40 CFR, Part 763 (NS)
☐ NIOSH 7402
☐ EPA Level II
☐ ISO 10312

TEM - Bulk
☐ TEM EPA NOB
☐ NYS NOB 198.4 (non-friable-NY)
☐ Chatfield SOP
☐ TEM Mass Analysis-EPA 600 sec. 2.5

TEM – Water: EPA 100.2
Fibers >10µm ☐ Waste ☐ Drinking
All Fiber Sizes ☐ Waste ☐ Drinking

TEM- Dust
☐ Microvac - ASTM D 5755
☐ Wipe - ASTM D6480
☐ Carpet Sonication (EPA 600/J-93/167)

Soil/Rock/Vermiculite
☐ PLM EPA 600/R-93/116 with milling prep (<1%)
☐ PLM EPA 600/R-93/116 with milling prep (<0.25%)
☐ TEM EPA 600/R-93/116 with milling prep (<0.1%)
☐ TEM Qualitative via Filtration Prep
☐ TEM Qualitative via Drop Mount Prep
☐ Cincinnati Method EPA 600/R-04/004 – PLM/TEM – (BC only)

Other:
☐

☐ Check For Positive Stop – Clearly Identify Homogenous Group

Filter Pore Size (Air Samples): ☐ 0.8µm ☒ 0.45µm

Samplers Name: N. Casale + D Chesken **Samplers Signature:** N Casale D

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
1	Room 4	1,260 Liters	8/31/19 8:10 AM - 10:30 am
2	Room 8	1,260 Liters	8:15 AM - 10:35 am
3	Blank	—	—
4	Blank	—	—
5	Blank	—	—

Client Sample # (s): 1 - 4 **Total # of Samples:** 4

Relinquished (Client): D C **Date:** 8/31/19 **Time:** 1:09 pm

Received (Lab): Katherine Viera **Date:** 8-31-19 1:13 PM **Time:**

Comments/Special Instructions:

RECEIVED
EMSL ANALYTICAL, INC.
CARLE PLACE, NY
19 AUG 31 PM 1:13

Page 1 of 1 pages

Controlled Document – Asbestos COC – R10 – 05/09/2016

2:48 P.M.

APPENDIX C

Lead Sample Results and Chain of Custody

EMSL Analytical, Inc.
528 Mineola Avenue, Carle Place, NY 11514
Phone/Fax: (516) 997-7251 / (516) 997-7528
http://www.EMSL.com carleplacelab@emsl.com

EMSL Order:	061920395
CustomerID:	LBAP78
CustomerPO:	2042892.057
ProjectID:	

Attn: **Mike Johnson**
Louis Berger U.S., Inc
96 Morton Street
8th floor
New York, NY 10014

Phone:	(212) 612-7900
Fax:	
Received:	08/30/19 1:41 PM
Collected:	8/29/2019

Project: **Scarsdale School District, Greenacres Elementary, Project # 2042892.057**

Test Report: Lead in Dust by Flame AAS (SW 846 3051A/7000B)*

Client Sample Description	*Lab ID*	*Collected*	*Analyzed*	*Area Sampled*	*Lead Concentration*
4F	*061920395-0001*	8/29/2019	8/31/2019	144 in²	7.8 µg/ft²
	Site: Room 4, Floor				
4U	*061920395-0002*	8/29/2019	8/31/2019	143 in²	<6.0 µg/ft²
	Site: Room 4, Univent				
4S	*061920395-0003*	8/29/2019	8/31/2019	101.25 in²	<8.5 µg/ft²
	Site: Room 4, Window Sill				
4W	*061920395-0004*	8/29/2019	8/31/2019	80 in²	<11 µg/ft²
	Site: Room 4, Window Well				
4H	*061920395-0005*	8/29/2019	8/31/2019	144 in²	13 µg/ft²
	Site: Hall @ 4, Floor				
5F	*061920395-0006*	8/29/2019	8/31/2019	144 in²	<6.0 µg/ft²
	Site: Room 5, Floor				
5U	*061920395-0007*	8/29/2019	8/31/2019	143 in²	<6.0 µg/ft²
	Site: Room 5, Univent				
5S	*061920395-0008*	8/29/2019	8/31/2019	101.25 in²	<8.5 µg/ft²
	Site: Room 5, Window Sill				
5W	*061920395-0009*	8/29/2019	8/31/2019	80 in²	<11 µg/ft²
	Site: Room 5, Window Well				
5H	*061920395-0010*	8/29/2019	8/31/2019	144 in²	<6.0 µg/ft²
	Site: Hall @ 5, Floor				
6F	*061920395-0011*	8/29/2019	8/31/2019	144 in²	<6.0 µg/ft²
	Site: Room 6, Floor				
6U	*061920395-0012*	8/29/2019	8/31/2019	143 in²	<6.0 µg/ft²
	Site: Room 6, Univent				
6S	*061920395-0013*	8/29/2019	8/31/2019	101.25 in²	<8.5 µg/ft²
	Site: Room 6, Window Sill				
6W	*061920395-0014*	8/29/2019	8/31/2019	80 in²	12 µg/ft²
	Site: Room 6, Window Well				
6H	*061920395-0015*	8/29/2019	8/31/2019	144 in²	<6.0 µg/ft²
	Site: Hall @ 6, Floor				

Alger Liang, Lead Laboratory Manager
or other approved signatory

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Initial report from 08/31/2019 10:09:28

EMSL Analytical, Inc.
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EMSL Order:	061920395
CustomerID:	LBAP78
CustomerPO:	2042892.057
ProjectID:	

Attn: **Mike Johnson**
Louis Berger U.S., Inc
96 Morton Street
8th floor
New York, NY 10014

Phone:	(212) 612-7900
Fax:	
Received:	08/30/19 1:41 PM
Collected:	8/29/2019

Project: **Scarsdale School District, Greenacres Elementary, Project # 2042892.057**

Test Report: Lead in Dust by Flame AAS (SW 846 3051A/7000B)*

Client Sample Description	*Lab ID*	*Collected*	*Analyzed*	*Area Sampled*	*Lead Concentration*
8F	*061920395-0016*	8/29/2019	8/31/2019	144 in²	<6.0 µg/ft²
	Site: Room 8, Floor				
8U	*061920395-0017*	8/29/2019	8/31/2019	143 in²	<6.0 µg/ft²
	Site: Room 8, Univent				
8S	*061920395-0018*	8/29/2019	8/31/2019	105 in²	<8.2 µg/ft²
	Site: Room 8, Window Sill				
8W	*061920395-0019*	8/29/2019	8/31/2019	83 in²	<10 µg/ft²
	Site: Room 8, Window Well				
8H	*061920395-0020*	8/29/2019	8/31/2019	144 in²	<6.0 µg/ft²
	Site: Hall @ 8, Floor				
7F	*061920395-0021*	8/29/2019	8/31/2019	144 in²	<6.0 µg/ft²
	Site: Room 7, Floor				
7U	*061920395-0022*	8/29/2019	8/31/2019	143 in²	<6.0 µg/ft²
	Site: Room 7, Univent				
7S	*061920395-0023*	8/29/2019	8/31/2019	105 in²	<8.2 µg/ft²
	Site: Room 7, Window Sill				
7W	*061920395-0024*	8/29/2019	8/31/2019	166 in²	16 µg/ft²
	Site: Room 7, Window Well				
7H	*061920395-0025*	8/29/2019	8/31/2019	144 in²	39 µg/ft²
	Site: Hall @ 7, Floor				
B3	*061920395-0026*	8/29/2019	8/31/2019	N/A	<6.0 µg/wipe
	Site: Blank				
B4	*061920395-0027*	8/29/2019	8/31/2019	N/A	<6.0 µg/wipe
	Site: Blank				

Alger Liang, Lead Laboratory Manager
or other approved signatory

*Analysis following Lead in Dust by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 6 ug/wipe. Ug/wipe = ug/ft2 x area sampled in ft2. 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 (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in ug/ft2 which is dependent upon the area provided by non-lab pesonnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "<" (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.

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

EMSL Order:	061920380
CustomerID:	LBAP78
CustomerPO:	2042892.057
ProjectID:	

Attn: **Michael J. Johnson**
Louis Berger U.S., Inc
96 Morton Street
8th floor
New York, NY 10014

Phone:	(212) 612-7900
Fax:	
Received:	08/30/19 1:41 PM
Collected:	8/29/2019

Project: **Scarsdale School District, Greenacres Elementary, Interior, Project #:2042892.057**

Test Report: Lead in Dust by Flame AAS (SW 846 3051A/7000B)*

Client Sample Description	*Lab ID*	*Collected*	*Analyzed*	*Area Sampled*	*Lead Concentration*
1	*061920380-0001*	8/29/2019	8/30/2019	144 in²	7.6 µg/ft²
	Site: Floor 1, 13F, Floor				
2	*061920380-0002*	8/29/2019	8/30/2019	144 in²	<6.0 µg/ft²
	Site: Floor 1, 13H, Floor-Hall				
3	*061920380-0003*	8/29/2019	8/30/2019	61.5 in²	<14 µg/ft²
	Site: Floor 1, 13W, Well				
4	*061920380-0004*	8/29/2019	8/30/2019	97.375 in²	<8.9 µg/ft²
	Site: Floor 1, 13S, Sill				
5	*061920380-0005*	8/29/2019	8/30/2019	144 in²	<6.0 µg/ft²
	Site: Floor 1, 13U, Lead Vent				
6	*061920380-0006*	8/29/2019	8/30/2019	144 in²	<6.0 µg/ft²
	Site: Floor 1, 12F, Floor				
7	*061920380-0007*	8/29/2019	8/30/2019	N/A	7.3 µg/wipe
	Site: Floor 1, 12H, Floor Hall				
8	*061920380-0008*	8/29/2019	8/30/2019	61.5 in²	23 µg/ft²
	Site: Floor 1, 12W, Well				
9	*061920380-0009*	8/29/2019	8/30/2019	97.375 in²	<8.9 µg/ft²
	Site: Floor 1, 12S,Sill				
10	*061920380-0010*	8/29/2019	8/30/2019	144 in²	<6.0 µg/ft²
	Site: Floor 1, 12U, Univent				
11	*061920380-0011*	8/29/2019	8/30/2019	144 in²	<6.0 µg/ft²
	Site: Floor 1, 10A-F, Floor				
12	*061920380-0012*	8/29/2019	8/30/2019	144 in²	6.1 µg/ft²
	Site: Floor 1, 10A-H, Hall Floor				
13	*061920380-0013*	8/29/2019	8/30/2019	97.3125 in²	<8.9 µg/ft²
	Site: Floor 1, 10A-W, Well				
14	*061920380-0014*	8/29/2019	8/30/2019	173 in²	<5.0 µg/ft²
	Site: Floor 1, 10A-S, Sill				
15	*061920380-0015*	8/29/2019	8/30/2019	144 in²	<6.0 µg/ft²
	Site: Floor 1, 10A-U, Univent				

Alger Liang, Lead Laboratory Manager
or other approved signatory

*Analysis following Lead in Dust by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 6 ug/wipe. Ug/wipe = ug/ft2 x area sampled in ft2. 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 (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in ug/ft2 which is dependent upon the area provided by non-lab pesonnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "<" (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.

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Initial report from 08/31/2019 09:58:00

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

EMSL Order:	061920380
CustomerID:	LBAP78
CustomerPO:	2042892.057
ProjectID:	

Attn: **Michael J. Johnson**
Louis Berger U.S., Inc
96 Morton Street
8th floor
New York, NY 10014

Phone: (212) 612-7900
Fax:
Received: 08/30/19 1:41 PM
Collected: 8/29/2019

Project: **Scarsdale School District, Greenacres Elementary, Interior, Project #:2042892.057**

Test Report: Lead in Dust by Flame AAS (SW 846 3051A/7000B)*

Client Sample Description	*Lab ID*	*Collected*	*Analyzed*	*Area Sampled*	*Lead Concentration*
16	*061920380-0016*	8/29/2019	8/30/2019	144 in²	<6.0 µg/ft²
	Site: Floor 1, 10F, Floor				
17	*061920380-0017*	8/29/2019	8/30/2019	143 in²	<6.0 µg/ft²
	Site: Floor 1, Room 10, Univent				
18	*061920380-0018*	8/29/2019	8/30/2019	103.75 in²	<8.3 µg/ft²
	Site: Floor 1, Room 10, Window Sill				
19	*061920380-0019*	8/29/2019	8/30/2019	82 in²	11 µg/ft²
	Site: Floor 1, Room 10, Window Well				
20	*061920380-0020*	8/29/2019	8/30/2019	144 in²	<6.0 µg/ft²
	Site: Floor 1, 11F, Floor				
21	*061920380-0021*	8/29/2019	8/31/2019	144 in²	<6.0 µg/ft²
	Site: Floor 1, 11H, Hall-Floor				
22	*061920380-0022*	8/29/2019	8/31/2019	143 in²	<6.0 µg/ft²
	Site: Floor 1. Room 11, Univent				
23	*061920380-0023*	8/29/2019	8/31/2019	101.25 in²	<8.5 µg/ft²
	Site: Floor 1, Room 11, Sill				
24	*061920380-0024*	8/29/2019	8/31/2019	80 in²	13 µg/ft²
	Site: Floor 1, Room 11, Well				
25	*061920380-0025*	8/29/2019	8/31/2019	144 in²	<6.0 µg/ft²
	Site: Floor 1, 9F, Floor				
26	*061920380-0026*	8/29/2019	8/31/2019	144 in²	<6.0 µg/ft²
	Site: Floor 1, 9H, Hall-Floor				
27	*061920380-0027*	8/29/2019	8/31/2019	143 in²	<6.0 µg/ft²
	Site: Floor 1, Room 9, Univent				
28	*061920380-0028*	8/29/2019	8/31/2019	105 in²	<8.2 µg/ft²
	Site: Floor 1, Room 9, Window Sill				
29	*061920380-0029*	8/29/2019	8/31/2019	83 in²	<10 µg/ft²
	Site: Floor 1, Room 9, Window Well				
30	*061920380-0030*	8/29/2019	8/31/2019	N/A	<6.0 µg/wipe
	Site: Floor 1, Blank				

Alger Liang, Lead Laboratory Manager
or other approved signatory

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EMSL Order:	061920380
CustomerID:	LBAP78
CustomerPO:	2042892.057
ProjectID:	

Attn: **Michael J. Johnson**
Louis Berger U.S., Inc
96 Morton Street
8th floor
New York, NY 10014

Phone:	(212) 612-7900
Fax:	
Received:	08/30/19 1:41 PM
Collected:	8/29/2019

Project: **Scarsdale School District, Greenacres Elementary, Interior, Project #:2042892.057**

Test Report: Lead in Dust by Flame AAS (SW 846 3051A/7000B)*

Client Sample Description	*Lab ID*	*Collected*	*Analyzed*	*Area Sampled*	*Lead Concentration*
31	*061920380-0031*	8/29/2019	8/31/2019	N/A	<6.0 µg/wipe
	Site: Floor 1, Blank				

Alger Liang, Lead Laboratory Manager
or other approved signatory

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Phone/Fax: (516) 997-7251 / (516) 997-7528
http://www.EMSL.com carleplacelab@emsl.com

EMSL Order:	061920468
CustomerID:	LBAP78
CustomerPO:	2042892.057
ProjectID:	

Attn: **Mike Johnson**
Louis Berger U.S., Inc
96 Morton Street
8th floor
New York, NY 10014

Phone: (212) 612-7900
Fax:
Received: 08/31/19 1:10 PM
Collected: 8/30/2019

Project: **2042892.057, Scarsdale School District, Greenacres Elementary, Interior**

Test Report: Lead in Dust by Flame AAS (SW 846 3051A/7000B)*

Client Sample Description	*Lab ID*	*Collected*	*Analyzed*	*Area Sampled*	*Lead Concentration*
4H-B	*061920468-0001*	8/30/2019	8/31/2019	144 in²	<6.0 µg/ft²
	Site: Room 4 - Hallway Desc: Floor				
7H-B	*061920468-0002*	8/30/2019	8/31/2019	144 in²	<6.0 µg/ft²
	Site: Room 7 - Hallway Desc: Floor				
	061920468-0003	8/30/2019	8/31/2019	N/A	<6.0 µg/wipe
	Site: Blank				
	061920468-0004	8/30/2019	8/31/2019	N/A	<6.0 µg/wipe
	Site: Blank				

Alger Liang, Lead Laboratory Manager
or other approved signatory

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Initial report from 08/31/2019 14:45:17

LEAD PAINT SURVEY DATA SHEET/ CHAIN OF CUSTODY

PROJECT NO.: 2042892.057
CLIENT: Scarsdale School District
SITE: Greenacres Elementary
Project Manager: M. Johnson

LOCATION(S) SURVEYED : Interior
PROPOSED PROJECT : N/A
DATE(S) OF INSPECTION: 8/29
Inspector(s): Mike Johnson / Nick Casale

LEVEL/ FLOOR	AREA LOCATION	AREA DESCRIPTION	SAMPLE NO.	TESTING COMBINATION: STRUCTURE/ BUILDING COMPONENT	TESTING COMBINATION: SUBSTRATE	SURFACE MATERIAL	SIZE OF SAMPLE	COLOR	QUANTITY SF or LF	RESULTS (mg/cm²) or (PPM)
1	1. Interior 2. Exterior 3.	13f		floor	(1) Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4.	(1) 12 ins. x 12 ins. 2.			
	1. Interior 2. Exterior 3.	13H		floor-hall	(1) Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4.	(1) 12 ins. x 12 ins. 2.			
	1. Interior 2. Exterior 3.	13W		well	1. Vinyl Tile (2) Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	1. 12 ins. x 12 ins. 2. 1.5"x41"	tan		
	1. Interior 2. Exterior 3.	13S		sill	1. Vinyl Tile (2) Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	1. 12 ins. x 12 ins. 2. 2 3/8"x41"	tan		
	1. Interior 2. Exterior 3.	13U		louvent	1. Vinyl Tile (2) Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	1. 12 ins. x 12 ins. 2. 6"x24"	White		
	1. Interior 2. Exterior 3.	12f		floor	(1) Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	(1) 12 ins. x 12 ins. 2.			
	1. Interior 2. Exterior 3.	12H		floor Hall	1. Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	1. 12 ins. x 12 ins. 2.			
	1. Interior 2. Exterior 3.	12W		Well	1. Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	1. 12 ins. x 12 ins. 2. 1.5"x41"	tan		

RECEIVED LEAD ANALYTICAL, INC. CARLE PLACE, NY
19 AUG 30 PM 1:41

Page 1 Of 7

PHYSICAL CONDITION ASSESSMENT

Intact - Entire surface is intact
Fair - Less than or equal to 10 square feet
Poor - More than 10 square feet.

A- ASSUMED (NOT SAMPLED)

AAS – ATOMIC ABSORPTION SPECTROMETRY

XRF – X RAY FLOURESCENT

CHAIN OF CUSTODY

Type of Analysis: AAS / XRF
Turnaround Time 6 hrs 12 hrs 24 hrs 48 hrs 72 hrs 5 days

			DATE	TIME
Relinquished by: (print) N. Casale	(Sign)		8/30/19	1:30 AM/PM
Received by: (print)	(Sign)		/ /	AM/PM
Relinquished by. (print)	(Sign)		/ /	AM/PM
Received by: (print)	(Sign)		/ /	AM/PM

CERT. NO.:
NAME:
SIGNATURE:

TELEPHONE NO. : (212) 612.7900
ADDRESS: 96 Morton Street, 8 Floor, New York, NY 10014

TASKS COMPLETED:
1.A visual determination of accessible painted surfaces and condition.
2 Collect paint chip samples of suspect surfaces of building components.
3.Quantify the amount of painted surfaces in their respective locations.
6.Submit bulk samples for analysis by AAS
7.Sample locations and suspect materials were identified on the appropriate building floor plan diagram with the sample number (optional).
8. A Chain of Custody record accompanied the samples to the laboratory

FIELD NOTES: Email all lab report to labresults@louisberger.com

LEAD PAINT SURVEY DATA SHEET/ CHAIN OF CUSTODY

PROJECT NO.: 2042892.057
CLIENT: Scarsdale School District
SITE: Greenacres Elementary
Project Manager: M. Johnson

LOCATION(S) SURVEYED : Interior
PROPOSED PROJECT : N/A
DATE(S) OF INSPECTION: 8/29
Inspector(s): Mike Johnson / Nick Casale

LEVEL/ FLOOR	AREA LOCATION	AREA DESCRIPTION	SAMPLE NO.	TESTING COMBINATION: STRUCTURE/ BUILDING COMPONENT	TESTING COMBINATION: SUBSTRATE	SURFACE MATERIAL	SIZE OF SAMPLE	COLOR	QUANTITY SF or LF	RESULTS (mg/cm²) or (PPM)
	1. Interior 2. Exterior 3.	12S		Sill	1. Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4.	1. 12 ins. x 12 ins. 2. 2 3/8" x 41"	tan		
	1. Interior 2. Exterior 3.	12U		Univent	1. Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4.	1. 12 ins. x 12 ins. 2. 6" x 24"	white		
	1. Interior 2. Exterior 3.	10A-F		floor	(1). Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	1. ~~12 ins. x 12 ins.~~ 2.			
	1. Interior 2. Exterior 3.	10A-H		Hall floor	(1) Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	1. ~~12 ins. x 12 ins.~~ 2.	tan		
	1. Interior 2. Exterior 3.	10A-W		Well	1. Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	1. 12 ins. x 12 ins. 2. 1.5" x 43.25"	tan		
	1. Interior 2. Exterior 3.	10A-S		Sill	1. Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	1. 12 ins. x 12 ins. 2. 2" x 43.25"	tan		
	1. Interior 2. Exterior 3.	10A-U		Univent	1. Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	1. 12 ins. x 12 ins. 2. 6" x 24"	white		
	1. Interior 2. Exterior 3.	10F		Floor	(1) Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	(1) 12 ins. x 12 ins. 2.	white		

RECEIVED BY ANALYTICAL LABORATORIES, INC. 19 AUG 30 PM 1:41

PHYSICAL CONDITION ASSESSMENT	CHAIN OF CUSTODY				CERT. NO.:
Intact - Entire surface is intact Fair - Less than or equal to 10 square feet Poor - More than 10 square feet.	Type of Analysis: AAS / XRF Turnaround Time 6 hrs 12 hrs 24 hrs 48 hrs 72 hrs 5 days		DATE	TIME	NAME: SIGNATURE:
A- ASSUMED (NOT SAMPLED)	Relinquished by: (print) N. Casale	(Sign)	8/30/19	1:36 AM/PM	TELEPHONE NO. : (212) 612.7900 ADDRESS: 96 Morton Street, 8 Floor, New York, NY 10014
	Received by: (print)	(Sign)	/ /	AM/PM	TASKS COMPLETED:
AAS – ATOMIC ABSORPTION SPECTROMETRY	Relinquished by: (print)	(Sign)	/ /	AM/PM	1.A visual determination of accessible painted surfaces and condition. 2.Collect paint chip samples of suspect surfaces of building components. 3.Quantify the amount of painted surfaces in their respective locations. 6.Submit bulk samples for analysis by AAS 7.Sample locations and suspect materials were identified on the appropriate building floor plan diagram with the sample number (optional). 8. A Chain of Custody record accompanied the samples to the laboratory
XRF – X RAY FLOURESCENT	Received by: (print)	(Sign)	/ /	AM/PM	

FIELD NOTES: Email all lab report to labresults@louisberger.com

LEAD PAINT SURVEY DATA SHEET/ CHAIN OF CUSTODY

PROJECT NO.: 2042892.057
CLIENT: Scarsdale School District
SITE: Greenacres Elementary
Project Manager: M. Johnson

LOCATION(S) SURVEYED : Interior
PROPOSED PROJECT : N/A
DATE(S) OF INSPECTION: 8/29
Inspector(s): Mike Johnson / Nick Casale

LEVEL/ FLOOR	AREA LOCATION	AREA DESCRIPTION	SAMPLE NO.	TESTING COMBINATION: STRUCTURE/ BUILDING COMPONENT	TESTING COMBINATION: SUBSTRATE	SURFACE MATERIAL	SIZE OF SAMPLE	COLOR	QUANTITY SF or LF	RESULTS (mg/cm²) or (PPM)
1	1. Interior 2. Exterior 3.	10-H N.C. Room 10	10U	univent	1. Vinyl Tile 2. (Metal) 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4.	1. 12 ins. x 12 ins. 2. 5.5" x 26"	white		
↓	1. Interior 2. Exterior 3.	↓	10S	window sill	1. Vinyl Tile 2. (Metal) 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4.	1. 12 ins. x 12 ins. 2. 2.5" x 41.5"	tan		
↓	1. Interior 2. Exterior 3.	↓	10W	window well	1. Vinyl Tile 2. (Metal) 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	1. 12 ins. x 12 ins. 2. 2" x 41"	tan		
1	1. Interior 2. Exterior 3.	11-F		Floor	1. (Vinyl Tile) 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	1. (12 ins. x 12 ins.) 2.	White		
↓	1. Interior 2. Exterior 3.	11-H		Hall-Floor	1. Vinyl Tile 2. Metal 3. Concrete 4. terazzo	1. Paint 2. Dust 3. Soil 4	1. (12 ins. x 12 ins.) 2.	tan		
	1. Interior 2. Exterior 3.	Room 11	11-U	univent	1. Vinyl Tile 2. (Metal) 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	1. 12 ins. x 12 ins. 2. 5.5" x 26"	white		
	1. Interior 2. Exterior 3.	↓	11S	Sill	1. Vinyl Tile 2. (Metal) 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	1. 12 ins. x 12 ins. 2. 2.5" x 40.5"	tan		
↓	1. Interior 2. Exterior 3.	↓	11W	Well	1. Vinyl Tile 2. (Metal) 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	1. 12 ins. x 12 ins. 2. 2" x 40"	tan		

Page 3 of 7

PHYSICAL CONDITION ASSESSMENT
Intact - Entire surface is intact
Fair - Less than or equal to 10 square feet
Poor - More than 10 square feet.

A- ASSUMED (NOT SAMPLED)
AAS – ATOMIC ABSORPTION SPECTROMETRY
XRF – X RAY FLOURESCENT

CHAIN OF CUSTODY

Type of Analysis: AAS / XRF
Turnaround Time 6 hrs 12 hrs 24 hrs 48 hrs 72 hrs 5 days

			DATE	TIME
Relinquished by: (print)	N. Casale	(Sign)	8/30/19	1:30 AM/PM
Received by: (print)		(Sign)	/ /	AM/PM
Relinquished by: (print)		(Sign)	/ /	AM/PM
Received by: (print)		(Sign)	/ /	AM/PM

CERT. NO.:
NAME:
SIGNATURE:

TELEPHONE NO. : (212) 612.7900
ADDRESS: 96 Morton Street, 8 Floor, New York, NY 10014
TASKS COMPLETED:
1.A visual determination of accessible painted surfaces and condition.
2.Collect paint chip samples of suspect surfaces of building components.
3.Quantify the amount of painted surfaces in their respective locations.
6.Submit bulk samples for analysis by AAS
7.Sample locations and suspect materials were identified on the appropriate building floor plan diagram with the sample number (optional).
8. A Chain of Custody record accompanied the samples to the laboratory

FIELD NOTES: Email all lab report to labresults@louisberger.com

wsp

LEAD PAINT SURVEY DATA SHEET/ CHAIN OF CUSTODY

MA - Wipes

PROJECT NO.: 2042892.057
CLIENT: Scarsdale School District
SITE: Greenacres Elementary
Project Manager: M. Johnson

LOCATION(S) SURVEYED : Interior
PROPOSED PROJECT : N/A
DATE(S) OF INSPECTION: 8/29
Inspector(s): Mike Johnson / Nick Casale

LEVEL/ FLOOR	AREA LOCATION	AREA DESCRIPTION	SAMPLE NO.	TESTING COMBINATION: STRUCTURE/ BUILDING COMPONENT	TESTING COMBINATION: SUBSTRATE	SURFACE MATERIAL	SIZE OF SAMPLE	COLOR	QUANTITY SF or LF	RESULTS (mg/cm²) or (PPM)
1	1. Interior 2. Exterior 3.	13f		floor	1. Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4.	1. 12 ins. x 12 ins. 2.			
	1. Interior 2. Exterior 3.	13H		floor-hall	1. Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4.	1. 12 ins. x 12 ins. 2.			
	1. Interior 2. Exterior 3.	13W		well	1. Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	1. 12 ins. x 12 ins. 2. 1.5"x41"	tan		
	1. Interior 2. Exterior 3.	13S		sill	1. Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	1. 12 ins. x 12 ins. 2. 2 3/8"x41"	tan		
	1. Interior 2. Exterior 3.	13V		louvent	1. Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	1. 12 ins. x 12 ins. 2. 6"x24"	white		
	1. Interior 2. Exterior 3.	12f		floor	1. Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	1. 12 ins. x 12 ins. 2.			
	1. Interior 2. Exterior 3.	12H		floor Hall	1. Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	1. 12 ins. x 12 ins. 2.			
	1. Interior 2. Exterior 3.	12W		well	1. Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	1. 12 ins. x 12 ins. 2. 1.5"x41"	tan		

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LOUIS BERGER
CARLE PLACE, NY
19 AUG 30 PM 1:41

Page 4 Of 7

PHYSICAL CONDITION ASSESSMENT
Intact - Entire surface is intact
Fair - Less than or equal to 10 square feet
Poor - More than 10 square feet.

A- ASSUMED (NOT SAMPLED)
AAS – ATOMIC ABSORPTION SPECTROMETRY
XRF – X RAY FLOURESCENT

CHAIN OF CUSTODY

Type of Analysis: MA AAS / XRF
Turnaround Time 0 hrs 12 hrs 24 hrs 48 hrs 72 hrs 5 days

			DATE	TIME
Relinquished by: (print)	N. Casale	(Sign)	8/30/19	1:3 AM/PM
Received by: (print)	Maria Arceo	(Sign)	8/30/19	1:41 AM/PM
Relinquished by: (print)		(Sign)	/ /	AM/PM
Received by: (print)		(Sign)	/ /	AM/PM

CERT. NO.:
NAME:
SIGNATURE:

TELEPHONE NO. : (212) 612.7900
ADDRESS: 96 Morton Street, 8 Floor, New York, NY 10014
TASKS COMPLETED:
1.A visual determination of accessible painted surfaces and condition.
2.Collect paint chip samples of suspect surfaces of building components.
3.Quantify the amount of painted surfaces in their respective locations.
6.Submit bulk samples for analysis by AAS
7.Sample locations and suspect materials were identified on the appropriate building floor plan diagram with the sample number (optional).
8. A Chain of Custody record accompanied the samples to the laboratory

FIELD NOTES: Email all lab report to labresults@louisberger.com

0619 20380

Pb - door 8/31/19

LEAD PAINT SURVEY DATA SHEET/ CHAIN OF CUSTODY

- wipes MA

PROJECT NO.: 2042892.057
CLIENT: Scarsdale School District
SITE: Greenacres Elementary
Project Manager: M. Johnson

LOCATION(S) SURVEYED : Interior
PROPOSED PROJECT : N/A
DATE(S) OF INSPECTION: 8/29
Inspector(s): Mike Johnson / Nick Casale

LEVEL/ FLOOR	AREA LOCATION	AREA DESCRIPTION	SAMPLE NO.	TESTING COMBINATION: STRUCTURE/ BUILDING COMPONENT	TESTING COMBINATION: SUBSTRATE	SURFACE MATERIAL	SIZE OF SAMPLE	COLOR	QUANTITY SF or LF	RESULTS (mg/cm²) or (PPM)
	1 Interior 2. Exterior 3.	12S		Sill	1. Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4.	1. 12 ins. x 12 ins. 2. 2 3/8" x 41"	tan		
	1 Interior 2. Exterior 3.	12U		Univent	1. Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4.	1. 12 ins. x 12 ins. 2. 6" x 24"	white		
	1 Interior 2. Exterior 3.	10A-F		floor	1. Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	1. ~~12 ins. x 12 ins.~~ 2.			
	1 Interior 2. Exterior 3.	10A-H		Hall floor	1. Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	1. ~~12 ins. x 12 ins.~~ 2.	tan		
	1 Interior 2. Exterior 3.	10A-W		Well	1. Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	1. 12 ins. x 12 ins. 2. 1.5" x 43.25"	tan		
	1 Interior 2. Exterior 3.	10A-S		Sill	1. Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	1. 12 ins. x 12 ins. 2. 2" x 43.25"	tan		
	1 Interior 2. Exterior 3.	10A-U		Univent	1. Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	1. 12 ins. x 12 ins. 2. 6" x 24"	white		
	1 Interior 2. Exterior 3.	10F		Floor	1. Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	1. 12 ins. x 12 ins. 2.	white		

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Page 5 of 7

PHYSICAL CONDITION ASSESSMENT	CHAIN OF CUSTODY				CERT. NO.:
Intact - Entire surface is intact Fair - Less than or equal to 10 square feet Poor - More than 10 square feet.	Type of Analysis: MA AAS / XRF Turnaround Time 6 hrs 12 hrs 24 hrs 48 hrs 72 hrs 5 days		DATE	TIME	NAME: SIGNATURE:
A- ASSUMED (NOT SAMPLED)	Relinquished by: (print) N. Casale	(Sign)	8/30/19	1:36 AM/PM	TELEPHONE NO. : (212) 612 7900 ADDRESS: 96 Morton Street, 8 Floor, New York, NY 10014
	Received by: (print) MARIA ARCO	(Sign)	8/30/19	1:41 AM/PM	TASKS COMPLETED: 1.A visual determination of accessible painted surfaces and condition. 2.Collect paint chip samples of suspect surfaces of building components. 3.Quantify the amount of painted surfaces in their respective locations. 6.Submit bulk samples for analysis by AAS 7.Sample locations and suspect materials were identified on the appropriate building floor plan diagram with the sample number (optional). 8. A Chain of Custody record accompanied the samples to the laboratory
AAS – ATOMIC ABSORPTION SPECTROMETRY	Relinquished by: (print)	(Sign)	/ /	AM/PM	
XRF – X RAY FLOURESCENT	Received by: (print)	(Sign)	/ /	AM/PM	

FIELD NOTES: Email all lab report to labresults@louisberger.com

061920380

NB - 8/31/19

LEAD PAINT SURVEY DATA SHEET/ CHAIN OF CUSTODY

-wipes MA

OrderID: 0619020380

PROJECT NO.: 2042892.057
CLIENT: Scarsdale School District
SITE: Greenacres Elementary
Project Manager: M. Johnson

LOCATION(S) SURVEYED : Interior
PROPOSED PROJECT : N/A
DATE(S) OF INSPECTION: 8/29
Inspector(s): Mike Johnson / Nick Casale

LEVEL/ FLOOR	AREA LOCATION	AREA DESCRIPTION	SAMPLE NO.	TESTING COMBINATION: STRUCTURE/ BUILDING COMPONENT	TESTING COMBINATION: SUBSTRATE	SURFACE MATERIAL	SIZE OF SAMPLE	COLOR	QUANTITY SF or LF	RESULTS (mg/cm²) or (PPM)
1	1. Interior 2. Exterior 3.	10-H-N.C. Room 10	10U	Univent	1. Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4.	1. 12 ins. x 12 ins. 2. 5.5"x26"	white		
↓	1. Interior 2. Exterior 3.	↓	10S	window sill	1. Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4.	1. 12 ins. x 12 ins. 2. 2.5"x41.5"	tan		
↓	1. Interior 2. Exterior 3.	↓	10W	window well	1. Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	1. 12 ins. x 12 ins. 2. 2"x41"	tan		
1	1. Interior 2. Exterior 3.	11-F		Floor	1. Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	1. 12 ins. x 12 ins. 2.	White		
↓	1. Interior 2. Exterior 3.	11-H		Hall-Floor	1. Vinyl Tile 2. Metal 3. Concrete 4. terazzo	1. Paint 2. Dust 3. Soil 4	1. 12 ins. x 12 ins. 2.	tan		
↓	1. Interior 2. Exterior 3.	Room 11	11-U	Univent	1. Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	1. 12 ins. x 12 ins. 2. 5.5"x26"	white		
↓	1. Interior 2. Exterior 3.	↓	11S	Sill	1. Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	1. 12 ins. x 12 ins. 2. 2.5"x40.5"	tan		
↓	1. Interior 2. Exterior 3.	↓	11W	Well	1. Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	1. 12 ins. x 12 ins. 2. 2"x40"	tan		

Page 6 of 7

PHYSICAL CONDITION ASSESSMENT
Intact - Entire surface is intact Fair - Less than or equal to 10 square feet Poor - More than 10 square feet.
A- ASSUMED (NOT SAMPLED)
AAS – ATOMIC ABSORPTION SPECTROMETRY
XRF – X RAY FLOURESCENT

CHAIN OF CUSTODY

Type of Analysis: WIPE AAS / XRF
Turnaround Time 5 hrs 12 hrs 24 hrs 48 hrs 72 hrs 5 days

			DATE	TIME
Relinquished by: (print)	N. Casale	(Sign)	8/30/19	1:36 AM/PM
Received by: (print)	MARIA ARCO	(Sign)	8/30/19	1:41 AM/PM
Relinquished by: (print)		(Sign)	/ /	AM/PM
Received by: (print)		(Sign)	/ /	AM/PM

CERT. NO.:
NAME:
SIGNATURE:

TELEPHONE NO. : (212) 612.7900
ADDRESS: 96 Morton Street, 8 Floor, New York, NY 10014

TASKS COMPLETED:
1. A visual determination of accessible painted surfaces and condition.
2. Collect paint chip samples of suspect surfaces of building components.
3. Quantify the amount of painted surfaces in their respective locations.
6. Submit bulk samples for analysis by AAS
7. Sample locations and suspect materials were identified on the appropriate building floor plan diagram with the sample number (optional).
8. A Chain of Custody record accompanied the samples to the laboratory

FIELD NOTES: Email all lab report to labresults@louisberger.com

0619020380

PD - 8/31/19

Received by Maria Arco 8/30 PM 1:41

wsp

LEAD PAINT SURVEY DATA SHEET/ CHAIN OF CUSTODY

- Wipes MA.

PROJECT NO.: 2042892.057
CLIENT: Scarsdale School District
SITE: Greenacres Elementary
Project Manager: M. Johnson

LOCATION(S) SURVEYED : Interior
PROPOSED PROJECT : N/A
DATE(S) OF INSPECTION: 8/29
Inspector(s): Mike Johnson / Nick Casale

LEVEL/ FLOOR	AREA LOCATION	AREA DESCRIPTION	SAMPLE NO.	TESTING COMBINATION: STRUCTURE/ BUILDING COMPONENT	TESTING COMBINATION: SUBSTRATE	SURFACE MATERIAL	SIZE OF SAMPLE	COLOR	QUANTITY SF or LF	RESULTS (mg/cm²) or (PPM)
1	1. Interior 2. Exterior 3.	9S		Floor	1. Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4.	1. 12 ins. x 12 ins. 2.	white		
	1. Interior 2. Exterior 3.	9H		Hall-Floor	1. Vinyl Tile 2. Metal 3. Concrete 4. Terrazzo	1. Paint 2. Dust 3. Soil 4.	1. 12 ins. x 12 ins. 2.	tan		
	1. Interior 2. Exterior 3.	Room 9	9U	univent	1. Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	1. 12 ins. x 12 ins. 2. 5.5" x 26"	white		
	1. Interior 2. Exterior 3.	↓	9S	window sill	1. Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	1. 12 ins. x 12 ins. 2. 2.5" x 42"	tan		
	1. Interior 2. Exterior 3.	↓	9W	window well	1. Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	1. 12 ins. x 12 ins. 2. 2" x 41.5"	tan		
	1. Interior 2. Exterior 3.	~~8F~~ N.C Blank	B1		1. Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	1. 12 ins. x 12 ins. 2.			
	1. Interior 2. Exterior 3.	~~8H~~ N.C Blank	B2		1. Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	1. 12 ins. x 12 ins. 2.			
	1. Interior 2. Exterior 3.				1. Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	1. 12 ins. x 12 ins. 2.			

Page 7 of 7

RECEIVED EPSL ANALYTICAL LAB 2 CARLL PLACE, NY AUG 30 PM 1:41

PHYSICAL CONDITION ASSESSMENT
Intact - Entire surface is intact Fair - Less than or equal to 10 square feet Poor - More than 10 square feet.
A- ASSUMED (NOT SAMPLED)
AAS – ATOMIC ABSORPTION SPECTROMETRY
XRF – X RAY FLOURESCENT

CHAIN OF CUSTODY

Type of Analysis: AAS / XRF
Turnaround Time 6 hrs 12 hrs 24 hrs 48 hrs 72 hrs 5 days

			DATE	TIME
Relinquished by: (print) N. Casale	(Sign)		8/30/19	1:36 AM/PM
Received by: (print) MARIA ALCOA	(Sign)		8/30/19	1:41 AM/PM
Relinquished by: (print)	(Sign)		/ /	AM/PM
Received by: (print)	(Sign)		/ /	AM/PM

CERT. NO.:
NAME:
SIGNATURE:

TELEPHONE NO. : (212) 612.7900
ADDRESS: 96 Morton Street, 8 Floor, New York, NY 10014
TASKS COMPLETED:
1.A visual determination of accessible painted surfaces and condition.
2.Collect paint chip samples of suspect surfaces of building components.
3.Quantify the amount of painted surfaces in their respective locations.
6 Submit bulk samples for analysis by AAS
7.Sample locations and suspect materials were identified on the appropriate building floor plan diagram with the sample number (optional).
8. A Chain of Custody record accompanied the samples to the laboratory

FIELD NOTES: Email all lab report to labresults@louisberger.com

061920380

PD- 8/31/19

LEAD PAINT SURVEY DATA SHEET/ CHAIN OF CUSTODY

PROJECT NO.: 2042892.057
CLIENT: Scarsdale School District
SITE: Greenacres Elementary
Project Manager: M. Johnson

LOCATION(S) SURVEYED : Interior
PROPOSED PROJECT : N/A
DATE(S) OF INSPECTION: 8/29
Inspector(s): Mike Johnson / Nick Casale

LEVEL/ FLOOR	AREA LOCATION	AREA DESCRIPTION	SAMPLE NO.	TESTING COMBINATION: STRUCTURE/ BUILDING COMPONENT	TESTING COMBINATION: SUBSTRATE	SURFACE MATERIAL	SIZE OF SAMPLE	COLOR	QUANTITY SF or LF	RESULTS (mg/cm²) or (PPM)
1	1. Interior 2. Exterior 3.	13f		floor	(1) Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4.	(1) 12 ins. x 12 ins. 2.			
	1. Interior 2. Exterior 3.	13H		floor-hall	(1) Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4.	(1) 12 ins. x 12 ins. 2.			
	1. Interior 2. Exterior 3.	13W		well	1. Vinyl Tile (2) Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	1. 12 ins. x 12 ins. 2. 1.5"x41"	tan		
	1. Interior 2. Exterior 3.	13S		sill	1. Vinyl Tile (2) Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	1. 12 ins. x 12 ins. 2. 2 3/8"x41"	tan		
	1. Interior 2. Exterior 3.	13U		louvent	1. Vinyl Tile (2) Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	1. 12 ins. x 12 ins. 2. 6"x24"	White		
	1. Interior 2. Exterior 3.	12f		floor	(1) Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	(1) 12 ins. x 12 ins. 2.			
	1. Interior 2. Exterior 3.	12H		floor Hall	1. Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	1. 12 ins. x 12 ins. 2.			
	1. Interior 2. Exterior 3.	12W		Well	1. Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	1. 12 ins. x 12 ins. 2. 1.5"x41"	tan		

RECEIVED LEAD ANALYTICAL, INC. CARLE PLACE, NY
19 AUG 30 PM 1:41

Page 1 Of 7

PHYSICAL CONDITION ASSESSMENT

Intact - Entire surface is intact
Fair - Less than or equal to 10 square feet
Poor - More than 10 square feet.

A- ASSUMED (NOT SAMPLED)

AAS – ATOMIC ABSORPTION SPECTROMETRY

XRF – X RAY FLOURESCENT

CHAIN OF CUSTODY

Type of Analysis: AAS / XRF
Turnaround Time 6 hrs 12 hrs 24 hrs 48 hrs 72 hrs 5 days

			DATE	TIME
Relinquished by: (print) N. Casale	(Sign)		8/30/19	1:30 AM/PM
Received by: (print)	(Sign)		/ /	AM/PM
Relinquished by. (print)	(Sign)		/ /	AM/PM
Received by: (print)	(Sign)		/ /	AM/PM

CERT. NO.:
NAME:
SIGNATURE:

TELEPHONE NO. : (212) 612.7900
ADDRESS: 96 Morton Street, 8 Floor, New York, NY 10014

TASKS COMPLETED:
1.A visual determination of accessible painted surfaces and condition.
2 Collect paint chip samples of suspect surfaces of building components.
3.Quantify the amount of painted surfaces in their respective locations.
6.Submit bulk samples for analysis by AAS
7.Sample locations and suspect materials were identified on the appropriate building floor plan diagram with the sample number (optional).
8. A Chain of Custody record accompanied the samples to the laboratory

FIELD NOTES: Email all lab report to labresults@louisberger.com

LEAD PAINT SURVEY DATA SHEET/ CHAIN OF CUSTODY

PROJECT NO.: 2042892.057
CLIENT: Scarsdale School District
SITE: Greenacres Elementary
Project Manager: M. Johnson

LOCATION(S) SURVEYED : Interior
PROPOSED PROJECT : N/A
DATE(S) OF INSPECTION: 8/29
Inspector(s): Mike Johnson / Nick Casale

LEVEL/ FLOOR	AREA LOCATION	AREA DESCRIPTION	SAMPLE NO.	TESTING COMBINATION: STRUCTURE/ BUILDING COMPONENT	TESTING COMBINATION: SUBSTRATE	SURFACE MATERIAL	SIZE OF SAMPLE	COLOR	QUANTITY SF or LF	RESULTS (mg/cm²) or (PPM)
	1. Interior 2. Exterior 3.	12S		Sill	1. Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4.	1. 12 ins. x 12 ins. 2. 2 3/8" x 41"	tan		
	1. Interior 2. Exterior 3.	12U		Univent	1. Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4.	1. 12 ins. x 12 ins. 2. 6" x 24"	white		
	1. Interior 2. Exterior 3.	10A-F		floor	(1). Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	1. ~~12 ins. x 12 ins.~~ 2.			
	1. Interior 2. Exterior 3.	10A-H		Hall floor	(1) Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	1. ~~12 ins. x 12 ins.~~ 2.	tan		
	1. Interior 2. Exterior 3.	10A-W		Well	1. Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	1. 12 ins. x 12 ins. 2. 1.5" x 43.25"	tan		
	1. Interior 2. Exterior 3.	10A-S		Sill	1. Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	1. 12 ins. x 12 ins. 2. 2" x 43.25"	tan		
	1. Interior 2. Exterior 3.	10A-U		Univent	1. Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	1. 12 ins. x 12 ins. 2. 6" x 24"	white		
	1. Interior 2. Exterior 3.	10F		Floor	(1) Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	(1) 12 ins. x 12 ins. 2.	white		

RECEIVED BY ANALYTICAL LABORATORIES, INC. 19 AUG 30 PM 1:41

PHYSICAL CONDITION ASSESSMENT	CHAIN OF CUSTODY				CERT. NO.:
Intact - Entire surface is intact Fair - Less than or equal to 10 square feet Poor - More than 10 square feet.	Type of Analysis: AAS / XRF Turnaround Time 6 hrs 12 hrs 24 hrs 48 hrs 72 hrs 5 days		DATE	TIME	NAME: SIGNATURE:
A- ASSUMED (NOT SAMPLED)	Relinquished by: (print) N. Casale	(Sign)	8/30/19	1:36 AM/PM	TELEPHONE NO. : (212) 612.7900 ADDRESS: 96 Morton Street, 8 Floor, New York, NY 10014
	Received by: (print)	(Sign)	/ /	AM/PM	TASKS COMPLETED:
AAS – ATOMIC ABSORPTION SPECTROMETRY	Relinquished by: (print)	(Sign)	/ /	AM/PM	1.A visual determination of accessible painted surfaces and condition. 2.Collect paint chip samples of suspect surfaces of building components. 3.Quantify the amount of painted surfaces in their respective locations. 6.Submit bulk samples for analysis by AAS 7.Sample locations and suspect materials were identified on the appropriate building floor plan diagram with the sample number (optional). 8. A Chain of Custody record accompanied the samples to the laboratory
XRF – X RAY FLOURESCENT	Received by: (print)	(Sign)	/ /	AM/PM	

FIELD NOTES: Email all lab report to labresults@louisberger.com

LEAD PAINT SURVEY DATA SHEET/ CHAIN OF CUSTODY

PROJECT NO.: 2042892.057
CLIENT: Scarsdale School District
SITE: Greenacres Elementary
Project Manager: M. Johnson

LOCATION(S) SURVEYED : Interior
PROPOSED PROJECT : N/A
DATE(S) OF INSPECTION: 8/29
Inspector(s): Mike Johnson / Nick Casale

LEVEL/ FLOOR	AREA LOCATION	AREA DESCRIPTION	SAMPLE NO.	TESTING COMBINATION: STRUCTURE/ BUILDING COMPONENT	TESTING COMBINATION: SUBSTRATE	SURFACE MATERIAL	SIZE OF SAMPLE	COLOR	QUANTITY SF or LF	RESULTS (mg/cm²) or (PPM)
1	1. Interior 2. Exterior 3.	10-H N.C. Room 10	10U	univent	1. Vinyl Tile 2. (Metal) 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4.	1. 12 ins. x 12 ins. 2. 5.5" x 26"	white		
↓	1. Interior 2. Exterior 3.	↓	10S	window sill	1. Vinyl Tile 2. (Metal) 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4.	1. 12 ins. x 12 ins. 2. 2.5" x 41.5"	tan		
↓	1. Interior 2. Exterior 3.	↓	10W	window well	1. Vinyl Tile 2. (Metal) 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	1. 12 ins. x 12 ins. 2. 2" x 41"	tan		
1	1. Interior 2. Exterior 3.	11-F		Floor	1. (Vinyl Tile) 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	1. (12 ins. x 12 ins.) 2.	White		
↓	1. Interior 2. Exterior 3.	11-H		Hall-Floor	1. Vinyl Tile 2. Metal 3. Concrete 4. terazzo	1. Paint 2. Dust 3. Soil 4	1. (12 ins. x 12 ins.) 2.	tan		
	1. Interior 2. Exterior 3.	Room 11	11-U	univent	1. Vinyl Tile 2. (Metal) 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	1. 12 ins. x 12 ins. 2. 5.5" x 26"	white		
	1. Interior 2. Exterior 3.	↓	11S	Sill	1. Vinyl Tile 2. (Metal) 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	1. 12 ins. x 12 ins. 2. 2.5" x 40.5"	tan		
↓	1. Interior 2. Exterior 3.	↓	11W	Well	1. Vinyl Tile 2. (Metal) 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	1. 12 ins. x 12 ins. 2. 2" x 40"	tan		

Page 3 of 7

PHYSICAL CONDITION ASSESSMENT
Intact - Entire surface is intact
Fair - Less than or equal to 10 square feet
Poor - More than 10 square feet.

A- ASSUMED (NOT SAMPLED)
AAS – ATOMIC ABSORPTION SPECTROMETRY
XRF – X RAY FLOURESCENT

CHAIN OF CUSTODY

Type of Analysis: AAS / XRF
Turnaround Time 6 hrs 12 hrs 24 hrs 48 hrs 72 hrs 5 days

			DATE	TIME
Relinquished by: (print)	N. Casale	(Sign)	8/30/19	1:30 AM/PM
Received by: (print)		(Sign)	/ /	AM/PM
Relinquished by: (print)		(Sign)	/ /	AM/PM
Received by: (print)		(Sign)	/ /	AM/PM

CERT. NO.:
NAME:
SIGNATURE:

TELEPHONE NO. : (212) 612.7900
ADDRESS: 96 Morton Street, 8 Floor, New York, NY 10014
TASKS COMPLETED:
1.A visual determination of accessible painted surfaces and condition.
2.Collect paint chip samples of suspect surfaces of building components.
3.Quantify the amount of painted surfaces in their respective locations.
6.Submit bulk samples for analysis by AAS
7.Sample locations and suspect materials were identified on the appropriate building floor plan diagram with the sample number (optional).
8. A Chain of Custody record accompanied the samples to the laboratory

FIELD NOTES: Email all lab report to labresults@louisberger.com

wsp

LEAD PAINT SURVEY DATA SHEET/ CHAIN OF CUSTODY

MA - Wipes

PROJECT NO.: 2042892.057
CLIENT: Scarsdale School District
SITE: Greenacres Elementary
Project Manager: M. Johnson

LOCATION(S) SURVEYED : Interior
PROPOSED PROJECT : N/A
DATE(S) OF INSPECTION: 8/29
Inspector(s): Mike Johnson / Nick Casale

LEVEL/ FLOOR	AREA LOCATION	AREA DESCRIPTION	SAMPLE NO.	TESTING COMBINATION: STRUCTURE/ BUILDING COMPONENT	TESTING COMBINATION: SUBSTRATE	SURFACE MATERIAL	SIZE OF SAMPLE	COLOR	QUANTITY SF or LF	RESULTS (mg/cm²) or (PPM)
1	1. Interior 2. Exterior 3.	13f		floor	1. Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4.	1. 12 ins. x 12 ins. 2.			
	1. Interior 2. Exterior 3.	13H		floor-hall	1. Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4.	1. 12 ins. x 12 ins. 2.			
	1. Interior 2. Exterior 3.	13W		well	1. Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	1. 12 ins. x 12 ins. 2. 1.5"x41"	tan		
	1. Interior 2. Exterior 3.	13S		sill	1. Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	1. 12 ins. x 12 ins. 2. 2 3/8"x41"	tan		
	1. Interior 2. Exterior 3.	13V		louvent	1. Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	1. 12 ins. x 12 ins. 2. 6"x24"	white		
	1. Interior 2. Exterior 3.	12f		floor	1. Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	1. 12 ins. x 12 ins. 2.			
	1. Interior 2. Exterior 3.	12H		floor Hall	1. Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	1. 12 ins. x 12 ins. 2.			
	1. Interior 2. Exterior 3.	12W		well	1. Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	1. 12 ins. x 12 ins. 2. 1.5"x41"	tan		

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CARLE PLACE, NY
19 AUG 30 PM 1:41

Page 4 Of 7

PHYSICAL CONDITION ASSESSMENT
Intact - Entire surface is intact
Fair - Less than or equal to 10 square feet
Poor - More than 10 square feet.

A- ASSUMED (NOT SAMPLED)
AAS – ATOMIC ABSORPTION SPECTROMETRY
XRF – X RAY FLOURESCENT

CHAIN OF CUSTODY

Type of Analysis: MA AAS / XRF
Turnaround Time 0 hrs 12 hrs 24 hrs 48 hrs 72 hrs 5 days

			DATE	TIME
Relinquished by: (print)	N. Casale	(Sign)	8/30/19	1:3 AM/PM
Received by: (print)	Maria Arceo	(Sign)	8/30/19	1:41 AM/PM
Relinquished by: (print)		(Sign)	/ /	AM/PM
Received by: (print)		(Sign)	/ /	AM/PM

CERT. NO.:
NAME:
SIGNATURE:

TELEPHONE NO. : (212) 612.7900
ADDRESS: 96 Morton Street, 8 Floor, New York, NY 10014
TASKS COMPLETED:
1.A visual determination of accessible painted surfaces and condition.
2.Collect paint chip samples of suspect surfaces of building components.
3.Quantify the amount of painted surfaces in their respective locations.
6.Submit bulk samples for analysis by AAS
7.Sample locations and suspect materials were identified on the appropriate building floor plan diagram with the sample number (optional).
8. A Chain of Custody record accompanied the samples to the laboratory

FIELD NOTES: Email all lab report to labresults@louisberger.com

0619 20380

Pb - door 8/31/19

LEAD PAINT SURVEY DATA SHEET/ CHAIN OF CUSTODY

- wipes MA

PROJECT NO.: 2042892.057
CLIENT: Scarsdale School District
SITE: Greenacres Elementary
Project Manager: M. Johnson

LOCATION(S) SURVEYED : Interior
PROPOSED PROJECT : N/A
DATE(S) OF INSPECTION: 8/29
Inspector(s): Mike Johnson / Nick Casale

LEVEL/ FLOOR	AREA LOCATION	AREA DESCRIPTION	SAMPLE NO.	TESTING COMBINATION: STRUCTURE/ BUILDING COMPONENT	TESTING COMBINATION: SUBSTRATE	SURFACE MATERIAL	SIZE OF SAMPLE	COLOR	QUANTITY SF or LF	RESULTS (mg/cm²) or (PPM)
	1 Interior 2. Exterior 3.	12S		Sill	1. Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4.	1. 12 ins. x 12 ins. 2. 2 3/8" x 41"	tan		
	1 Interior 2. Exterior 3.	12U		Univent	1. Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4.	1. 12 ins. x 12 ins. 2. 6" x 24"	white		
	1 Interior 2. Exterior 3.	10A-F		floor	1. Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	1. ~~12 ins. x 12 ins.~~ 2.			
	1 Interior 2. Exterior 3.	10A-H		Hall floor	1. Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	1. ~~12 ins. x 12 ins.~~ 2.	tan		
	1 Interior 2. Exterior 3.	10A-W		Well	1. Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	1. 12 ins. x 12 ins. 2. 1.5" x 43.25"	tan		
	1 Interior 2. Exterior 3.	10A-S		Sill	1. Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	1. 12 ins. x 12 ins. 2. 2" x 43.25"	tan		
	1 Interior 2. Exterior 3.	10A-U		Univent	1. Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	1. 12 ins. x 12 ins. 2. 6" x 24"	white		
	1 Interior 2. Exterior 3.	10F		Floor	1. Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	1. 12 ins. x 12 ins. 2.	white		

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Page 5 of 7

PHYSICAL CONDITION ASSESSMENT	CHAIN OF CUSTODY				CERT. NO.:
Intact - Entire surface is intact Fair - Less than or equal to 10 square feet Poor - More than 10 square feet.	Type of Analysis: MA AAS / XRF Turnaround Time 6 hrs 12 hrs 24 hrs 48 hrs 72 hrs 5 days		DATE	TIME	NAME: SIGNATURE:
A- ASSUMED (NOT SAMPLED)	Relinquished by: (print) N. Casale	(Sign)	8/30/19	1:36 AM/PM	TELEPHONE NO. : (212) 612 7900 ADDRESS: 96 Morton Street, 8 Floor, New York, NY 10014
	Received by: (print) MARIA ARCO	(Sign)	8/30/19	1:41 AM/PM	TASKS COMPLETED: 1.A visual determination of accessible painted surfaces and condition. 2.Collect paint chip samples of suspect surfaces of building components. 3.Quantify the amount of painted surfaces in their respective locations. 6.Submit bulk samples for analysis by AAS 7.Sample locations and suspect materials were identified on the appropriate building floor plan diagram with the sample number (optional). 8. A Chain of Custody record accompanied the samples to the laboratory
AAS – ATOMIC ABSORPTION SPECTROMETRY	Relinquished by: (print)	(Sign)	/ /	AM/PM	
XRF – X RAY FLOURESCENT	Received by: (print)	(Sign)	/ /	AM/PM	

FIELD NOTES: Email all lab report to labresults@louisberger.com

061920380

NB - 8/31/19

LEAD PAINT SURVEY DATA SHEET/ CHAIN OF CUSTODY

-wipes MA

OrderID: 0619020380

PROJECT NO.: 2042892.057
CLIENT: Scarsdale School District
SITE: Greenacres Elementary
Project Manager: M. Johnson

LOCATION(S) SURVEYED : Interior
PROPOSED PROJECT : N/A
DATE(S) OF INSPECTION: 8/29
Inspector(s): Mike Johnson / Nick Casale

LEVEL/ FLOOR	AREA LOCATION	AREA DESCRIPTION	SAMPLE NO.	TESTING COMBINATION: STRUCTURE/ BUILDING COMPONENT	TESTING COMBINATION: SUBSTRATE	SURFACE MATERIAL	SIZE OF SAMPLE	COLOR	QUANTITY SF or LF	RESULTS (mg/cm²) or (PPM)
1	1. Interior 2. Exterior 3.	10-H-N.C. Room 10	10U	Univent	1. Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4.	1. 12 ins. x 12 ins. 2. 5.5"x26"	white		
↓	1. Interior 2. Exterior 3.	↓	10S	window sill	1. Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4.	1. 12 ins. x 12 ins. 2. 2.5"x41.5"	tan		
↓	1. Interior 2. Exterior 3.	↓	10W	window well	1. Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	1. 12 ins. x 12 ins. 2. 2"x41"	tan		
1	1. Interior 2. Exterior 3.	11-F		Floor	1. Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	1. 12 ins. x 12 ins. 2.	White		
↓	1. Interior 2. Exterior 3.	11-H		Hall-Floor	1. Vinyl Tile 2. Metal 3. Concrete 4. terazzo	1. Paint 2. Dust 3. Soil 4	1. 12 ins. x 12 ins. 2.	tan		
↓	1. Interior 2. Exterior 3.	Room 11	11-U	Univent	1. Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	1. 12 ins. x 12 ins. 2. 5.5"x26"	white		
↓	1. Interior 2. Exterior 3.	↓	11S	Sill	1. Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	1. 12 ins. x 12 ins. 2. 2.5"x40.5"	tan		
↓	1. Interior 2. Exterior 3.	↓	11W	Well	1. Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	1. 12 ins. x 12 ins. 2. 2"x40"	tan		

Page 6 of 7

PHYSICAL CONDITION ASSESSMENT
Intact - Entire surface is intact Fair - Less than or equal to 10 square feet Poor - More than 10 square feet.
A- ASSUMED (NOT SAMPLED)
AAS – ATOMIC ABSORPTION SPECTROMETRY
XRF – X RAY FLOURESCENT

CHAIN OF CUSTODY

Type of Analysis: WIPE AAS / XRF
Turnaround Time 5 hrs 12 hrs 24 hrs 48 hrs 72 hrs 5 days

			DATE	TIME
Relinquished by: (print)	N. Casale	(Sign)	8/30/19	1:36 AM/PM
Received by: (print)	MARIA ARCO	(Sign)	8/30/19	1:41 AM/PM
Relinquished by: (print)		(Sign)	/ /	AM/PM
Received by: (print)		(Sign)	/ /	AM/PM

CERT. NO.:
NAME:
SIGNATURE:

TELEPHONE NO. : (212) 612.7900
ADDRESS: 96 Morton Street, 8 Floor, New York, NY 10014

TASKS COMPLETED:
1. A visual determination of accessible painted surfaces and condition.
2. Collect paint chip samples of suspect surfaces of building components.
3. Quantify the amount of painted surfaces in their respective locations.
6. Submit bulk samples for analysis by AAS
7. Sample locations and suspect materials were identified on the appropriate building floor plan diagram with the sample number (optional).
8. A Chain of Custody record accompanied the samples to the laboratory

FIELD NOTES: Email all lab report to labresults@louisberger.com

0619020380

PD - 8/31/19

Received by Maria Arco 8/30 PM 1:41

wsp

LEAD PAINT SURVEY DATA SHEET/ CHAIN OF CUSTODY

- Wipes MA.

PROJECT NO.: 2042892.057
CLIENT: Scarsdale School District
SITE: Greenacres Elementary
Project Manager: M. Johnson

LOCATION(S) SURVEYED : Interior
PROPOSED PROJECT : N/A
DATE(S) OF INSPECTION: 8/29
Inspector(s): Mike Johnson / Nick Casale

LEVEL/ FLOOR	AREA LOCATION	AREA DESCRIPTION	SAMPLE NO.	TESTING COMBINATION: STRUCTURE/ BUILDING COMPONENT	TESTING COMBINATION: SUBSTRATE	SURFACE MATERIAL	SIZE OF SAMPLE	COLOR	QUANTITY SF or LF	RESULTS (mg/cm²) or (PPM)
1	1. Interior 2. Exterior 3.	9S		Floor	1. Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4.	1. 12 ins. x 12 ins. 2.	white		
	1. Interior 2. Exterior 3.	9H		Hall-Floor	1. Vinyl Tile 2. Metal 3. Concrete 4. Terrazzo	1. Paint 2. Dust 3. Soil 4.	1. 12 ins. x 12 ins. 2.	tan		
	1. Interior 2. Exterior 3.	Room 9	9U	univent	1. Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	1. 12 ins. x 12 ins. 2. 5.5" x 26"	white		
	1. Interior 2. Exterior 3.	↓	9S	window sill	1. Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	1. 12 ins. x 12 ins. 2. 2.5" x 42"	tan		
	1. Interior 2. Exterior 3.	↓	9W	window well	1. Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	1. 12 ins. x 12 ins. 2. 2" x 41.5"	tan		
	1. Interior 2. Exterior 3.	~~8F~~ N.C Blank	B1		1. Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	1. 12 ins. x 12 ins. 2.			
	1. Interior 2. Exterior 3.	~~8H~~ N.C Blank	B2		1. Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	1. 12 ins. x 12 ins. 2.			
	1. Interior 2. Exterior 3.				1. Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	1. 12 ins. x 12 ins. 2.			

Page 7 of 7

RECEIVED EPSL ANALYTICAL LAB 2 CARLL PLACE, NY AUG 30 PM 1:41

PHYSICAL CONDITION ASSESSMENT
Intact - Entire surface is intact Fair - Less than or equal to 10 square feet Poor - More than 10 square feet.
A- ASSUMED (NOT SAMPLED)
AAS – ATOMIC ABSORPTION SPECTROMETRY
XRF – X RAY FLOURESCENT

CHAIN OF CUSTODY

Type of Analysis: AAS / XRF
Turnaround Time 6 hrs 12 hrs 24 hrs 48 hrs 72 hrs 5 days

			DATE	TIME
Relinquished by: (print) N. Casale	(Sign)		8/30/19	1:36 AM/PM
Received by: (print) MARIA ALCOA	(Sign)		8/30/19	1:41 AM/PM
Relinquished by: (print)	(Sign)		/ /	AM/PM
Received by: (print)	(Sign)		/ /	AM/PM

CERT. NO.:
NAME:
SIGNATURE:

TELEPHONE NO. : (212) 612.7900
ADDRESS: 96 Morton Street, 8 Floor, New York, NY 10014
TASKS COMPLETED:
1.A visual determination of accessible painted surfaces and condition.
2.Collect paint chip samples of suspect surfaces of building components.
3.Quantify the amount of painted surfaces in their respective locations.
6 Submit bulk samples for analysis by AAS
7.Sample locations and suspect materials were identified on the appropriate building floor plan diagram with the sample number (optional).
8. A Chain of Custody record accompanied the samples to the laboratory

FIELD NOTES: Email all lab report to labresults@louisberger.com

061920380

PD- 8/31/19

WSP / Louis Berger

LEAD PAINT SURVEY DATA SHEET/ CHAIN OF CUSTODY

PAGE 1 OF 1

PROJECT NO.: 2042892.057
CLIENT: Scarsdale School District
SITE: Greenacres Elementary
Project Manager: M. Johnson

LOCATION(S) SURVEYED : Interior
PROPOSED PROJECT : N/A
DATE(S) OF INSPECTION: 8/30
Inspector(s): Mike Johnson / Drew Cheskin

061920468

LEVEL/ FLOOR	AREA LOCATION	AREA DESCRIPTION	SAMPLE NO.	TESTING COMBINATION: STRUCTURE/ BUILDING COMPONENT	TESTING COMBINATION: SUBSTRATE	SURFACE MATERIAL	SIZE OF SAMPLE	COLOR	QUANTITY SF or LF	RESULTS (mg/cm²) or (PPM)
1	1. Interior 2. Exterior 3.	Room 4 - Hallway	4H-B	Floor	1. Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4.	1. 12 ins. x 12 ins. 2.		1 SF/ 144 Sq In.	
1	1. Interior 2. Exterior 3.	Room 7 - Hallway	7H-B	Floor	1. Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4.	1. 12 ins. x 12 ins. 2.		1 SF/ 144 Sq In.	
	1. Interior 2. Exterior 3.	Blank	—	—	1. Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	1. 12 ins. x 12 ins 2.	—	—	—
	1. Interior 2. Exterior 3.	Blank	—	—	1. Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	1. 12 ins. x 12 ins. 2.	—	—	—
	1. Interior 2. Exterior 3.				1. Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	1. 12 ins x 12 ins. 2.			
	1. Interior 2. Exterior 3.				1. Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	1. 12 ins. x 12 ins 2.			
	1. Interior 2. Exterior 3.				1 Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	1. 12 ins. x 12 ins. 2.			
	1. Interior 2. Exterior 3.				1. Vinyl Tile 2. Metal 3. Concrete 4.	1. Paint 2. Dust 3. Soil 4	1. 12 ins. x 12 ins. 2.			

RECEIVED
EMSL ANALYTICAL, INC.
CARLE PLACE, NY
19 AUG 31 PM 1:10

Page 1 Of 1

PHYSICAL CONDITION ASSESSMENT
Intact - Entire surface is intact
Fair - Less than or equal to 10 square feet
Poor - More than 10 square feet.

A- ASSUMED (NOT SAMPLED)
AAS – ATOMIC ABSORPTION SPECTROMETRY
XRF – X RAY FLOURESCENT

CHAIN OF CUSTODY

Type of Analysis: ~~AASY~~ XRF 3 hours
Turnaround Time ~~24 hrs~~ 12 hrs ~~24 hrs 48 hrs~~ 72 hrs 5 days

		DATE	TIME
Relinquished by: (print) Drew Cheskin	(Sign) DC	8/31/19	1:09 AM/PM
Received by: (print) Katherine Viana	(Sign)	8/31/19	1:10 AM/PM
Relinquished by: (print) David Turkiewicz	(Sign)	8/31/19	2:30 AM/PM
Received by: (print)	(Sign)	/ /	AM/PM

CERT. NO.:
NAME: Drew Cheskin
SIGNATURE: DC

TELEPHONE NO. : (212) 612.7900
ADDRESS: 96 Morton Street, 8 Floor, New York, NY 10014
TASKS COMPLETED:
1 A visual determination of accessible painted surfaces and condition
2.Collect paint chip samples of suspect surfaces of building components.
3.Quantify the amount of painted surfaces in their respective locations.
6.Submit bulk samples for analysis by AAS
7.Sample locations and suspect materials were identified on the appropriate building floor plan diagram with the sample number (optional)
8. A Chain of Custody record accompanied the samples to the laboratory

FIELD NOTES: Email all lab report to labresults@louisberger.com

OrderID: 061920468

APPENDIX D

Laboratory Credentials

United States Department of Commerce
National Institute of Standards and Technology

Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 101048-10

EMSL Analytical, Inc.

Carle Place, NY

is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:

Asbestos Fiber Analysis

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).

2019-07-01 through 2020-06-30

Effective Dates

For the National Voluntary Laboratory Accreditation Program

NVLAP® National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

EMSL Analytical, Inc.
528 Mineola Ave.
Carle Place, NY 11514
Daniel Clarke
Phone: 516-997-7251
Email: dclarke@emsl.com
http://www.emsl.com

ASBESTOS FIBER ANALYSIS

NVLAP LAB CODE 101048-10

Bulk Asbestos Analysis

Code	*Description*
18/A01	EPA -- 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

Airborne Asbestos Analysis

Code	*Description*
18/A02	U.S. EPA's "Interim Transmission Electron Microscopy Analytical Methods-Mandatory and Nonmandatory-and Mandatory Section to Determine Completion of Response Actions" as found in 40 CFR, Part 763, Subpart E, Appendix A.

For the National Voluntary Laboratory Accreditation Program

Effective 2019-07-01 through 2020-06-30

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2020
Issued April 01, 2019

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. DANIEL CLARKE
EMSL ANALYTICAL, INC.
528 MINEOLA AVE.
CARLE PLACE, NY 11514

NY Lab Id No: 11469

is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:

Miscellaneous

Asbestos in Friable Material	Item 198.1 of Manual
	EPA 600/M4/82/020
Asbestos in Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)
Asbestos in Non-Friable Material-TEM	Item 198.4 of Manual
Asbestos-Vermiculite-Containing Material	Item 198.8 of Manual
Lead in Dust Wipes	EPA 7000B
Lead in Paint	EPA 7000B

Sample Preparation Methods

	EPA 3051A

Serial No.: 59670