

February 23, 2022

Diane Czarnecki Industrial Hygienist Facilities Management Division GSA Public Buildings Service – Heartland Region 2300 Main Street Kansas City, MO 64108

Re: Goodfellow Federal Center –Building 105 Air and Wipe Sampling Evaluation Addendum Project No. 121244

Dear Ms. Czarnecki:

Thank you for the opportunity to provide the General Services Administration (GSA) with the above referenced environmental sampling activities. The following is our report.

INTRODUCTION

As requested, Burns & McDonnell conducted area air sampling and wipe sampling for the presence of seven (7) RCRA metals including arsenic, barium, cadmium, chromium, lead, selenium, and silver within the warehouse on the first floor of building 105 of the Goodfellow Federal Center located at 4300 Goodfellow Boulevard in St. Louis, Missouri. The purpose of the investigation was to provide ongoing sampling data to monitor conditions at the site. This report serves as an addendum to the semiannual report titled *Goodfellow Federal Center – Metals in Settled Dust Sampling – Building 105*, dated January 12, 2022.

SAMPLING METHODOLOGY

Dust wipe sampling was conducted in accordance with ASTM Standard E1728: Standard Practice for Collection of Settled Dust Samples Using Wipe Sampling Methods for Subsequent Lead Determination and ASTM Standard D6966: Standard Practice for Collection of Settled Dust Samples Using Wipe Sampling Methods for Subsequent Determination of Metals. ASTM Standards E1728 and D6966 are consistent with the methodology described in the Housing and Urban Development Guidelines-Appendix 13.1 and 40 CFR 745.63. The Brookhaven National Laboratory's Surface Wipe Sampling Procedure (IH75190) was also used as a guideline.

A representative surface area of approximately one square foot (1 SF) was measured and delineated. The dust wipe samples were collected using dedicated dust wipe cloths meeting ASTM E1792 Standard. Each dust wipe cloth was pre-moistened and individually wrapped. Each sample was collected by wiping in a back and forth "S" pattern over a measured sampling area using a clean, disposable glove. Then, the wipe was folded over itself and the area was wiped again in a direction perpendicular to the first wipe orientation. Then, the wipe folded over itself again and the area was wiped around the perimeter. The wipe sample was then placed into a labeled, clean container.



Air samples for RCRA metals were collected on 37-millimeter (mm) cassettes with 0.8 micrometer (µm) mixed cellulose ester (MCE) filters, using powered air sampling pumps, in accordance with the National Institute for Occupational Safety and Health (NIOSH) Method 7300. The sampling strategy included collecting a minimum sample volume of 500 liters based on the calibrated pump flow rate and sample duration.

All samples were submitted under chain-of-custody to Environmental Hazards Services, LLC (EHS) in Richmond, Virginia for independent analysis of 7 RCRA metals. Air samples were analyzed by Inductively Coupled Plasma (ICP) according to NIOSH method 7300. Wipe samples were analyzed according to Environmental Protection Agency (EPA) method SW846-3050B/6010D. EHS is accredited under the American Industrial Hygiene Association (AIHA) Industrial Hygiene Laboratory Accreditation Program (IHLAP) program, identification number LAP-100420.

SAMPLE SUMMARY AND RESULTS

Air and wipe sample(s) were collected on January 26, 2022 and February 11, 2022 by Emily Pulcher of Burns & McDonnell. Two (2) air samples were collected on January 26, 2022. Lead was detected at 1.3 micrograms per cubic meter ($\mu g/m^3$) in sample 105-A-01, collected from a shelf near the mail workstation at column D43 in the warehouse of building 105.

Four (4) wipe samples were collected on January 26, 2022. The sample locations and results are listed below. The complete wipe sampling laboratory report from EHS is included in Appendix B.

- Stainless steel mail workstation at column D43 in the warehouse of building 105
 - o Arsenic, selenium, and silver were below laboratory reporting limits
 - o Barium was detected at 0.83 micrograms per square foot (μ g/sq. ft), below the clean area limit of 3,094 μ g/sq. ft
 - o Cadmium was detected at 0.20 μg/sq. ft, below the clean area limit of 31 μg/sq. ft
 - o Chromium was detected at 2.4 μ g/sq. ft, below the clean area limit of 3,094 μ g/sq. ft
 - O Lead was detected at 0.59 μg/sq. ft, below the clean area limit of 10 μg/sq. ft



- Empty table outside of the walk-in cooler at column E43 in the warehouse of building 105
 - o Arsenic, chromium, selenium and silver were below laboratory reporting limits
 - O Barium was detected at 1.5 μg/sq. ft, below the clean area limit of 3,094 μg/sq. ft
 - O Cadmium was detected at 0.62 μg/sq. ft, below the clean area limit of 31 μg/sq. ft
 - o Lead was detected at 0.62 μg/sq. ft, below the clean area limit of 10 μg/sq. ft
- Mid-shelf, back wall of storage rack at column H46 in the warehouse of building 105
 - o Arsenic, selenium, and silver were below laboratory reporting limits
 - O Barium was detected at 22 μg/sq. ft, below the clean area limit of 3,094 μg/sq. ft
 - o Cadmium was detected at 0.45 μ g/sq. ft, below the clean area limit of 31 μ g/sq. ft
 - O Chromium was detected at 3.4 μg/sq. ft, below the clean area limit of 3,094 μg/sq. ft
 - o Lead was detected at 6.5 μ g/sq. ft, below the clean area limit of 10 μ g/sq. ft
- Top shelf of tape organizer at column E47 in the warehouse of building 105
 - o Arsenic, selenium, and silver were below the laboratory reporting limits
 - o Barium was detected at 86 µg/sq. ft, below the clean area limit of 3,094 µg/sq. ft
 - Cadmium was detected at 0.60 μg/sq. ft, below the clean area limit of 31 μg/sq. ft
 - O Chromium was detected at 5.0 μg/sq. ft, below the clean area limit of 3,094 μg/sq. ft
 - o Lead was detected at 47 μg/sq. ft, exceeding the clean area limit of 10 μg/sq. ft

One (1) air sample was collected on February 11, 2022 from the top of the yellow cage cart located at column F47. All analytes were below laboratory reporting limits. The complete air sampling laboratory report from EHS is included in Appendix A.



Two (2) wipe samples were collected on February 11, 2022. The sample locations and results are listed below. The complete wipe sampling laboratory report from EHS is included in Appendix B.

- Top of cardboard box on the pallet south of column E46 in the warehouse of building 105
 - o Arsenic, selenium, and silver were below the laboratory reporting limits
 - O Barium was detected at 22 μg/sq. ft, below the clean area limit of 3,094 μg/sq. ft
 - o Cadmium was detected at 0.54 μg/sq. ft, below the clean area limit of 31 μg/sq. ft
 - o Chromium was detected at 4.0 μ g/sq. ft, below the clean area limit of 3,094 μ g/sq. ft
 - ο Lead was detected at 11 μg/sq. ft, exceeding the clean area limit of 10 μg/sq. ft
- Top of metal rolling cart, southeast end of cage near wire closet in the warehouse of building 105
 - o Arsenic, selenium, and silver were below the laboratory reporting limits
 - O Barium was detected at 26 μg/sq. ft, below the clean area limit of 3,094 μg/sq. ft
 - o Cadmium was detected at 0.80 μg/sq. ft, below the clean area limit of 31 μg/sq. ft
 - o Chromium was detected at 5.2 μ g/sq. ft, below the clean area limit of 3,094 μ g/sq. ft
 - o Lead was detected at 9.9 μ g/sq. ft, below the clean area limit of 10 μ g/sq. ft

LIMITATIONS

The scope of this assessment was limited in nature. Burns & McDonnell collected samples from a representative number of surfaces in an effort to minimize cost while providing a general overview of site conditions. Sample locations do not encompass all surfaces at the site. Additionally, samples were only analyzed for a select number of potential contaminants. Burns & McDonnell is not responsible for potential contaminants not identified in this report.

Burns & McDonnell appreciates the opportunity to work GSA on this project. Please contact us if you have any questions regarding this report or if we may be of any additional service.



Sincerely,



Matt Shanahan, CHMM Project Manager

Attachments:

Appendix A – Air Sampling Laboratory Reports Appendix B – Wipe Sampling Laboratory Reports

Information in Appendices A and B are not accessible for people using screen reader technology. If this information is required, it can be furnished upon request by contacting 816-223-6198 or r6environmental@gsa.gov.





Telephone: 800.347.4010

Air Metals Analysis Report

Client: Burns & McDonnell Engineering

9400 Ward Pkwy.

Kansas City, MO 64114

Report Number: 22-01-04032

Received Date:

01/28/2022 02/21/2022

Reported Date:

Project/Test Address: 168765; GFC; 4300 Goodfellow Blvd

Client Number: 26-3514 Laboratory Results

Fax Number: 816-822-3494

Lab Sample Number	Client Sample Number	Analyzed Date	Analyte	Air Volume (L)	Total Metal (ug)	Concentration (ug/m³)	Narrative ID
22-01-04032-001	105-A-01	02/18/2022	Arsenic (As)	689	<0.15	<0.22	
			Barium (Ba)		<0.15	<0.22	
			Cadmium (Cd)		<0.030	<0.044	
			Chromium (Cr)		<0.75	<1.1	
			Lead (Pb)		0.87	1.3	
			Selenium (Se)		<0.75	<1.1	
			Silver (Ag)		<0.15	<0.22	
22-01-04032-002	105-A-02	02/18/2022	Arsenic (As)	658	<0.15	<0.23	
			Barium (Ba)		<0.15	<0.23	
			Cadmium (Cd)		<0.030	<0.046	
			Chromium (Cr)		<0.75	<1.2	
			Lead (Pb)		<0.15	<0.23	
			Selenium (Se)		<0.75	<1.2	
			Silver (Ag)		<0.15	<0.23	

Client Number: 26-3514 Report Number: 22-01-04032

Project/Test Address: 168765; GFC; 4300 Goodfellow Blvd

Lab Sample Client Sample Analyzed Analyte Air Total Metal Concentration Narrative Number Date Volume (L) (ug) (ug/m³) ID

Sample Narratives:

Method: NIOSH 7300M Analyst: Ailea Cabatbat

(b) (6)

Reviewed By Authorized Signatory:

Tasha Eaddy QA/QC Clerk

Sample Results denoted with a "less than" (<) sign contains less than the reporting limit for each particular metal, based on a 15mL volume. The reporting limit is 0.03ug for Cadmium, 0.15ug for Arsenic, Barium, Lead and Silver, and 0.75ug for Chromium and Selenium.

The condition of the samples analyzed was acceptable upon receipt per laboratory protocol unless otherwise noted on this report. Results represent the analysis of samples submitted by the client. Unless otherwise noted, samples are reported without a dry weight correction. Sample location, description, area, volume, etc., was provided by the client. If the report does not contain the result for a field blank, it is due to the fact that the client did not include a field blank with their samples. These sample results do not reflect blank correction. This report shall not be reproduced except in full, without the written consent of Environmental Hazards Services, L.L.C. NY ELAP #11714.

LEGEND ug = microgram ug/m³ = micrograms per cubic meter
mL = milliliter L= Liters

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LAB	Sample ID	Date & Time	Pb TCLP	TCLP RCRA 8	RCRA 8 Total	Toxic Metal Profile	Welding Fume Profile	TX 11 TCLP	CA 17 Total			Total Nuisance Dust	Respirable Dust	TSP Gravimetric	TSP Pb	PM-10	Mins.	L/min.	Total Liters	Circle The Unit of Measurement Used cm or in
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Due Date: 02/04/2022 (Friday) Portal Contact Added EL MM-L **2** 7469 WHITEPINE RD, RICHMOND, VA 23237 (800)-347-4010 RESULTS VIA CLIENT PORTAL AVAILABLE @ www.leadlab.com



Telephone: 800.347.4010

Air Metals Analysis Report

Client: Burns & McDonnell Engineering

9400 Ward Pkwy.

Kansas City, MO 64114

Report Number: 22-02-02235

Received Date:

02/14/2022

Reported Date:

02/21/2022

Project/Test Address: 168765; GFC; 4300 Goodfellow Blvd.

Client Number: 26-3514 Laboratory Results

Fax Number: 816-822-3494

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Lab Sample Number	Client Sample Number	Analyzed Date	Analyte	Air Volume (L)	Total Metal (ug)	Concentration (ug/m³)	Narrative ID
22-02-02235-001	105-A-01	02/18/2022	Arsenic (As)	798	<0.15	<0.19	
			Barium (Ba)		<0.15	<0.19	
			Cadmium (Cd)		<0.030	<0.038	
			Chromium (Cr)		<0.75	<0.94	
			Lead (Pb)		<0.15	<0.19	
			Selenium (Se)		<0.75	<0.94	
			Silver (Ag)		<0.15	<0.19	
22-02-02235-002	105-A-02	02/18/2022	Arsenic (As)		<0.15		
			Barium (Ba)		<0.15		
			Cadmium (Cd)		<0.030		
			Chromium (Cr)		<0.75		
			Lead (Pb)		<0.15		
			Selenium (Se)		<0.75		
			Silver (Ag)		<0.15		

Client Number: 26-3514 Report Number: 22-02-02235

Project/Test Address: 168765; GFC; 4300 Goodfellow Blvd.

Lab Sample Client Sample Analyzed Analyte Air Total Metal Concentration Narrative Number Date Volume (L) (ug) (ug/m³) ID

Sample Narratives:

Method: NIOSH 7300M Analyst: Ailea Cabatbat

(b) (6)

Reviewed By Authorized Signatory:

Tasha Eaddy QA/QC Clerk

Sample Results denoted with a "less than" (<) sign contains less than the reporting limit for each particular metal, based on a 15mL volume. The reporting limit is 0.03ug for Cadmium, 0.15ug for Arsenic, Barium, Lead and Silver, and 0.75ug for Chromium and Selenium.

The condition of the samples analyzed was acceptable upon receipt per laboratory protocol unless otherwise noted on this report. Results represent the analysis of samples submitted by the client. Unless otherwise noted, samples are reported without a dry weight correction. Sample location, description, area, volume, etc., was provided by the client. If the report does not contain the result for a field blank, it is due to the fact that the client did not include a field blank with their samples. These sample results do not reflect blank correction. This report shall not be reproduced except in full, without the written consent of Environmental Hazards Services, L.L.C. NY ELAP #11714.

LEGEND ug = microgram ug/m³ = micrograms per cubic meter
mL = milliliter L= Liters

Metals Chain of Custody Form Pg 1 of 1 Burns & McDonnell Company Name Account # 26-3514 9400 Ward Parkway Company Address Kansas City, MO 64114 City/State/Zip 314-302-4661 Phone eapulcher@burnsmcd.com Email Project Name / Testing Address | GFC / 4300 Goodfellow Blvd PO Number 168765 Collected By **Emily Pulcher** Turn-Around Time C 5 DAY X 3 DAY C 2 DAY C 1 DAY SAME DAY OR WEEKEND - Must Call Ahead **METALS PARTICULATES** AIR WIPES Welding Fume Profile Total Flow Total Nuisance Dust **Toxic Metal Profile** TSP Gravimetric Respirable Dust Client Collection Time TCLP RCRA 8 **AREA** Sample ID Date & Time Pb TCLP Other Circle The Unit of TX 11.1 Measurement Used Metals Total Mins. L/min. Liters cm or in Ag, As, Ba, Cd, Cr, Pb, Se 105-A-01 2/11/22 0828 307 2.6 798 X 105-A-02 2/11/22 0759 NA NA NA 3 105-W-01 2/11/22 0830 12 x 12 105-W-02 2/11/22 0836 12 × 12 Х 9 Х 10 11 Х 12 Х 13 14 х 15 **Emily Pulcher** Released By: 2/11/22 1600 Date: Time: Signature: LAB USE ONLY - BELOW THIS LINE Received By: Signature: 22-02-02235 Portal Contact Added Due Date: 7469 WHITEPINE RD, RICHMOND, VA 23237 (800)-347-4010 02/17/2022

(Thursday)

MM-L

RESULTS VIA CLIENT PORTAL AVAILABLE @ www.leadlab.com





Telephone: 800.347.4010

Burns & McDonnell Engineering Report Number: 22-01-04035

9400 Ward Pkwy.

Kansas City, MO 64114

Received Date: 01/28/2022 Analyzed Date: 02/18/2022 Reported Date: 02/21/2022

Wipe Metals **Analysis Report**

Project/Test Address: 168765; GFC; 4300 Goodfellow Blvd

Client Number:

Client:

Fax Number: **Laboratory Results** 816-822-3494 26-3514

Lab Sample Number	Client Sample Number	Analyte:	Wipe Area (ft²)	Total Metal (ug)	Concentration (ug/ft²)	Narrative ID
22-01-04035-001	105-W-01	Arsenic (As)	1.00	<2.50	<2.5	L01
		Barium (Ba)	1.00	0.830	0.83	L01
		Cadmium (Cd)	1.00	0.195	0.20	L01
		Chromium (Cr)	1.00	2.44	2.4	L01
		Lead (Pb)	1.00	0.590	0.59	L01
		Selenium (Se)	1.00	<2.50	<2.5	L01
		Silver (Ag)	1.00	<0.500	<0.50	L01
22-01-04035-002	105-W-02	Arsenic (As)	1.00	<2.50	<2.5	L01
		Barium (Ba)	1.00	1.46	1.5	L01
		Cadmium (Cd)	1.00	0.620	0.62	L01
		Chromium (Cr)	1.00	<1.00	<1.0	L01

Report Number:

22-01-04035

Client Number:	26-3514
Project/Test Address:	168765; GFC; 4300 Goodfellow Blvd

Lab Sample Number	Client Sample Number	Analyte:	Wipe Area (ft²)	Total Metal (ug)	Concentration (ug/ft²)	Narrative ID
		Lead (Pb)	1.00	0.620	0.62	L01
		Selenium (Se)	1.00	<2.50	<2.5	L01
		Silver (Ag)	1.00	<0.500	<0.50	L01
22-01-04035-003	105-W-03	Arsenic (As)	1.00	<2.50	<2.5	L01
		Barium (Ba)	1.00	22.2	22	L01
		Cadmium (Cd)	1.00	0.450	0.45	L01
		Chromium (Cr)	1.00	3.44	3.4	L01
		Lead (Pb)	1.00	6.50	6.5	L01
		Selenium (Se)	1.00	<2.50	<2.5	L01
		Silver (Ag)	1.00	<0.500	<0.50	L01
22-01-04035-004	105-W-04	Arsenic (As)	1.00	<2.50	<2.5	L01
		Barium (Ba)	1.00	86.4	86	L01
		Cadmium (Cd)	1.00	0.595	0.60	L01
		Chromium (Cr)	1.00	4.95	5.0	L01
		Lead (Pb)	1.00	46.9	47	L01
		Selenium (Se)	1.00	<2.50	<2.5	L01
		Silver (Ag)	1.00	<0.500	<0.50	L01
22-01-04035-005	105-W-05	Arsenic (As)		<2.50		L01
		Barium (Ba)		<0.500		L01

Client Number: 26-3514 Report Number: 22-01-04035

Project/Test Address: 168765; GFC; 4300 Goodfellow Blvd

Lab Sample Number	Client Sample Number	Analyte:	Wipe Area (ft²)	Total Metal (ug)	Concentration (ug/ft²)	Narrative ID
		Cadmium (Cd)		<0.100		L01
		Chromium (Cr)		<1.00		L01
		Lead (Pb)		<0.500		L01
		Selenium (Se)		<2.50		L01
		Silver (Ag)		<0.500		L01
Sample Narrat						

Sample Narratives:

L01: MB for Se exceeded acceptance limit.

Analyst: Ailea Cabatbat

Method: Mercury (Hg): EPA SW846 7471B

All other metals: EPA SW846 3050B/6010D

Reviewed By Authorized Signatory:

Melissa Kanode

QA/QC Clerk

Sample Results denoted with a "less than" (<) sign contains less than the reporting limit for each particular metal, based on a 50mL volume. The reporting limit for Cadmium is 0.10ug, Barium, Lead and Silver are 0.50ug, Arsenic and Chromium are 1.0ug, and Selenium is 2.5ug.

The condition of the samples analyzed was acceptable upon receipt per laboratory protocol unless otherwise noted on this report. Results represent the analysis of samples submitted by the client. Unless otherwise noted, samples are reported without a dry weight correction. Sample location, description, area, volume, etc., was provided by the client. If the report does not contain the result for a field blank, it is due to the fact that the client did not include a field blank with their samples. These sample results do not reflect blank correction. This report shall not be reproduced except in full, without the written consent of Environmental Hazards Services, L.L.C. NY ELAP #11714.

 Legend
 ug = microgram
 ug/ft² = micrograms per square foot

 mL = milliliter ft² = square foot

Metals Chain of Custody Form Burns & McDonnell Company Name Account # 26-3514 Kansas City, MO 64114 Company Address 9400 Ward Parkway City/State/Zip Phone 314-302-4661 eapulcher@burnsmcd.com Email Project Name / Testing Address | GFC / 4300 Goodfellow Blvd PO Number 168765 Emily Pucher Collected By Turn-Around Time C 1 DAY X 5 DAY C 3 DAY C 2 DAY SAME DAY OR WEEKEND - Must Call Ahead **METALS PARTICULATES** WIPES AIR Total **Nelding Fume Profile** Total Nuisance Dust Flow Vol. Respirable Dust Toxic Metal Profil Time Client Collection TCLP RCRA 8 RCRA 8 Total CA 17 Total TX 11 TCLP AREA Pb TCLP Sample ID Date & Time Other Circle The Unit of TSP ₽₩-Measurement Used Metals Total Mins. L/min. cm or (in) Liters Ag, As, Ba, Cd, Cr, Pb, Se 1/26/22 0915 265 105-A-01 2.6 689 105-A-02 2.5 658 263 0917 105-W-01 12 x12 1342 105-W-02 1345 12 ×12 105 - W - 03 1348 12 × 12 105-W-04 1355 12 × 12 105-W-05 1355 NAXNA 8 10 11 12 13 14 Emily Pulcher 1126 22 Released By: Date: Time: 11000 Signature: LAB USE ONLY - BELOW THIS LINE 22-01-04035 Received By: Signature: Due Date: Date: 1 28 22 Time: 12 : 760 02/04/2022 (Friday) Portal Contact Added EL MM-L 7469 WHITEPINE RD, RICHMOND, VA 23237 (800)-347-4010 RESULTS VIA CLIENT PORTAL AVAILABLE @ www.leadlab.com



Telephone: 800.347.4010

Burns & McDonnell Engineering Report Number: 22-02-02236

9400 Ward Pkwy.

Kansas City, MÓ 64114 Received Date:

Analyzed Date: 02/19/2022 Reported Date: 02/21/2022

02/14/2022

Wipe Metals Analysis Report

Project/Test Address: 168765; GFC; 4300 Goodfellow Blvd.

<u>Client Number:</u>

26-3514

Client:

Laboratory Results

Fax Number: 816-822-3494

Lab Sample Number	Client Sample Number	Analyte:	Wipe Area (ft²)	Total Metal (ug)	Concentration (ug/ft²)	Narrative ID
22-02-02236-001	105-W-01	Arsenic (As)	1.00	<2.50	<2.5	L01
		Barium (Ba)	1.00	21.8	22	L01
		Cadmium (Cd)	1.00	0.545	0.54	L01
		Chromium (Cr)	1.00	4.00	4.0	L01
		Lead (Pb)	1.00	10.8	11	L01
		Selenium (Se)	1.00	<2.50	<2.5	L01
		Silver (Ag)	1.00	<0.500	<0.50	L01
22-02-02236-002	105-W-02	Arsenic (As)	1.00	<2.50	<2.5	L01
		Barium (Ba)	1.00	26.1	26	L01
		Cadmium (Cd)	1.00	0.800	0.80	L01
		Chromium (Cr)	1.00	5.15	5.2	L01

Client Number: 26-3514 Report Number: 22-02-02236

Project/Test Address: 168765; GFC; 4300 Goodfellow Blvd.

Lab Sample Number	Client Sample Number	Analyte:	Wipe Area (ft²)	Total Metal (ug)	Concentration (ug/ft²)	Narrative ID
		Lead (Pb)	1.00	9.86	9.9	L01
		Selenium (Se)	1.00	<2.50	<2.5	L01
		Silver (Ag)	1.00	<0.500	<0.50	L01

Sample Narratives:

LO1: LCS and LCSD percent recoveries for Se were outside of acceptable control limits.

Analyst: Ailea Cabatbat

Method: Mercury (Hg): EPA SW846 7471B

All other metals: EPA SW846 3050B/6010D

(b) (6)

Reviewed By Authorized Signatory:

Tasha Eaddy QA/QC Clerk

Sample Results denoted with a "less than" (<) sign contains less than the reporting limit for each particular metal, based on a 50mL volume. The reporting limit for Cadmium is 0.10ug, Barium, Lead and Silver are 0.50ug, Arsenic and Chromium are 1.0ug, and Selenium is 2.5ug.

The condition of the samples analyzed was acceptable upon receipt per laboratory protocol unless otherwise noted on this report. Results represent the analysis of samples submitted by the client. Unless otherwise noted, samples are reported without a dry weight correction. Sample location, description, area, volume, etc., was provided by the client. If the report does not contain the result for a field blank, it is due to the fact that the client did not include a field blank with their samples. These sample results do not reflect blank correction. This report shall not be reproduced except in full, without the written consent of Environmental Hazards Services, L.L.C. NY ELAP #11714.

Legend ug = microgram $ug/ft^2 = micrograms$ per square foot mL = milliliter $ft^2 = square$ foot

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