



EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

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

Attn:

**Stephen Gheen
Gheen Environmental Services, LLC
44 Glenridge Rd.
Whitesboro, NY 13492**

4/21/2021

Phone: (315) 761-7800

Fax:

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 4/7/2021. The results are tabulated on the attached data pages for the following client designated project:

Waterloo CSD 20S-027

The reference number for these samples is EMSL Order #012103452. Please use this reference when calling about these samples. If you have any questions, please do not hesitate to contact me at (856) 303-2500.

Approved By:

Phillip Worby, Environmental Chemistry
Laboratory Director



The test results contained within this report meet the requirements of NELAP and/or the specific certification program that is applicable, unless otherwise noted.
NELAP Certifications: NJ 03036, NY 10872, PA 68-00367, CA ELAP 1877

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

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

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

EMSL Order: 012103452

CustomerID: GHEN42

CustomerPO:

ProjectID:

Attn: **Stephen Gheen**
Gheen Environmental Services, LLC
44 Glenridge Rd.
Whitesboro, NY 13492

Phone: (315) 761-7800
 Fax:
 Received: 04/07/21 9:20 AM

Project: **Waterloo CSD 20S-027****Analytical Results**

Client Sample Description S073 **Collected:** 4/1/2021 8:14:00 AM **Lab ID:** 012103452-0001

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	26.5	1.00 µg/L	4/19/2021 JD	04/20/21 14:04 KB

Client Sample Description S074 **Collected:** 4/1/2021 8:15:00 AM **Lab ID:** 012103452-0002

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	17.4	1.00 µg/L	4/19/2021 KB	04/19/21 17:53 KB

Client Sample Description S075 **Collected:** 4/1/2021 8:21:00 AM **Lab ID:** 012103452-0003

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	15.8	1.00 µg/L	4/19/2021 KB	04/19/21 18:00 KB

Client Sample Description S076 **Collected:** 4/1/2021 8:22:00 AM **Lab ID:** 012103452-0004

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	41.2	1.00 µg/L	4/19/2021 KB	04/19/21 18:06 KB

Client Sample Description S077 **Collected:** 4/1/2021 8:23:00 AM **Lab ID:** 012103452-0005

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	4/19/2021 KB	04/19/21 18:08 KB

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Client Sample Description S078 **Collected:** 4/1/2021 8:24:00 AM **Lab ID:** 012103452-0006

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	4/19/2021 KB	04/19/21 18:11 KB

Client Sample Description S079 **Collected:** 4/1/2021 8:25:00 AM **Lab ID:** 012103452-0007

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	4/19/2021 KB	04/19/21 18:13 KB

Client Sample Description S080 **Collected:** 4/1/2021 8:26:00 AM **Lab ID:** 012103452-0008

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	4/19/2021 KB	04/19/21 18:15 KB

Client Sample Description S081 **Collected:** 4/1/2021 8:27:00 AM **Lab ID:** 012103452-0009

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	27.3	1.00 µg/L	4/19/2021 KB	04/19/21 18:17 KB

Client Sample Description S082 **Collected:** 4/1/2021 8:28:00 AM **Lab ID:** 012103452-0010

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	4.82	1.00 µg/L	4/19/2021 KB	04/19/21 18:19 KB

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Client Sample Description S083 **Collected:** 4/1/2021 8:29:00 AM **Lab ID:** 012103452-0011

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	12.0	1.00 µg/L	4/19/2021 KB	04/19/21 18:21 KB

Client Sample Description L084 **Collected:** 4/1/2021 9:02:00 AM **Lab ID:** 012103452-0012

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	2.32	1.00 µg/L	4/19/2021 KB	04/19/21 18:23 KB

Client Sample Description L085 **Collected:** 4/1/2021 9:03:00 AM **Lab ID:** 012103452-0013

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	1.87	1.00 µg/L	4/19/2021 KB	04/19/21 18:35 KB

Client Sample Description L086 **Collected:** 4/1/2021 9:04:00 AM **Lab ID:** 012103452-0014

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	1.75	1.00 µg/L	4/19/2021 KB	04/19/21 18:37 KB

Client Sample Description L087 **Collected:** 4/1/2021 9:08:00 AM **Lab ID:** 012103452-0015

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	2.96	1.00 µg/L	4/19/2021 KB	04/19/21 18:39 KB

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Client Sample Description L088 **Collected:** 4/1/2021 9:07:00 AM **Lab ID:** 012103452-0016

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	4/19/2021 KB	04/19/21 18:41 KB

Client Sample Description L089 **Collected:** 4/1/2021 9:09:00 AM **Lab ID:** 012103452-0017

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	3.62	1.00 µg/L	4/19/2021 KB	04/19/21 18:43 KB

Client Sample Description L090 **Collected:** 4/1/2021 9:10:00 AM **Lab ID:** 012103452-0018

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	1.35	1.00 µg/L	4/19/2021 KB	04/19/21 18:45 KB

Client Sample Description L091 **Collected:** 4/1/2021 9:11:00 AM **Lab ID:** 012103452-0019

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	1.85	1.00 µg/L	4/19/2021 KB	04/19/21 18:47 KB

Client Sample Description L092 **Collected:** 4/1/2021 9:13:00 AM **Lab ID:** 012103452-0020

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	1.50	1.00 µg/L	4/19/2021 KB	04/19/21 18:50 KB

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Client Sample Description L093 **Collected:** 4/1/2021 9:14:00 AM **Lab ID:** 012103452-0021

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	4/19/2021 KB	04/19/21 18:52 KB

Client Sample Description L094 **Collected:** 4/1/2021 9:15:00 AM **Lab ID:** 012103452-0022

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	4/19/2021 KB	04/19/21 19:07 KB

Client Sample Description L095 **Collected:** 4/1/2021 9:16:00 AM **Lab ID:** 012103452-0023

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	4/19/2021 KB	04/19/21 19:13 KB

Client Sample Description L096 **Collected:** 4/1/2021 9:17:00 AM **Lab ID:** 012103452-0024

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	1.16	1.00 µg/L	4/19/2021 KB	04/19/21 19:15 KB

Client Sample Description L097 **Collected:** 4/1/2021 9:18:00 AM **Lab ID:** 012103452-0025

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	3.06	1.00 µg/L	4/19/2021 KB	04/19/21 19:17 KB

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Client Sample Description L098 **Collected:** 4/1/2021 9:19:00 AM **Lab ID:** 012103452-0026

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	1.70	1.00 µg/L	4/19/2021 JD	04/20/21 14:07 KB

Client Sample Description L099 **Collected:** 4/1/2021 9:19:00 AM **Lab ID:** 012103452-0027

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	3.54	1.00 µg/L	4/19/2021 KB	04/19/21 19:24 KB

Client Sample Description L100 **Collected:** 4/1/2021 9:20:00 AM **Lab ID:** 012103452-0028

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	4/19/2021 KB	04/19/21 19:26 KB

Client Sample Description L101 **Collected:** 4/1/2021 9:21:00 AM **Lab ID:** 012103452-0029

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	41.2	1.00 µg/L	4/19/2021 KB	04/19/21 19:28 KB

Client Sample Description L102 **Collected:** 4/1/2021 9:22:00 AM **Lab ID:** 012103452-0030

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	9.28	1.00 µg/L	4/19/2021 JD	04/20/21 14:09 KB

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Client Sample Description L103 **Collected:** 4/1/2021 9:23:00 AM **Lab ID:** 012103452-0031

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	4/19/2021 KB	04/19/21 19:30 KB

Client Sample Description L104 **Collected:** 4/1/2021 9:24:00 AM **Lab ID:** 012103452-0032

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	4/19/2021 KB	04/19/21 19:33 KB

Client Sample Description L105 **Collected:** 4/1/2021 9:25:00 AM **Lab ID:** 012103452-0033

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	34.0	1.00 µg/L	4/19/2021 JD	04/20/21 14:12 KB

Client Sample Description L106 **Collected:** 4/1/2021 9:26:00 AM **Lab ID:** 012103452-0034

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	3.07	1.00 µg/L	4/19/2021 KB	04/19/21 19:35 KB

Client Sample Description L107 **Collected:** 4/1/2021 9:27:00 AM **Lab ID:** 012103452-0035

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	9.18	1.00 µg/L	4/19/2021 KB	04/19/21 19:37 KB

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Client Sample Description L108 **Collected:** 4/1/2021 9:28:00 AM **Lab ID:** 012103452-0036

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	11.4	1.00 µg/L	4/19/2021 KB	04/19/21 19:43 KB

Client Sample Description L109 **Collected:** 4/1/2021 9:29:00 AM **Lab ID:** 012103452-0037

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	17.3	1.00 µg/L	4/19/2021 KB	04/19/21 19:50 KB

Client Sample Description L110 **Collected:** 4/1/2021 9:30:00 AM **Lab ID:** 012103452-0038

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	6.26	1.00 µg/L	4/19/2021 KB	04/19/21 19:52 KB

Client Sample Description L111 **Collected:** 4/1/2021 9:31:00 AM **Lab ID:** 012103452-0039

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	2.91	1.00 µg/L	4/19/2021 KB	04/19/21 19:54 KB

Client Sample Description L112 **Collected:** 4/1/2021 9:32:00 AM **Lab ID:** 012103452-0040

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	7.75	1.00 µg/L	4/19/2021 KB	04/19/21 19:56 KB

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Client Sample Description L113 **Collected:** 4/1/2021 9:33:00 AM **Lab ID:** 012103452-0041

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	7.62	1.00 µg/L	4/19/2021 KB	04/19/21 19:58 KB

Client Sample Description L114 **Collected:** 4/1/2021 9:34:00 AM **Lab ID:** 012103452-0042

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	9.70	1.00 µg/L	4/19/2021 JD	04/20/21 14:14 KB

Client Sample Description L115 **Collected:** 4/1/2021 9:35:00 AM **Lab ID:** 012103452-0043

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	9.05	1.00 µg/L	4/19/2021 KB	04/19/21 20:00 KB

Client Sample Description L116 **Collected:** 4/1/2021 9:36:00 AM **Lab ID:** 012103452-0044

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	5.97	1.00 µg/L	4/19/2021 KB	04/19/21 20:03 KB

Client Sample Description L117 **Collected:** 4/1/2021 9:37:00 AM **Lab ID:** 012103452-0045

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	4.88	1.00 µg/L	4/19/2021 KB	04/19/21 20:05 KB

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Client Sample Description L118 **Collected:** 4/1/2021 9:38:00 AM **Lab ID:** 012103452-0046

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	9.46	1.00 µg/L	4/19/2021 KB	04/19/21 21:13 KB

Client Sample Description L119 **Collected:** 4/1/2021 9:39:00 AM **Lab ID:** 012103452-0047

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	4.12	1.00 µg/L	4/19/2021 KB	04/19/21 21:20 KB

Client Sample Description L120 **Collected:** 4/1/2021 9:40:00 AM **Lab ID:** 012103452-0048

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	54.0	1.00 µg/L	4/19/2021 KB	04/19/21 21:22 KB

Client Sample Description L121 **Collected:** 4/1/2021 9:41:00 AM **Lab ID:** 012103452-0049

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	10.5	1.00 µg/L	4/19/2021 KB	04/19/21 21:24 KB

Client Sample Description L122 **Collected:** 4/1/2021 9:42:00 AM **Lab ID:** 012103452-0050

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	4.43	1.00 µg/L	4/19/2021 KB	04/19/21 21:26 KB

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Client Sample Description L123		Collected: 4/1/2021 9:43:00 AM		Lab ID: 012103452-0051	
Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	3.54	1.00 µg/L	4/19/2021 KB	04/19/21 21:33 KB
Client Sample Description L124		Collected: 4/1/2021 9:44:00 AM		Lab ID: 012103452-0052	
Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	8.66	1.00 µg/L	4/19/2021 KB	04/19/21 21:35 KB
Client Sample Description L125		Collected: 4/1/2021 9:45:00 AM		Lab ID: 012103452-0053	
Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	7.52	1.00 µg/L	4/19/2021 KB	04/19/21 21:37 KB
Client Sample Description L126		Collected: 4/1/2021 9:46:00 AM		Lab ID: 012103452-0054	
Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	4/19/2021 KB	04/19/21 21:39 KB
Client Sample Description L127		Collected: 4/1/2021 9:48:00 AM		Lab ID: 012103452-0055	
Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	4.85	1.00 µg/L	4/19/2021 KB	04/19/21 21:41 KB

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Client Sample Description L128 **Collected:** 4/1/2021 9:49:00 AM **Lab ID:** 012103452-0056

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	4.41	1.00 µg/L	4/19/2021 KB	04/19/21 21:43 KB

Client Sample Description L129 **Collected:** 4/1/2021 9:50:00 AM **Lab ID:** 012103452-0057

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	2.95	1.00 µg/L	4/19/2021 KB	04/19/21 21:50 KB

Client Sample Description L130 **Collected:** 4/1/2021 9:51:00 AM **Lab ID:** 012103452-0058

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	3.01	1.00 µg/L	4/19/2021 KB	04/19/21 21:52 KB

Client Sample Description L131 **Collected:** 4/1/2021 9:52:00 AM **Lab ID:** 012103452-0059

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	8.42	1.00 µg/L	4/19/2021 KB	04/19/21 21:58 KB

Client Sample Description L132 **Collected:** 4/1/2021 9:53:00 AM **Lab ID:** 012103452-0060

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	8.85	1.00 µg/L	4/19/2021 KB	04/19/21 22:01 KB

**EMSL Analytical, Inc.**

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

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

EMSL Order: 012103452

CustomerID: GHEN42

CustomerPO:

ProjectID:

Attn: **Stephen Gheen**
Gheen Environmental Services, LLC
44 Glenridge Rd.
Whitesboro, NY 13492

Phone: (315) 761-7800
 Fax:
 Received: 04/07/21 9:20 AM

Project: **Waterloo CSD 20S-027****Analytical Results**

Client Sample Description L133		Collected: 4/1/2021 9:54:00 AM		Lab ID: 012103452-0061	
Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	2.36	1.00 µg/L	4/19/2021 KB	04/19/21 22:03 KB
Client Sample Description L134		Collected: 4/1/2021 9:55:00 AM		Lab ID: 012103452-0062	
Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	2.56	1.00 µg/L	4/19/2021 KB	04/19/21 22:05 KB
Client Sample Description L135		Collected: 4/1/2021 9:56:00 AM		Lab ID: 012103452-0063	
Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	6.38	1.00 µg/L	4/19/2021 KB	04/19/21 22:07 KB
Client Sample Description L136		Collected: 4/1/2021 9:57:00 AM		Lab ID: 012103452-0064	
Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	5.23	1.00 µg/L	4/19/2021 KB	04/19/21 22:09 KB
Client Sample Description L137		Collected: 4/1/2021 9:58:00 AM		Lab ID: 012103452-0065	
Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	5.21	1.00 µg/L	4/19/2021 KB	04/19/21 22:11 KB

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EMSL Order: 012103452

CustomerID: GHEN42

CustomerPO:

ProjectID:

Attn: **Stephen Gheen**
Gheen Environmental Services, LLC
44 Glenridge Rd.
Whitesboro, NY 13492

Phone: (315) 761-7800
 Fax:
 Received: 04/07/21 9:20 AM

Project: **Waterloo CSD 20S-027****Analytical Results**

Client Sample Description L138 **Collected:** 4/1/2021 9:59:00 AM **Lab ID:** 012103452-0066

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	5.44	1.00 µg/L	4/19/2021 KB	04/19/21 18:58 KB

Client Sample Description L139 **Collected:** 4/1/2021 10:00:00 AM **Lab ID:** 012103452-0067

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	3.46	1.00 µg/L	4/19/2021 KB	04/19/21 17:27 KB

Client Sample Description L140 **Collected:** 4/1/2021 10:01:00 AM **Lab ID:** 012103452-0068

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	8.26	1.00 µg/L	4/19/2021 KB	04/19/21 17:30 KB

Client Sample Description L141 **Collected:** 4/1/2021 10:02:00 AM **Lab ID:** 012103452-0069

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	16.9	1.00 µg/L	4/19/2021 KB	04/19/21 17:32 KB

Client Sample Description L142 **Collected:** 4/1/2021 10:03:00 AM **Lab ID:** 012103452-0070

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	29.1	1.00 µg/L	4/19/2021 KB	04/19/21 17:34 KB

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

EMSL Order: 012103452

CustomerID: GHEN42

CustomerPO:

ProjectID:

Attn: **Stephen Gheen**
Gheen Environmental Services, LLC
44 Glenridge Rd.
Whitesboro, NY 13492

Phone: (315) 761-7800
Fax:
Received: 04/07/21 9:20 AM

Project: **Waterloo CSD 20S-027****Analytical Results**

Client Sample Description L143 **Collected:** 4/1/2021 10:04:00 AM **Lab ID:** 012103452-0071

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	18.0	1.00 µg/L	4/19/2021 KB	04/19/21 17:40 KB

Client Sample Description L144 **Collected:** 4/1/2021 10:05:00 AM **Lab ID:** 012103452-0072

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	16.4	1.00 µg/L	4/19/2021 KB	04/19/21 17:43 KB

Definitions:

MDL - method detection limit

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

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

RL - Reporting Limit (Analytical)

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



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EMSL Analytical, Inc.

200 Rt. 130 N

Cinnaminson, NJ 08077

PHONE: (800) 220-3675

EMAIL: EnvChemistry2@EMSL.com

012103452

Customer Information	Customer ID: GHEN42				Billing Information				Billing ID:						
	Company Name: Gheen Environmental Services								Company Name: Gheen Environmental Services						
	Contact Name: Stephen Gheen								Billing Contact: Sandra Gheen						
	Street Address: 44 Glenridge Road								Street Address: 44 Glenridge Road						
	City, State, Zip: Whitesboro, NY 13492 Country: USA								City, State, Zip: Whitesboro, NY 13492 Country: USA						
Phone: 315.264.0283				Phone: 315.761.7800											
Email(s) for Report: Stephen.Gheen@GheenEnv.com				Email(s) for Invoice: Sandra.Gheen.GheenEnv.com											
Project Name/No: Waterloo CSD 20S-027								Purchase Order:							
EMSL LIMS Project ID: (If applicable, EMSL will provide)								US State where samples collected: NY		State of Connecticut (CT) must select project location: ☐ Commercial (Taxable) ☐ Residential (Non-Taxable)					
Samples for Compliance? ☐ Yes ☐ No				If Yes, for NPDES? ☐ Yes ☐ No		Other (Specify)		PWS ID:		State Reporting Required? ☐ Yes ☒ No					
Samples Collected by (Check One): ☐ EMSL ☒ CLIENT				Samples Received Chilled? ☐ Yes ☒ No		Sample(s) Temperature Upon Receipt (LAB ONLY)									
Sampled By Name: Stephen Gheen				Sampled By Signature:				No. of Samples in Shipment:							
Turn-Around-Time (TAT)				Standard Turn-Around-Time: ☒ 2 Weeks		The following TAT's are subject to Lab approval. Call lab to confirm TAT before submittal:									
						☐ 1 Week		☐ 4 Days		☐ 3 Days ☐ 2 Days ☐ 1 Day					
Client Sample ID	Comp	Grab	Date / Time Collected	Matrix W=Water S=Soil A=Air SL=Sludge O=Other	Preservative 1 HCL 2 HNO3 3 H2SO4 4 ICE 5 Other Describe below in Special Instructions	Lead In Drinking Water ICP/MS	List Test(s) Needed (Write in test below, then check on sample line:)								Comments
							Test 1	Test 2	Test 3	Test 4	Test 5	Test 6	Test 7	Test 8	
S073		X	4/1/21, 08:14	W	2	X									
S074		X	4/1/21, 08:15	W	2	X									
S075		X	4/1/21, 08:21	W	2	X									
S076		X	4/1/21, 08:22	W	2	X									
Special Instructions and/or Regulatory Requirements (Sample Specifications, Processing Methods, Limits of Detection, etc.)															
Reporting Requirements: ☐ Results Only ☒ Results and QC ☐ Reduced Deliverables ☐ Hzresults EDD ☐ Excel ☐ Other (Describe Above)															
Method of Shipment: UPS															
Sample Condition Upon Receipt:															
Relinquished by: Stephen Gheen <i>[Signature]</i>				Date/Time: 4/5/21		Received by: EW UPS				Date/Time: 04/07/21 9:20 AM					
Relinquished by:				Date/Time:		Received by:				Date/Time:					

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OrderID: 012103452



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Client Sample ID	Comp	Grab	Date / Time Collected	Matrix	Preservative	List Test(s) Needed (Write in test below, then check on sample line:)								Comments
				W=Water S=Soil A=Air SL=Sludge O=Other	1 HCL 2 HNO3 3 H2SO4 4 ICE 5 Other <i>Describe in Special Instructions</i>	Lead In Drinking Water ICP/MS	Test 2:	Test 3:	Test 4:	Test 5:	Test 6:	Test 7:	Test 8:	
S077	☐	☒	4/1/21 08:23	W	2	☒	☐	☐	☐	☐	☐	☐	☐	
S078	☐	☒	4/1/21 08:24	W	2	☒	☐	☐	☐	☐	☐	☐	☐	
S079	☐	☒	4/1/21 08:25	W	2	☒	☐	☐	☐	☐	☐	☐	☐	
S080	☐	☒	4/1/21 08:26	W	2	☒	☐	☐	☐	☐	☐	☐	☐	
S081	☐	☒	4/1/21 08:27	W	2	☒	☐	☐	☐	☐	☐	☐	☐	
S082	☐	☒	4/1/21 08:28	W	2	☒	☐	☐	☐	☐	☐	☐	☐	
S083	☐	☒	4/1/21 08:29	W	2	☒	☐	☐	☐	☐	☐	☐	☐	
L084	☐	☒	4/1/21 09:02	W	2	☒	☐	☐	☐	☐	☐	☐	☐	

Method of Shipment UPS		Sample Condition Upon Receipt:	
Relinquished by: Stephen Gheen <i>[Signature]</i>	Date/Time: 4/5/21	Received by:	Date/Time:
Relinquished by:	Date/Time:	Received by:	Date/Time:

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				W=Water S=Soil A=Air SL=Sludge O=Other	1 HCL 2 HNO3 3 H2SO4 4 ICE 5 Other <i>Describe in Special Instructions</i>	Lead In Drinking Water ICP/MS	Test 2:	Test 3:	Test 4:	Test 5:	Test 6:	Test 7:	Test 8:	
L085	☐	☒	4/1/21 09:03	W	2	☒	☐	☐	☐	☐	☐	☐	☐	
L086	☐	☒	4/1/21 09:04	W	2	☒	☐	☐	☐	☐	☐	☐	☐	
L087	☐	☒	4/1/21 09:06	W	2	☒	☐	☐	☐	☐	☐	☐	☐	
L088	☐	☒	4/1/21 09:07	W	2	☒	☐	☐	☐	☐	☐	☐	☐	
L089	☐	☒	4/1/21 09:09	W	2	☒	☐	☐	☐	☐	☐	☐	☐	
L090	☐	☒	4/1/21 09:10	W	2	☒	☐	☐	☐	☐	☐	☐	☐	
L091	☐	☒	4/1/21 09:11	W	2	☒	☐	☐	☐	☐	☐	☐	☐	
L092	☐	☒	4/1/21 09:13	W	2	☒	☐	☐	☐	☐	☐	☐	☐	

Method of Shipment UPS		Sample Condition Upon Receipt:	
Relinquished by: Stephen Gheen <i>[Signature]</i>	Date/Time: 4/5/10	Received by:	Date/Time:
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				W=Water S=Soil A=Air SL=Sludge O=Other	1 HCL 2 HNO3 3 H2SO4 4 ICE 5 Other <i>Describe in Special Instructions</i>	Lead In Drinking Water ICP/MS	Test 2:	Test 3:	Test 4:	Test 5:	Test 6:	Test 7:	Test 8:	
L093	☐	☒	4/1/21 09:14	W	2	☒	☐	☐	☐	☐	☐	☐	☐	
L094	☐	☒	4/1/21 09:15	W	2	☒	☐	☐	☐	☐	☐	☐	☐	
L095	☐	☒	4/1/21 09:16	W	2	☒	☐	☐	☐	☐	☐	☐	☐	
L096	☐	☒	4/1/21 09:17	W	2	☒	☐	☐	☐	☐	☐	☐	☐	
L097	☐	☒	4/1/21 09:18	W	2	☒	☐	☐	☐	☐	☐	☐	☐	
L098	☐	☒	4/1/21 09:19	W	2	☒	☐	☐	☐	☐	☐	☐	☐	
L099	☐	☒	4/1/21 09:19	W	2	☒	☐	☐	☐	☐	☐	☐	☐	
L100	☐	☒	4/1/21 09:20	W	2	☒	☐	☐	☐	☐	☐	☐	☐	

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				W=Water S=Soil A=Air SL=Sludge O=Other	1 HCL 2 HNO3 3 H2SO4 4 ICE 5 Other <i>Describe in Special Instructions</i>	Lead In Drinking Water ICP/MS	Test 2:	Test 3:	Test 4:	Test 5:	Test 6:	Test 7:	Test 8:	
L101	☐	☒	4/1/21 09:21	W	2	☒	☐	☐	☐	☐	☐	☐	☐	
L102	☐	☒	4/1/21 09:22	W	2	☒	☐	☐	☐	☐	☐	☐	☐	
L103	☐	☒	4/1/21 09:23	W	2	☒	☐	☐	☐	☐	☐	☐	☐	
L104	☐	☒	4/1/21 09:24	W	2	☒	☐	☐	☐	☐	☐	☐	☐	
L105	☐	☒	4/1/21 09:25	W	2	☒	☐	☐	☐	☐	☐	☐	☐	
L106	☐	☒	4/1/21 09:26	W	2	☒	☐	☐	☐	☐	☐	☐	☐	
L107	☐	☒	4/1/21 09:27	W	2	☒	☐	☐	☐	☐	☐	☐	☐	
L108	☐	☒	4/1/21 09:28	W	2	☒	☐	☐	☐	☐	☐	☐	☐	

Method of Shipment UPS		Sample Condition Upon Receipt:	
Relinquished by: Stephen Gheen	Date/Time: 4/5/21	Received by:	Date/Time:
Relinquished by:	Date/Time:	Received by:	Date/Time:

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Client Sample ID	Comp	Grab	Date / Time Collected	Matrix	Preservative	List Test(s) Needed (Write in test below, then check on sample line:)								Comments
				W=Water S=Soil A=Air SL=Sludge O=Other	1 HCL 2 HNO3 3 H2SO4 4 ICE 5 Other <i>Describe in Special Instructions</i>	Lead In Drinking Water ICP/MS	Test 2:	Test 3:	Test 4:	Test 5:	Test 6:	Test 7:	Test 8:	
L109	☐	☒	4/1/21 09:29	W	2	☒	☐	☐	☐	☐	☐	☐	☐	
L110	☐	☒	4/1/21 09:30	W	2	☒	☐	☐	☐	☐	☐	☐	☐	
L111	☐	☒	4/1/21 09:31	W	2	☒	☐	☐	☐	☐	☐	☐	☐	
L112	☐	☒	4/1/21 09:32	W	2	☒	☐	☐	☐	☐	☐	☐	☐	
L113	☐	☒	4/1/21 09:33	W	2	☒	☐	☐	☐	☐	☐	☐	☐	
L114	☐	☒	4/1/21 09:34	W	2	☒	☐	☐	☐	☐	☐	☐	☐	
L115	☐	☒	4/1/21 09:35	W	2	☒	☐	☐	☐	☐	☐	☐	☐	
L116	☐	☒	4/1/21 09:36	W	2	☒	☐	☐	☐	☐	☐	☐	☐	

Method of Shipment UPS		Sample Condition Upon Receipt:	
Relinquished by: Stephen Gheen <i>SG</i>	Date/Time: 4/5/21	Received by:	Date/Time:
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				W=Water S=Soil A=Air SL=Sludge O=Other	1 HCL 2 HNO3 3 H2SO4 4 ICE 5 Other <i>Describe in Special Instructions</i>	Lead In Drinking Water ICP/MS	Test 1:	Test 2:	Test 3:	Test 4:	Test 5:	Test 6:	Test 7:	
L117	☐	☒	4/1/21 09:37	W	2	☒	☐	☐	☐	☐	☐	☐	☐	
L118	☐	☒	4/1/21 09:38	W	2	☒	☐	☐	☐	☐	☐	☐	☐	
L119	☐	☒	4/1/21 09:39	W	2	☒	☐	☐	☐	☐	☐	☐	☐	
L120	☐	☒	4/1/21 09:40	W	2	☒	☐	☐	☐	☐	☐	☐	☐	
L121	☐	☒	4/1/21 09:41	W	2	☒	☐	☐	☐	☐	☐	☐	☐	
L122	☐	☒	4/1/21 09:42	W	2	☒	☐	☐	☐	☐	☐	☐	☐	
L123	☐	☒	4/1/21 09:43	W	2	☒	☐	☐	☐	☐	☐	☐	☐	
L124	☐	☒	4/1/21 09:44	W	2	☒	☐	☐	☐	☐	☐	☐	☐	

Method of Shipment UPS		Sample Condition Upon Receipt:	
Relinquished by: Stephen Gheen	Date/Time: 4/5/21	Received by:	Date/Time:
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EMSL ANALYTICAL, INC.

Environmental Chemistry Chain of Custody

EMSL Order Number / Lab Use Only

EMSL Analytical, Inc.

200 Rt. 130 N

Cinnaminson, NJ 08077

PHONE: (800) 220-3675

EMAIL: EnvChemistry2@EMSL.com

012103452

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

Special Instructions and/or Regulatory Requirements (Sample Specifications, Processing Methods, Limits of Detection, etc.)

Please Note: Letter Prefix Changes by Building, but three digit following sequence continues. D=District Office/Maintenance. B=Bus Garage. S=Skoi-Yase ES. L=Lafayette IS. C=Concession Stand and Field Outlets. H=Middle School/High School.

Client Sample ID	Comp	Grab	Date / Time Collected	Matrix	Preservative	List Test(s) Needed (Write in test below, then check on sample line:)								Comments
				W=Water S=Soil A=Air SL=Sludge O=Other	1 HCL 2 HNO3 3 H2SO4 4 ICE 5 Other <i>Describe in Special Instructions</i>	Lead In Drinking Water ICP/MS	Test 1:	Test 2:	Test 3:	Test 4:	Test 5:	Test 6:	Test 7:	
L125	☐	☒	4/1/21 09:45	W	2	☒	☐	☐	☐	☐	☐	☐	☐	
L126	☐	☒	4/1/21 09:46	W	2	☒	☐	☐	☐	☐	☐	☐	☐	
L127	☐	☒	4/1/21 09:48	W	2	☒	☐	☐	☐	☐	☐	☐	☐	
L128	☐	☒	4/1/21 09:49	W	2	☒	☐	☐	☐	☐	☐	☐	☐	
L129	☐	☒	4/1/21 09:50	W	2	☒	☐	☐	☐	☐	☐	☐	☐	
L130	☐	☒	4/1/21 09:51	W	2	☒	☐	☐	☐	☐	☐	☐	☐	
L131	☐	☒	4/1/21 09:52	W	2	☒	☐	☐	☐	☐	☐	☐	☐	
L132	☐	☒	4/1/21 09:53	W	2	☒	☐	☐	☐	☐	☐	☐	☐	

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				W=Water S=Soil A=Air SL=Sludge O=Other ...	1 HCL 2 HNO3 3 H2SO4 4 ICE 5 Other Describe in Special Instructions	Lead In Drinking Water ICP/MS	Test 2:	Test 3:	Test 4:	Test 5:	Test 6:	Test 7:	Test 8:	
L133	☐	☒	4/1/21 09:54	W	2	☒	☐	☐	☐	☐	☐	☐	☐	
L134	☐	☒	4/1/21 09:55	W	2	☒	☐	☐	☐	☐	☐	☐	☐	
L135	☐	☒	4/1/21 09:56	W	2	☒	☐	☐	☐	☐	☐	☐	☐	
L136	☐	☒	4/1/21 09:57	W	2	☒	☐	☐	☐	☐	☐	☐	☐	
L137	☐	☒	4/1/21 09:58	W	2	☒	☐	☐	☐	☐	☐	☐	☐	
L138	☐	☒	4/1/21 09:59	W	2	☒	☐	☐	☐	☐	☐	☐	☐	
L139	☐	☒	4/1/21 10:00	W	2	☒	☐	☐	☐	☐	☐	☐	☐	
L140	☐	☒	4/1/21 10:01	W	2	☒	☐	☐	☐	☐	☐	☐	☐	

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Relinquished by: Stephen Gheen	Date/Time: 4/5/21	Received by:	Date/Time:
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Page 2 of 2

OrderID: 012103452



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				W=Water S=Soil A=Air SL=Sludge O=Other	1 HCL 2 HNO3 3 H2SO4 4 ICE 5 Other Describe in Special Instructions	Lead In Drinking Water ICP/MS	Test 1:	Test 2:	Test 3:	Test 4:	Test 5:	Test 6:	Test 7:	
L141	☐	☒	4/1/21 10:02	W	2	☒	☐	☐	☐	☐	☐	☐	☐	
L142	☐	☒	4/1/21 10:03	W	2	☒	☐	☐	☐	☐	☐	☐	☐	
L143	☐	☒	4/1/21 10:04	W	2	☒	☐	☐	☐	☐	☐	☐	☐	
L144	☐	☒	4/1/21 10:05	W	2	☒	☐	☐	☐	☐	☐	☐	☐	
	☐	☐				☐	☐	☐	☐	☐	☐	☐	☐	
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	☐	☐				☐	☐	☐	☐	☐	☐	☐	☐	

Method of Shipment UPS		Sample Condition Upon Receipt:	
Relinquished by: Stephen Gheen <i>[Signature]</i>	Date/Time: 4/5/21	Received by:	Date/Time:
Relinquished by:	Date/Time:	Received by:	Date/Time:

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Page 2 of 2
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