

Quality Assurance Project Plan (QAPP) Drinking Water Sampling of Lead Concentrations in School Drinking Water Outlets

Approvals

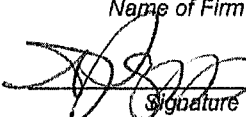
School District Representatives:

Program Manager: Ronald S. Holt  1/21/2022
Print Name Signature Date

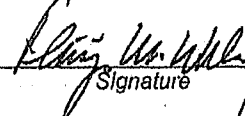
Project Manager(s): _____
Print Name Signature Date

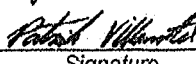
Individual School Project Officer(s) (See Attachment 1)

Third Party Sampling Firm: TTI Environmental Inc
(N/A if Third Party not Involved) Name of Firm

Tim Popp  7/15/21
Print Name Signature Date

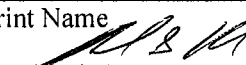
Laboratory: EMSL Analytical, Inc.
Name of Laboratory

Laboratory Manager: Phillip M. Warby  07/13/2021
Print Name Signature Date

Laboratory QA Officer: Patrick Villarante  07/08/21
Print Name Signature Date

For additional laboratories conducting sampling and/or analysis, use additional sheet for sign-off.

Attachment F – Pre-Sampling Water Use Certification

TO BE COMPLETED BY ASSIGNED REPRESENTATIVE:		
School Name:	<u>Delaware Avenue School</u>	
Sample collection address:	<u>301 Delaware Avenue, Palmyra, NJ</u>	
Water was last used:	Time: <u>2:30pm</u>	Date: <u>12/27/2021</u>
Sample commencement:	Time: <u>7:55 am</u>	Date: <u>12/28/2021</u>
Sample completion	Time: <u>8:00 am</u>	Date: <u>12/28/2021</u>
I have read the Palmyra Township School District Lead Drinking Water Testing Sampling Plan and Quality Assurance Project Plan and I am certifying that samples were collected in accordance with these plans.		
Ronald S. Holt	CEFM	
Print Name	Title/Position	
	<u>1/21/22</u>	
Signature	Date	



EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

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

Attn:

Tim Popp
TTI Environmental Inc.
1253 North Church Street
Moorestown, NJ 08057

1/14/2022

Phone: (856) 840-8800
Fax: (856) 840-8815

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 12/28/2021. The results are tabulated on the attached data pages for the following client designated project:

21-399/Delaware Ave School

The reference number for these samples is EMSL Order #012200358. 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.

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077
 Phone/Fax: (856) 303-2500 / (856) 858-4571
<http://www.EMSL.com> EnvChemistry2@emsl.com

EMSL Order: 012200358
 CustomerID: TTIE54
 CustomerPO: 034084
 ProjectID:

Attn: **Tim Popp**
TTI Environmental Inc.
1253 North Church Street
Moorestown, NJ 08057

Phone: (856) 840-8800
 Fax: (856) 840-8815
 Received: 12/28/2021 10:30 AM

Project: 21-399/Delaware Ave School

Analytical Results

Client Sample Description 1 / PH-WC-H12-1 / Hall Outside Room 12 **Collected:** 12/28/2021 8:00:00 AM **Lab ID:** 012200358-0001

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	32.3	1.00 µg/L	1/11/2022 KB	1/12/2022 VD 14:52

Client Sample Description 2 / PH-BF-H12-1B / Hall Outside Room 12 **Collected:** 12/28/2021 8:00:00 AM **Lab ID:** 012200358-0002

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	1/11/2022 KB	1/12/2022 VD 14:57

Client Sample Description 3 / PH-SW-FAC-2 / Faculty Lounge **Collected:** 12/28/2021 7:55:00 AM **Lab ID:** 012200358-0003

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	2.62	1.00 µg/L	1/11/2022 KB	1/12/2022 VD 14:58

Client Sample Description 3B / PH-FW-FAC-3 / Faculty Lounge **Collected:** 12/28/2021 7:55:00 AM **Lab ID:** 012200358-0004

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	1/11/2022 KB	1/12/2022 VD 15:03

Client Sample Description 4 / PH-IM-FAC-3B / Faculty Lounge **Collected:** 12/28/2021 7:55:00 AM **Lab ID:** 012200358-0005

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	1/11/2022 KB	1/12/2022 VD 15:04

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077
 Phone/Fax: (856) 303-2500 / (856) 858-4571
<http://www.EMSL.com> EnvChemistry2@emsl.com

EMSL Order: 012200358
 CustomerID: TTIE54
 CustomerPO: 034084
 ProjectID:

Attn: **Tim Popp**
TTI Environmental Inc.
1253 North Church Street
Moorestown, NJ 08057

Phone: (856) 840-8800
 Fax: (856) 840-8815
 Received: 12/28/2021 10:30 AM

Project: 21-399/Delaware Ave School

Analytical Results

Client Sample Description 4B/ PH-WC-HFR-4 / Hall Outside Faculty Room **Collected:** 12/28/2021 8:00:00 AM **Lab ID:** 012200358-0006

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	1/11/2022 KB	1/12/2022 VD 15:06

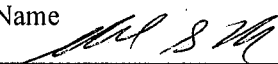
Client Sample Description 5 / Field Blank **Collected:** 12/28/2021 **Lab ID:** 012200358-0007

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	1/11/2022 KB	1/12/2022 VD 15:07

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

Attachment F – Pre-Sampling Water Use Certification

TO BE COMPLETED BY ASSIGNED REPRESENTATIVE:	
School Name:	<u>Charles Street School</u>
Sample collection address:	<u>100 West Charles Street, Palmyra, NJ</u>
Water was last used:	Time: <u>2:30pm</u> Date: <u>12/27/2021</u>
Sample commencement:	Time: <u>9:15 am</u> Date: <u>12/28/2021</u>
Sample completion	Time: <u>9:42 am</u> Date: <u>12/28/2021</u>
I have read the Palmyra Township School District Lead Drinking Water Testing Sampling Plan and Quality Assurance Project Plan and I am certifying that samples were collected in accordance with these plans.	
Ronald S. Holt	CEFM
Print Name	Title/Position
	<u>1/21/22</u>
Signature	Date



EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

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

Attn:

Tim Popp
TTI Environmental Inc.
1253 North Church Street
Moorestown, NJ 08057

1/14/2022

Phone: (856) 840-8800
Fax: (856) 840-8815

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 12/28/2021. The results are tabulated on the attached data pages for the following client designated project:

21-399/Charles St School

The reference number for these samples is EMSL Order #012200255. 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.

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077
 Phone/Fax: (856) 303-2500 / (856) 858-4571
<http://www.EMSL.com> EnvChemistry2@emsl.com

EMSL Order: 012200255
 CustomerID: TTIE54
 CustomerPO: 034084
 ProjectID:

Attn: **Tim Popp**
TTI Environmental Inc.
1253 North Church Street
Moorestown, NJ 08057

Phone: (856) 840-8800
 Fax: (856) 840-8815
 Received: 12/28/2021 10:30 AM

Project: 21-399/Charles St School

Analytical Results

Client Sample Description 1 CS-WC-HMO-1
 Hall near Main Office
Collected: 12/28/2021 9:15:00 AM
Lab ID: 012200255-0001

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	1/11/2022 KB	1/12/2022 VD 13:21

Client Sample Description 1B CS-WC-HMO-1B
 Hall near Main Office
Collected: 12/28/2021 9:16:00 AM
Lab ID: 012200255-0002

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	1/11/2022 KB	1/12/2022 VD 13:25

Client Sample Description 2 CS-SB-R01-2
 Room 1
Collected: 12/28/2021 9:17:00 AM
Lab ID: 012200255-0003

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	1/11/2022 KB	1/12/2022 VD 13:27

Client Sample Description 3 CS-SB-R07-3
 Room 7
Collected: 12/28/2021 9:20:00 AM
Lab ID: 012200255-0004

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	1/11/2022 KB	1/12/2022 VD 13:28

Client Sample Description 6 CS-WC-HR4-6
 Hall near Room 4
Collected: 12/28/2021 9:20:00 AM
Lab ID: 012200255-0005

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	1/11/2022 KB	1/12/2022 VD 13:30

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077
 Phone/Fax: (856) 303-2500 / (856) 858-4571
<http://www.EMSL.com> EnvChemistry2@emsl.com

EMSL Order: 012200255
 CustomerID: TTIE54
 CustomerPO: 034084
 ProjectID:

Attn: **Tim Popp**
TTI Environmental Inc.
1253 North Church Street
Moorestown, NJ 08057

Phone: (856) 840-8800
 Fax: (856) 840-8815
 Received: 12/28/2021 10:30 AM

Project: 21-399/Charles St School

Analytical Results

Client Sample Description 6B CS-BF-HR4-6B **Collected:** 12/28/2021 **Lab ID:** 012200255-0006
 Hall near Room 4 9:21:00 AM

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	1/11/2022 KB	1/12/2022 VD 13:34

Client Sample Description 7 CS-WC-HCR-7 **Collected:** 12/28/2021 **Lab ID:** 012200255-0007
 Hall near Conf. Room 9:22:00 AM

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	1/11/2022 KB	1/12/2022 VD 13:36

Client Sample Description 8 CS-HJC-8 **Collected:** 12/28/2021 **Lab ID:** 012200255-0008
 Hall near Janitor Closet 9:22:00 AM

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	1/11/2022 KB	1/12/2022 VD 13:37

Client Sample Description 8B CS-BF-HJC-8B **Collected:** 12/28/2021 **Lab ID:** 012200255-0009
 Hall near Janitor Closet 9:25:00 AM

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	1/11/2022 KB	1/12/2022 VD 13:39

Client Sample Description 9 CS-SB-R34-9 **Collected:** 12/28/2021 **Lab ID:** 012200255-0010
 Room 34 9:26:00 AM

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	1.07	1.00 µg/L	1/11/2022 KB	1/12/2022 VD 13:40

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077
 Phone/Fax: (856) 303-2500 / (856) 858-4571
<http://www.EMSL.com> EnvChemistry2@emsl.com

EMSL Order: 012200255
 CustomerID: TTIE54
 CustomerPO: 034084
 ProjectID:

Attn: **Tim Popp**
TTI Environmental Inc.
1253 North Church Street
Moorestown, NJ 08057

Phone: (856) 840-8800
 Fax: (856) 840-8815
 Received: 12/28/2021 10:30 AM

Project: 21-399/Charles St School

Analytical Results

<i>Client Sample Description</i>		<i>Collected:</i>	<i>Lab ID:</i>		
10 CS-SB-R33-10 Room 33		12/28/2021 9:28:00 AM	012200255-0011		
<i>Method</i>	<i>Parameter</i>	<i>Result</i>	<i>RL Units</i>	<i>Prep Date & Analyst</i>	<i>Analysis Date & Analyst</i>
METALS					
200.8	Lead	1.05	1.00 µg/L	1/11/2022 KB	1/12/2022 VD 13:42
<i>Client Sample Description</i>		<i>Collected:</i>	<i>Lab ID:</i>		
11 CS-SB-R21-11 Room 21		12/28/2021 9:30:00 AM	012200255-0012		
<i>Method</i>	<i>Parameter</i>	<i>Result</i>	<i>RL Units</i>	<i>Prep Date & Analyst</i>	<i>Analysis Date & Analyst</i>
METALS					
200.8	Lead	ND	1.00 µg/L	1/11/2022 KB	1/12/2022 JW 20:59
<i>Client Sample Description</i>		<i>Collected:</i>	<i>Lab ID:</i>		
12 CS-SB-R31-12 Room 31		12/28/2021 9:32:00 AM	012200255-0013		
<i>Method</i>	<i>Parameter</i>	<i>Result</i>	<i>RL Units</i>	<i>Prep Date & Analyst</i>	<i>Analysis Date & Analyst</i>
METALS					
200.8	Lead	ND	1.00 µg/L	1/11/2022 KB	1/12/2022 VD 13:46
<i>Client Sample Description</i>		<i>Collected:</i>	<i>Lab ID:</i>		
13 CS-SB-R23-13 Room 23		12/28/2021 9:33:00 AM	012200255-0014		
<i>Method</i>	<i>Parameter</i>	<i>Result</i>	<i>RL Units</i>	<i>Prep Date & Analyst</i>	<i>Analysis Date & Analyst</i>
METALS					
200.8	Lead	ND	1.00 µg/L	1/11/2022 KB	1/12/2022 VD 13:47
<i>Client Sample Description</i>		<i>Collected:</i>	<i>Lab ID:</i>		
14 CS-SB-R30-14 Room 30		12/28/2021 9:34:00 AM	012200255-0015		
<i>Method</i>	<i>Parameter</i>	<i>Result</i>	<i>RL Units</i>	<i>Prep Date & Analyst</i>	<i>Analysis Date & Analyst</i>
METALS					
200.8	Lead	ND	1.00 µg/L	1/11/2022 KB	1/12/2022 VD 13:52

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077
 Phone/Fax: (856) 303-2500 / (856) 858-4571
<http://www.EMSL.com> EnvChemistry2@emsl.com

EMSL Order: 012200255
 CustomerID: TTIE54
 CustomerPO: 034084
 ProjectID:

Attn: **Tim Popp**
TTI Environmental Inc.
1253 North Church Street
Moorestown, NJ 08057

Phone: (856) 840-8800
 Fax: (856) 840-8815
 Received: 12/28/2021 10:30 AM

Project: 21-399/Charles St School

Analytical Results

Client Sample Description 15 CS-SB-R24-15 Room 24
Collected: 12/28/2021 9:34:00 AM
Lab ID: 012200255-0016

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	1/11/2022 KB	1/12/2022 VD 13:53

Client Sample Description 16 CS-SB-R29-16 Room 29
Collected: 12/28/2021 9:34:00 AM
Lab ID: 012200255-0017

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	1.65	1.00 µg/L	1/11/2022 KB	1/12/2022 VD 13:55

Client Sample Description 17 CS-SB-R25-17 Room 25
Collected: 12/28/2021 9:35:00 AM
Lab ID: 012200255-0018

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	1/11/2022 KB	1/12/2022 VD 13:56

Client Sample Description 18 CS-SB-R28-18 Room 28
Collected: 12/28/2021 9:35:00 AM
Lab ID: 012200255-0019

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	1/11/2022 KB	1/12/2022 VD 13:58

Client Sample Description 19 CS-SB-R26-19 Room 26
Collected: 12/28/2021 9:35:00 AM
Lab ID: 012200255-0020

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	1/11/2022 KB	1/12/2022 JW 21:01

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077
 Phone/Fax: (856) 303-2500 / (856) 858-4571
<http://www.EMSL.com> EnvChemistry2@emsl.com

EMSL Order: 012200255
 CustomerID: TTIE54
 CustomerPO: 034084
 ProjectID:

Attn: **Tim Popp**
TTI Environmental Inc.
1253 North Church Street
Moorestown, NJ 08057

Phone: (856) 840-8800
 Fax: (856) 840-8815
 Received: 12/28/2021 10:30 AM

Project: 21-399/Charles St School

Analytical Results

<i>Client Sample Description</i>		<i>Collected:</i>	<i>Lab ID:</i>		
20 CS-SB-27-20 Room 27		12/28/2021 9:38:00 AM	012200255-0021		
<i>Method</i>	<i>Parameter</i>	<i>Result</i>	<i>RL Units</i>	<i>Prep Date & Analyst</i>	<i>Analysis Date & Analyst</i>
METALS					
200.8	Lead	1.54	1.00 µg/L	1/11/2022 KB	1/12/2022 VD 13:59
<i>Client Sample Description</i>		<i>Collected:</i>	<i>Lab ID:</i>		
21 CS-WC-HR27-21 Hall near Room 27		12/28/2021 9:38:00 AM	012200255-0022		
<i>Method</i>	<i>Parameter</i>	<i>Result</i>	<i>RL Units</i>	<i>Prep Date & Analyst</i>	<i>Analysis Date & Analyst</i>
METALS					
200.8	Lead	ND	1.00 µg/L	1/11/2022 KB	1/12/2022 VD 14:01
<i>Client Sample Description</i>		<i>Collected:</i>	<i>Lab ID:</i>		
21B CS-BF-HR27-21B Hall near Room 27		12/28/2021 9:38:00 AM	012200255-0023		
<i>Method</i>	<i>Parameter</i>	<i>Result</i>	<i>RL Units</i>	<i>Prep Date & Analyst</i>	<i>Analysis Date & Analyst</i>
METALS					
200.8	Lead	ND	1.00 µg/L	1/11/2022 KB	1/12/2022 VD 19:49
<i>Client Sample Description</i>		<i>Collected:</i>	<i>Lab ID:</i>		
22 CS-SF-FAC-22 Faculty Dining		12/28/2021 9:40:00 AM	012200255-0024		
<i>Method</i>	<i>Parameter</i>	<i>Result</i>	<i>RL Units</i>	<i>Prep Date & Analyst</i>	<i>Analysis Date & Analyst</i>
METALS					
200.8	Lead	1.55	1.00 µg/L	1/11/2022 KB	1/12/2022 VD 19:53
<i>Client Sample Description</i>		<i>Collected:</i>	<i>Lab ID:</i>		
23 CS-FW-FAC-23 Faculty Dining		12/28/2021 9:40:00 AM	012200255-0025		
<i>Method</i>	<i>Parameter</i>	<i>Result</i>	<i>RL Units</i>	<i>Prep Date & Analyst</i>	<i>Analysis Date & Analyst</i>
METALS					
200.8	Lead	ND	1.00 µg/L	1/11/2022 KB	1/12/2022 VD 19:55

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077
 Phone/Fax: (856) 303-2500 / (856) 858-4571
<http://www.EMSL.com> EnvChemistry2@emsl.com

EMSL Order: 012200255
 CustomerID: TTIE54
 CustomerPO: 034084
 ProjectID:

Attn: **Tim Popp**
TTI Environmental Inc.
1253 North Church Street
Moorestown, NJ 08057

Phone: (856) 840-8800
 Fax: (856) 840-8815
 Received: 12/28/2021 10:30 AM

Project: 21-399/Charles St School

Analytical Results

<i>Client Sample Description</i>		<i>Collected:</i>	<i>Lab ID:</i>				
23B CS-IM-FAC-23B Faculty Dining		12/28/2021 9:40:00 AM	012200255-0026				
<i>Method</i>	<i>Parameter</i>	<i>Result</i>	<i>RL Units</i>	<i>Prep Date & Analyst</i>		<i>Analysis Date & Analyst</i>	
METALS							
200.8	Lead	ND	1.00 µg/L	1/11/2022	KB	1/12/2022 19:56	VD
<i>Client Sample Description</i>		<i>Collected:</i>	<i>Lab ID:</i>				
24 CS-IM-KIT-24 Kitchen		12/28/2021 9:42:00 AM	012200255-0027				
<i>Method</i>	<i>Parameter</i>	<i>Result</i>	<i>RL Units</i>	<i>Prep Date & Analyst</i>		<i>Analysis Date & Analyst</i>	
METALS							
200.8	Lead	ND	1.00 µg/L	1/11/2022	KB	1/12/2022 19:58	VD
<i>Client Sample Description</i>		<i>Collected:</i>	<i>Lab ID:</i>				
25 CS-PF-KIT-25 Kitchen		12/28/2021 9:42:00 AM	012200255-0028				
<i>Method</i>	<i>Parameter</i>	<i>Result</i>	<i>RL Units</i>	<i>Prep Date & Analyst</i>		<i>Analysis Date & Analyst</i>	
METALS							
200.8	Lead	2.26	1.00 µg/L	1/11/2022	KB	1/12/2022 19:59	VD
<i>Client Sample Description</i>		<i>Collected:</i>	<i>Lab ID:</i>				
26 CS-SF-KIT-26 Kitchen		12/28/2021 9:42:00 AM	012200255-0029				
<i>Method</i>	<i>Parameter</i>	<i>Result</i>	<i>RL Units</i>	<i>Prep Date & Analyst</i>		<i>Analysis Date & Analyst</i>	
METALS							
200.8	Lead	1.58	1.00 µg/L	1/11/2022	KB	1/12/2022 20:01	VD
<i>Client Sample Description</i>		<i>Collected:</i>	<i>Lab ID:</i>				
Field Blank		12/28/2021	012200255-0030				
<i>Method</i>	<i>Parameter</i>	<i>Result</i>	<i>RL Units</i>	<i>Prep Date & Analyst</i>		<i>Analysis Date & Analyst</i>	
METALS							
200.8	Lead	ND	1.00 µg/L	1/11/2022	KB	1/12/2022 20:05	VD



EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

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

<http://www.EMSL.com>

EnvChemistry2@emsl.com

EMSL Order:	012200255
CustomerID:	TTIE54
CustomerPO:	034084
ProjectID:	

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

Attachment F – Pre-Sampling Water Use Certification

TO BE COMPLETED BY ASSIGNED REPRESENTATIVE:		
School Name:	<u>Palmyra High School</u>	
Sample collection address:	<u>311 West Fifth Street, Palmyra, NJ</u>	
Water was last used:	Time: <u>2:30pm</u>	Date: <u>12/27/2021</u>
Sample commencement:	Time: <u>8:15 am</u>	Date: <u>12/28/2021</u>
Sample completion	Time: <u>8:40 am</u>	Date: <u>12/28/2021</u>
I have read the Palmyra Township School District Lead Drinking Water Testing Sampling Plan and Quality Assurance Project Plan and I am certifying that samples were collected in accordance with these plans.		
Ronald S. Holt	CEFM	
Print Name		Title/Position <u>1/21/22</u>
Signature	Date	



EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

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

Attn:

**Tim Popp
TTI Environmental Inc.
1253 North Church Street
Moorestown, NJ 08057**

1/17/2022

Phone: (856) 840-8800
Fax: (856) 840-8815

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 12/28/2021. The results are tabulated on the attached data pages for the following client designated project:

21-399/Palmyra High School

The reference number for these samples is EMSL Order #012200361. 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

Report amended 01/17/2022 13:13:40 Replaces initial report from 01/17/2022 13:10:49 Rev reported
Report amended 01/17/2022 13:22:19 Replaces amended report from 01/17/2022 13:13:40

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.

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077
 Phone/Fax: (856) 303-2500 / (856) 858-4571
<http://www.EMSL.com> EnvChemistry2@emsl.com

EMSL Order: 012200361
 CustomerID: TTIE54
 CustomerPO: 034084
 ProjectID:

Attn: **Tim Popp**
TTI Environmental Inc.
1253 North Church Street
Moorestown, NJ 08057

Phone: (856) 840-8800
 Fax: (856) 840-8815
 Received: 12/28/2021 10:30 AM

Project: 21-399/Palmyra High School

Analytical Results

<i>Client Sample Description</i>		<i>Collected:</i>		<i>Lab ID:</i>	
1 / PH-WC-H12-1 / Hall Outside Room 12		12/28/2021 8:15:00 AM		012200361-0001	
<i>Method</i>	<i>Parameter</i>	<i>Result</i>	<i>RL Units</i>	<i>Prep Date & Analyst</i>	<i>Analysis Date & Analyst</i>
METALS					
200.8	Lead	ND	1.00 µg/L	1/11/2022 KB	1/12/2022 VD 15:12
1B / PH-BF-H12-1B / Hall Outside Room 12		12/28/2021 8:15:00 AM		012200361-0002	
<i>Method</i>	<i>Parameter</i>	<i>Result</i>	<i>RL Units</i>	<i>Prep Date & Analyst</i>	<i>Analysis Date & Analyst</i>
METALS					
200.8	Lead	ND	1.00 µg/L	1/11/2022 KB	1/12/2022 VD 15:13
2 / PH-SW-FAC-2 / Faculty Lounge		12/28/2021 8:18:00 AM		012200361-0003	
<i>Method</i>	<i>Parameter</i>	<i>Result</i>	<i>RL Units</i>	<i>Prep Date & Analyst</i>	<i>Analysis Date & Analyst</i>
METALS					
200.8	Lead	2.47	1.00 µg/L	1/11/2022 KB	1/12/2022 VD 15:21
3 / PH-FW-FAC-3 / Faculty Lounge		12/28/2021 8:18:00 AM		012200361-0004	
<i>Method</i>	<i>Parameter</i>	<i>Result</i>	<i>RL Units</i>	<i>Prep Date & Analyst</i>	<i>Analysis Date & Analyst</i>
METALS					
200.8	Lead	ND	1.00 µg/L	1/11/2022 KB	1/12/2022 VD 15:22
3B / PH-IM-FAC-3B / Faculty Lounge		12/28/2021 8:18:00 AM		012200361-0005	
<i>Method</i>	<i>Parameter</i>	<i>Result</i>	<i>RL Units</i>	<i>Prep Date & Analyst</i>	<i>Analysis Date & Analyst</i>
METALS					
200.8	Lead	ND	1.00 µg/L	1/12/2022 KB	1/13/2022 JW 15:44

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077
 Phone/Fax: (856) 303-2500 / (856) 858-4571
<http://www.EMSL.com> EnvChemistry2@emsl.com

EMSL Order:	012200361
CustomerID:	TTIE54
CustomerPO:	034084
ProjectID:	

Attn: **Tim Popp**
TTI Environmental Inc.
1253 North Church Street
Moorestown, NJ 08057

Phone: (856) 840-8800
 Fax: (856) 840-8815
 Received: 12/28/2021 10:30 AM

Project: **21-399/Palmyra High School**

Analytical Results

Client Sample Description 4 / PH-WC-HFR-4/ Hall Outside Faculty Room **Collected:** 12/28/2021 8:19:00 AM **Lab ID:** 012200361-0006

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	1/11/2022 KB	1/12/2022 VD 15:23

Client Sample Description 5 / PH-WC-HFR-5/ Hall Outside Faculty Room **Collected:** 12/28/2021 8:20:00 AM **Lab ID:** 012200361-0007

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	1/11/2022 KB	1/12/2022 VD 15:25

Client Sample Description 5B / PH-BF-HFR-5B/ Hall Outside Faculty Room **Collected:** 12/28/2021 8:20:00 AM **Lab ID:** 012200361-0008

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	1/11/2022 KB	1/12/2022 VD 15:26

Client Sample Description 6 / PH-SF-NUR-6 / Nurse **Collected:** 12/28/2021 8:21:00 AM **Lab ID:** 012200361-0009

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	3.65	1.00 µg/L	1/11/2022 KB	1/12/2022 VD 15:28

Client Sample Description 7 / PH-IM-KIT-7 / Kitchen **Collected:** 12/28/2021 8:24:00 AM **Lab ID:** 012200361-0010

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	1/11/2022 KB	1/12/2022 VD 15:29

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077
 Phone/Fax: (856) 303-2500 / (856) 858-4571
<http://www.EMSL.com> EnvChemistry2@emsl.com

EMSL Order: 012200361
 CustomerID: TTIE54
 CustomerPO: 034084
 ProjectID:

Attn: **Tim Popp**
TTI Environmental Inc.
1253 North Church Street
Moorestown, NJ 08057

Phone: (856) 840-8800
 Fax: (856) 840-8815
 Received: 12/28/2021 10:30 AM

Project: 21-399/Palmyra High School

Analytical Results

Client Sample Description 8 / PH-PF-KIT-8 / Kitchen **Collected:** 12/28/2021 8:24:00 AM **Lab ID:** 012200361-0011

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	3.01	1.00 µg/L	1/11/2022 KB	1/12/2022 VD 15:31

Client Sample Description 9 / PH-SF-KIT-9 / Kitchen **Collected:** 12/28/2021 8:24:00 AM **Lab ID:** 012200361-0012

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	1.25	1.00 µg/L	1/11/2022 KB	1/12/2022 VD 15:32

Client Sample Description 10 / PH-WC-HBL-10 / Hall Outside Boys Lockers **Collected:** 12/28/2021 8:25:00 AM **Lab ID:** 012200361-0013

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	3.35	1.00 µg/L	1/11/2022 KB	1/12/2022 VD 14:10

Client Sample Description 11 / PH-WC-H113B-11 / Hall Outside Room 113B **Collected:** 12/28/2021 8:28:00 AM **Lab ID:** 012200361-0014

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	1/11/2022 KB	1/12/2022 VD 14:14

Client Sample Description 11B / PH-BF-H113B-11B / Hall Outside Room 113B **Collected:** 12/28/2021 8:28:00 AM **Lab ID:** 012200361-0015

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	1/13/2022 KB	1/14/2022 KB 02:26

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077
 Phone/Fax: (856) 303-2500 / (856) 858-4571
<http://www.EMSL.com> EnvChemistry2@emsl.com

EMSL Order:	012200361
CustomerID:	TTIE54
CustomerPO:	034084
ProjectID:	

Attn: **Tim Popp**
TTI Environmental Inc.
1253 North Church Street
Moorestown, NJ 08057

Phone: (856) 840-8800
 Fax: (856) 840-8815
 Received: 12/28/2021 10:30 AM

Project: 21-399/Palmyra High School

Analytical Results

Client Sample Description 12 / PH-WC-H112-12 / Hall Outside Room 112 **Collected:** 12/28/2021 8:30:00 AM **Lab ID:** 012200361-0016

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	1/11/2022 KB	1/12/2022 VD 14:16

Client Sample Description 12B / PH-BF-H112-12B / Hall Outside Room 112 **Collected:** 12/28/2021 8:30:00 AM **Lab ID:** 012200361-0017

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	1/11/2022 KB	1/12/2022 VD 14:17

Client Sample Description 13 / PH-WC-H103-13 / Hall Outside Room 103 **Collected:** 12/28/2021 8:33:00 AM **Lab ID:** 012200361-0018

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	1/11/2022 KB	1/12/2022 VD 14:18

Client Sample Description 13B / PH-BF-H103-13B / Hall Outside Room 103 **Collected:** 12/28/2021 8:33:00 AM **Lab ID:** 012200361-0019

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	1/11/2022 KB	1/12/2022 VD 14:20

Client Sample Description 14 / PH-WC-H203-14 / Hall Outside Room 203 **Collected:** 12/28/2021 8:35:00 AM **Lab ID:** 012200361-0020

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	1/11/2022 KB	1/12/2022 VD 14:21

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077
 Phone/Fax: (856) 303-2500 / (856) 858-4571
<http://www.EMSL.com> EnvChemistry2@emsl.com

EMSL Order: 012200361
 CustomerID: TTIE54
 CustomerPO: 034084
 ProjectID:

Attn: **Tim Popp**
TTI Environmental Inc.
1253 North Church Street
Moorestown, NJ 08057

Phone: (856) 840-8800
 Fax: (856) 840-8815
 Received: 12/28/2021 10:30 AM

Project: 21-399/Palmyra High School

Analytical Results

Client Sample Description 14B / PH-BF-H203-14B / Hall Outside Room 203 **Collected:** 12/28/2021 8:35:00 AM **Lab ID:** 012200361-0021

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	1/11/2022 KB	1/12/2022 VD 14:23

Client Sample Description 15 / PH-SF-2FR-15 / 2nd Floor Faculty Room **Collected:** 12/28/2021 8:35:00 AM **Lab ID:** 012200361-0022

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	7.62	1.00 µg/L	1/11/2022 KB	1/12/2022 VD 14:27

Client Sample Description 16 / PH-WC-H103-13 / Hall Outside Room 212 **Collected:** 12/28/2021 8:38:00 AM **Lab ID:** 012200361-0023

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	1/11/2022 KB	1/12/2022 VD 14:29

Client Sample Description 16B / PH-BF-H103-13B / Hall Outside Room 212 **Collected:** 12/28/2021 8:38:00 AM **Lab ID:** 012200361-0024

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	1/11/2022 KB	1/12/2022 VD 14:30

Client Sample Description 17 / PH-WC-H103-13 / Hall Outside Room 213 **Collected:** 12/28/2021 8:40:00 AM **Lab ID:** 012200361-0025

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	1/11/2022 KB	1/12/2022 VD 14:35

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077
 Phone/Fax: (856) 303-2500 / (856) 858-4571
<http://www.EMSL.com> EnvChemistry2@emsl.com

EMSL Order: 012200361
 CustomerID: TTIE54
 CustomerPO: 034084
 ProjectID:

Attn: **Tim Popp**
TTI Environmental Inc.
1253 North Church Street
Moorestown, NJ 08057

Phone: (856) 840-8800
 Fax: (856) 840-8815
 Received: 12/28/2021 10:30 AM

Project: 21-399/Palmyra High School

Analytical Results

Client Sample Description 17B / PH-BF-H103-13B / Hall Outside Room 213 **Collected:** 12/28/2021 8:40:00 AM **Lab ID:** 012200361-0026

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	1/11/2022 KB	1/12/2022 VD 14:36

Client Sample Description Field Blank **Collected:** 12/28/2021 **Lab ID:** 012200361-0027

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	1/11/2022 KB	1/12/2022 VD 14:38

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