



TTI ENVIRONMENTAL, INC
Consulting & Contracting

1253 North Church Street, Moorestown, NJ 08057
www.ttienv.com o 856-840-8800 f 856-840-8815

February 17, 2022

Mr. Dan Fox
Waterford Township School District
1106 Old White Horse Pike
Waterford, NJ 08089

Reference: Lead in Water Testing ESCNJ #19/20-31
Waterford Township School District
TTI Project No. 21-343

Dear Mr. Fox:

Thank you for selecting TTI Environmental, Inc. (TTI) for your environmental needs. This correspondence is being forwarded to report the results of the Lead in Water Testing conducted for your district.

1.0 Introduction

TTI followed the recommended practices outlined in the Environmental Protection Agency (EPA) 3 T's for Reducing Lead in Drinking Water October 2006, New Jersey Department of Environmental Protection (NJDEP) Division of Water Supply & Geoscience – Lead in Drinking Water: Guidance for Schools & Child Care Facilities. The protocol, which consists of an established sample size volume and water retention time, is designed to identify lead problems at outlets and upstream plumbing within school facilities, and in the water entering the facility.

The initial sampling was conducted on December 2nd and 7th, 2021, and Samples were collected from bubblers, fountains, and other outlets used for consumption and were all first-draw samples (i.e., the stagnant water is sampled before any use occurs). The goal is to compare the lead level of water from your facility's service connection to water that has remained stagnant between 8 and 48 hours in an outlet or fixture.

2.0 Summary

The results of the initial sampling revealed that the below location(s) tested had elevated sources above the standard as set forth in NJAC 6A:26-1.2 and 12.4 of 15 parts per billion (ppb). The following fixture(s) were immediately removed from service:

Waterford Elementary School
Nurse's Office – Ice Machine

Thomas Richards Elementary School
Kitchen – Sink Faucet 1A



After reporting the results, it was indicated that the Kitchen Sink in Thomas Richards Elementary School would be labeled for Handwashing Only, and the Ice Machine in the Waterford Elementary School Nurse's Office would be used for Ice Packs only, and would be labeled as being not for potable use.

The following attachments are provided for your review:

- Attachment 1 - Sampling Data and Analytical Results
- Attachment 2 - Excel Spreadsheet of Analytical Results

If you should have any questions or require additional information, please feel free to contact me directly.

Sincerely,

TTI ENVIRONMENTAL, INC.

A handwritten signature in blue ink, appearing to read "Tim Popp". The signature is fluid and cursive, with the first name "Tim" and last name "Popp" clearly distinguishable.

Timothy Popp
Vice President of Consulting



ATTACHMENT 1

Sampling Data and Analytical Results



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

12/17/2021

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

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 12/3/2021. The results are tabulated on the attached data pages for the following client designated project:

21-399/Waterford Elementary

The reference number for these samples is EMSL Order #012113977. 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: 012113977

CustomerID: TTIE54

CustomerPO: 033594

ProjectID:

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

Phone: (856) 840-8800
 Fax: (856) 840-8815
 Received: 12/03/21 9:20 AM

Project: 21-399/Waterford Elementary

Analytical Results

Client Sample Description 1 / WES-SF-BO-K / Board Office Kitchenette **Collected:** 12/2/2021 6:03:00 AM **Lab ID:** 012113977-0001

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	5.06	1.00 µg/L	12/7/2021 KB	12/08/21 0:56 KB

Client Sample Description 2 / WES-WC-HBO / Board Office Hall **Collected:** 12/2/2021 6:02:00 AM **Lab ID:** 012113977-0002

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	7.89	1.00 µg/L	12/7/2021 KB	12/08/21 1:00 KB

Client Sample Description 3 / WES-SF--K1 / Kitchen **Collected:** 12/2/2021 6:05:00 AM **Lab ID:** 012113977-0003

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	1.28	1.00 µg/L	12/7/2021 KB	12/08/21 1:01 KB

Client Sample Description 5 / WES-SF--K2 / Kitchen **Collected:** 12/2/2021 6:06:00 AM **Lab ID:** 012113977-0004

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	6.99	1.00 µg/L	12/7/2021 KB	12/08/21 1:09 KB

Client Sample Description 6 / WES-BF-HLAUNDRY/ Hall Outside Laundry /BottleF **Collected:** 12/2/2021 6:08:00 AM **Lab ID:** 012113977-0005

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	12/7/2021 KB	12/08/21 1:10 KB

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Project: 21-399/Waterford Elementary

Analytical Results

Client Sample Description 7 / WES-SB-306 / Room 306 **Collected:** 12/2/2021 6:19:00 AM **Lab ID:** 012113977-0006

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	7.44	1.00 µg/L	12/7/2021 KB	12/08/21 1:12 KB

Client Sample Description 8 / WES-SB-305 / Room 305 **Collected:** 12/2/2021 6:17:00 AM **Lab ID:** 012113977-0007

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	2.21	1.00 µg/L	12/7/2021 KB	12/08/21 1:13 KB

Client Sample Description 9 / WES-SB-304 / Room 304 **Collected:** 12/2/2021 6:15:00 AM **Lab ID:** 012113977-0008

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	3.78	1.00 µg/L	12/7/2021 KB	12/08/21 1:15 KB

Client Sample Description 10 / WES-SB-303 / Room 303 **Collected:** 12/2/2021 6:14:00 AM **Lab ID:** 012113977-0009

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	9.68	1.00 µg/L	12/7/2021 KB	12/08/21 1:16 KB

Client Sample Description 11 / WES-SB-302 / Room 302 **Collected:** 12/2/2021 6:13:00 AM **Lab ID:** 012113977-0010

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	4.77	1.00 µg/L	12/7/2021 KB	12/08/21 1:18 KB

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EMSL Order: 012113977

CustomerID: TTIE54

CustomerPO: 033594

ProjectID:

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Project: 21-399/Waterford Elementary

Analytical Results

Client Sample Description 12 / WES-SB-301 / Room 301 **Collected:** 12/2/2021 6:11:00 AM **Lab ID:** 012113977-0011

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	6.50	1.00 µg/L	12/7/2021 KB	12/08/21 1:19 KB

Client Sample Description 13 / WES-WC-HCAFE/ Hall by Cafeteria **Collected:** 12/2/2021 6:10:00 AM **Lab ID:** 012113977-0012

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	3.46	1.00 µg/L	12/7/2021 KB	12/08/21 1:26 KB

Client Sample Description 14 / WES-FW-FACULTY / Faculty Lounge **Collected:** 12/2/2021 6:21:00 AM **Lab ID:** 012113977-0013

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	12/7/2021 KB	12/08/21 1:28 KB

Client Sample Description 15 / WES-IM-FACULTY / Faculty Lounge **Collected:** 12/2/2021 6:26:00 AM **Lab ID:** 012113977-0014

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	12/7/2021 KB	12/08/21 1:29 KB

Client Sample Description 15A / WES-SF-FACULTY / Faculty Lounge **Collected:** 12/2/2021 6:26:00 AM **Lab ID:** 012113977-0015

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	12/7/2021 KB	12/08/21 1:31 KB

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EMSL Order:	012113977
CustomerID:	TTIE54
CustomerPO:	033594
ProjectID:	

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Project: 21-399/Waterford Elementary

Analytical Results

Client Sample Description 16 / WES-WC-H211/ Hall Outside Room
 211

Collected: 12/2/2021
 6:28:00 AM
Lab ID: 012113977-0016

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	5.05	1.00 µg/L	12/7/2021 KB	12/08/21 1:32 KB

Client Sample Description 17 / WES-WC-H201/ Hall Outside Room
 201

Collected: 12/2/2021
 6:30:00 AM
Lab ID: 012113977-0017

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	12/7/2021 KB	12/08/21 1:34 KB

Client Sample Description 17A / WES-SB-201 / Room 201

Collected: 12/2/2021
 6:32:00 AM
Lab ID: 012113977-0018

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	3.82	1.00 µg/L	12/7/2021 KB	12/08/21 1:35 KB

Client Sample Description 18 / WES-WC-HMAIN / Hall Outside Main

Collected: 12/2/2021
 6:33:00 AM
Lab ID: 012113977-0019

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	1.96	1.00 µg/L	12/7/2021 KB	12/08/21 1:37 KB

Client Sample Description 19 / WES-SFC-WRMAIN / Work Room

Collected: 12/2/2021
 6:34:00 AM
Lab ID: 012113977-0020

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	3.17	1.00 µg/L	12/7/2021 KB	12/08/21 1:41 KB

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Project: 21-399/Waterford Elementary

Analytical Results

Client Sample Description 20 / WES-IM-NURSE / Nurse's Office **Collected:** 12/2/2021 6:38:00 AM **Lab ID:** 012113977-0021

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
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METALS

200.8	Lead	46.1	1.00 µg/L	12/9/2021 IC	12/10/21 13:48 JW
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Client Sample Description 20A / WES-SF-NURSE / Nurse's Office **Collected:** 12/2/2021 6:36:00 AM **Lab ID:** 012113977-0022

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
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METALS

200.8	Lead	2.91	1.00 µg/L	12/7/2021 KB	12/08/21 0:07 KB
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Client Sample Description 21 / WES-FW-NURSE / Nurse's Office **Collected:** 12/2/2021 6:36:00 AM **Lab ID:** 012113977-0023

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
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METALS

200.8	Lead	1.49	1.00 µg/L	12/7/2021 KB	12/08/21 0:15 KB
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Client Sample Description 22/ WES-WC-HAV / Hall by AV Room **Collected:** 12/2/2021 6:43:00 AM **Lab ID:** 012113977-0024

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
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METALS

200.8	Lead	1.59	1.00 µg/L	12/7/2021 KB	12/08/21 0:16 KB
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Client Sample Description 23 / WES-SB-101 / Room 101 **Collected:** 12/2/2021 6:45:00 AM **Lab ID:** 012113977-0025

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
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METALS

200.8	Lead	ND	1.00 µg/L	12/7/2021 KB	12/08/21 0:17 KB
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EMSL Order: 012113977

CustomerID: TTIE54

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 Received: 12/03/21 9:20 AM

Project: 21-399/Waterford Elementary

Analytical Results

Client Sample Description 24 / WES-SB-110 / Room 110 **Collected:** 12/2/2021 6:59:00 AM **Lab ID:** 012113977-0026

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	1.78	1.00 µg/L	12/7/2021 KB	12/08/21 0:19 KB

Client Sample Description 25 / WES-SB-209 / Room 209 **Collected:** 12/2/2021 7:12:00 AM **Lab ID:** 012113977-0027

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	1.02	1.00 µg/L	12/7/2021 KB	12/08/21 0:20 KB

Client Sample Description 26 / WES-SB-208 / Room 208 **Collected:** 12/2/2021 7:11:00 AM **Lab ID:** 012113977-0028

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	10.9	1.00 µg/L	12/7/2021 KB	12/08/21 0:22 KB

Client Sample Description 27 / WES-SB-202 / Room 202 **Collected:** 12/2/2021 7:01:00 AM **Lab ID:** 012113977-0029

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	13.8	1.00 µg/L	12/7/2021 KB	12/08/21 0:23 KB

Client Sample Description 28 / WES-SB-203 / Room 203 **Collected:** 12/2/2021 7:02:00 AM **Lab ID:** 012113977-0030

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	3.78	1.00 µg/L	12/7/2021 KB	12/08/21 0:25 KB

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EMSL Order: 012113977

CustomerID: TTIE54

CustomerPO: 033594

ProjectID:

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 Fax: (856) 840-8815
 Received: 12/03/21 9:20 AM

Project: 21-399/Waterford Elementary

Analytical Results

Client Sample Description 29 / WES-SB-207 / Room 207 **Collected:** 12/2/2021 7:10:00 AM **Lab ID:** 012113977-0031

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	4.01	1.00 µg/L	12/7/2021 KB	12/08/21 0:26 KB

Client Sample Description 30 / WES-SB-206 / Room 206 **Collected:** 12/2/2021 7:07:00 AM **Lab ID:** 012113977-0032

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	2.31	1.00 µg/L	12/7/2021 KB	12/08/21 0:31 KB

Client Sample Description 31 / WES-SB-204 / Room 204 **Collected:** 12/2/2021 7:05:00 AM **Lab ID:** 012113977-0033

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	4.84	1.00 µg/L	12/7/2021 KB	12/08/21 0:35 KB

Client Sample Description 32 / WES-SB-205 / Room 205 **Collected:** 12/2/2021 7:07:00 AM **Lab ID:** 012113977-0034

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	3.32	1.00 µg/L	12/7/2021 KB	12/08/21 0:37 KB

Client Sample Description 33 / WES-SB-102 / Room 102 **Collected:** 12/2/2021 6:45:00 AM **Lab ID:** 012113977-0035

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	10.5	1.00 µg/L	12/7/2021 KB	12/08/21 0:38 KB

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Analytical Results

Client Sample Description 34 / WES-SB-103 / Room 103 **Collected:** 12/2/2021 6:47:00 AM **Lab ID:** 012113977-0036

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	2.04	1.00 µg/L	12/7/2021 KB	12/08/21 0:39 KB

Client Sample Description 35 / WES-SB-109 / Room 109 **Collected:** 12/2/2021 6:57:00 AM **Lab ID:** 012113977-0037

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	3.76	1.00 µg/L	12/7/2021 KB	12/08/21 0:41 KB

Client Sample Description 36 / WES-SB-108 / Room 108 **Collected:** 12/2/2021 6:56:00 AM **Lab ID:** 012113977-0038

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	3.17	1.00 µg/L	12/7/2021 KB	12/08/21 0:42 KB

Client Sample Description 37 / WES-SB-104 / Room 104 **Collected:** 12/2/2021 6:48:00 AM **Lab ID:** 012113977-0039

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	4.07	1.00 µg/L	12/7/2021 KB	12/08/21 0:44 KB

Client Sample Description 38 / WES-SB-105 / Room 105 **Collected:** 12/2/2021 6:49:00 AM **Lab ID:** 012113977-0040

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	2.05	1.00 µg/L	12/7/2021 KB	12/08/21 0:48 KB

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Project: 21-399/Waterford Elementary

Analytical Results

Client Sample Description 39 / WES-SB-106 / Room 106 **Collected:** 12/2/2021 6:51:00 AM **Lab ID:** 012113977-0041

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	3.55	1.00 µg/L	12/7/2021 KB	12/08/21 0:50 KB

Client Sample Description 40 / WES-SB-107 / Room 107 **Collected:** 12/2/2021 6:54:00 AM **Lab ID:** 012113977-0042

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	4.12	1.00 µg/L	12/7/2021 KB	12/07/21 23:50 KB

Client Sample Description 6B / WES-WC-HLAUNDRY / Hall Outside Laundry
 Bubbler Sample from WC#6 **Collected:** 12/2/2021 7:23:00 AM **Lab ID:** 012113977-0043

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	12/7/2021 KB	12/07/21 23:51 KB

Client Sample Description 41 Field Blank **Collected:** 12/2/2021 5:00:00 AM **Lab ID:** 012113977-0044

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	12/7/2021 KB	12/07/21 23:55 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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12/21/2021

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The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 12/7/2021. The results are tabulated on the attached data pages for the following client designated project:

21-399/Atco Elementary School

The reference number for these samples is EMSL Order #012114090. 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.

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EMSL Order: 012114090
 CustomerID: TTIE54
 CustomerPO: 033954
 ProjectID:

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 Fax: (856) 840-8815
 Received: 12/07/21 1:05 PM

Project: 21-399/Atco Elementary School

Analytical Results

Client Sample Description 1 / AE-SB-1 / Room 1 **Collected:** 12/7/2021 5:35:00 AM **Lab ID:** 012114090-0001

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	6.15	1.00 µg/L	12/8/2021 KB	12/08/21 21:24 KB

Client Sample Description 2 / AE-BF-H2/ Hall Outside of Room 2 **Collected:** 12/7/2021 5:33:00 AM **Lab ID:** 012114090-0002

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	12/8/2021 KB	12/08/21 21:28 KB

Client Sample Description 3 / AE-SB-2 / Room 2 **Collected:** 12/7/2021 5:36:00 AM **Lab ID:** 012114090-0003

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	12/8/2021 KB	12/08/21 21:30 KB

Client Sample Description 4 / AE-SB-3 / Room 3 **Collected:** 12/7/2021 5:37:00 AM **Lab ID:** 012114090-0004

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	12/8/2021 KB	12/08/21 21:31 KB

Client Sample Description 5 / AE-SB-4 / Room 4 **Collected:** 12/7/2021 5:38:00 AM **Lab ID:** 012114090-0005

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	1.04	1.00 µg/L	12/8/2021 KB	12/08/21 21:33 KB

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Project: 21-399/Atco Elementary School

Analytical Results

Client Sample Description 6 / AE-SB-5 / Room 5 **Collected:** 12/7/2021 5:39:00 AM **Lab ID:** 012114090-0006

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	12/8/2021 KB	12/08/21 21:37 KB

Client Sample Description 7 / AE-WC-CAFE / Cafeteria **Collected:** 12/7/2021 5:52:00 AM **Lab ID:** 012114090-0007

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	12/8/2021 KB	12/08/21 21:39 KB

Client Sample Description 8 / AE-SF-K1 / Kitchen (Single) **Collected:** 12/7/2021 5:50:00 AM **Lab ID:** 012114090-0008

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	4.24	1.00 µg/L	12/8/2021 KB	12/08/21 21:40 KB

Client Sample Description 9 / AE-SF-K21 / Kitchen (Double) **Collected:** 12/7/2021 5:51:00 AM **Lab ID:** 012114090-0009

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	3.97	1.00 µg/L	12/8/2021 KB	12/08/21 21:42 KB

Client Sample Description 10 / AE-WC-LOBBY / Main Lobby **Collected:** 12/7/2021 5:48:00 AM **Lab ID:** 012114090-0010

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	1.28	1.00 µg/L	12/8/2021 KB	12/09/21 14:21 KB

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Project: 21-399/Atco Elementary School

Analytical Results

Client Sample Description 11 / AE-SB-65 / Room 6 **Collected:** 12/7/2021 5:40:00 AM **Lab ID:** 012114090-0011

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	4.38	1.00 µg/L	12/8/2021 KB	12/08/21 21:44 KB

Client Sample Description 12 / AE-WC-FACULTY / Faculty Lounge (Rm 10) **Collected:** 12/7/2021 5:46:00 AM **Lab ID:** 012114090-0012

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	12/8/2021 KB	12/08/21 21:49 KB

Client Sample Description 13 / AE-SB-7 / Room 7 **Collected:** 12/7/2021 5:41:00 AM **Lab ID:** 012114090-0013

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	3.14	1.00 µg/L	12/8/2021 KB	12/08/21 21:50 KB

Client Sample Description 14 / AE-SB-8 / Room 8 **Collected:** 12/7/2021 5:42:00 AM **Lab ID:** 012114090-0014

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	1.37	1.00 µg/L	12/8/2021 KB	12/08/21 21:55 KB

Client Sample Description 15 / AE-SB-9 / Room 9 **Collected:** 12/7/2021 5:43:00 AM **Lab ID:** 012114090-0015

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	2.58	1.00 µg/L	12/8/2021 KB	12/08/21 21:56 KB

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Project: 21-399/Atco Elementary School

Analytical Results

Client Sample Description 10 / AE-WC-H10 / Hall Outside of Room 10 **Collected:** 12/7/2021 5:44:00 AM **Lab ID:** 012114090-0016

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	12/8/2021 KB	12/08/21 21:58 KB

Client Sample Description 17 / AE-SB-11 / Room 11 **Collected:** 12/7/2021 5:47:00 AM **Lab ID:** 012114090-0017

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	2.03	1.00 µg/L	12/8/2021 KB	12/08/21 21:59 KB

Client Sample Description 18 / AE-SB-10 / Room 10 **Collected:** 12/7/2021 5:45:00 AM **Lab ID:** 012114090-0018

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	1.17	1.00 µg/L	12/8/2021 KB	12/08/21 22:01 KB

Client Sample Description 2B / AE-WC-H2/ Hall Outside of Room 2 **Collected:** 12/7/2021 5:33:00 AM **Lab ID:** 012114090-0019

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	12/8/2021 KB	12/08/21 22:02 KB

Client Sample Description 19 / Blank **Collected:** 12/7/2021 5:00:00 AM **Lab ID:** 012114090-0020

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	12/8/2021 KB	12/08/21 22:03 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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12/21/2021

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The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 12/7/2021. The results are tabulated on the attached data pages for the following client designated project:

21-399/Thomas Richards

The reference number for these samples is EMSL Order #012114091. 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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Project: 21-399/Thomas Richards

Analytical Results

Client Sample Description 1A / TRE-SF-K1 / Kitchen **Collected:** 12/7/2021 6:07:00 AM **Lab ID:** 012114091-0001

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	4.97	1.00 µg/L	12/8/2021 KB	12/08/21 22:12 KB

Client Sample Description 1 / TRE-FO-K / Kitchen **Collected:** 12/7/2021 6:08:00 AM **Lab ID:** 012114091-0002

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	52.4	1.00 µg/L	12/8/2021 KB	12/08/21 22:17 KB

Client Sample Description 2 / TRE-SF-K / Kitchen **Collected:** 12/7/2021 6:08:00 AM **Lab ID:** 012114091-0003

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	12.4	1.00 µg/L	12/8/2021 KB	12/08/21 22:18 KB

Client Sample Description 3 / TRE-FRIDGE-NURSE/ Nurse's Office **Collected:** 12/7/2021 6:11:00 AM **Lab ID:** 012114091-0004

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	12/8/2021 KB	12/08/21 22:20 KB

Client Sample Description 4 / TRE-IM-NURSE/ Nurse's Office **Collected:** 12/7/2021 6:14:00 AM **Lab ID:** 012114091-0005

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	12/9/2021 IC	12/10/21 14:10 JW

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 Received: 12/07/21 1:05 PM

Project: 21-399/Thomas Richards

Analytical Results

Client Sample Description 5 / TRE-EWSF-NURSE/ Nurse's Office **Collected:** 12/7/2021 6:12:00 AM **Lab ID:** 012114091-0006

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	2.74	1.00 µg/L	12/8/2021 KB	12/08/21 22:21 KB

Client Sample Description 6 / TRE-BF-CAFE / Cafeteria **Collected:** 12/7/2021 6:09:00 AM **Lab ID:** 012114091-0007

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	12/8/2021 KB	12/08/21 22:23 KB

Client Sample Description 7 / TRE-WC-HGYM-L / Hall Outside Gym (Left) **Collected:** 12/7/2021 6:10:00 AM **Lab ID:** 012114091-0008

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	2.52	1.00 µg/L	12/8/2021 KB	12/08/21 22:24 KB

Client Sample Description 8 / TRE-WC-HGYM-R / Hall Outside Gym (Right) **Collected:** 12/7/2021 6:10:00 AM **Lab ID:** 012114091-0009

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	3.71	1.00 µg/L	12/8/2021 KB	12/08/21 22:25 KB

Client Sample Description 10 / TRE-SB-15 / Room 15 **Collected:** 12/7/2021 6:17:00 AM **Lab ID:** 012114091-0010

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	12/8/2021 KB	12/08/21 22:30 KB

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Project: 21-399/Thomas Richards

Analytical Results

Client Sample Description 11 / TRE-SB-13 / Room 13 **Collected:** 12/7/2021 **Lab ID:** 012114091-0011
 6:18:00 AM

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
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METALS

200.8	Lead	3.47	1.00 µg/L	12/9/2021 IC	12/10/21 14:20 JW
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Client Sample Description 14 / TRE-WC-H6-R / Hall Outside Boys & Girls Restr **Collected:** 12/7/2021 **Lab ID:** 012114091-0012
 6:36:00 AM

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
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METALS

200.8	Lead	ND	1.00 µg/L	12/8/2021 KB	12/08/21 22:31 KB
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Client Sample Description 15 / TRE-WC-H6-L / Hall Outside Boys & Girls Restr **Collected:** 12/7/2021 **Lab ID:** 012114091-0013
 6:35:00 AM

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
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METALS

200.8	Lead	ND	1.00 µg/L	12/8/2021 KB	12/08/21 22:33 KB
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Client Sample Description 16 / TRE-SB-10 / Room 10 **Collected:** 12/7/2021 **Lab ID:** 012114091-0014
 6:33:00 AM

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
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METALS

200.8	Lead	10.7	1.00 µg/L	12/9/2021 IC	12/10/21 14:26 JW
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Client Sample Description 17 / TRE-WC-H10-L / Hall Outside Room 10 (Left) **Collected:** 12/7/2021 **Lab ID:** 012114091-0015
 6:33:00 AM

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
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METALS

200.8	Lead	ND	1.00 µg/L	12/8/2021 KB	12/08/21 22:37 KB
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Project: 21-399/Thomas Richards

Analytical Results

Client Sample Description 18 / TRE-WC-H10-R / Hall Outside Room
 10 (Right) **Collected:** 12/7/2021 **Lab ID:** 012114091-0016

6:32:00 AM

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
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METALS

200.8	Lead	ND	1.00 µg/L	12/8/2021 KB	12/08/21 22:39 KB
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Client Sample Description 19 / TRE-SB-12 / Room 12 **Collected:** 12/7/2021 **Lab ID:** 012114091-0017

6:22:00 AM

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
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METALS

200.8	Lead	15.0	1.00 µg/L	12/8/2021 KB	12/08/21 22:40 KB
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Client Sample Description 20 / TRE-SF-5A / Room 5A **Collected:** 12/7/2021 **Lab ID:** 012114091-0018

6:20:00 AM

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
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METALS

200.8	Lead	1.15	1.00 µg/L	12/8/2021 KB	12/08/21 22:42 KB
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Client Sample Description 21 / TRE-SB-14 / Room 14 **Collected:** 12/7/2021 **Lab ID:** 012114091-0019

6:24:00 AM

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
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METALS

200.8	Lead	7.19	1.00 µg/L	12/8/2021 KB	12/08/21 22:43 KB
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Client Sample Description 22 / TRE-SB-16 / Room 16 **Collected:** 12/7/2021 **Lab ID:** 012114091-0020

6:25:00 AM

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
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METALS

200.8	Lead	6.62	1.00 µg/L	12/8/2021 KB	12/08/21 22:48 KB
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Project: 21-399/Thomas Richards

Analytical Results

Client Sample Description 23 / TRE-SB-7 / Room 7 **Collected:** 12/7/2021 6:30:00 AM **Lab ID:** 012114091-0021

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	11.4	1.00 µg/L	12/8/2021 KB	12/08/21 22:49 KB

Client Sample Description 24 / TRE-SB-9 / Room 9 **Collected:** 12/7/2021 6:28:00 AM **Lab ID:** 012114091-0022

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	14.8	1.00 µg/L	12/8/2021 KB	12/08/21 22:50 KB

Client Sample Description 25 / TRE-SB-18 / Room 18 **Collected:** 12/7/2021 6:27:00 AM **Lab ID:** 012114091-0023

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	6.87	1.00 µg/L	12/8/2021 KB	12/08/21 22:52 KB

Client Sample Description 6B / TRE-WC-CAFE / Cafeteria **Collected:** 12/7/2021 6:09:00 AM **Lab ID:** 012114091-0024

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	12/8/2021 KB	12/08/21 23:01 KB

Client Sample Description 26 / Field Blank **Collected:** 12/7/2021 5:00:00 AM **Lab ID:** 012114091-0025

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	12/8/2021 KB	12/08/21 23:08 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



ATTACHMENT 2

Excel Spreadsheet of Analytical Results

Field ID	Concentration in ug/L
1 / WES-SF-BO-K / Board Office Kitchenette	5.06
2 / WES-WC-HBO / Board Office Hall	7.89
3 / WES-SF--K1 / Kitchen	1.28
5 / WES-SF--K2 / Kitchen	6.99
6 / WES-BF-HLAUNDRY/ Hall Outside Laundry /BottleF	<1.00
7 / WES-SB-306 / Room 306	7.44
8 / WES-SB-305 / Room 305	2.21
9 / WES-SB-304 / Room 304	3.78
10 / WES-SB-303 / Room 303	9.68
11 / WES-SB-302 / Room 302	4.77
12 / WES-SB-301 / Room 301	6.50
13 / WES-WC-HCAFE/ Hall by Cafeteria	3.46
14 / WES-FW-FACULTY / Faculty Lounge	<1.00
15 / WES-IM-FACULTY / Faculty Lounge	<1.00
15A / WES-SF-FACULTY / Faculty Lounge	<1.00
16 / WES-WC-H211/ Hall Outside Room 211	5.05
17 / WES-WC-H201/ Hall Outside Room 201	<1.00
17A / WES-SB-201 / Room 201	3.82
18 / WES-WC-HMAIN / Hall Outside Main	1.96
19 / WES-SFC-WRMAIN / Work Room	3.17
20 / WES-IM-NURSE / Nurse's Office	46.1
20A / WES-SF-NURSE / Nurse's Office	2.91
21 / WES-FW-NURSE / Nurse's Office	1.49
22 / WES-WC-HAV / Hall by AV Room	1.59
23 / WES-SB-101 / Room 101	<1.00
24 / WES-SB-110 / Room 110	1.78
25 / WES-SB-209 / Room 209	1.02
26 / WES-SB-208 / Room 208	10.9
27 / WES-SB-202 / Room 202	13.8
28 / WES-SB-203 / Room 203	3.78
29 / WES-SB-207 / Room 207	4.01
30 / WES-SB-206 / Room 206	2.31
31 / WES-SB-204 / Room 204	4.84
32 / WES-SB-205 / Room 205	3.32
33 / WES-SB-102 / Room 102	10.5
34 / WES-SB-103 / Room 103	2.04
35 / WES-SB-109 / Room 109	3.76
36 / WES-SB-108 / Room 108	3.17
37 / WES-SB-104 / Room 104	4.07
38 / WES-SB-105 / Room 105	2.05
39 / WES-SB-106 / Room 106	3.55
40 / WES-SB-107 / Room 107	4.12
6B / WES-WC-HLAUNDRY / Hall Outside Laundry	<1.00
41 Field Blank	<1.00

Field ID	Concentration in ug/L
1 / AE-SB-1 / Room 1	6.15
2 / AE-BF-H2/ Hall Outside of Room 2	<1.00
3 / AE-SB-2 / Room 2	<1.00
4 / AE-SB-3 / Room 3	<1.00
5 / AE-SB-4 / Room 4	1.04
6 / AE-SB-5 / Room 5	<1.00
7 / AE-WC-CAFE / Cafeteria	<1.00
8 / AE-SF-K1 / Kitchen (Single)	4.24
9 / AE-SF-K21 / Kitchen (Double)	3.97
10 / AE-WC-LOBBY / Main Lobby	1.28
11/ AE-SB-65 / Room 6	4.38
12 / AE-WC-FACULTY / Faculty Lounge (Rm 10)	<1.00
13 / AE-SB-7 / Room 7	3.14
14 / AE-SB-8 / Room 8	1.37
15 / AE-SB-9 / Room 9	2.58
10 / AE-WC-H10 / Hall Outside of Room 10	<1.00
17 / AE-SB-11 / Room 11	2.03
18 / AE-SB-10 / Room 10	1.17
2B / AE-WC-H2/ Hall Outside of Room 2	<1.00
19 / Blank	<1.00

Field ID	Concentration in ug/L
1A / TRE-SF-K1 / Kitchen	4.97
1 / TRE-FO-K / Kitchen	52.4
2 / TRE-SF-K / Kitchen	12.4
3 / TRE-FRIDGE-NURSE/ Nurse's Office	<1.00
4 / TRE-IM-NURSE/ Nurse's Office	<1.00
5 / TRE-EWSF-NURSE/ Nurse's Office	2.74
6/ TRE-BF-CAFE / Cafeteria	<1.00
7 / TRE-WC-HGYM-L / Hall Outside Gym (Left)	2.52
8 / TRE-WC-HGYM-R / Hall Outside Gym (Right)	3.71
10 / TRE-SB-15 / Room 15	<1.00
11 / TRE-SB-13 / Room 13	3.47
14 / TRE-WC-H6-R / Hall Outside Boys & Girls Restr	<1.00
15 / TRE-WC-H6-L / Hall Outside Boys & Girls Restr	<1.00
16 / TRE-SB-10 / Room 10	10.7
17 / TRE-WC-H10-L / Hall Outside Room 10 (Left)	<1.00
18 / TRE-WC-H10-R / Hall Outside Room 10 (Right)	<1.00
19 / TRE-SB-12 / Room 12	15.0
20 / TRE-SF-5A / Room 5A	1.15
21 / TRE-SB-14 / Room 14	7.19
22 / TRE-SB-16 / Room 16	6.62
23 / TRE-SB-7 / Room 7	11.4
24 / TRE-SB-9 / Room 9	14.8
25 / TRE-SB-18 / Room 18	6.87
6B / TRE-WC-CAFE / Cafeteria	<1.00
26 / Field Blank	<1.00