



TTI ENVIRONMENTAL, INC
Consulting & Contracting

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

March 17, 2022

Via e-mail: kmathews@quintonschool.info

Ms. Karen Mathews
Quinton Township Board of Education
8 Robinson Street
Quinton, NJ 08072

Reference: Lead in Water Testing ESCNJ #19/20-31
Quinton Township Board of Education
TTI Project No. 21-212

Dear Ms. Mathews:

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 February 17, 2022, 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 none of the 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 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: **Nathanael Roberts**
TTI Environmental Inc.
1253 North Church Street
Moorestown, NJ 08057

3/4/2022

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

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 2/18/2022. The results are tabulated on the attached data pages for the following client designated project:

21-212 / Quinton Elementary

The reference number for these samples is EMSL Order #012202721. 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:

Owen McKenna, 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: 012202721

CustomerID: TTIE54

CustomerPO: 034300

ProjectID:

Attn: **Nathanael Roberts**
TTI Environmental Inc.
1253 North Church Street
Moorestown, NJ 08057

Phone: (856) 840-8800
 Fax: (856) 840-8815
 Received: 02/18/22 1:30 PM

Project: 21-212 / Quinton Elementary

Analytical Results

Client Sample Description 1 / QS-WC-HCUST / Hall at Custodial Closet (1928) **Collected:** 2/17/2022 **Lab ID:** 012202721-0001

6:15:00 AM

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	2/28/2022 VD	02/28/22 16:45 VD

Client Sample Description 2 / QS-SF-FACULTY / Faculty Room (1928) **Collected:** 2/17/2022 **Lab ID:** 012202721-0002

6:16:00 AM

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	2/28/2022 VD	02/28/22 16:50 VD

Client Sample Description 4 / QS-WC-H10 / Hall at Room 10 (1928) **Collected:** 2/17/2022 **Lab ID:** 012202721-0003

6:19:00 AM

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	2/28/2022 VD	02/28/22 16:51 VD

Client Sample Description 5 / QS-WC-H13 / Hall at Room 13 (1928) **Collected:** 2/17/2022 **Lab ID:** 012202721-0004

6:21:00 AM

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	2/28/2022 VD	02/28/22 16:53 VD

Client Sample Description 6 / QS-WC-HSTORAGE / Hall at Storage Room (1958) **Collected:** 2/17/2022 **Lab ID:** 012202721-0005

6:23:00 AM

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	2/28/2022 VD	02/28/22 16:54 VD

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EMSL Order: 012202721

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 Received: 02/18/22 1:30 PM

Project: 21-212 / Quinton Elementary

Analytical Results

Client Sample Description 7 / QS-WC-H21 / Hall at Room 21 (1958) **Collected:** 2/17/2022 **Lab ID:** 012202721-0006
 6:25:00 AM

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	2/28/2022 VD	02/28/22 17:02 VD

Client Sample Description 8 / QS-WC-HBOYS / Hall at Boy's Bathroom (1980) **Collected:** 2/17/2022 **Lab ID:** 012202721-0007
 6:27:00 AM

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	2/28/2022 VD	02/28/22 17:04 VD

Client Sample Description 9 / QS-WC-GIRLS / Hall at Girl's Bathroom (1980) **Collected:** 2/17/2022 **Lab ID:** 012202721-0008
 6:30:00 AM

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	2/28/2022 VD	02/28/22 17:05 VD

Client Sample Description 11 / QS-IM-K / Kitchen **Collected:** 2/17/2022 **Lab ID:** 012202721-0009
 6:35:00 AM

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	2/28/2022 VD	02/28/22 17:07 VD

Client Sample Description 12 / QS-SF-K / Kitchen **Collected:** 2/17/2022 **Lab ID:** 012202721-0010
 6:37:00 AM

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	2/28/2022 VD	02/28/22 17:08 VD

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EMSL Order: 012202721

CustomerID: TTIE54

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Project: 21-212 / Quinton Elementary

Analytical Results

Client Sample Description 16 / QS-WC-HNURSE-L / Hall at Nurse's (Left) **Collected:** 2/17/2022 **Lab ID:** 012202721-0011

6:45:00 AM

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	2/28/2022 VD	02/28/22 17:10 VD

Client Sample Description 17 / QS-WC-HNURSE-R / Hall at Nurse's (Right) **Collected:** 2/17/2022 **Lab ID:** 012202721-0012

6:47:00 AM

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	2/28/2022 VD	02/28/22 17:18 VD

Client Sample Description 18 / QS-DW-47 / Room 47 **Collected:** 2/17/2022 **Lab ID:** 012202721-0013

6:50:00 AM

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	2/28/2022 VD	02/28/22 17:19 VD

Client Sample Description 19 / QS-DW-44 / Room 44 **Collected:** 2/17/2022 **Lab ID:** 012202721-0014

6:52:00 AM

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	2/28/2022 VD	02/28/22 17:21 VD

Client Sample Description 20 / QS-DW-46 / Room 46 **Collected:** 2/17/2022 **Lab ID:** 012202721-0015

6:54:00 AM

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	2/28/2022 VD	02/28/22 17:22 VD

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EMSL Order: 012202721
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 CustomerPO: 034300
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Project: 21-212 / Quinton Elementary

Analytical Results

Client Sample Description 21 / QS-DW-49 / Room 49 **Collected:** 2/17/2022 6:57:00 AM **Lab ID:** 012202721-0016

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	2/28/2022 VD	02/28/22 17:24 VD

Client Sample Description 22 / Blank **Collected:** 2/17/2022 **Lab ID:** 012202721-0017

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	2/28/2022 VD	02/28/22 17:26 VD

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	Date Sampled	Concentration in ug/L
1 / QS-WC-HCUST / Hall at Custodial Closet (1928)	2/17/2022	<1.00
2 / QS-SF-FACULTY / Faculty Room (1928)	2/17/2022	<1.00
4 / QS-WC-H10 / Hall at Room 10 (1928)	2/17/2022	<1.00
5 / QS-WC-H13 / Hall at Room 13 (1928)	2/17/2022	<1.00
6 / QS-WC-HSTORAGE / Hall at Storage Room (1958)	2/17/2022	<1.00
7 / QS-WC-H21 / Hall at Room 21 (1958)	2/17/2022	<1.00
8 / QS-WC-HBOYS / Hall at Boy's Bathroom (1980)	2/17/2022	<1.00
9 / QS-WC-GIRLS / Hall at Girl's Bathroom (1980)	2/17/2022	<1.00
11 / QS-IM-K / Kitchen	2/17/2022	<1.00
12 / QS-SF-K / Kitchen	2/17/2022	<1.00
16 / QS-WC-HNURSE-L / Hall at Nurse's (Left)	2/17/2022	<1.00
17 / QS-WC-HNURSE-R / Hall at Nurse's (Right)	2/17/2022	<1.00
18 / QS-DW-47 / Room 47	2/17/2022	<1.00
19 / QS-DW-44 / Room 44	2/17/2022	<1.00
20 / QS-DW-46 / Room 46	2/17/2022	<1.00
21 / QS-DW-49 / Room 49	2/17/2022	<1.00
22 / Blank	2/17/2022	<1.00