

Lead in Drinking Water First Draw Sampling Report

Lester C. Noecker School

Prepared For:

Roseland School District

100 Passaic Avenue
Roseland, NJ 07068

Performed By:

AERO Environmental Services Inc.

275 Rt 10 East, 220-306 Succasunna, NJ 07876

Report Date

September 12, 2024

AERO ENVIRONMENTAL SERVICES, INC.

ENGINEERING • CONSULTING • TESTING

275 Route 10 East, Suite 220-306 Succasunna, NJ 07876

Telephone (973) 920-9061

Fax (973) 529-0335

September 12, 2024

Mr. Paul Murphy
Business Administrator
Roseland School District
100 Passaic Avenue
Roseland, NJ 07068

Re: Lead in Drinking Water Report - First Draw Sampling

Dear Mr. Paul Murphy

Enclosed is the final report for Lead in Drinking Water-First Draw Collection & Analysis conducted for the Roseland School District. Lead in drinking water sampling was conducted at the following building within your District.

- Lester C. Noecker School

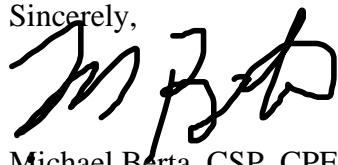
A total of forty-nine (49) first draw samples, including one (1) field blank, were collected while at the facility. All first draw samples were analyzed.

All samples were labeled with a unique identification number and transported to EMSL Analytical for analysis for lead in drinking water using EPA Method 200.8

Based on laboratory analysis of the samples analyzed, **zero (0)** samples exceeded the action limit. No remedial action is required. All lead results were below the 15 µg/L New Jersey Action Level.

If you have any questions, please contact me directly at 973-920-9061.

Sincerely,



Michael Berta, CSP, CPEA
AERO Environmental Services Inc.
mberta@aeroenvironmental.net

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Roseland School District

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1.0 INTRODUCTION

AERO Environmental Services, Inc. was contracted by the Roseland School District to conduct Lead in Drinking Water Sampling at one (1) School. The water sampling was performed on August 6, 2024, by Michael Berta of AERO Environmental Services Inc. All samples were analyzed by EMSL Analytical Inc. at 200 Route 130 North, Cinnaminson, NJ 08077, a New Jersey certified Lead in Drinking Water testing facility.

The purpose of the sampling was to collect first draw drinking water samples from all currently active drinking water locations in the facility and have them analyzed for lead concentration levels.

The initial first draw samples were taken from all currently active drinking water outlets and food preparation outlets in the facility. These samples determine the lead content of water sitting in water outlets that are used for drinking or cooking within the facility.

Lead in water can originate from the outlet fixture or plumbing upstream of the outlet fixture (e.g., pipe, joints, valves, fittings etc.). Lead can also enter a facility through the drinking water system. Sample results are then compared to assist in determining the sources of lead contamination and the appropriate corrective measures.

If initial first draw test results reveal lead concentrations greater than 15 µg/l (ppb) in a 250 mL sample for a given outlet, a follow-up flush testing is required to determine if the lead contamination results are from the fixture or from interior plumbing.

All samples were collected in a 250mL wide mouth plastic container that was prepackaged by the analytical laboratory. At each sample location, the first draw sample was taken after it was determined that the water had been standing in the plumbing system for greater than eight hours but less than forty-eight hours.

-END OF SECTION-

2.0 SUMMARY OF FINDINGS

First Draw samples were collected and submitted for lead analysis. The table(s)-1 below shows the concentration of lead (parts per billion or microgram per liter) at each school location sampled. Sampling conducted followed NJDEP protocols, and all samples were submitted to EMSL Analytical under a completed Chain of Custody Form.

Table 1: Lester C. Noecker School

Date	Location Description	Sample Location Code	First Draw Result ug/L (ppb)	Action ug/L (ppb)	Over Limit Yes/No
08/06/24	204 Kitchen	RD-KO-204-01	ND	15	No
08/06/24	204 Kitchen	RD-KO-204-02	1.42	15	No
08/06/24	204 Kitchen	RD-KO-204-03	ND	15	No
08/06/24	Room B1	RD-FB-B1	1.14	15	No
08/06/24	Room B2	RD-FB-B2	ND	15	No
08/06/24	Room B3	RD-FB-B3	1.02	15	No
08/06/24	Staff Lounge	RD-SO-Staff Lounge	ND	15	No
08/06/24	Room B4	RD-FB-B4	4.34	15	No
08/06/24	Multi-Purpose Rm Left Chiller	RD-FC-Multipurpose -01	ND	15	No
08/06/24	Multi-Purpose Rm Chiller Right	RD-FCBF-Multipurpose-02	ND	15	No
08/06/24	Room 135 Multi-Purpose Rm Bottle Filler Right	RD-FCBF-Multipurpose-03	ND	15	No
08/06/24	Room G2	RD-FB-G2	1.39	15	No
08/06/24	Room G4	RD-FB-G4	2.70	15	No
08/06/24	Room G6	RD-FB-G6	1.03	15	No
08/06/24	Room G8	RD-FB-G8	ND	15	No
08/06/24	Hallway by Y7 Left	RD-FC- BY Y7-01	ND	15	No
08/06/24	Hallway by Y7 Right Chiller	RD-FCBF-BY Y7-02	ND	15	No
08/06/24	Hallway by Y7 Right Bottle Filler	RD-FCBF-BY Y7-03	ND	15	No
08/06/24	Room G7	RD-FB-G7	1.59	15	No
08/06/24	Room G5	RD-FB-G5	2.01	15	No
08/06/24	Room G3	RD-FB-G3	6.04	15	No
08/06/24	Room G1	RD-FB-G1	ND	15	No
08/06/24	Room R2 Nurse	RD-MO-R2	ND	15	No
08/06/24	Hallway by Room R5 Chiller	RD-FCBF-By R5-01	ND	15	No
08/06/24	Hallway by Room R5 Bottle Filler	RD-FCBF-By R5-02	ND	15	No
08/06/24	Hallway by Room R5	RD-FC-By Room R5-03	ND	15	No
08/06/24	Room T1	RD-FB-T1	ND	15	No
08/06/24	Hallway by T10 Chiller	RD-FC-By T10-01	ND	15	No
08/06/24	Hallway by T10 Chiller	RD-FCBF-By T10-02	ND	15	No
08/06/24	Hallway by T10 Bottle Filler	RD-FCBF-By T10-03	ND	15	No
08/06/24	Hallway By Room Y1 & Gym	RD-FC-By Room Y1 & Gym-01	ND	15	No
08/06/24	Hallway By Room Y1 & Gym Chiller	RD-FCBF-By Room Y1-02	ND	15	No
08/06/24	Hallway By Room Y1 & Gym Bottle Filler	RD-FCBF-By Room Y1-03	ND	15	No
08/06/24	Room T16	RD-FB-T16	ND	15	No
08/06/24	Roo T14	RD-FB-T14	ND	15	No
08/06/24	Room T12	RD-FB-T12	ND	15	No
08/06/24	Room T10	RD-FB-T10	ND	15	No
08/06/24	Room P2	RD-FB-P2	1.14	15	No

Date	Location Description	Sample Location Code	First Draw Result ug/L (ppb)	Action ug/L (ppb)	Over Limit Yes/No
08/06/24	Room P4	RD-FB-P4	1.93	15	No
08/06/24	Room P6	RD-FB-P6	3.19	15	No
08/06/24	Room P8	RD-FB-P8	2.63	15	No
08/06/24	Room P7	RD-FB-P7	2.96	15	No
08/06/24	Room P5	RD-FB-P5	1.87	15	No
08/06/24	Room P3	RD-FB-P3	ND	15	No
08/06/24	Room P1	RD-FB-P1	2.72	15	No
08/06/24	Hallway By Room P1 Chiller	RD-FCBF-By P1-01	ND	15	No
08/06/24	Hallway By Room P1 Bottle Filler	RD-FCBF-By P1-02	ND	15	No
08/06/24	Hallway By Room P1 Chiller	RD-FC-By P1-03	ND	15	No
08/06/24	Field Blank	RD-Blank	ND	15	No

3.0 SAMPLING AND ANALYSES

The following guidance documents were followed for all sampling:

1. N.J.A.C. 6A:26-12.4 Safe Drinking Water
2. The EPA's Revised Technical Guidance - "3Ts for Reduced Lead in Drinking Water in Schools"
3. Guidance Document from NJDEP Division of Water Supply and Geoscience – "Lead in Drinking Water: Guidance for Schools and Child Care Facilities Served by Public Water."

Twenty-two (22) first draw samples, including one (1) field blank, were collected while at the facility. All first draw samples were analyzed.

All samples were labeled with a unique identification number and transported to EMSL Analytical for analysis for lead in drinking water using EPA Method 200.8.

4.0 CONCLUSION

- Based on laboratory analysis of the samples analyzed, **zero (0)** samples exceeded the action limit.
- No remedial action is required.
- All lead results were below the 15 µg/L New Jersey Action Level.

APPENDIX 1

Lester C. Noecker School

LABORATORY ANALYSIS WATER SAMPLING RESULTS WITH CHAIN OF CUSTODY

**EMSL Analytical, Inc.**

200 Route 130, Cinnaminson, NJ, 08077
Telephone: 856-858-4800 Fax:856-786-5974
EMSL-CIN-01

EMSL Order ID: 012427035
LIMS Reference ID: AC27035
EMSL Customer ID: AERO50

Attention: Michael Berta
AERO Environmental Services, Inc [AERO50]
275 Route 10 East, Suite 220-306
Succasunna, NJ 07876
(973) 920-9061
mberta@aeroenvironmental.net

Project Name: Lester noecker school

Customer PO:
EMSL Sales Rep: David Prince
Received: 08/09/2024 09:00
Reported: 08/30/2024 17:31

Analytical Results

Analyte	Result	Q	DF	RL	Units	Prepared Date/Time	Analyzed Date/Time	Analyst Initials	Prep /Analytical Method
Sample: Rd-1/Rd-ko-204-01 - Lims Reference ID: AC27035-01 Matrix: Drinking Water Sampled: 08/06/24 06:01:00									
Metals									
Lead	ND		1	1.00	µg/L	08/21/24 10:45	08/28/24 20:17	PL	EPA 200.8 (DA)/EPA 200.8
Sample: Rd-2/RD-KO-204-02 - Lims Reference ID: AC27035-02 Matrix: Drinking Water Sampled: 08/06/24 06:02:00									
Metals									
Lead	1.42		1	1.00	µg/L	08/21/24 10:45	08/28/24 20:23	PL	EPA 200.8 (DA)/EPA 200.8
Sample: Rd-3/RD-KO-204-04 - Lims Reference ID: AC27035-03 Matrix: Drinking Water Sampled: 08/06/24 18:03:00									
Metals									
Lead	ND		1	1.00	µg/L	08/21/24 10:45	08/28/24 20:24	PL	EPA 200.8 (DA)/EPA 200.8
Sample: Rd-4/RD-FB-B1 - Lims Reference ID: AC27035-04 Matrix: Drinking Water Sampled: 08/06/24 06:07:00									
Metals									
Lead	1.14		1	1.00	µg/L	08/21/24 10:45	08/28/24 20:26	PL	EPA 200.8 (DA)/EPA 200.8
Sample: Rd-5/RD-FB-B3 - Lims Reference ID: AC27035-05 Matrix: Drinking Water Sampled: 08/06/24 06:08:00									
Metals									
Lead	ND		1	1.00	µg/L	08/21/24 10:45	08/28/24 20:28	PL	EPA 200.8 (DA)/EPA 200.8
Sample: Rd-6/RD-FB-B2 - Lims Reference ID: AC27035-06 Matrix: Drinking Water Sampled: 08/06/24 18:11:00									
Metals									
Lead	1.02		1	1.00	µg/L	08/21/24 10:45	08/28/24 20:34	PL	EPA 200.8 (DA)/EPA 200.8
Sample: Rd-7/RD-SO-Staff Lounge - Lims Reference ID: AC27035-07 Matrix: Drinking Water Sampled: 08/06/24 06:12:00									
Metals									
Lead	ND		1	1.00	µg/L	08/21/24 10:45	08/28/24 20:36	PL	EPA 200.8 (DA)/EPA 200.8
Sample: Rd-8/RD-FB-B4 - Lims Reference ID: AC27035-08 Matrix: Drinking Water Sampled: 08/06/24 06:13:00									
Metals									
Lead	4.34		1	1.00	µg/L	08/21/24 10:45	08/28/24 20:38	PL	EPA 200.8 (DA)/EPA 200.8
Sample: Rd-9/RD-FC-Multipurpose-01 - Lims Reference ID: AC27035-09 Matrix: Drinking Water Sampled: 08/06/24 06:15:00									
Metals									
Lead	ND		1	1.00	µg/L	08/21/24 10:45	08/28/24 20:40	PL	EPA 200.8 (DA)/EPA 200.8

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Analytical Results (Continued)

Analyte	Result	Q	DF	RL	Units	Prepared Date/Time	Analyzed Date/Time	Analyst Initials	Prep /Analytical Method
Sample: Rd-10/RD-FCBF-Multipurpose-02 - Lims Reference ID: AC27035-10 Matrix: Drinking Water Sampled: 08/06/24 06:17:00									
Metals									
Lead	ND		1	1.00	µg/L	08/21/24 10:45	08/28/24 20:42	PL	EPA 200.8 (DA)/EPA 200.8
Sample: Rd-11/RD-FCBF-Multipurpose-03 - Lims Reference ID: AC27035-11 Matrix: Drinking Water Sampled: 08/06/24 06:18:00									
Metals									
Lead	ND		1	1.00	µg/L	08/21/24 10:45	08/30/24 13:04	PL	EPA 200.8 (DA)/EPA 200.8
Sample: Rd-12/RD-FB-G2 - Lims Reference ID: AC27035-12 Matrix: Drinking Water Sampled: 08/06/24 06:21:00									
Metals									
Lead	1.39		1	1.00	µg/L	08/21/24 10:45	08/30/24 13:10	PL	EPA 200.8 (DA)/EPA 200.8
Sample: Rd-13/RD-FB-G4 - Lims Reference ID: AC27035-13 Matrix: Drinking Water Sampled: 08/06/24 18:22:00									
Metals									
Lead	2.70		1	1.00	µg/L	08/21/24 10:45	08/30/24 13:12	PL	EPA 200.8 (DA)/EPA 200.8
Sample: Rd-14/RD-FB-G6 - Lims Reference ID: AC27035-14 Matrix: Drinking Water Sampled: 08/06/24 06:23:00									
Metals									
Lead	1.03		1	1.00	µg/L	08/21/24 10:45	08/30/24 13:14	PL	EPA 200.8 (DA)/EPA 200.8
Sample: Rd-15/RD-FB-G8 - Lims Reference ID: AC27035-15 Matrix: Drinking Water Sampled: 08/06/24 06:24:00									
Metals									
Lead	ND		1	1.00	µg/L	08/21/24 10:45	08/30/24 13:16	PL	EPA 200.8 (DA)/EPA 200.8
Sample: Rd-16/RD-FC-BY Y7-01 - Lims Reference ID: AC27035-16 Matrix: Drinking Water Sampled: 08/06/24 09:25:00									
Metals									
Lead	ND		1	1.00	µg/L	08/21/24 10:45	08/30/24 13:18	PL	EPA 200.8 (DA)/EPA 200.8
Sample: Rd-17/RD-FCBF-BY Y7-02 - Lims Reference ID: AC27035-17 Matrix: Drinking Water Sampled: 08/06/24 06:28:00									
Metals									
Lead	ND		1	1.00	µg/L	08/21/24 10:45	08/30/24 13:20	PL	EPA 200.8 (DA)/EPA 200.8
Sample: Rd-18/RD-FCBF-BY Y7-03 - Lims Reference ID: AC27035-18 Matrix: Drinking Water Sampled: 08/06/24 06:30:00									
Metals									
Lead	ND		1	1.00	µg/L	08/21/24 10:45	08/30/24 13:22	PL	EPA 200.8 (DA)/EPA 200.8

Attention: Michael Berta

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Project Name:

Lester noecker school

Customer PO:

EMSL Sales Rep:

David Prince

Received:

08/09/2024 09:00

Reported:

08/30/2024 17:31

Analytical Results (Continued)

Analyte	Result	Q	DF	RL	Units	Prepared Date/Time	Analyzed Date/Time	Analyst Initials	Prep /Analytical Method
Sample: Rd-19/RD-FB-G7 -									
Lims Reference ID:			AC27035-19			Matrix: Drinking Water			Sampled: 08/06/24 06:32:00
Metals									
Lead	1.59		1	1.00	µg/L	08/21/24 10:45	08/30/24 13:27	PL	EPA 200.8 (DA)/EPA 200.8
Sample: Rd-20/RD-FB-G5 -									
Lims Reference ID:			AC27035-20			Matrix: Drinking Water			Sampled: 08/06/24 06:36:00
Metals									
Lead	2.01		1	1.00	µg/L	08/21/24 10:45	08/30/24 13:29	PL	EPA 200.8 (DA)/EPA 200.8
Sample: Rd-21/RD-FB-G3 -									
Lims Reference ID:			AC27035-21			Matrix: Drinking Water			Sampled: 08/06/24 06:37:00
Metals									
Lead	6.04		1	1.00	µg/L	08/21/24 10:47	08/28/24 21:20	PL	EPA 200.8 (DA)/EPA 200.8
Sample: Rd-22/RD-Fb-G1 -									
Lims Reference ID:			AC27035-22			Matrix: Drinking Water			Sampled: 08/06/24 06:38:00
Metals									
Lead	ND		1	1.00	µg/L	08/21/24 10:47	08/28/24 21:26	PL	EPA 200.8 (DA)/EPA 200.8
Sample: Rd-23/RD-MO-R2 -									
Lims Reference ID:			AC27035-23			Matrix: Drinking Water			Sampled: 08/06/24 06:39:00
Metals									
Lead	ND		1	1.00	µg/L	08/21/24 10:47	08/28/24 21:28	PL	EPA 200.8 (DA)/EPA 200.8
Sample: Rd-24/RD-FCBF-By R5-01 -									
Lims Reference ID:			AC27035-24			Matrix: Drinking Water			Sampled: 08/06/24 06:40:00
Metals									
Lead	ND		1	1.00	µg/L	08/21/24 10:47	08/28/24 21:30	PL	EPA 200.8 (DA)/EPA 200.8
Sample: Rd-25/RD-FCBF-By R5-02 -									
Lims Reference ID:			AC27035-25			Matrix: Drinking Water			Sampled: 08/06/24 18:41:00
Metals									
Lead	ND		1	1.00	µg/L	08/21/24 10:47	08/28/24 21:32	PL	EPA 200.8 (DA)/EPA 200.8
Sample: Rd-26/RD-Fc-By Room R5-03 -									
Lims Reference ID:			AC27035-26			Matrix: Drinking Water			Sampled: 08/06/24 06:42:00
Metals									
Lead	ND		1	1.00	µg/L	08/21/24 10:47	08/28/24 21:38	PL	EPA 200.8 (DA)/EPA 200.8
Sample: Rd-27/RD-FB-T1-01 -									
Lims Reference ID:			AC27035-27			Matrix: Drinking Water			Sampled: 08/06/24 09:43:00
Metals									
Lead	ND		1	1.00	µg/L	08/21/24 10:47	08/28/24 21:40	PL	EPA 200.8 (DA)/EPA 200.8

**EMSL Analytical, Inc.**

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Customer PO:
EMSL Sales Rep: David Prince
Received: 08/09/2024 09:00
Reported: 08/30/2024 17:31

Analytical Results (Continued)

Analyte	Result	Q	DF	RL	Units	Prepared Date/Time	Analyzed Date/Time	Analyst Initials	Prep /Analytical Method
Sample: Rd-28/RD-FC-By T10-03 - Lims Reference ID: AC27035-28 Matrix: Drinking Water Sampled: 08/06/24 06:46:00									
Metals									
Lead	ND		1	1.00	µg/L	08/21/24 10:47	08/28/24 21:41	PL	EPA 200.8 (DA)/EPA 200.8
Sample: Rd-29/RD-FCBF-By T10-02 - Lims Reference ID: AC27035-29 Matrix: Drinking Water Sampled: 08/06/24 06:47:00									
Metals									
Lead	ND		1	1.00	µg/L	08/21/24 10:47	08/28/24 21:43	PL	EPA 200.8 (DA)/EPA 200.8
Sample: Rd-30/RD-FCBF-By T10-03 - Lims Reference ID: AC27035-30 Matrix: Drinking Water Sampled: 08/06/24 06:48:00									
Metals									
Lead	ND		1	1.00	µg/L	08/21/24 10:47	08/28/24 21:45	PL	EPA 200.8 (DA)/EPA 200.8
Sample: Rd-31/RD-FC-By Room Y1 & Gym-01 - Lims Reference ID: AC27035-31 Matrix: Drinking Water Sampled: 08/06/24 06:53:00									
Metals									
Lead	ND		1	1.00	µg/L	08/21/24 10:47	08/28/24 21:47	PL	EPA 200.8 (DA)/EPA 200.8
Sample: Rd-32/RD-FCBF-By Room Y1-02 - Lims Reference ID: AC27035-32 Matrix: Drinking Water Sampled: 08/06/24 06:54:00									
Metals									
Lead	ND		1	1.00	µg/L	08/21/24 10:47	08/28/24 21:53	PL	EPA 200.8 (DA)/EPA 200.8
Sample: Rd-33/RD-FCBF-By Room Y1-03 - Lims Reference ID: AC27035-33 Matrix: Drinking Water Sampled: 08/06/24 06:54:00									
Metals									
Lead	ND		1	1.00	µg/L	08/21/24 10:47	08/29/24 07:56	PL	EPA 200.8 (DA)/EPA 200.8
Sample: Rd-34/RD-FB-T16 - Lims Reference ID: AC27035-34 Matrix: Drinking Water Sampled: 08/06/24 06:55:00									
Metals									
Lead	ND		1	1.00	µg/L	08/21/24 10:47	08/28/24 22:01	PL	EPA 200.8 (DA)/EPA 200.8
Sample: Rd-35/RD-FB-T14 - Lims Reference ID: AC27035-35 Matrix: Drinking Water Sampled: 08/06/24 06:56:00									
Metals									
Lead	ND		1	1.00	µg/L	08/21/24 10:47	08/28/24 22:03	PL	EPA 200.8 (DA)/EPA 200.8
Sample: Rd-36/RD-FB-T12 - Lims Reference ID: AC27035-36 Matrix: Drinking Water Sampled: 08/06/24 06:57:00									
Metals									
Lead	ND		1	1.00	µg/L	08/21/24 10:47	08/28/24 22:05	PL	EPA 200.8 (DA)/EPA 200.8

Attention: Michael Berta

AERO Environmental Services, Inc [AERO50]
275 Route 10 East, Suite 220-306
Succasunna, NJ 07876
(973) 920-9061
mberta@aeroenvironmental.net

Project Name:

Lester noecker school

Customer PO:

EMSL Sales Rep:

David Prince

Received:

08/09/2024 09:00

Reported:

08/30/2024 17:31

Analytical Results (Continued)

Analyte	Result	Q	DF	RL	Units	Prepared Date/Time	Analyzed Date/Time	Analyst Initials	Prep /Analytical Method
Sample: Rd-37/RD-FB-T10 -									
		Lims Reference ID:		AC27035-37		Matrix: Drinking Water		Sampled: 08/06/24 06:58:00	
Metals									
Lead	ND		1	1.00	µg/L	08/21/24 10:47	08/28/24 22:06	PL	EPA 200.8 (DA)/EPA 200.8
Sample: Rd-38/RD-FB-P2 -									
		Lims Reference ID:		AC27035-38		Matrix: Drinking Water		Sampled: 08/06/24 07:00:00	
Metals									
Lead	1.14		1	1.00	µg/L	08/21/24 10:47	08/28/24 22:08	PL	EPA 200.8 (DA)/EPA 200.8
Sample: Rd-39/RD-FB-P4 -									
		Lims Reference ID:		AC27035-39		Matrix: Drinking Water		Sampled: 08/06/24 07:02:00	
Metals									
Lead	1.93		1	1.00	µg/L	08/21/24 10:47	08/28/24 22:10	PL	EPA 200.8 (DA)/EPA 200.8
Sample: Rd-40/RD-FB-P6 -									
		Lims Reference ID:		AC27035-40		Matrix: Drinking Water		Sampled: 08/06/24 07:02:00	
Metals									
Lead	3.19		1	1.00	µg/L	08/21/24 10:47	08/28/24 22:12	PL	EPA 200.8 (DA)/EPA 200.8
Sample: Rd-41/RD-FB-P8 -									
		Lims Reference ID:		AC27035-41		Matrix: Drinking Water		Sampled: 08/06/24 07:04:00	
Metals									
Lead	2.63		1	1.00	µg/L	08/21/24 10:42	08/27/24 15:46	PL	EPA 200.8 (DA)/EPA 200.8
Sample: Rd-42/RD-FB-P7 -									
		Lims Reference ID:		AC27035-42		Matrix: Drinking Water		Sampled: 08/06/24 07:08:00	
Metals									
Lead	2.96		1	1.00	µg/L	08/21/24 10:42	08/27/24 15:52	PL	EPA 200.8 (DA)/EPA 200.8
Sample: Rd-43/RD-FB-P5 -									
		Lims Reference ID:		AC27035-43		Matrix: Drinking Water		Sampled: 08/06/24 07:09:00	
Metals									
Lead	1.87		1	1.00	µg/L	08/21/24 10:42	08/27/24 15:54	PL	EPA 200.8 (DA)/EPA 200.8
Sample: Rd-44/RD-FB-P3 -									
		Lims Reference ID:		AC27035-44		Matrix: Drinking Water		Sampled: 08/06/24 07:10:00	
Metals									
Lead	ND		1	1.00	µg/L	08/21/24 10:42	08/27/24 15:56	PL	EPA 200.8 (DA)/EPA 200.8
Sample: Rd-45/RD-FB-P1 -									
		Lims Reference ID:		AC27035-45		Matrix: Drinking Water		Sampled: 08/06/24 07:11:00	
Metals									
Lead	2.72		1	1.00	µg/L	08/21/24 10:42	08/27/24 15:58	PL	EPA 200.8 (DA)/EPA 200.8

Attention: Michael Berta

AERO Environmental Services, Inc [AERO50]
275 Route 10 East, Suite 220-306
Succasunna, NJ 07876
(973) 920-9061
mberta@aeroenvironmental.net

Project Name:

Lester noecker school

Customer PO:

EMSL Sales Rep:

David Prince

Received:

08/09/2024 09:00

Reported:

08/30/2024 17:31

Analytical Results (Continued)

Analyte	Result	Q	DF	RL	Units	Prepared Date/Time	Analyzed Date/Time	Analyst Initials	Prep /Analytical Method
Sample: Rd-46/RD-FCBF-By P1-01 - Lims Reference ID: AC27035-46 Matrix: Drinking Water Sampled: 08/06/24 07:12:00									
Metals									
Lead	ND	1	1.00	µg/L	08/21/24 10:42	08/27/24 16:03	PL	EPA 200.8 (DA)/EPA 200.8	
Sample: Rd-47/RD-FCBF-By P1-02 - Lims Reference ID: AC27035-47 Matrix: Drinking Water Sampled: 08/06/24 07:13:00									
Metals									
Lead	ND	1	1.00	µg/L	08/21/24 10:42	08/27/24 16:05	PL	EPA 200.8 (DA)/EPA 200.8	
Sample: Rd-48/RD-FC-By P1-03 - Lims Reference ID: AC27035-48 Matrix: Drinking Water Sampled: 08/06/24 07:14:00									
Metals									
Lead	ND	1	1.00	µg/L	08/21/24 10:42	08/27/24 16:07	PL	EPA 200.8 (DA)/EPA 200.8	
Sample: Rd-49/RD-Blank - Lims Reference ID: AC27035-49 Matrix: Drinking Water Sampled: 08/06/24 07:20:00									
Metals									
Lead	ND	1	1.00	µg/L	08/21/24 10:42	08/27/24 16:09	PL	EPA 200.8 (DA)/EPA 200.8	

**EMSL Analytical, Inc.**

200 Route 130, Cinnaminson, NJ, 08077
Telephone: 856-858-4800 Fax: 856-786-5974
EMSL-CIN-01

EMSL Order ID: 012427035**LIMS Reference ID:** AC27035**EMSL Customer ID:** AERO50**Attention:** Michael Berta

AERO Environmental Services, Inc [AERO50]
275 Route 10 East, Suite 220-306
Succasunna, NJ 07876
(973) 920-9061
mberta@aeroenvironmental.net

Project Name:

Lester noecker school

Customer PO:**EMSL Sales Rep:**

David Prince

Received:

08/09/2024 09:00

Reported:

08/30/2024 17:31

Certified Analyses included in this Report

Analyte	Certifications
<i>EPA 200.8 in Drinking Water</i>	
Lead	NJDEP

List of Certifications

Code	Description	Number	Expires
PADEP	Pennsylvania Department of Environmental Protection	68-00367	11/30/2024
NYSDOH	New York State Department of Health	10872	04/01/2025
NJDEP	New Jersey Department of Environmental Protection	03036	06/30/2024
MADEP	Massachusetts Department of Environmental Protection	M-NJ337	06/30/2024
CTDPH	Connecticut Department of Public Health	PH-0270	06/23/2024
California ELAP	California Water Boards	1877	06/30/2024
AIHA LAP	EMSL Analytical, Inc. Cinnaminson, NJ AIHA-LAP, LLC-ELLAP Accredited	100194	01/01/2025
A2LA	A2LA Environmental Certificate	2845.01	07/31/2024

Please see the specific Field of Testing (FOT) on www.emsl.com <<http://www.emsl.com>> for a complete listing of parameters for which EMSL is certified.

**EMSL Analytical, Inc.**

200 Route 130, Cinnaminson, NJ, 08077
Telephone: 856-858-4800 Fax:856-786-5974
EMSL-CIN-01

EMSL Order ID: 012427035**LIMS Reference ID:** AC27035**EMSL Customer ID:** AERO50**Attention:** Michael Berta

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275 Route 10 East, Suite 220-306
Succasunna, NJ 07876
(973) 920-9061
mberta@aeroenvironmental.net

Project Name:

Lester noecker school

Customer PO:**EMSL Sales Rep:**

David Prince

Received:

08/09/2024 09:00

Reported:

08/30/2024 17:31

Notes and Definitions

Item	Definition
(Dig)	For metals analysis, sample was digested.
[2C]	Reported from the second channel in dual column analysis.
DF	Dilution Factor
MDL	Method Detection Limit.
ND	Analyte was NOT DETECTED at or above the detection limit.
NR	Spike/Surrogate showed no recovery.
Q	Qualifier
RL	Reporting Limit
Wet	Sample is not dry weight corrected.

Measurement of uncertainty and any applicable definitions of method modifications are available upon request. Per EPA NLLAP policy, sample results are not blank corrected.

Owen McKenna Laboratory Manager or other approved signatory

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AC27035



EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING



XTGD-ETW7-6P4R

Client Information

AERO Environmental Services, Inc
Succasunna, NJ
AERO50

Project Overview

Client Aero environmental services
PO Number
Project Name Lester noecker school
Project ID
Bill To AERO50
Report To Contact Michael berta
Report To Email Mberta@aeroenvironmental.net
Special Instructions

Project Site

Building Type School or Day Care Center
Address 100 passaic avenue
City Roseland
State NJ
Zip

Testing Laboratory

Cinnaminson Chemistry
Cinnaminson, NJ 08077

Lead Drinking Water

	Sample ID	Sample Area	Date/Time Collected	Volume	Test Method	TAT	pH	Preservative	Additional Tests	Notes
1	Rd-1	Rd-ko-204-01	Aug 06, 2024 6:01 AM	250 mL	C-Lead by ICP-MS EPA 200.8	2 Week				
2	Rd-2	RD-KO-204-02	Aug 06, 2024 6:02 AM	250 mL	C-Lead by ICP-MS EPA 200.8	2 Week				
3	Rd-3	RD-KO-204-04	Aug 06, 2024 6:03 PM	250 mL	C-Lead by ICP-MS EPA 200.5	2 Week				
4	Rd-4	RD-FB-B1	Aug 06, 2024 6:07 AM	250 mL	C-Lead by ICP-MS EPA 200.8	2 Week				
5	Rd-5	RD-FB-B3	Aug 06, 2024 6:08 AM	250 mL	C-Lead by ICP-MS EPA 200.8	2 Week				
6	Rd-6	RD-FB-B2	Aug 06, 2024 6:11 PM	250 mL	C-Lead by ICP-MS EPA 200.8	2 Week				
7	Rd-7	RD-SO-Staff Lounge	Aug 06, 2024 6:12 AM	250 mL	C-Lead by ICP-MS EPA 200.8	2 Week				
8	Rd-8	RD-FB-B4	Aug 06, 2024 6:13 AM	250 mL	C-Lead by ICP-MS EPA 200.8	2 Week				
9	Rd-9	RD-FC-Multipurpose-01	Aug 06, 2024 6:15 AM	250 mL	C-Lead by ICP-MS EPA 200.8	2 Week				
10	Rd-10	RD-FCBF-Multipurpose-02	Aug 06, 2024 6:17 AM	250 mL	C-Lead by ICP-MS EPA 200.8	2 Week				
11	Rd-11	RD-FCBF-Multipurpose-03	Aug 06, 2024 6:18 AM	250 mL	C-Lead by ICP-MS EPA 200.8	2 Week				
12	Rd-12	RD-FB-G2	Aug 06, 2024 6:21 AM	250 mL	C-Lead by ICP-MS EPA 200.8	2 Week				
13	Rd-13	RD-FB-G4	Aug 06, 2024 6:22 PM	250 mL	C-Lead by ICP-MS EPA 200.8	2 Week				
14	Rd-14	RD-FB-G6	Aug 06, 2024 6:23 AM	250 mL	C-Lead by ICP-MS EPA 200.8	2 Week				
15	Rd-15	RD-FB-G8	Aug 06, 2024 6:24 AM	250 mL	C-Lead by ICP-MS EPA 200.8	2 Week				

AC 27035



EMSL ANALYTICAL, INC.
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XTGD-ETW7-6P4R

	Sample ID	Sample Area	Date/Time Collected	Volume	Test Method	TAT	pH	Preservative	Additional Tests	Notes
16	Rd-16	RD-FC-BY Y7-01	Aug 06, 2024 9:25 AM	250 mL	C-Lead by ICP-MS EPA 200.8	2 Week				
17	Rd-17	RD-FCBF-BY Y7-02	Aug 06, 2024 6:28 AM	250 mL	C-Lead by ICP-MS EPA 200.8	2 Week				
18	Rd-18	RD-FCBF-BY Y7-03	Aug 06, 2024 6:30 AM	250 mL	C-Lead by ICP-MS EPA 200.8	2 Week				
19	Rd-19	RD-FB-G7	Aug 06, 2024 6:32 AM	250 mL	C-Lead by ICP-MS EPA 200.8	2 Week				
20	Rd-20	RD-FB-G5	Aug 06, 2024 6:36 AM	250 mL	C-Lead by ICP-MS EPA 200.8	2 Week				
21	Rd-21	RD-FB-G3	Aug 06, 2024 6:37 AM	250 mL	C-Lead by ICP-MS EPA 200.8	2 Week				
22	Rd-22	RD-Fb-G1	Aug 06, 2024 6:38 AM	250 mL	C-Lead by ICP-MS EPA 200.8	2 Week				
23	Rd-23	RD-MO-R2	Aug 06, 2024 6:39 AM	250 mL	C-Lead by ICP-MS EPA 200.8	2 Week				
24	Rd-24	RD-FCBF-By R5-01	Aug 06, 2024 6:40 AM	250 mL	C-Lead by ICP-MS EPA 200.8	2 Week				
25	Rd-25	RD-FCBF-By R5-02	Aug 06, 2024 6:41 PM	250 mL	C-Lead by ICP-MS EPA 200.8	2 Week				
26	Rd-26	RD-Fc-By Room R5-03	Aug 06, 2024 6:42 AM	250 mL	C-Lead by ICP-MS EPA 200.8	2 Week				
27	Rd-27	RD-FB-T1-01	Aug 06, 2024 9:43 AM	250 mL	C-Lead by ICP-MS EPA 200.8	2 Week				
28	Rd-28	RD-FC-By T10-03	Aug 06, 2024 6:46 AM	250 mL	C-Lead by ICP-MS EPA 200.8	2 Week				
29	Rd-29	RD-FCBF-By T10-02	Aug 06, 2024 6:47 AM	250 mL	C-Lead by ICP-MS EPA 200.8	2 Week				
30	Rd-30	RD-FCBF-By T10-03	Aug 06, 2024 6:48 AM	250 mL	C-Lead by ICP-MS EPA 200.8	2 Week				
31	Rd-31	RD-FC-By Room Y1 & Gym-01	Aug 06, 2024 6:53 AM	250 mL	C-Lead by ICP-MS EPA 200.8	2 Week				
32	Rd-32	RD-FCBF-By Room Y1-02	Aug 06, 2024 6:54 AM	250 mL	C-Lead by ICP-MS EPA 200.8	2 Week				
33	Rd-33	RD-FCBF-By Room Y1-03	Aug 06, 2024 6:54 AM	250 mL	C-Lead by ICP-MS EPA 200.8	2 Week				
34	Rd-34	RD-FB-T16	Aug 06, 2024 6:55 AM	250 mL	C-Lead by ICP-MS EPA 200.8	2 Week				
35	Rd-35	RD-FB-T14	Aug 06, 2024 6:56 AM	250 mL	C-Lead by ICP-MS EPA 200.8	2 Week				
36	Rd-36	RD-FB-T12	Aug 06, 2024 6:57 AM	250 mL	C-Lead by ICP-MS EPA 200.8	2 Week				

AC27035



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XTGD-ETW7-6P4R

	Sample ID	Sample Area	Date/Time Collected	Volume	Test Method	TAT	pH	Preservative	Additional Tests	Notes
37	Rd-37	RD-FB-T10	Aug 06, 2024 6:58 AM	250 mL	C-Lead by ICP-MS EPA 200.8	2 Week				
38	Rd-38	RD-FB-P2	Aug 06, 2024 7:00 AM	250 mL	C-Lead by ICP-MS EPA 200.8	2 Week				
39	Rd-39	RD-FB-P4	Aug 06, 2024 7:02 AM	250 mL	C-Lead by ICP-MS EPA 200.8	2 Week				
40	Rd-40	RD-FB-P6	Aug 06, 2024 7:02 AM	250 mL	C-Lead by ICP-MS EPA 200.8	2 Week				
41	Rd-41	RD-FB-P8	Aug 06, 2024 7:04 AM	250 mL	C-Lead by ICP-MS EPA 200.8	2 Week				
42	Rd-42	RD-FB-P7	Aug 06, 2024 7:08 AM	250 mL	C-Lead by ICP-MS EPA 200.8	2 Week				
43	Rd-43	RD-FB-P5	Aug 06, 2024 7:09 AM	250 mL	C-Lead by ICP-MS EPA 200.8	2 Week				
44	Rd-44	RD-FB-P3	Aug 06, 2024 7:10 AM	250 mL	C-Lead by ICP-MS EPA 200.8	2 Week				
45	Rd-45	RD-FB-P1	Aug 06, 2024 7:11 AM	250 mL	C-Lead by ICP-MS EPA 200.8	2 Week				
46	Rd-46	RD-FCBF-By P1-01	Aug 06, 2024 7:12 AM	250 mL	C-Lead by ICP-MS EPA 200.8	2 Week				
47	Rd-47	RD-FCBF-By P1-02	Aug 06, 2024 7:13 AM	250 mL	C-Lead by ICP-MS EPA 200.8	2 Week				
48	Rd-48	RD-FC-By P1-03	Aug 06, 2024 7:14 AM	250 mL	C-Lead by ICP-MS EPA 200.8	2 Week				
49	Rd-49	RD-Blank	Aug 06, 2024 7:20 AM	250 mL	C-Lead by ICP-MS EPA 200.8	2 Week				

HNO₃ added @ 5:00pm 8/13/24

Sampled By / Date

Aug 06, 2024

Received (Lab) / Date

Relinquished By / Date

Aug 06, 2024

**Lead in Drinking
Water
First Draw Sampling
Report**

Mail Room

Lester C. Noecker School

Prepared For:

Roseland School District

100 Passaic Avenue
Roseland, NJ 07068

Performed By:

AERO Environmental Services Inc.
275 Rt 10 East, 220-306 Succasunna, NJ 07876

Report Date

October 25, 2024

AERO ENVIRONMENTAL SERVICES, INC.

ENGINEERING • CONSULTING • TESTING

275 Route 10 East, Suite 220-306 Succasunna, NJ 07876

Telephone (973) 920-9061

Fax (973) 529-0335

October 25, 2024

Mr. Paul Murphy
Business Administrator
Roseland School District
100 Passaic Avenue
Roseland, NJ 07068

Re: Lead in Drinking Water Report - First Draw Sampling – Mail Room

Dear Mr. Paul Murphy

Enclosed are the results for Lead in Drinking Water sampling collection & analysis conducted for the Roseland School District on October 4, 2024. Lead in drinking water sampling was conducted at the following building & location within your District.

- Lester C. Noecker School – Mail Room

A total of one (1) first draw sample, including one (1) field blank, were collected while at the facility and analyzed.

The samples were labeled with a unique identification number and transported to EMSL Analytical for analysis for lead in drinking water using EPA Method 200.8

Based on laboratory analysis of the samples analyzed, **zero (0)** samples exceeded the action limit. No remedial action is required in the mail room. All lead results were below the 15 µg/L New Jersey Action Level.

If you have any questions, please contact me directly at 973-920-9061.

Sincerely,

Michael S Berta

Michael Berta, CSP, CPEA
AERO Environmental Services Inc.
mberta@aeroenvironmental.net

SUMMARY OF FINDINGS

First Draw samples were collected and submitted for lead analysis. The table(s)-1 below shows the concentration of lead (parts per billion or microgram per liter) at each school location sampled. Sampling conducted followed NJDEP protocols, and all samples were submitted to EMSL Analytical under a completed Chain of Custody Form.

Table 1: Lester C. Noecker School

Date	Location Description	Sample Location Code	First Draw Result ug/L (ppb)	Action ug/L (ppb)	Over Limit Yes/No
10/04/24	Mail Room	RD-SO-Mail Room	ND	15	No
10/04/24	Field Blank	RD-Blank	ND	15	No

SAMPLING AND ANALYSES

The following guidance documents were followed for all sampling:

1. N.J.A.C. 6A:26-12.4 Safe Drinking Water
2. The EPA's Revised Technical Guidance - "3Ts for Reduced Lead in Drinking Water in Schools"
3. Guidance Document from NJDEP Division of Water Supply and Geoscience – "Lead in Drinking Water: Guidance for Schools and Child Care Facilities Served by Public Water."

One (1) first draw sample, including one (1) field blank, were collected while at the facility. All first draw samples were analyzed.

All samples were labeled with a unique identification number and transported to EMSL Analytical for analysis for lead in drinking water using EPA Method 200.8.

CONCLUSION

- Based on laboratory analysis of the samples analyzed, **zero (0)** samples exceeded the action limit.
- No remedial action is required.
- All lead results were below the 15 µg/L New Jersey Action Level.

APPENDIX 1

Lester C. Noecker School

LABORATORY ANALYSIS WATER SAMPLING RESULTS WITH CHAIN OF CUSTODY

Sampling Date :10/04/24



EMSL Analytical, Inc.

200 Route 130, Cinnaminson, NJ, 08077
Telephone: 856-858-4800 Fax:856-786-5974
EMSL-CIN-01

EMSL Order ID: 012433222
LIMS Reference ID: AC33222
EMSL Customer ID: AERO50

Attention: Michael Berta
AERO Environmental Services, Inc [AERO50]
275 Route 10 East, Suite 220-306
Succasunna, NJ 07876
(973) 920-9061
mberta@aeroenvironmental.net

Project Name: Lester noecker mailroom sink

Customer PO:
EMSL Sales Rep: David Prince
Received: 10/07/2024 10:10
Reported: 10/21/2024 17:08

Analytical Results

Analyte	Result	Q	DF	RL	Units	Prepared Date/Time	Analyzed Date/Time	Analyst Initials	Prep /Analytical Method
Sample: Rd-1/Rd-SO-MAILROOM - Mail room sink Lims Reference ID: AC33222-01 Matrix: Drinking Water Sampled: 10/04/24 05:45:00									
Metals									
Lead	ND		1	1.00	µg/L	10/18/24 09:30	10/18/24 13:03	PL	EPA 200.8 (DA)/EPA 200.8
Sample: Rd-2/Rd- Field Blank - field blank Lims Reference ID: AC33222-02 Matrix: Drinking Water Sampled: 10/04/24 06:00:00									
Metals									
Lead	ND		1	1.00	µg/L	10/18/24 09:30	10/18/24 13:09	PL	EPA 200.8 (DA)/EPA 200.8

**EMSL Analytical, Inc.**

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Telephone: 856-858-4800 Fax: 856-786-5974
EMSL-CIN-01

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mberta@aeroenvironmental.net

Project Name:

Lester noecker mailroom sink

Customer PO:**EMSL Sales Rep:**

David Prince

Received:

10/07/2024 10:10

Reported:

10/21/2024 17:08

Certified Analyses included in this Report

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<i>EPA 200.8 in Drinking Water</i>	
Lead	NJDEP

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Please see the specific Field of Testing (FOT) on www.emsl.com <<http://www.emsl.com>> for a complete listing of parameters for which EMSL is certified.

**EMSL Analytical, Inc.**

200 Route 130, Cinnaminson, NJ, 08077
Telephone: 856-858-4800 Fax: 856-786-5974
EMSL-CIN-01

EMSL Order ID: 012433222**LIMS Reference ID:** AC33222**EMSL Customer ID:** AERO50**Attention:** Michael Berta

AERO Environmental Services, Inc [AERO50]
275 Route 10 East, Suite 220-306
Succasunna, NJ 07876
(973) 920-9061
mberta@aeroenvironmental.net

Project Name:

Lester noecker mailroom sink

Customer PO:**EMSL Sales Rep:**

David Prince

Received:

10/07/2024 10:10

Reported:

10/21/2024 17:08

Notes and Definitions

Item	Definition
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[2C]	Reported from the second channel in dual column analysis.
DF	Dilution Factor
MDL	Method Detection Limit.
ND	Analyte was NOT DETECTED at or above the detection limit.
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RL	Reporting Limit
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Measurement of uncertainty and any applicable definitions of method modifications are available upon request. Per EPA NLLAP policy, sample results are not blank corrected.

Owen McKenna Laboratory Manager or other approved signatory

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EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

AC 33222



2DYG-U7XP-R6W3

Client Information
AERO Environmental Services, Inc
Succasunna, NJ
AERO50

Project Overview
Client Roseland school district
PO Number Lester noecker mailroom sink
Project Name
Project ID AERO50
Bill To Michael Berta
Report To Contact Mberta@aeroenvironmental.net
Report To Email
Special Instructions

Project Site
Building Type School or Day Care Center
Address 100 passaic avenue
City Roseland
State NJ
Zip

Testing Laboratory
Cinnaminson Chemistry
Cinnaminson, NJ 08077

Lead Drinking Water

Sample ID	Sample Area	Date/Time Collected	Volume	Test Method	TAT	pH	Preservative	Additional Tests	Notes
Rd-1	Rd-SO-MAILROOM	Oct 04, 2024 5:45 AM	250 mL	C-Lead by ICP-MS EPA 200.8	2 Week				
Rd-2	Rd- Field Blank	Oct 04, 2024 6:00 AM	250 mL	C-Lead by ICP-MS EPA 200.8	2 Week				

Memo

Sampled By / Date

Oct 04, 2024

Memo

Relinquished By / Date

Oct 04, 2024

Rd C (WIT) 10.7.24 @ 10:10 AM
HMO added 11:30 am on 10/8/24



EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

AC 33222



2DYG-U7XP-R6W3

Client Information
AERO Environmental Services, Inc
Succasunna, NJ
AERO50

Project Overview
Client Roseland school district
PO Number Lester noecker mailroom sink
Project Name
Project ID
Bill To AERO50
Report To Contact Michael berta
Report To Email Mberta@aeroenvironmental.net
Special Instructions

Project Site
Building Type School or Day Care Center
Address 100 passaic avenue
City Roseland
State NJ
Zip

Testing Laboratory
Cinnaminson Chemistry
Cinnaminson, NJ 08077

Lead Drinking Water

Sample ID	Sample Area	Date/Time Collected	Volume	Test Method	TAT	pH	Preservative	Additional Tests	Notes
Rd-1	Rd-SO-MAILROOM	Oct 04, 2024 5:45 AM	250 mL	C-Lead by ICP-MS EPA 200.8	2 Week				
Rd-2	Rd- Field Blank	Oct 04, 2024 6:00 AM	250 mL	C-Lead by ICP-MS EPA 200.8	2 Week				

Mberta

Sampled By / Date

Oct 04, 2024

Mberta

Relinquished By / Date

Oct 04, 2024

Rud C (VTD) 10.7.24 @ 10:10 AM
HMO added 11:30 am on 10/8/24