

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

Central Park School

5 Jean Street
Morristown, NJ 07960

Prepared For:

Educational Services Commission

520 Speedwell Avenue
Suite 200
Morris Plains, NJ 07950

Performed By:

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

Report Date

June 16, 2022

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

June 16, 2022

Dr. Angelo Vilardi
Superintendent
Educational Services Commission of Morris County
520 Speedwell Avenue
Suite 200
Morris Plains, NJ 07950

Re: Lead in Drinking Water Report - First Draw Sampling

Dear Dr. Vilardi;

Enclosed is the final report for the Lead in Drinking Water-First Draw Sampling & Analysis conducted for the Educational Services Commission of Morris County. Lead in drinking water sampling was conducted at the following buildings within your District.

- Central Park School, 5 Jean Street, Morristown NJ 07960

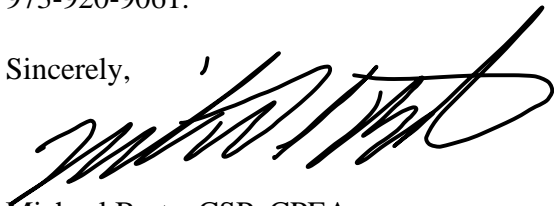
A total of ten (10) first draw samples, including one (1) field blank, were collected while at the facility. All first draw samples were analyzed.

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 at directly at 973-920-9061.

Sincerely,



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

TABLE OF CONTENTS

Central Park School

1.0	Introduction	1
2.0	Summary of Findings	2
3.0	Sampling & Analysis	4
4.0	Conclusion	5

Attachments

Appendix 1 - Lead Sampling Laboratory Reports – Central Park School

1.0 INTRODUCTION

AERO Environmental Services, Inc. was contracted by the Educational Services Commission of Morris County to conduct Lead in Drinking Water Sampling at one (1) School. The water sampling was performed on May 19, 2022, 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 $\mu\text{g/L}$ (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) 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: ESC Central Park School

Date	Location Description	Sample Location Code	First Draw Result (ppb)	Action Ppb	Over Limit Yes/No
05/19/22	Kitchen Sink 1	ESCCP-KO-KITCHEN-01	ND	15	No
05/19/22	Kitchen Sink 2	ESCCP-KO-KITCHEN-02	ND	15	No
05/19/22	Teachers' Lounge Sink	ESCCP-TL-TEACHERS LOUNGE	5.50	15	No
05/19/22	Nurse Sink	ESCCP-MO-NURSE	ND	15	No
05/19/22	Green Pod Sink	ESCCP-SO-GREEN POD	ND	15	No
05/19/22	ADL Sink	ESCCP-SO-ADL	ND	15	No
05/19/22	Yellow Pod Sink	ESCCP-SO-YELLOW POD	ND	15	No
05/19/22	Orange Pod Sink	ESCCP-SO-ORANGE POD	ND	15	No
05/19/22	Blue Pod Sink	ESCCP-SO-BLUE POD	ND	15	No
05/19/22	Field Blank	ESCCP-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."

Ten (10) 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

Central Park School

LABORATORY ANALYSIS WATER SAMPLING RESULTS WITH CHAIN OF CUSTODY



EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

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

Attn: **Michael Berta**
AERO Environmental Services, Inc
275 Route 10 East
Suite 220-306
Succasunna, NJ 07876

6/3/2022

Phone: (973) 920-9061
Fax: (973) 529-0335

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 5/23/2022. The results are tabulated on the attached data pages for the following client designated project:

ESC CENTRAL PARK SCHOOL

The reference number for these samples is EMSL Order #012208071. 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: 012208071

CustomerID: aero50

CustomerPO:

ProjectID:

Attn: **Michael Berta**
AERO Environmental Services, Inc
275 Route 10 East
Suite 220-306
Succasunna, NJ 07876

Phone: (973) 920-9061
 Fax: (973) 529-0335
 Received: 5/20/2022 09:00 AM

Project: ESC CENTRAL PARK SCHOOL

Analytical Results

Client Sample Description ESCCP-KO-KITCHEN-01 **Collected:** 5/19/2022 2 6:24:44 AM **Lab ID:** 012208071-0001

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	6/1/2022 KG	6/1/2022 14:04 KG

Client Sample Description ESCCP-KO-KITCHEN-02 **Collected:** 5/19/2022 2 6:25:44 AM **Lab ID:** 012208071-0002

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	6/1/2022 KG	6/1/2022 14:09 KG

Client Sample Description ESCCP-TL-TEACHERS LOUNGE **Collected:** 5/19/2022 2 6:28:44 AM **Lab ID:** 012208071-0003

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	5.50	1.00 µg/L	6/1/2022 KG	6/1/2022 14:11 KG

Client Sample Description ESCCP-MO-NURSE **Collected:** 5/19/2022 2 6:30:44 AM **Lab ID:** 012208071-0004

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	6/1/2022 KG	6/1/2022 14:12 KG

Client Sample Description ESCCP-SO-GREEN POD **Collected:** 5/19/2022 2 6:33:03 AM **Lab ID:** 012208071-0005

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	6/1/2022 KG	6/1/2022 14:17 KG

**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: 012208071

CustomerID: aero50

CustomerPO:

ProjectID:

Attn: **Michael Berta**
AERO Environmental Services, Inc
275 Route 10 East
Suite 220-306
Succasunna, NJ 07876

Phone: (973) 920-9061
 Fax: (973) 529-0335
 Received: 5/20/2022 09:00 AM

Project: ESC CENTRAL PARK SCHOOL

Analytical Results

Client Sample Description ESCCP-SO-ADL **Collected:** 5/19/2022 2 6:35:03 AM **Lab ID:** 012208071-0006

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00	6/1/2022 KG	6/1/2022 14:18 KG

Client Sample Description ESCCP-SO-YELLOW POD **Collected:** 5/19/2022 2 6:37:15 AM **Lab ID:** 012208071-0007

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	6/1/2022 KG	6/1/2022 14:20 KG

Client Sample Description ESCCP-SO-ORANGE POD **Collected:** 5/19/2022 2 6:39:56 AM **Lab ID:** 012208071-0008

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	6/1/2022 KG	6/1/2022 14:21 KG

Client Sample Description ESCCP-SO-BLUE POD **Collected:** 5/19/2022 2 6:41:30 AM **Lab ID:** 012208071-0009

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	6/1/2022 KG	6/1/2022 14:23 KG

Client Sample Description ESCCP-BLANK **Collected:** 5/19/2022 2 6:45:25 AM **Lab ID:** 012208071-0010

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	6/1/2022 KG	6/1/2022 14:25 KG



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: 012208071

CustomerID: aero50

CustomerPO:

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



EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

012208071



YGGG-EHP3-HUAG

Client Information
AERO Environmental Services, Inc
Succasunna, NJ

Project Overview

PO Number
Project Name
Project ID
Client
Special Instructions
Bill To
Report to Contact
Report to Email

ESC CENTRAL PARK SCHOOL
Aero environmental services
aero50
Michael Berta
Mberta@aeroenvironmental.net

Project Site

Building Type
Address 1
Address 2
City
State
Country

School or Day Care Center
Jean street
Morristown
NJ
US

Testing Laboratory

EMSL Analytical
200 Route 130 North
Cinnaminson, NJ

Sample ID	Sample Area	Date/Time Collected	Volume	Matrix / Test Method	TAT	pH	Preservative	Additional Tests	Notes
1	ESSCP-KO-KITCHEN01	May 19, 2022 6:24 AM	250 mL	Lead Drinking Water / C-Lead by ICP-MS EPA 200.8	2 Week				
2	ESSCP-KO-KITCHEN02	May 19, 2022 6:25 AM	250 mL	Lead Drinking Water / C-Lead by ICP-MS EPA 200.8	2 Week				
3	ESSCP-TL-TEACHERS LOUNGE	May 19, 2022 6:28 AM	250 mL	Lead Drinking Water / C-Lead by ICP-MS EPA 200.8	2 Week				
4	ESSCP-MO-NURSE	May 19, 2022 6:30 AM	250 mL	Lead Drinking Water / C-Lead by ICP-MS EPA 200.8	2 Week				
5	ESSCP-SO-GREEN POD	May 19, 2022 6:33 AM	250 mL	Lead Drinking Water / C-Lead by ICP-MS EPA 200.8	2 Week				
6	ESSCP-SO-ADL	May 19, 2022 6:35 AM	250 mL	Lead Drinking Water / C-Lead by ICP-MS EPA 200.8	2 Week				
7	ESSCP-SO-YELLOW POD	May 19, 2022 6:37 AM	250 mL	Lead Drinking Water / C-Lead by ICP-MS EPA 200.8	2 Week				
8	ESSCP-SO-ORANGE POD	May 19, 2022 6:39 AM	250 mL	Lead Drinking Water / C-Lead by ICP-MS EPA 200.8	2 Week				
9	ESSCP-SO-BLUE POD	May 19, 2022 6:41 AM	250 mL	Lead Drinking Water / C-Lead by ICP-MS EPA 200.8	2 Week				
10	ESSCP-BLANK	May 19, 2022 6:45 AM	250 mL	Lead Drinking Water / C-Lead by ICP-MS EPA 200.8	2 Week				

Sampled By / Date

M.B.T.

May 19, 2022

Relinquished By / Date

M.B.T.

May 19, 2022

Received (Lab) / Date

AW *5/19/22 @ 1:48 PM*

HNO₃ added 5/23/22 7²⁰gk

AW *COFilter* *5/19/22 9pm*
Ellyssa 6/20/22 9m - see report. EZ