Lead in Drinking Water
First Draw
Sampling Report

Mount Arlington Public School
Edith Decker School

Prepared For:

Mount Arlington School District

235 Howard Blvd
Mt Arlington, NJ 07856

Preformed By:

AERO Environmental Services Inc.

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

Report Date

May 31, 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

May 16, 2022

Dr. Steven E. McHugh, Sr
School Business Administrator
Mount Arlington Schools District
235 Howard Blvd
Mt Arlington, NJ 07856

Re: District Lead in Drinking Water Report - First Draw Sampling

Dear Dr. McHugh

Enclosed is the final report for the Lead in Drinking Water Sampling & Analysis conducted for the Mount Arlington School District. Lead in drinking water sampling was conducted of all active drinking water locations at the following district facilities.

- Mt Arlington Public School
- Edith Decker School

A total of thirty-six (36) first draw samples, including field blanks, were collected while at each district 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 all functioning drinking water locations samples analyzed, **zero (0) samples exceeded the action limit.** No remedial action is required. All lead results were below 15 µg/L which is the 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

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1.0 INTRODUCTION

AERO Environmental Services, Inc. was contracted by the Mount Arlington School District to conduct Lead in Drinking Water Sampling at two (2) district facilities. The water sampling was performed 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 sampling was to collect first draw drinking water samples from all active drinking water locations within the district and have them analyzed for lead concentration levels.

The initial first draw samples were taken from active drinking water outlets and food preparation outlets throughout the facilities. These samples determine the lead content of water sitting in water outlets that are used for drinking or cooking within each 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 250 mL wide mouth plastic container that was provided 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. Table(s) 1 below shows the concentration of lead (parts per billion or microgram per liter) at each active drinking water location sampled. Sampling conducted followed NJDEP protocols, and all samples were submitted to EMSL Analytical under a completed Chain of Custody.

Table 1: Mt Arlington Public School

Date	Location Description	Sample Location Code	First Draw Result (ppb)	Action Ppb	Over Limit Yes/No
04/14/22	Room 33 Sink	MAPS-SO-33	6.04	15	No
04/14/22	Room 28 Teachers Lounge Sink	MAPS-TL-28	ND	15	No
04/14/22	Nurses Room Sink	MAPS-MO-Nurse	4.21	15	No
04/14/22	Hallway By Main Office Chiller	MAPS-FCBF-by Main Office-01	ND	15	No
04/14/22	Hallway By Main Office Bottle Filler	MAPS-FCBF-by Main Office-02	ND	15	No
04/14/22	Kitchen Sink Left Side Sink	MAPS-KO-Kitchen-01	1.75	15	No
04/14/22	Kitchen Sink Right Side Sink	MAPS-KO-Kitchen-02	2.03	15	No
04/14/22	Room 14 Bubbler	MAPS-FB-14	10.9	15	No
04/14/22	Room 11 Bubbler	MAPS-FB-11	11.1	15	No
04/14/22	Hallway by Room 09 Left Chiller	MAPS-FC-by Rm09-01	ND	15	No
04/14/22	Hallway by Room 09 Middle Chiller	MAPS-FC-by Rm09-02	ND	15	No
04/14/22	Hallway by Room 09 Right Chiller	MAPS-FC-by Rm09-03	ND	15	No
04/14/22	Girls Locker Room Chiller	MAPS-FC-Girls Locker Rm	3.02	15	No
04/14/22	Hallway by All Purpose Rm Bubbler	MAPS-FB-APR	7.03	15	No
04/14/22	Hallway by Room 22 Chiller	MAPS-FCBF by Rm22-01	ND	15	No
04/14/22	Hallway by Room 22 Bottle Filler	MAPS-FCBF by Rm22-02	ND	15	No
04/14/22	Room 24 Bubbler	MAPS-FB-24	8.04	15	No
04/14/22	Field Blank	MAPS-Blank	ND	15	No

Table 1: Edith Decker School

Date	Location Description	Sample Location Code	First Draw Result (ppb)	Action Ppb	Over Limit Yes/No
04/14/22	Hallway By Main Office Chiller	EDS-FCBF-HW by Main Office -01	ND	15	No
04/14/22	Hallway By Main Office Bottle Filler	EDS-FCBF-HW by Main Office -02	ND	15	No
04/14/22	Room 03 Bubbler	EDS-FB-03	10.9	15	No
04/14/22	Room 02 Bubbler	EDS-FB-02	11.5	15	No
04/14/22	Room 01 Bubbler	EDS-FB-01	5.85	15	No
04/14/22	Kitchen	EDS-KO-Kitchen-01	ND	15	No
04/14/22	Kitchen	EDS-KO-Kitchen-02	7.06	15	No
04/14/22	Kitchen	EDS-KO-Kitchen-03	4.53	15	No
04/14/22	Kitchen Island	EDS-KO-Kitchen-04	6.15	15	No
04/14/22	Gym	EDS-FC-Gym	ND	15	No
04/14/22	Nurse Sink	EDS-MO-Nurse	5.58	15	No
04/14/22	Room 05 Bubbler	EDS-FB-05	11.3	15	No
04/14/22	Room 10 Bubbler	EDS-FB-10	4.02	15	No
04/14/22	Room 06 Bubbler	EDS-FB-06	3.05	15	No
04/14/22	Room 07 Bubbler	EDS-FB-07	3.66	15	No
04/14/22	Room 08 Bubbler	EDS-FB-08	3.65	15	No
04/14/22	Room 09 Bubbler	EDS-FB-09	5.94	15	No
04/14/22	Field Blank	EDS-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 inSchools"

3. Guidance Document from NJDEP Division of Water Supply and Geoscience – "Lead inDrinking Water: Guidance for Schools and Child Care Facilities Served by Public Water."

Thirty-six (36) first draw samples, including field blanks were collected while at each 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 CONCLUTION

- 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

Mount Arlington Public School

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

5/9/2022

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 4/20/2022. The results are tabulated on the attached data pages for the following client designated project:

MAPS DW 1st Draw

The reference number for these samples is EMSL Order #012206462. 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

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: 012206462
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: 4/20/2022 12:00 AM

Project: **MAPS DW 1st Draw**

Analytical Results

Client Sample Description MAPS-1
MAPS-SO-33
Collected: 4/14/2022 7:06:00 AM
Lab ID: *012206462-0001*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	6.04	1.00	µg/L	5/5/2022 VD	5/5/2022 18:10 VD

Client Sample Description MAPS-2
MAPS-TL-28
Collected: 4/14/2022 7:10:00 AM
Lab ID: *012206462-0002*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	ND	1.00	µg/L	5/5/2022 VD	5/5/2022 18:15 VD

Client Sample Description MAPS-3
MAPS-MO-NURSE
Collected: 4/14/2022 7:12:00 AM
Lab ID: *012206462-0003*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	4.21	1.00	µg/L	5/5/2022 VD	5/5/2022 18:16 VD

Client Sample Description MAPS-4
MAPS-FCBF-BY MAIN OFFICE-01
Collected: 4/14/2022 7:13:00 AM
Lab ID: *012206462-0004*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	ND	1.00	µg/L	5/5/2022 VD	5/5/2022 18:18 VD

Client Sample Description MAPS-5
MAPS-FCBF-BY MAIN OFFICE-02
Collected: 4/14/2022 7:15:00 AM
Lab ID: *012206462-0005*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	ND	1.00	µg/L	5/5/2022 VD	5/5/2022 18:19 VD

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

EMSL Order: 012206462
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: 4/20/2022 12:00 AM

Project: **MAPS DW 1st Draw**

Analytical Results

Client Sample Description MAPS-6
MAPS-KO-KITCHEN-01
Collected: 4/14/2022 7:16:00 AM
Lab ID: *012206462-0006*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	1.75	1.00	µg/L	5/5/2022 VD	5/5/2022 18:24 VD

Client Sample Description MAPS-7
MAPS-KO-KITCHEN-02
Collected: 4/14/2022 7:17:00 AM
Lab ID: *012206462-0007*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	2.03	1.00	µg/L	5/5/2022 VD	5/5/2022 18:25 VD

Client Sample Description MAPS-8
MAPS-FB-14
Collected: 4/14/2022 7:19:00 AM
Lab ID: *012206462-0008*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	10.9	1.00	µg/L	5/5/2022 VD	5/5/2022 18:27 VD

Client Sample Description MAPS-9
MAPS-FB-11
Collected: 4/14/2022 7:20:00 AM
Lab ID: *012206462-0009*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	11.1	1.00	µg/L	5/5/2022 VD	5/5/2022 18:29 VD

Client Sample Description MAPS-10
MAPS-FC-BY RM09-01
Collected: 4/14/2022 7:21:00 AM
Lab ID: *012206462-0010*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	ND	1.00	µg/L	5/5/2022 VD	5/5/2022 18:30 VD

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

EMSL Order: 012206462
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: 4/20/2022 12:00 AM

Project: **MAPS DW 1st Draw**

Analytical Results

Client Sample Description MAPS-11
MAPS-FC-BY RM09-02
Collected: 4/14/2022 7:22:00 AM
Lab ID: *012206462-0011*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	ND	1.00	µg/L	5/5/2022 VD	5/5/2022 18:32 VD

Client Sample Description MAPS-12
MAPS-FC-BY RM09-03
Collected: 4/14/2022 7:23:00 AM
Lab ID: *012206462-0012*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	ND	1.00	µg/L	5/5/2022 VD	5/5/2022 18:36 VD

Client Sample Description MAPS-13
MAPS-FC-GIRLS LOCKERRM
Collected: 4/14/2022 7:29:00 AM
Lab ID: *012206462-0013*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	3.02	1.00	µg/L	5/5/2022 VD	5/5/2022 18:38 VD

Client Sample Description MAPS-14
MAPS-FB-APR
Collected: 4/14/2022 7:33:00 AM
Lab ID: *012206462-0014*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	7.03	1.00	µg/L	5/5/2022 VD	5/5/2022 18:43 VD

Client Sample Description MAPS-15
MAPS-FCBF BY RM22-01
Collected: 4/14/2022 7:34:00 AM
Lab ID: *012206462-0015*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	ND	1.00	µg/L	5/5/2022 VD	5/5/2022 18:44 VD

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

EMSL Order: 012206462
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: 4/20/2022 12:00 AM

Project: **MAPS DW 1st Draw**

Analytical Results

Client Sample Description MAPS-16
MAPS-FCBF BY RM22-02
Collected: 4/14/2022 7:35:00 AM
Lab ID: *012206462-0016*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	ND	1.00	µg/L	5/5/2022 VD	5/5/2022 18:46 VD

Client Sample Description MAPS-17
MAPS-FB-24
Collected: 4/14/2022 7:37:00 AM
Lab ID: *012206462-0017*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	8.04	1.00	µg/L	5/5/2022 VD	5/5/2022 18:47 VD

Client Sample Description MAPS-18
MAPS-BLANK
Collected: 4/14/2022 7:45:00 AM
Lab ID: *012206462-0018*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	ND	1.00	µg/L	5/5/2022 VD	5/5/2022 18:49 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

OrderID: 012206462

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Lead (Pb) Chain of Custody

EMSL Order ID *(Lab Use Only)*: 012206462

EMSL ANALYTICAL, INC.
200 ROUTE 130 NORTH
CINNAMINSON, NJ 08077
PHONE:856-858-4800
FAX:856-786-5971

Company : AERO Environmenal Services Inc.	EMSL-Bill to: ☐ Same ☐ Different If Bill to is Different note instructions in Comments**
Street: 275 Rt 10 East, Suite 220-306	*Third Party Billing requires written authorization from third party*
City: Succasunna / State/Province: NJ	Zip/Postal Code: 07876 / Country: USA
Report To (Name): Michael Berta	Telephone #: 973 920 9061
Email Address: mberta@aeroenvironmental.net	Fax #: 973 529 0335 / Purchase Order:
Project Name/Number: MAPS DW 1st Draw	Please Provide Results: ☐ Fax ☒ Email
U.S. State Samples Taken: NJ	CT Samples: ☐ Commercial/Taxable ☐ Residential/Tax Exempt

Turnaround Time (TAT) Options* - Please Check

☐ 3 Hour | ☐ 6 Hour | ☐ 24 Hour | ☐ 48 Hour | ☐ 72 Hour | ☐ 96 Hour | ☐ 1 Week | ☐ 2 Week

**Analysis completed in accordance with EMSL's Terms and Conditions located in the Price Guide*

Matrix	Method	Instrument	Reporting Limit	Check
Chips ☐ % by wt. ☐ mg/cm² ☐ ppm	SW846-7000B	Flame Atomic Absorption	0.01%	☐
Air	NIOSH 7082	Flame Atomic Absorption	4 µg/filter	☐
	NIOSH 7105	Graphite Furnace AA	0.03 µg/filter	☐
	NIOSH 7300 modified	ICP-AES/ICP-MS	0.5 µg/filter	☐
Wipe* ASTM ☐ non ASTM ☐ *if no box is checked, non-ASTM Wipe is assumed	SW846-7000B	Flame Atomic Absorption	10 µg/wipe	☐
	SW846-6010B or C	ICP-AES	1.0 µg/wipe	☐
	SW846-7000B/7010	Graphite Furnace AA	0.075 µg/wipe	☐
TCLP	SW846-1311/7000B/SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
	SW846-1131/SW846-6010B or C	ICP-AES	0.1 mg/L (ppm)	☐
Soil	SW846-7000B	Flame Atomic Absorption	40 mg/kg (ppm)	☐
	SW846-7010	Graphite Furnace AA	0.3 mg/kg (ppm)	☐
	SW846-6010B or C	ICP-AES	2 mg/kg (ppm)	☐
Wastewater Unpreserved ☐ Preserved with HNO_3 pH < 2 ☐	SM3111B/SW846-7000B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)	☐
	EPA 200.7	ICP-AES	0.020 mg/L (ppm)	☐
Drinking Water Unpreserved ☐ Preserved with HNO_3 pH < 2 ☐	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)	☐
	EPA 200.8	ICP-MS	0.001 mg/L (ppm)	☒
TSP/SPM Filter	40 CFR Part 50	ICP-AES	12 µg/filter	☐
	40 CFR Part 50	Graphite Furnace AA	3.6 µg/filter	☐
Other:				☐

Name of Sampler: Michael Berta **Signature of Sampler:** [signature]

	Sample #	Location	Volume/Area	Date/Time Sampled
1	MAPS-1	MAPS-SO-33	250 ml	04/14/22 706
2	MAPS-2	MAPS-TL-28	250 ml	04/14/22 710
3	MAPS-3	MAPS-MO-Nurse	250 ml	04/14/22 712
4	MAPS-4	MAPS-FCBF-by Main Office-01	250 ml	04/14/22 713
5	MAPS-5	MAPS-FCBF-by Main Office-02	250 ml	04/14/22 715

Client Sample #'s MAPS - EDS-18 **Total # of Samples:** 18

Relinquished (Client): [signature] **Date:** 4/19/22 **Time:** 900

Received (Lab): [signature] (MT) **Date:** 4.19.22 **Time:** 103pm

Comments:
4/20/22 @ 10:12 HNO3 added

[signature] 4/19/22

[signature] 4/20/22 9:49pm

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

LEAD (Pb) CHAIN OF CUSTODY

EMSL ORDER ID *(Lab Use Only)*: 012206462

EMSL ANALYTICAL, INC.
200 ROUTE 130 NORTH
CINNAMINSON, NJ 08077
PHONE: (800) 220-3675
FAX: (856) 786-5974

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

	Sample #	Location	Volume/Area	Date/Time Sampled
6	MAPS-6	MAPS-KO-Kitchen-01	250 ml	04/14/22 716
7	MAPS-7	MAPS-KO-Kitchen-02	250 ml	04/14/22 717
8	MAPS-8	MAPS-FB-14	250 ml	04/14/22 719
9	MAPS-9	MAPS-FB-11	250 ml	04/14/22 720
10	MAPS-10	MAPS-FC-by Rm09-01	250 ml	04/14/22 721
11	MAPS-11	MAPS-FC-by Rm09-02	250 ml	04/14/22 722
12	MAPS-12	MAPS-FC-by Rm09-03	250 ml	04/14/22 723
13	MAPS-13	MAPS-FC-Girls LockerRm	250 ml	04/14/22 729
14	MAPS-14	MAPS-FB-APR	250 ml	04/14/22 733
15	MAPS-15	MAPS-FCBF by Rm22-01	250 ml	04/14/22 734
16	MAPS-16	MAPS-FCBF by Rm22-02	250 ml	04/14/22 735
17	MAPS-17	MAPS-FB-24	250 ml	04/14/22 737
18	MAPS-18	MAPS-BLANK	250 ml	04/14/22 745

Comments/Special Instructions:

Page ___2___ of 2 pages

APPENDIX 2

Edith Decker School

LABORATORY ANLYSIS 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

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Suite 220-306
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Phone: (973) 920-9061
Fax: (973) 529-0335

5/6/2022

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 4/20/2022. The results are tabulated on the attached data pages for the following client designated project:

Edith Decker ES DW 1st Draw

The reference number for these samples is EMSL Order #012206346. 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

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: 012206346
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: 4/20/2022 12:00 AM

Project: **Edith Decker ES DW 1st Draw**

Analytical Results

Client Sample Description EDS-1
EDS-FCBF-HW BY Main Office -01
Collected: 4/14/2022 7:50:00 AM
Lab ID: *012206346-0001*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	ND	1.00	µg/L	5/4/2022 VD	5/4/2022 22:19 VD

Client Sample Description EDS-2
EDS-FCBF-HW BY Main Office -02
Collected: 4/14/2022 7:51:00 AM
Lab ID: *012206346-0002*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	ND	1.00	µg/L	5/4/2022 VD	5/4/2022 22:27 VD

Client Sample Description EDS-3
EDS-FB-03
Collected: 4/14/2022 7:53:00 AM
Lab ID: *012206346-0003*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	10.9	1.00	µg/L	5/4/2022 VD	5/4/2022 22:28 VD

Client Sample Description EDS-4
EDS-FB-02
Collected: 4/14/2022 7:55:00 AM
Lab ID: *012206346-0004*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	11.5	1.00	µg/L	5/4/2022 VD	5/4/2022 22:30 VD

Client Sample Description EDS-5
EDS-FB-01
Collected: 4/14/2022 7:57:00 AM
Lab ID: *012206346-0005*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	5.85	1.00	µg/L	5/4/2022 VD	5/4/2022 22:31 VD

EMSL Analytical, Inc.
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EMSL Order: 012206346
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: 4/20/2022 12:00 AM

Project: **Edith Decker ES DW 1st Draw**

Analytical Results

Client Sample Description EDS-6
EDS-KO-KITCHEN-01
Collected: 4/14/2022 7:59:00 AM
Lab ID: *012206346-0006*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	ND	1.00	µg/L	5/4/2022 VD	5/4/2022 22:33 VD

Client Sample Description EDS-7
EDS-KO-KITCHEN-02
Collected: 4/14/2022 8:00:00 AM
Lab ID: *012206346-0007*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	7.06	1.00	µg/L	5/2/2022 EM	5/3/2022 18:22 JW

Client Sample Description EDS-8
EDS-KO-KITCHEN-03
Collected: 4/14/2022 8:01:00 AM
Lab ID: *012206346-0008*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	4.53	1.00	µg/L	5/2/2022 EM	5/3/2022 18:25 JW

Client Sample Description EDS-9
EDS-KO-KITCHEN-04
Collected: 4/14/2022 8:02:00 AM
Lab ID: *012206346-0009*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	6.15	1.00	µg/L	5/2/2022 EM	5/3/2022 18:28 JW

Client Sample Description EDS-10
EDS-FC-GYM
Collected: 4/14/2022 8:05:00 AM
Lab ID: *012206346-0010*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	ND	1.00	µg/L	5/2/2022 EM	5/3/2022 18:31 JW

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

EMSL Order: 012206346
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: 4/20/2022 12:00 AM

Project: **Edith Decker ES DW 1st Draw**

Analytical Results

Client Sample Description EDS-11
EDS-MO-NURSE
Collected: 4/14/2022 8:08:00 AM
Lab ID: *012206346-0011*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	5.58	1.00	µg/L	5/2/2022 EM	5/3/2022 18:40 JW

Client Sample Description EDS-12
EDS-FB-05
Collected: 4/14/2022 8:10:00 AM
Lab ID: *012206346-0012*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	11.3	1.00	µg/L	5/4/2022 VD	5/4/2022 22:34 VD

Client Sample Description EDS-13
EDS-FB-10
Collected: 4/14/2022 8:12:00 AM
Lab ID: *012206346-0013*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	4.02	1.00	µg/L	5/4/2022 VD	5/4/2022 22:36 VD

Client Sample Description EDS-14
EDS-FB-06
Collected: 4/14/2022 8:13:00 AM
Lab ID: *012206346-0014*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	3.05	1.00	µg/L	5/4/2022 VD	5/4/2022 22:37 VD

Client Sample Description EDS-15
EDS-FB-07
Collected: 4/14/2022 8:15:00 AM
Lab ID: *012206346-0015*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	3.66	1.00	µg/L	5/4/2022 VD	5/4/2022 22:39 VD

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

EMSL Order: 012206346
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: 4/20/2022 12:00 AM

Project: **Edith Decker ES DW 1st Draw**

Analytical Results

Client Sample Description EDS-16
EDS-FB-08
Collected: 4/14/2022 8:17:00 AM
Lab ID: *012206346-0016*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	3.65	1.00	µg/L	5/4/2022 VD	5/4/2022 22:44 VD

Client Sample Description EDS-17
EDS-FB-09
Collected: 4/14/2022 8:19:00 AM
Lab ID: *012206346-0017*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	5.94	1.00	µg/L	5/4/2022 VD	5/4/2022 22:48 VD

Client Sample Description EDS-18
EDS-BLANK
Collected: 4/14/2022 8:20:00 AM
Lab ID: *012206346-0018*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	ND	1.00	µg/L	5/4/2022 VD	5/4/2022 22:50 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

OrderID: 012206346

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Lead (Pb) Chain of Custody

EMSL Order ID *(Lab Use Only)*: 012206346

EMSL ANALYTICAL, INC.
200 ROUTE 130 NORTH
CINNAMINSON, NJ 08077
PHONE:856-858-4800
FAX:856-786-5971

Company : AERO Environmenal Services Inc.	EMSL-Bill to: ☐ Same ☐ Different If Bill to is Different note instructions in Comments**
Street: 275 Rt 10 East, Suite 220-306	*Third Party Billing requires written authorization from third party*
City: Succasunna / State/Province: NJ	Zip/Postal Code: 07876 / Country: USA
Report To (Name): Michael Berta	Telephone #: 973 920 9061
Email Address: mberta@aeroenvironmental.net	Fax #: 973 529 0335 / Purchase Order:
Project Name/Number: Edith Decker ES DW 1st Draw	Please Provide Results: ☐ Fax ☒ Email
U.S. State Samples Taken: NJ	CT Samples: ☐ Commercial/Taxable ☐ Residential/Tax Exempt

Turnaround Time (TAT) Options* - Please Check

☐ 3 Hour | ☐ 6 Hour | ☐ 24 Hour | ☐ 48 Hour | ☐ 72 Hour | ☐ 96 Hour | ☐ 1 Week | ☒ 2 Week

**Analysis completed in accordance with EMSL's Terms and Conditions located in the Price Guide*

Matrix	Method	Instrument	Reporting Limit	Check
Chips ☐ % by wt. ☐ mg/cm² ☐ ppm	SW846-7000B	Flame Atomic Absorption	0.01%	☐
Air	NIOSH 7082	Flame Atomic Absorption	4 µg/filter	☐
	NIOSH 7105	Graphite Furnace AA	0.03 µg/filter	☐
	NIOSH 7300 modified	ICP-AES/ICP-MS	0.5 µg/filter	☐
Wipe* ASTM ☐ non ASTM ☐ *if no box is checked, non-ASTM Wipe is assumed	SW846-7000B	Flame Atomic Absorption	10 µg/wipe	☐
	SW846-6010B or C	ICP-AES	1.0 µg/wipe	☐
	SW846-7000B/7010	Graphite Furnace AA	0.075 µg/wipe	☐
TCLP	SW846-1311/7000B/SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
	SW846-1131/SW846-6010B or C	ICP-AES	0.1 mg/L (ppm)	☐
Soil	SW846-7000B	Flame Atomic Absorption	40 mg/kg (ppm)	☐
	SW846-7010	Graphite Furnace AA	0.3 mg/kg (ppm)	☐
	SW846-6010B or C	ICP-AES	2 mg/kg (ppm)	☐
Wastewater Unpreserved ☐ Preserved with HNO_3 pH < 2 ☐	SM3111B/SW846-7000B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)	☐
	EPA 200.7	ICP-AES	0.020 mg/L (ppm)	☐
Drinking Water Unpreserved ☐ Preserved with HNO_3 pH < 2 ☐	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)	☐
	EPA 200.8	ICP-MS	0.001 mg/L (ppm)	☒
TSP/SPM Filter	40 CFR Part 50	ICP-AES	12 µg/filter	☐
	40 CFR Part 50	Graphite Furnace AA	3.6 µg/filter	☐
Other:				☐

Name of Sampler: Michael Berta **Signature of Sampler:** [signature]

	Sample #	Location	Volume/Area	Date/Time Sampled
1	EDS-1	EDS-FCBF-HW by Main Office -01	250 ml	04/14/22 750
2	EDS-2	EDS-FCBF-HW by Main Office -02	250 ml	04/14/22 751
3	EDS-3	EDS-FB-03	250 ml	04/14/22 753
4	EDS-4	EDS-FB-02	250 ml	04/14/22 755
5	EDS-5	EDS-FB-01	250 ml	04/14/22 757

Client Sample #'s EDS-1 - ~~EDS-18~~ **Total # of Samples:** 18

Relinquished (Client): [signature] **Date:** 4/19/22 **Time:** 1300

Received (Lab): [signature] **Date:** 4.19.22 **Time:** 103 pm

Comments:
4/20/22
HNO3 added
PL 10:09

4/19/22

Page 1 of 2 pages

17:40
Ellyn 4/20/22 9 am

EMSL ANALYTICAL, INC.
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LEAD (Pb) CHAIN OF CUSTODY

EMSL ORDER ID *(Lab Use Only)*: 012206346

EMSL ANALYTICAL, INC.
200 ROUTE 130 NORTH
CINNAMINSON, NJ 08077
PHONE: (800) 220-3675
FAX: (856) 786-5974

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

	Sample #	Location	Volume/Area	Date/Time Sampled
6	EDS-6	EDS-KO-Kitchen-01	250 ml	04/14/22 759
7	EDS-7	EDS-KO-Kitchen-02	250 ml	04/14/22 800
8	EDS-8	EDS-KO-Kitchen-03	250 ml	04/14/22 801
9	EDS-9	EDS-KO-Kitchen-04	250 ml	04/14/22 802
10	EDS-10	EDS-FC-Gym	250 ml	04/14/22 805
11	EDS-11	EDS-MO-Nurse	250 ml	04/14/22 808
12	EDS-12	EDS-FB-05	250 ml	04/14/22 810
13	EDS-13	EDS-FB-10	250 ml	04/14/22 812
14	EDS-14	EDS-FB-06	250 ml	04/14/22 813
15	EDS-15	EDS-FB-07	250 ml	04/14/22 815
16	EDS-16	EDS-FB-08	250 ml	04/14/22 817
17	EDS-17	EDS-FB-09	250 ml	04/14/22 819
18	EDS-18	EDS-Blank	250 ml	04/14/22 82

Comments/Special Instructions: