

Public Schools of Edison Township

312 Pierson Avenue * Edison, New Jersey 08837 Telephone (732) 452-4550 Fax (732) 452-4555

Bernard F. Bragen, Jr., Ed.D. Superintendent of Schools

Ann Kluck
Assistant Business Administrator/
Board Secretary

June 27, 2022

James Madison Intermediate School 838 New Dover Rd. Edison, NJ 08820

Dear James Madison Intermediate Community,

Our school system is committed to protecting student, teacher, and staff health. To protect our community and be in compliance with the Department of Education regulations, Edison Township Public School District tested our schools' drinking water for lead.

In accordance with the Department of Education regulations, James Madison Intermediate School will implement immediate remedial measures for any drinking water outlet with a result greater than the action level of 15 µg/l (parts per billion [ppb]). This includes turning off the outlet unless it is determined the location must remain on for non-drinking purposes. Accordingly, all sources found to contain action levels were immediately taken out of service.

Results of our Testing

Following instructions given in technical guidance developed by the New Jersey Department of Environmental Protection, we completed a plumbing profile for each of the buildings within Edison Township Public School District. Through this effort, we identified and tested all drinking water and food preparation outlets. Of the twelve samples taken, all but one tested below the lead action level established by the US Environmental Protection Agency for lead in drinking water (15 μ g/l [ppb]).

The table below identifies the drinking water outlets that tested above the 15 μ g/l for lead, the actual lead level, and what temporary remedial action Edison Township Public School District has taken to reduce the levels of lead at these locations.

Sample Location	First Draw Result in µg/l (ppb)	LCR Action Level (1) (ppb)	Remedial Action
Water Fountain next to room 9 (L), Sample #11 FD	16.3	15.0	The fixture was taken out of service and new plumbing materials were ordered to alleviate the above threshold readings. The fixture will remain out of service until future testing provides results below action level.

Health Effects of Lead

High levels of lead in drinking water can cause health problems. Lead is most dangerous for pregnant women, infants, and children under 6 years of age. It can cause damage to the brain and kidneys and can interfere with the production of red blood cells that carry oxygen to all parts of your body. Exposure to high levels of lead during pregnancy contributes to low birth weight and developmental delays in infants. In young children, lead exposure can lower IQ levels, affect hearing, reduce attention span, and hurt school performance. At *very* high levels, lead can even cause brain damage. Adults with kidney problems and high blood pressure can be affected by low levels of lead more than healthy adults.

How Lead Enters our Water

Lead is unusual among drinking water contaminants in that it seldom occurs naturally in water supplies like groundwater, rivers and lakes. Lead enters drinking water primarily as a result of the corrosion, or wearing away, of materials containing lead in the water distribution system and in building plumbing. These materials include lead-based solder used to join copper pipe, brass, and chrome-plated brass faucets. In 1986, Congress banned the use of lead solder containing greater than 0.2% lead, and restricted the lead content of faucets, pipes and other plumbing materials. However, even the lead in plumbing materials meeting these new requirements is subject to corrosion. When water stands in lead pipes or plumbing systems containing lead for several hours or more, the lead may dissolve into the drinking water. This means the first water drawn from the tap in the morning *may* contain fairly high levels of lead.

Lead in Drinking Water

Lead in drinking water, although rarely the sole cause of lead poisoning can significantly increase a person's total lead exposure, particularly the exposure of children under the age of 6. EPA estimates that drinking water can make up 20% or more of a person's total exposure to lead.

For More Information

A copy of the test results is available in our central office for inspection by the public, including students, teachers, other school personnel, and parents, and can be viewed between the hours of 8:30 a.m. and 4:00 p.m. and are also available on our website at **www.edison.k12.nj.us**. For more information about water quality in our schools, contact William Kolibas, Director of Buildings & Grounds at (732) 452-4550.

For more information on reducing lead exposure around your home and the health effects of lead, visit EPA's Web site at **www.epa.gov/lead**, call the National Lead Information Center at 800-424-LEAD, or contact your health care provider.

If you are concerned about lead exposure at this facility, you may want to ask your health care providers about testing children to determine levels of lead in their blood.

Sincerely,

Bernard F. Bragen, Jr., Ed.D.

Superintendent of Schools



William Kolibas Public Schools of Edison Township 312 Pierson Avenue Edison, NJ 08837

RE: [James Madison Intermediate - 838 New Dover Road] – Lead in Water Summary Table {Omega Project #: 21-1275-3}

Samples collected on 11/17/2021

RESULTS TABLE SUMMARY:

			L	ead
Sample #	Outlet #/Location	1st Draw (FD) Or Flush (FL)	Results (ppb)	LCR Action Level ⁽¹⁾ (ppb)
01 FD	13/Kitchen Sink	FD	ND	15
02 FD	12/Sink in Nurse's Office	FD	2.49	15
03 FD	12A/Water Fountain by Nurse's Office – Being replaced	FD	NS	15
04 FD	01/Water Fountain Next to Room 5– Being replaced	FD	NS	15
05 FD	12/Water Fountain Across Room 7 (R)	FD	5.04	15
06 FD	23/Water Fountain Across Room 13 (R) — Being replaced	FD	NS	15
07 FD	24/Water Fountain Across Room 13 (L) – Being replaced	FD	NS	15
08 FD	25/Water Fountain Across Room 19 (R)	FD	ND	15
09 FD	38/Faculty Sink	FD	5.01	15
10 FD	20/Water Fountain Near Room 26 (R)	FD	ND	15
11FD	Water Fountain Next to Room 9 (L)	FD	16.3	15
12	Field Blank	Blank	ND	15

Take any outlets with results above 15.5 ppb out of service pending further investigation/remediation.

(1) EPA Lead in Copper Rule (1991) Action Level for water suppliers (municipalities and private wells) and March 2016 Newark Public Schools Lead Water Testing Sampling Plan.

FD - First Draw Sample

ND - None Detected

NS - Not Sampled

NA - Not Analyzed



EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

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

Attn:

Lab

12/3/2021

Omega Environmental Services 280 Huyler Street South Hackensack, NJ 07606

Phone: (201) 489-8700

Fax:

(201) 489-8797

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 11/24/2021. The results are tabulated on the attached data pages for the following client designated project:

Edison BOE/ Madison/ 21-1275-3

The reference number for these samples is EMSL Order #012113604. Please use this reference when calling about these samples. If you have any questions, please do not hesitate to contact me at (856) 303-2500.

Approved By:

Phillip Worby, Environmental Chemistry **Laboratory Director**



The test results contained within this report meet the requirements of NELAP and/or the specific certification program that is applicable, unless otherwise noted. NELAP Certifications: NJ 03036, NY 10872, PA 68-00367, CA ELAP 1877

The samples associated with this report were received in good condition unless otherwise noted. This report relates only to those items tested as received by the laboratory. The QC data associated with the sample results meet the recovery and precision requirements established by the NELAP, unless specifically indicated. All results for soil samples are reported on a dry weight basis, unless otherwise noted. This report may not be reproduced except in full and without written approval by EMSL Analytical, Inc.



EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077 Phone/Fax: (856) 303-2500 / (856) 858-4571

http://www.EMSL.com

EnvChemistry2@emsl.com

Phone:

(201) 489-8700 (201) 489-8797

Fax: Received:

11/24/2021 09:00 AM

EMSL Order:

CustomerID:

CustomerPO:

ProjectID:

012113604

OMEG50

21-1275-3

Attn: Lab Ome

Omega Environmental Services 280 Huyler Street South Hackensack, NJ 07606

Project: Edison BOE/ Madison/ 21-1275-3

Analytical Results

	Analytical i	Results			
Client Sample Description	01 FD Kitchen Sink	Collected:	11/17/2021 6:39:00 AM		012113604-0001
Method)	Parameter Result	RL Unit	ts	Prep Date & Analyst	Analysis Date & Analyst
METALS					and the second of the second o
200.8	.ead ND	1. 0 0 µg/L		11/29/2021 KB	11/30/2021 KB 01:47
Client Sample Description	02 FD Sink in Nurse's Office	Collected:	11/17/2021 6:43:00 AM		012113604-0002
Method /	Parameter Result	RL Unit	Ís	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	_ead 2.49	1.00 µg/L		11/29/2021 KB	11/30/2021 KB 01:49
Client Sample Description	05 FD Water Fountain Across Room 7 ®	Collected:	11/17/2021 6:47:00 AM	Lab ID:	012113604-0003
Method I	Parameter Result	RL Unit	ís	Prep Date & Analyst	Analysis Date & Analyst
METALS					inninita (audumiki kishiri
200.8 ι	ead 5.04	1,00 µg/L		11/29/2021 KB	11/30/2021 KB 01:50
Client Sample Description	08 FD Water Fountain Across Room 19 / Bottle	Collected:	11/17/2021 7:02:00 AM	Lab ID:	012113604-0004
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Method F	Parameter Result	RL Unit	s	Prep Date & Analyst	Analysis Date & Analyst
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200.8 L	.ead ND	1.00 µg/L		11/29/2021 KB	11/30/2021 KB 01:51
Client Sample Description	09 FD Faculty Sink	Collected:	11/17/2021 7:04:00 AM	Lab ID:	012113604-0005
Method F	?arameter Result	RL Unit	S	Prep Date & Analyst	Analysis Date & Analyst
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		1.00 μg/L		11/29/2021 C	11/30/2021 18:59



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

CustomerID: CustomerPO:

EMSL Order:

012113604 OMEG50

21-1275-3

ProjectID:

Attn: Lab

Omega Environmental Services 280 Huyler Street South Hackensack, NJ 07606

Project: Edison BOE/ Madison/ 21-1275-3

Phone: Fax:

(201) 489-8700 (201) 489-8797

Received:

11/24/2021 09:00 AM

·	Analytical R	tesults			•
Client Sample Description	10 FD Water Fountain Near Room 27	Collected:	11/17/2021 7:10:00 AM	Lab ID:	012113604-0006
Method P	arameter Result	RL Uni	<i>ts</i>	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8 Le	ead ND	1.00 µg/l	<u>.</u>	1/29/2021 KB	11/30/2021 KB 01:56
Client Sample Description	11 FD Water Fountain Near Room 9 (L)	Collected:	11/17/2021 6:55:00 AM	Lab ID:	012113604-0007
Method P.	arameter Result	RL Uni	(s	Prep Date & Analyst	Analysis Date & Analyst
METALS		***************************************			
200.8 Le	ead 16.3	1.00 µg/l	<u>.</u>	1/29/2021 KB	11/30/2021 KB 01:57
Client Sample Description	12 Blank	Collected:	11/17/2021	Lab ID:	012113604-0008
Method Pa	arameter Result	RL Uni	ís.	Prep Date & Analyst	Analysis Date & Analyst
METALS 200.8 Le	n D	1.00 µg/Լ		1/29/2021 IC	11/30/2021 JW 19:01

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: 012113604



Lead Chain of Custody

EMSL Order Number / Lab Use Only

EMSL Analytical, Inc. 200 Route 130 North

0/2/13604

Cinnaminson, NJ 08077

PHONE: (800) 220-3675

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EMS. Analytical, Inc.'s Laboratory Terms and Conditions are incorporated into this Chain of Custody by reference in their entirally. Submission of samples to EMSL Analytical, Inc. constitutes acceptance and acknowledgment of all terms and conditions by Customer. Page 1 of 2

Flederica 1119 4191

9:10

Lead Chain of Custody

EMSL Order Number / Lab Use Only

EMSL Analytical, Inc. 200 Roule 130 North Cinneminson, NJ 08077

PHONE: (800) 220-3675

EMAIL: CinneminsonLeadLab@email.com

Special Instructions and/or Regulatory Requirements (Sample Specifications, Processing Mathods, Limits of Detection, etc.)

Madison 21-1275-3	ς č				
Sample Number	Outlet #	Sample Location	Volume / Area	Date / Time Sampled	SOCIOS
01 TD	13	Kitchen Sink	250 mL		
02 FD	12	Sink in Nurse's Office	250 로		
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