



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 $\mu\text{g/l}$ (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 $\mu\text{g/l}$ [ppb]).

The table below identifies the drinking water outlets that tested above the 15 $\mu\text{g/l}$ 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 $\mu\text{g/l}$ (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.

Nothing Less Than Excellence

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.

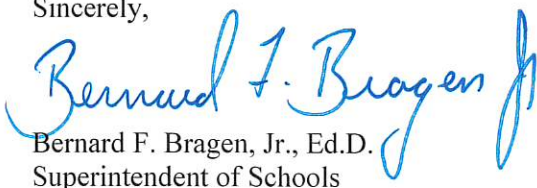
For More Information

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:

Sample #	Outlet #/Location	1 st Draw (FD) Or Flush (FL)	Lead	
			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

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

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

EMSL Order: 012113604

CustomerID: OMEG50

CustomerPO: 21-1275-3

ProjectID:

Attn: **Lab**
Omega Environmental Services
280 Huyler Street
South Hackensack, NJ 07606

Phone: (201) 489-8700
Fax: (201) 489-8797
Received: 11/24/2021 09:00 AM

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

Analytical Results

Client Sample Description 01 FD
Kitchen Sink
Collected: 11/17/2021
6:39:00 AM
Lab ID: 012113604-0001

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 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
Lab ID: 012113604-0002

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	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	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	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
Filler/Fountain
Collected: 11/17/2021
7:02:00 AM
Lab ID: 012113604-0004

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	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	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	5.01	1.00 µg/L	11/29/2021 IC	11/30/2021 JW 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

EMSL Order: 012113604

CustomerID: OMEG50

CustomerPO: 21-1275-3

ProjectID:

Attn: **Lab****Omega Environmental Services****280 Huyler Street****South Hackensack, NJ 07606**

Phone: (201) 489-8700

Fax: (201) 489-8797

Received: 11/24/2021 09:00 AM

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

Analytical Results

Client Sample Description 10 FD
Water Fountain Near Room 27

Collected: 11/17/2021
7:10:00 AM

Lab ID: 012113604-0006

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	11/29/2021 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	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	16.3	1.00 µg/L	11/29/2021 KB	11/30/2021 KB 01:57

Client Sample Description 12
Blank

Collected: 11/17/2021

Lab ID: 012113604-0008

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	11/29/2021 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



EMSL ANALYTICAL, INC.
TESTING LABS • PRODUCTS • TRAINING

Lead Chain of Custody

EMSL Order Number / Lab Use Only

EMSL Analytical, Inc.
200 Route 130 North
Cinnaminson, NJ 08077

PHONE: (800) 220-3676

EMAIL: CinnaminsonLeadLab@emsl.com

012113604

Customer Information Customer ID: Company Name: Omega Environmental Contact Name: Street Address: 280 Huyler Street City, State, Zip: S. Hackensack, NJ 07606 Country: USA Phone: 201-489-8700 Email(s) for Report: Lab@omega-env.com		Billing Information Billing ID: Company Name: Omega Environmental Billing Contact: Street Address: 280 Huyler Street City, State, Zip: S. Hackensack, NJ 07606 Country: USA Phone: 201-489-8700 Email(s) for Invoice: ap@omega-env.com	
Project Information			
Project Name/No: Edison BOE/ Madison/ 21-1275-3		Purchase Order:	
EMSL LIMS Project ID:		US State where samples collected: NJ	
Sampled By Name: Keri-Dean Scardell		State of Connecticut (CT) must select project location: <input type="checkbox"/> Commercial (Taxable) <input type="checkbox"/> Residential (Non-Taxable)	
Sampled By Signature: <i>[Signature]</i>		No. of Samples in Shipment: 8	
Turn-Around-Time (TAT)			
<input type="checkbox"/> 3 Hour <input type="checkbox"/> 6 Hour <input type="checkbox"/> 24 Hour <input type="checkbox"/> 32 Hour <input type="checkbox"/> 48 Hour <input type="checkbox"/> 72 Hour <input type="checkbox"/> 96 Hour <input type="checkbox"/> 1 Week <input checked="" type="checkbox"/> 2 Week			
Please call ahead for large projects and/or turnaround times 6 Hours or Less. *32 Hour TAT available for select labs only; samples must be submitted by 11:00am.			
MATRIX	METHOD	INSTRUMENT	REPORTING LIMIT
CHIPS <input type="checkbox"/> % by wt. <input type="checkbox"/> ppm (mg/kg) <input type="checkbox"/> mg/liter	SW 846-7000B	Flame Atomic Absorption	0.004% (80ppm)
Reporting Limit based on a minimum 0.25g sample weight	SW 846-6010D	ICP-OES	0.0004% (4ppm)
	NIOSH 7082	Flame Atomic Absorption	4µg/filter
AIR	NIOSH 7300M / NIOSH 7303M	ICP-OES	0.5µg/filter
	NIOSH 7300M / NIOSH 7303M	ICP-MS	0.05µg/filter
WIPE <input type="checkbox"/> ASTM <input type="checkbox"/> NON-ASTM	SW 846-7000B	Flame Atomic Absorption	10µg/wipe
If no box is checked, non-ASTM Wipe is assumed	SW 846-6010D	ICP-OES	1.0µg/wipe
TCLP	SW 846-1311 / 7000B / SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)
	SW 846-1311 / SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)
SPLP	SW 846-1312 / 7000B / SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)
	SW 846-1312 / SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)
TTLC	22 CCR App. II, 7000B	Flame Atomic Absorption	40mg/kg (ppm)
	22 CCR App. II, SW 846-6010D*	ICP-OES	2mg/kg (ppm)
SYLC	22 CCR App. II, 7000B	Flame Atomic Absorption	0.4 mg/L (ppm)
	22 CCR App. II, SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)
Soil	SW 846-7000B	Flame Atomic Absorption	40mg/kg (ppm)
	SW 846-6010D*	ICP-OES	2mg/kg (ppm)
Wastewater	SM 3111B / SW 846-7000B	Flame Atomic Absorption	0.4 mg/L (ppm)
Unpreserved <input type="checkbox"/> PH<2	EPA 200.7	ICP-OES	0.020 mg/L (ppm)
Preserved with HNO3 <input type="checkbox"/> PH<2	EPA 200.5	ICP-OES	0.003 mg/L (ppm)
Drinking Water	EPA 200.8	ICP-MS	0.001 mg/L (ppm)
Unpreserved <input checked="" type="checkbox"/> PH<2	40 CFR Part 50	ICP-OES	12 µg/filter
Preserved with HNO3 <input checked="" type="checkbox"/> PH<2			
TSP/SPM Filter			
Other:			

Sample Number	Sample Location	Volume / Area	Date / Time Sampled
Samples begin on the following page			

Method of Shipment: Pick up		Sample Condition Upon Receipt:	
Relinquished by: <i>[Signature]</i>	Date/Time: 11/23/21 5:40	Received by:	Date/Time:
Relinquished by:	Date/Time:	Received by: <i>[Signature]</i>	Date/Time: 11/23/21 9:00

Controlled Document • QDC-26 Lead R16 4/19/2021

*30100 Available Upon Request



AGREE TO ELECTRONIC SIGNATURE (By checking, I consent to signing this Chain of Custody document by electronic signature.)

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

[Signature] 11/24/21 9:00 *[Signature]*



EMSL ANALYTICAL, INC.
TESTING LABORATORY
TESTING LABORATORY
TESTING LABORATORY

Lead Chain of Custody
EMSL Order Number / Lab Use Only

EMSL Analytical, Inc.
200 Route 130 North
Cherry Hill, NJ 08037

PHONE: (800) 220-3675
EMAIL: Cherryhill@emsl.com

Madison 21-1275-3

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

Sample Number	Outlet #	Sample Location	Volume / Area	Date / Time Sampled	Notes
01 FD	13	Kitchen Sink	250 mL	11/17/21 6:39	
02 FD	12	Sink in Nurse's Office	250 mL	6:43	
03 FD	12A	Water Fountain by Nurse's Office	250 mL		Being replaced by 6:47
04 FD	01	Water Fountain next to Room 5	250 mL	6:47	no fountain to be removed
05 FD	12A	Water Fountain across Room 7 (R)	250 mL	6:47	
06 FD	23	Water Fountain across Room 13 (R)	250 mL		
07 FD	24	Water Fountain across Room 13 (L)	250 mL		Water bottle being installed
08 FD	25	Water Fountain across Room 19 (R)	250 mL	7:07	Water bottle / Fountain
09 FD	38	Faculty Sink	250 mL	7:04	
10 FD	20	Water Fountain near Room 20	250 mL	7:10	
11 FD		Water Fountain Next to Room 9 (L)	250 mL	6:55	
12 FD		Blank			

Method of Shipment:

Requested by:

Relinquished by:

Sample Condition Upon Receipt

Received by:

Received by:

Date/Time

Date/Time

Date/Time
11/17/21 8:40

Received by:
JAN COUVERE

Date/Time
11/23/21 9:00