

# **The Scotch Plains-Fanwood Public Schools**

**512 Cedar Street  
Scotch Plains, New Jersey 07076**

June 13, 2022

William J. McGinn Elementary School  
1100 Roosevelt Avenue  
Scotch Plains, NJ 07076

Dear McGinn 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, Scotch Plains - Fanwood School District tested our schools' drinking water for lead.

In accordance with the Department of Education regulations, William J. McGinn has implemented 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. In these cases, a "DO NOT DRINK – SAFE FOR HANDWASHING ONLY" sign will be posted.

## **Testing Results**

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 Scotch Plains - Fanwood School District. Through this effort, we identified and tested all drinking water and food preparation outlets. Of the 37 samples taken, all but 1 tested below the lead action level established by the US Environmental Protection Agency for lead in drinking water (15 µg/l [ppb]).

The table below identifies the drinking water outlets that tested above the 15 µg/l for lead, the actual lead level, and what temporary remedial action Scotch Plains - Fanwood School District has taken to reduce the levels of lead at these locations.

<b>Sample Location</b>	<b>First Draw Result in µg/l (ppb)</b>	<b>Remedial Action</b>
Classroom 123 ID # MG.DW.FL.1.123	97.0 ug/L (ppb)	Disconnected outlet and posted signage "DO NOT DRINK - SAFE FOR HANDWASHING ONLY"

### 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 [SPFK12.ORG](http://SPFK12.ORG). For more information about water quality in our schools, contact Jeanne Cleary at 908-232-6161 x 41601.

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](http://www.epa.gov/lead), call the National Lead Information Center at 800-424-LEAD, or contact your healthcare provider.

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

Sincerely,  
Jeanne Cleary   
Director of Operations and Special Projects  
Scotch Plains - Fanwood Public Schools



20-21 Wagaraw Road – Bldg. 35E, Fair Lawn, NJ 07410  
PH (973) 636-9145 FAX (973) 636-9144  
Email: [Envirovision@optonline.net](mailto:Envirovision@optonline.net)

CLIENT: Scotch Plains – Fanwood School District Project No. 21-226  
PROJECT: Lead (Pb) in Water Sampling McGinn Elementary School  
ADDRESS: 1100 Roosevelt Ave, Scotch Plains, NJ 07076  
FIELD TECHNICIAN(S) Jordan Prysko  
REPORT DATE: January 11, 2022

As per your request, EnviroVision Consultants, Inc. was contracted by Scotch Plains – Fanwood School District to conduct Lead (Pb) in water sampling at the McGinn Elementary School on December 18, 2021. The sample locations, in addition to a unique sample location code was determined/assigned by school district personnel. The school district performed the proper flushing of outlets prior to sampling and EnviroVision was instructed to collect only first draw samples for this sampling event. The school district's corresponding flushing logs should be attached to this report.

The facility was closed at the time of sampling in order to prevent occupants from utilizing any water outlets. After flushing, the water in the facility must remain motionless in the plumbing fixtures for a minimum of 8 hours, but no more than 48 hours. Cold water samples were collected in pre-cleaned high-density polyethylene (HDPE) 250mL wide mouth bottles.

Samples were analyzed at EMSL Analytical Inc. in Cinnaminson, New Jersey \*(NJDEP# 03036), accredited in accordance with NELAC (National Environmental Laboratory Accreditation Conference). The analytical method utilized was inductively coupled plasma mass spectrometry ICP-MS (EPA 200.8).

Thirty-seven of the thirty-nine initially requested samples were collected from McGinn Elementary School. Two outlets were out of service at the time of sampling. A blank sample was also collected as required.

Results: Thirty-six of the thirty-seven samples analyzed were either "None Detected" or less than the EPA established threshold for lead in drinking water of 15 parts per billion (ppb). The action level has been further defined for compliance by the New Jersey Department of Environmental Protection Agency as an amount greater than or equal to 15.5 ug/L (1ug/L = 1ppb). When a water outlet/faucet meets or exceeds the USEPA/NJDEP threshold, EnviroVision recommends that the outlet/faucet be immediately put out of service until the system can be further evaluated and proper remedial action is achieved.



**MCGINN ELEMENTARY SCHOOL – LEAD (Pb) in Water Results of Concern**

Outlet ID/Sample Number	Location	Results
MG.DW.FL.1.123	Classroom 123	97.0 ug/L (ppb)

Due to the elevated levels in the above outlets, we recommend some or all of the following steps be taken at this time;

- Closure of the affected water outlet until the system can be further evaluated and proper remedial action is achieved.
- Removal and replacement with non-containing lead fixtures
- Installation of filtration systems.
- Development of a Flushing Program for those taps high in lead and turbidity (this may include automatic flushing systems).
- Contact the local water utility company to obtain information about their corrosion control procedures and how it might affect the District's control plans.
- Permanent closure of outlet(s).

Once the remedial action(s) are complete, follow up testing is required to ensure alterations/replacement to plumbing fixtures has lowered the amount of lead to acceptable levels.

I have also enclosed documents with detailed steps from the New Jersey Department of Environmental Protection regarding notifications that must be made, posting of results, and initial and long-term remedial requirements.

If you have any questions, or if we could be of any further assistance, please feel free to contact our office. EnviroVision looks forward to providing you with the service and attention to detail you have come to expect from us.

Sincerely,  
EnviroVision Consultants, Inc.

Cathy DiNardo

Cathy DiNardo, Project Manager

Attached: Lab results, Associated data sheets, DEP Overview of Lead in Drinking Water at School Facilities, DEP Guidance for Selecting a Remedial Measure for Lead Removal



**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

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

Attn: **Frederick Larson**  
**EnviroVision Consultants, Inc**  
**20-21 Wagaraw Rd**  
**Bldg 35E**  
**Fair Lawn, NJ 07410**

1/5/2022

Phone: (973) 636-9145  
Fax: (973) 636-9144

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 12/20/2021. The results are tabulated on the attached data pages for the following client designated project:

**21-226 Scotch Plains/Fanwood PS - McGinn ES**

The reference number for these samples is EMSL Order #012115060. 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](mailto:EnvChemistry2@emsl.com)

EMSL Order: 012115060  
CustomerID: RAMA51  
CustomerPO: 21-226  
ProjectID:

Attn: **Frederick Larson**  
**EnviroVision Consultants, Inc**  
**20-21 Wagaraw Rd**  
**Bldg 35E**  
**Fair Lawn, NJ 07410**

Phone: (973) 636-9145  
Fax: (973) 636-9144  
Received: 12/20/2021 09:00 AM

Project: 21-226 Scotch Plains/Fanwood PS - McGinn ES

**Analytical Results**

**Client Sample Description** MG.WC.FI-1.159A  
Hallway at 159  
**Collected:** 12/18/2021 8:33:00 AM  
**Lab ID:** 012115060-0001

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
--------	-----------	--------	----------	---------------------	-------------------------

**METALS**

200.8	Lead	ND	1.00 µg/L	1/4/2022 KB	1/4/2022 22:42 KB
-------	------	----	-----------	-------------	-------------------

**Client Sample Description** MG.TL.FI-1.115  
Room 115  
**Collected:** 12/18/2021 8:37:00 AM  
**Lab ID:** 012115060-0002

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
--------	-----------	--------	----------	---------------------	-------------------------

**METALS**

200.8	Lead	10.2	1.00 µg/L	1/4/2022 KB	1/4/2022 22:43 KB
-------	------	------	-----------	-------------	-------------------

**Client Sample Description** MG.WC.FI-1.MPR  
Room 111  
**Collected:** 12/18/2021 8:40:00 AM  
**Lab ID:** 012115060-0003

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
--------	-----------	--------	----------	---------------------	-------------------------

**METALS**

200.8	Lead	ND	1.00 µg/L	1/4/2022 KB	1/4/2022 22:45 KB
-------	------	----	-----------	-------------	-------------------

**Client Sample Description** MG.WC.FI-1.112-1L  
Hallway at 112  
**Collected:** 12/18/2021 8:43:00 AM  
**Lab ID:** 012115060-0004

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
--------	-----------	--------	----------	---------------------	-------------------------

**METALS**

200.8	Lead	ND	1.00 µg/L	1/4/2022 KB	1/4/2022 22:46 KB
-------	------	----	-----------	-------------	-------------------

**Client Sample Description** MG.WC.FI-1.112-1U  
Hallway at 112  
**Collected:** 12/18/2021 8:44:00 AM  
**Lab ID:** 012115060-0005

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
--------	-----------	--------	----------	---------------------	-------------------------

**METALS**

200.8	Lead	ND	1.00 µg/L	1/3/2022 KB	1/4/2022 02:41 KB
-------	------	----	-----------	-------------	-------------------

**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](mailto:EnvChemistry2@emsl.com)

EMSL Order: 012115060  
CustomerID: RAMA51  
CustomerPO: 21-226  
ProjectID:

Attn: **Frederick Larson**  
**EnviroVision Consultants, Inc**  
**20-21 Wagaraw Rd**  
**Bldg 35E**  
**Fair Lawn, NJ 07410**

Phone: (973) 636-9146  
Fax: (973) 636-9144  
Received: 12/20/2021 09:00 AM

Project: 21-226 Scotch Plains/Fanwood PS - McGinn ES

**Analytical Results**

Client Sample Description		MG.WC.FI-1.112-1BF Hallway at 112	Collected:		12/18/2021 8:45:00 AM	Lab ID:		012115060-0006
Method	Parameter	Result	RL Units	Prep Date & Analyst		Analysis Date & Analyst		
METALS								
200.8	Lead	ND	1.00 µg/L	1/3/2022	KB	1/4/2022 02:45	KB	
Client Sample Description		MG.DW.FI-1.104 Room 104	Collected:		12/18/2021 8:47:00 AM	Lab ID:		012115060-0007
Method	Parameter	Result	RL Units	Prep Date & Analyst		Analysis Date & Analyst		
METALS								
200.8	Lead	1.88	1.00 µg/L	1/3/2022	KB	1/4/2022 12:40	KB	
Client Sample Description		MG.DW.FI-1.103 Room 103	Collected:		12/18/2021 8:49:00 AM	Lab ID:		012115060-0008
Method	Parameter	Result	RL Units	Prep Date & Analyst		Analysis Date & Analyst		
METALS								
200.8	Lead	8.02	1.00 µg/L	1/3/2022	KB	1/4/2022 02:51	KB	
Client Sample Description		MG.DW.FI-1.105 Room 105	Collected:		12/18/2021 8:51:00 AM	Lab ID:		012115060-0009
Method	Parameter	Result	RL Units	Prep Date & Analyst		Analysis Date & Analyst		
METALS								
200.8	Lead	5.84	1.00 µg/L	1/3/2022	KB	1/4/2022 02:52	KB	
Client Sample Description		MG.DW.FI-1.107 Room 107	Collected:		12/18/2021 8:52:00 AM	Lab ID:		012115060-0010
Method	Parameter	Result	RL Units	Prep Date & Analyst		Analysis Date & Analyst		
METALS								
200.8	Lead	1.74	1.00 µg/L	1/3/2022	KB	1/4/2022 02:54	KB	

**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](mailto:EnvChemistry2@emsl.com)

EMSL Order: 012115060

CustomerID: RAMA51

CustomerPO: 21-226

ProjectID:

Attn: **Frederick Larson**  
**EnviroVision Consultants, Inc**  
**20-21 Wagaraw Rd**  
**Bldg 35E**  
**Fair Lawn, NJ 07410**

Phone: (973) 636-9145  
Fax: (973) 636-9144  
Received: 12/20/2021 09:00 AM

Project: 21-226 Scotch Plains/Fanwood PS - McGinn ES

**Analytical Results**

<b>Client Sample Description</b>		MG.DW.FI-1.120 Room 120	<b>Collected:</b>		12/18/2021 9:01:00 AM	<b>Lab ID:</b>		012115060-0016
<b>Method</b>	<b>Parameter</b>	<b>Result</b>	<b>RL Units</b>	<b>Prep Date &amp; Analyst</b>	<b>Analysis Date &amp; Analyst</b>			
<b>METALS</b>								
200.8	Lead	1.59	1.00 µg/L	1/3/2022 KB	1/4/2022 03:09	KB		
<b>Client Sample Description</b>		MG.DW.FI-1.121 Room 121	<b>Collected:</b>		12/18/2021 9:03:00 AM	<b>Lab ID:</b>		012115060-0017
<b>Method</b>	<b>Parameter</b>	<b>Result</b>	<b>RL Units</b>	<b>Prep Date &amp; Analyst</b>	<b>Analysis Date &amp; Analyst</b>			
<b>METALS</b>								
200.8	Lead	9.00	1.00 µg/L	1/3/2022 KB	1/4/2022 03:10	KB		
<b>Client Sample Description</b>		MG.DW.FI-1.123 Room 123	<b>Collected:</b>		12/18/2021 9:05:00 AM	<b>Lab ID:</b>		012115060-0018
<b>Method</b>	<b>Parameter</b>	<b>Result</b>	<b>RL Units</b>	<b>Prep Date &amp; Analyst</b>	<b>Analysis Date &amp; Analyst</b>			
<b>METALS</b>								
200.8	Lead	97.0 D	5.00 µg/L	1/3/2022 KB	1/4/2022 12:42	KB		
<b>Client Sample Description</b>		MG.DW.FI-1.122 Room 122	<b>Collected:</b>		12/18/2021 9:06:00 AM	<b>Lab ID:</b>		012115060-0019
<b>Method</b>	<b>Parameter</b>	<b>Result</b>	<b>RL Units</b>	<b>Prep Date &amp; Analyst</b>	<b>Analysis Date &amp; Analyst</b>			
<b>METALS</b>								
200.8	Lead	1.60	1.00 µg/L	1/3/2022 KB	1/4/2022 12:43	KB		
<b>Client Sample Description</b>		MG.DW.FI-1.124 Room 124	<b>Collected:</b>		12/18/2021 9:08:00 AM	<b>Lab ID:</b>		012115060-0020
<b>Method</b>	<b>Parameter</b>	<b>Result</b>	<b>RL Units</b>	<b>Prep Date &amp; Analyst</b>	<b>Analysis Date &amp; Analyst</b>			
<b>METALS</b>								
200.8	Lead	1.12	1.00 µg/L	1/3/2022 KB	1/4/2022 03:14	KB		



**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](mailto:EnvChemistry2@emsl.com)

EMSL Order: 012115060  
CustomerID: RAMA51  
CustomerPO: 21-226  
ProjectID:

Attn: **Frederick Larson**  
**EnviroVision Consultants, Inc**  
**20-21 Wagaraw Rd**  
**Bldg 35E**  
**Fair Lawn, NJ 07410**

Phone: (973) 636-9145  
Fax: (973) 636-9144  
Received: 12/20/2021 09:00 AM

Project: 21-226 Scotch Plains/Fanwood PS - McGinn ES

**Analytical Results**

**Client Sample Description** MG.DW.FI-1.108  
Room 108  
**Collected:** 12/18/2021 8:53:00 AM  
**Lab ID:** 012115060-0011

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
--------	-----------	--------	----------	---------------------	-------------------------

**METALS**

200.8	Lead	1.04	1.00 µg/L	1/3/2022 KB	1/4/2022 02:55 KB
-------	------	------	-----------	-------------	-------------------

**Client Sample Description** MG.DW.FI-1.128  
Room 128  
**Collected:** 12/18/2021 8:55:00 AM  
**Lab ID:** 012115060-0012

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
--------	-----------	--------	----------	---------------------	-------------------------

**METALS**

200.8	Lead	4.36	1.00 µg/L	1/3/2022 KB	1/4/2022 02:57 KB
-------	------	------	-----------	-------------	-------------------

**Client Sample Description** MG.DW.FI-1.116  
Room 116  
**Collected:** 12/18/2021 8:57:00 AM  
**Lab ID:** 012115060-0013

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
--------	-----------	--------	----------	---------------------	-------------------------

**METALS**

200.8	Lead	3.98	1.00 µg/L	1/3/2022 KB	1/4/2022 02:58 KB
-------	------	------	-----------	-------------	-------------------

**Client Sample Description** MG.DW.FI-1.117  
Room 117  
**Collected:** 12/18/2021 8:58:00 AM  
**Lab ID:** 012115060-0014

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
--------	-----------	--------	----------	---------------------	-------------------------

**METALS**

200.8	Lead	3.32	1.00 µg/L	1/3/2022 KB	1/4/2022 03:00 KB
-------	------	------	-----------	-------------	-------------------

**Client Sample Description** MG.DW.FI-1.119  
Room 119  
**Collected:** 12/18/2021 8:59:00 AM  
**Lab ID:** 012115060-0015

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
--------	-----------	--------	----------	---------------------	-------------------------

**METALS**

200.8	Lead	2.02	1.00 µg/L	1/3/2022 KB	1/4/2022 03:01 KB
-------	------	------	-----------	-------------	-------------------

**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](mailto:EnvChemistry2@emsl.com)

EMSL Order: 012115060  
 CustomerID: RAMA51  
 CustomerPO: 21-226  
 ProjectID:

Attn: **Frederick Larson**  
**EnviroVision Consultants, Inc**  
**20-21 Wagaraw Rd**  
**Bldg 35E**  
**Fair Lawn, NJ 07410**

Phone: (973) 636-9145  
 Fax: (973) 636-9144  
 Received: 12/20/2021 09:00 AM

Project: 21-226 Scotch Plains/Fanwood PS - McGinn ES

**Analytical Results**

**Client Sample Description** MG.WC.FI-1.142AL  
 Hallway at 142  
**Collected:** 12/18/2021 9:12:00 AM  
**Lab ID:** 012115060-0021

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
--------	-----------	--------	----------	---------------------	-------------------------

**METALS**

200.8	Lead	ND	1.00 µg/L	1/3/2022 KB	1/4/2022 03:16 KB
-------	------	----	-----------	-------------	-------------------

**Client Sample Description** MG.WC.FI-1.142AU  
 Hallway at 142  
**Collected:** 12/18/2021 9:13:00 AM  
**Lab ID:** 012115060-0022

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
--------	-----------	--------	----------	---------------------	-------------------------

**METALS**

200.8	Lead	ND	1.00 µg/L	1/3/2022 KB	1/4/2022 03:17 KB
-------	------	----	-----------	-------------	-------------------

**Client Sample Description** MG.WC.FI-1.142ABF  
 Hallway at 142  
**Collected:** 12/18/2021 9:14:00 AM  
**Lab ID:** 012115060-0023

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
--------	-----------	--------	----------	---------------------	-------------------------

**METALS**

200.8	Lead	ND	1.00 µg/L	1/3/2022 KB	1/4/2022 03:19 KB
-------	------	----	-----------	-------------	-------------------

**Client Sample Description** MG.DW.FI-1.130  
 Room 130  
**Collected:** 12/18/2021 9:16:00 AM  
**Lab ID:** 012115060-0024

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
--------	-----------	--------	----------	---------------------	-------------------------

**METALS**

200.8	Lead	4.49	1.00 µg/L	1/3/2022 KB	1/4/2022 03:20 KB
-------	------	------	-----------	-------------	-------------------

**Client Sample Description** MG.DW.FI-1.131  
 Room 131  
**Collected:** 12/18/2021 9:18:00 AM  
**Lab ID:** 012115060-0025

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
--------	-----------	--------	----------	---------------------	-------------------------

**METALS**

200.8	Lead	2.07	1.00 µg/L	1/4/2022 KB	1/4/2022 19:36 KB
-------	------	------	-----------	-------------	-------------------

**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](mailto:EnvChemistry2@emsl.com)

EMSL Order: 012115060  
CustomerID: RAMA51  
CustomerPO: 21-226  
ProjectID:

Attn: **Frederick Larson**  
**EnviroVision Consultants, Inc**  
**20-21 Wagaraw Rd**  
**Bldg 35E**  
**Fair Lawn, NJ 07410**

Phone: (973) 636-9145  
Fax: (973) 636-9144  
Received: 12/20/2021 09:00 AM

Project: 21-226 Scotch Plains/Fanwood PS - McGinn ES

**Analytical Results**

**Client Sample Description** MG.DW.FI-1.132  
Room 132  
**Collected:** 12/18/2021 9:20:00 AM  
**Lab ID:** 012115060-0026

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	2.98	1.00 µg/L	1/4/2022 KB	1/4/2022 19:41 KB

**Client Sample Description** MG.DW.FI-1.133  
Room 133  
**Collected:** 12/18/2021 9:22:00 AM  
**Lab ID:** 012115060-0027

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	5.65	1.00 µg/L	1/4/2022 KB	1/4/2022 19:45 KB

**Client Sample Description** MG.DW.FI-1.134  
Room 134  
**Collected:** 12/18/2021 9:23:00 AM  
**Lab ID:** 012115060-0028

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	4.20	1.00 µg/L	1/4/2022 KB	1/4/2022 19:47 KB

**Client Sample Description** MG.DW.FI-1.135  
Room 135  
**Collected:** 12/18/2021 9:24:00 AM  
**Lab ID:** 012115060-0029

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	3.14	1.00 µg/L	1/4/2022 KB	1/4/2022 19:48 KB

**Client Sample Description** MG.DW.FI-1.136  
Room 136  
**Collected:** 12/18/2021 9:25:00 AM  
**Lab ID:** 012115060-0030

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	ND	1.00 µg/L	1/4/2022 KB	1/4/2022 19:49 KB

**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](mailto:EnvChemistry2@emsl.com)

EMSL Order: 012115060  
CustomerID: RAMA51  
CustomerPO: 21-226  
ProjectID:

Attn: **Frederick Larson**  
**EnviroVision Consultants, Inc**  
**20-21 Wagaraw Rd**  
**Bldg 35E**  
**Fair Lawn, NJ 07410**

Phone: (973) 636-9145  
Fax: (973) 636-9144  
Received: 12/20/2021 09:00 AM

Project: 21-226 Scotch Plains/Fanwood PS - McGinn ES

**Analytical Results**

Client Sample Description		MG.DW.FI-1.137 Room 137	Collected:	12/18/2021 9:27:00 AM	Lab ID:	012115060-0031	
Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst		
METALS							
200.8	Lead	3.56	1.00 µg/L	1/4/2022 KB	1/4/2022 19:51	KB	
Client Sample Description		MG.DW.FI-1.148 Room 148	Collected:	12/18/2021 9:30:00 AM	Lab ID:	012115060-0032	
Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst		
METALS							
200.8	Lead	1.06	1.00 µg/L	1/4/2022 KB	1/4/2022 19:52	KB	
Client Sample Description		MG.DW.FI-1.149 Room 149	Collected:	12/18/2021 9:32:00 AM	Lab ID:	012115060-0033	
Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst		
METALS							
200.8	Lead	1.00	1.00 µg/L	1/4/2022 KB	1/4/2022 19:54	KB	
Client Sample Description		MG.DW.FI-1.150 Room 150	Collected:	12/18/2021 9:33:00 AM	Lab ID:	012115060-0034	
Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst		
METALS							
200.8	Lead	ND	1.00 µg/L	1/4/2022 KB	1/4/2022 19:55	KB	
Client Sample Description		MG.DW.FI-1.151 Room 151	Collected:	12/18/2021 9:34:00 AM	Lab ID:	012115060-0035	
Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst		
METALS							
200.8	Lead	1.23	1.00 µg/L	1/4/2022 KB	1/4/2022 19:57	KB	

**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](mailto:EnvChemistry2@emsl.com)

EMSL Order: 012115060  
CustomerID: RAMA51  
CustomerPO: 21-226  
ProjectID:

Attn: **Frederick Larson**  
**EnviroVision Consultants, Inc**  
**20-21 Wagaraw Rd**  
**Bldg 35E**  
**Fair Lawn, NJ 07410**

Phone: (973) 636-9145  
Fax: (973) 636-9144  
Received: 12/20/2021 09:00 AM

Project: 21-226 Scotch Plains/Fanwood PS - McGinn ES

**Analytical Results**

**Client Sample Description** MG.DW.FI-1.152 **Collected:** 12/18/2021 **Lab ID:** 012115060-0036  
Room 152 9:35:00 AM

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	ND	1.00 µg/L	1/4/2022 KB	1/4/2022 20:04 KB

**Client Sample Description** MG.DW.FI-1.152A **Collected:** 12/18/2021 **Lab ID:** 012115060-0037  
Room 152 9:36:00 AM

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	1.65	1.00 µg/L	1/4/2022 KB	1/4/2022 20:06 KB

**Client Sample Description** MG-Blank **Collected:** 12/18/2021 **Lab ID:** 012115060-0038  
9:38:00 AM

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	ND	1.00 µg/L	1/4/2022 KB	1/4/2022 20:07 KB

**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



## Lead Chain of Custody

EMSL Order Number / Lab Use Only

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

EMSL ANALYTICAL, INC.  
TESTING LABS: PRODUCTS • TRAINING

012115060

PHONE: (800) 220-3675

EMAIL: Cinnaminson.Lab@emsl.com

Customer ID: RAMA51		Billing ID: RAMA51	
Company Name: EnviroVision Consultants, Inc.		Company Name: EnviroVision Consultants, Inc.	
Contact Name: Frederick Larson		Billing Contact: Frederick Larson	
Street Address: 20-21 Wagaraw Road, Bldg 35E		Street Address: 20-21 Wagaraw Road, Bldg 35E	
City, State, Zip: Fair Lawn, NJ 07410		City, State, Zip: Fair Lawn, NJ 07410	
Country: USA		Country:	
Phone: 973-636-9145		Phone: 973-636-9145	
Email(s) for Report: info@envirovisionconsultants.com		Email(s) for Invoice: info@envirovisionconsultants.com	

Project Name/No: 21-226 Scotch Plains/Fanwood PS - McGinn ES		Purchase Order: 21-226
EMSL LIMS Project ID: (if applicable, EMSL will provide)	US State where sample(s) collected: NJ	State of Connecticut (CT) must select project location: <input type="checkbox"/> Commercial (Taxable) <input type="checkbox"/> Residential (Non-Taxable)
Sampled By Name: Jordan Rysko	Sampled By Signature: J Rysko	No. of Samples in Shipment:
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 8 Hours or Less: *32 Hour TAT available for select tests only; samples must be submitted by 11:00am.		

MATRIX	METHOD	INSTRUMENT	REPORTING LIMIT	SELECTION
CHIPS <input type="checkbox"/> % by wt. <input type="checkbox"/> ppm (mg/kg) <input type="checkbox"/> mg/100	SW 846-7000B	Flame Atomic Absorption	0.008% (80ppm)	<input type="checkbox"/>
*Reporting Limit based on a minimum 0.25g sample weight	SW 846-6010D*	ICP-OES	0.0004% (4ppm)	<input type="checkbox"/>
	NIOSH 7082	Flame Atomic Absorption	4µg/liter	<input type="checkbox"/>
AIR	NIOSH 7300M / NIOSH 7303M	ICP-OES	0.5µg/liter	<input type="checkbox"/>
	NIOSH 7300M / NIOSH 7303M	ICP-MS	0.05µg/liter	<input type="checkbox"/>
WIPE <input type="checkbox"/> ASTM <input type="checkbox"/> NON-ASTM	SW 846-7000B	Flame Atomic Absorption	10µg/wipe	<input type="checkbox"/>
*If no box is checked, non-ASTM Wipe is assumed	SW 846-6010D*	ICP-OES	1.0µg/wipe	<input type="checkbox"/>
TCLP	SW 846-1311 / 7000B / SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	SW 846-1311 / SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	<input type="checkbox"/>
SPLP	SW 846-1312 / 7000B / SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	SW 846-1312 / SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	<input type="checkbox"/>
ITLC	22 CCR App. II, 7000B	Flame Atomic Absorption	40mg/kg (ppm)	<input type="checkbox"/>
	22 CCR App. II, SW 846-6010D*	ICP-OES	2mg/kg (ppm)	<input type="checkbox"/>
STLC	22 CCR App. II, 7000B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	22 CCR App. II, SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	<input type="checkbox"/>
Soil	SW 846-7000B	Flame Atomic Absorption	40mg/kg (ppm)	<input type="checkbox"/>
	SW 846-6010D*	ICP-OES	2mg/kg (ppm)	<input type="checkbox"/>
Wastewater	SM 3111B / SW 846-7000B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
Unpreserved				<input type="checkbox"/>
Preserved with HNO3 <input type="checkbox"/> PH<2	EPA 200.7	ICP-OES	0.020 mg/L (ppm)	<input type="checkbox"/>
Drinking Water	EPA 200.5	ICP-OES	0.003 mg/L (ppm)	<input type="checkbox"/>
Unpreserved				<input type="checkbox"/>
Preserved with HNO3 <input checked="" type="checkbox"/> PH<2	EPA 200.5	ICP-MS	0.001 mg/L (ppm)	<input type="checkbox"/>
TSP/SPM Filter	40 CFR Part 50	ICP-OES	12 µg/filter	<input type="checkbox"/>
Other:				<input type="checkbox"/>

Sample Number	Sample Location	Volume / Area	Date / Time Sampled
1 MB.WC.FI-1.159A	Hallway at 69		12/16/21 0833
2 MB.TL.FI-1.115	Room 115		0837
3 MB.WC.FI-1.MPR	Room 111		0840
4 MB.WC.FI-1.112-1L	Hallway at 112		0843
5 MB.WC.FI-1.112-1H	Hallway at 112		0844

Method of Shipment:		Sample Condition Upon Receipt:	
Requisitioned by: J Rysko	Date/Time: 12/18/21 1129	Received by: C D Nardo	Date/Time: 12/18/21 1129
Requisitioned by: C D Nardo	Date/Time: 12/18/21	Received by: KJ	Date/Time: 12-18-21 12:25 PM

Controlled Document - CDD-26 LMS R16 4/19/2021

\*8010C 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.



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) 220-3875

EMAIL: Cinnaminson.leadlab@emsl.com

012115060

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

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

McGINN ES

Sample Number	Sample Location	Volume / Area	Date / Time Sampled
6 MB.WC.FI-1.112-1BF	Hallway at 112		01/18/21 0845
7 MB.DW.FI-1.104	Room 104		0847
8 MB.DW.FI-1.103	Room 103		0849
9 MB.DW.FI-1.105	Room 105		0851
10 MB.DW.FI-1.107	Room 107		0852
11 MB.DW.FI-1.108	Room 108		0853
12 MB.DW.FI-1.108	Room 108		0855
13 MB.DW.FI-1.116	Room 116		0857
14 MB.DW.FI-1.117	Room 117		0858
15 MB.DW.FI-1.119	Room 119		0859
16 MB.DW.FI-1.120	Room 120		0901
17 MB.DW.FI-1.121	Room 121		0903
18 MB.DW.FI-1.123	Room 123		0905
19 MB.DW.FI-1.122	Room 122		0906
20 MB.DW.FI-1.124	Room 124		0908
21 MB.WC.FI-1.142AL	Hallway at 142		0912
22 MB.WC.FI-1.142AH	Hallway at 142		0913
23 MB.WC.FI-1.142ABF	Hallway at 142		0914
24 MB.DW.FI-1.130	Room 130		0916
25 MB.DW.FI-1.131	Room 131		0918
26 MB.DW.FI-1.132	Room 132		0920
27 MB.DW.FI-1.133	Room 133		0922
28 MB.DW.FI-1.134	Room 134		0923
29 MB.DW.FI-1.135	Room 135		0924
30 MB.DW.FI-1.136	Room 136		0925

Method of Shipment:

Sample Condition Upon Receipt:

Requisitioned by:

Date/Time:

Received by:

Date/Time:

Requisitioned by:

Date/Time:

Received by:

Date/Time:

Continued on back - CDO-28 (Rev. 4/19/2021)



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.

