The Scotch Plains-Fanwood Public Schools

512 Cedar Street
Scotch Plains, New Jersey 07076

June 13, 2022

J. Ackerman Coles
16 Kevin Road
Scotch Plains, NJ 07076

Dear Coles 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, J. Ackerman Coles 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 35 samples taken, all but 11 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.

Sample Location	First Draw Result in µg/l (ppb)	Remedial Action
Classroom 110 ID # CO.DW.F1-1-110	15.8 ug/L (ppb)	Disconnected outlet and posted signage "DO NOT DRINK - SAFE FOR HANDWASHING ONLY"
Classroom 111 ID # CO.DW.F1-1-111	28.8 ug/L (ppb)	Disconnected outlet and posted signage "DO NOT DRINK - SAFE FOR HANDWASHING ONLY"

Classroom 112 ID # CO.DW.F1-1-112	22.4 ug/L (ppb)	Disconnected outlet and posted signage "DO NOT DRINK - SAFE FOR HANDWASHING ONLY"
Classroom 118 ID # CO.DW.F1-1-118	69.7 ug/L (ppb)	Disconnected outlet and posted signage "DO NOT DRINK - SAFE FOR HANDWASHING ONLY"
Classroom 120 ID # CO.DW.F1-1-120	20.0 ug/L (ppb)	Disconnected outlet and posted signage "DO NOT DRINK - SAFE FOR HANDWASHING ONLY"
Classroom 135 ID # CO.DW.F1-1-135	17.4 ug/L (ppb)	Disconnected outlet and posted signage "DO NOT DRINK - SAFE FOR HANDWASHING ONLY"
Classroom 137 ID # CO.DW.F1-1-137	36.5 ug/L (ppb)	Disconnected outlet and posted signage "DO NOT DRINK - SAFE FOR HANDWASHING ONLY"
Classroom 138 ID # CO.DW.F1-1-138	20.6 ug/L (ppb)	Disconnected outlet and posted signage "DO NOT DRINK - SAFE FOR HANDWASHING ONLY"
Classroom 141 ID # CO.DW.F1-1-141	21.1 ug/L (ppb)	Disconnected outlet and posted signage "DO NOT DRINK - SAFE FOR HANDWASHING ONLY"
Classroom 142 ID # CO.DW.F1-1-142	39.2 ug/L (ppb)	Disconnected outlet and posted signage "DO NOT DRINK - SAFE FOR HANDWASHING ONLY"
Classroom 144 ID # CO.DW.F1-1-142	20.2 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. 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**, 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

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

CLIENT: Scotch Plains – Fanwood School District Project No. 21-226
PROJECT: Lead (Pb) in Water Sampling Coles Elementary School
ADDRESS: 16 Kevin Road, 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 Coles 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-five of the forty initially requested samples were collected from Coles Elementary School. Five outlets were out of service at the time of sampling. A blank sample was also collected as required.

Results: Twenty-four of the thirty-five 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.

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

Outlet ID/Sample Number	Location	Results
CO.DW.F1-1-110	Classroom 110	15.8 ug/L (ppb)
CO.DW.F1-1-111	Classroom 111	28.8 ug/L (ppb)
CO.DW.F1-1-112	Classroom 112	22.4 ug/L (ppb)
CO.DW.F1-1-118	Classroom 118	69.7 ug/L (ppb)
CO.DW.F1-1-120	Classroom 120	20.0 ug/L (ppb)
CO.DW.FL-1-135	Classroom 135	17.4 ug/L (ppb)
CO.DW.FL-1-137	Classroom 137	36.5 ug/L (ppb)
CO.DW.FL-1-138	Classroom 138	20.6 ug/L (ppb)
CO.DW.FL-1-141	Classroom 141	21.1 ug/L (ppb)
CO.DW.FL-1-142	Classroom 121	39.2 ug/L (ppb)
CO.DW.FL-1-144	Classroom 144	20.2 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

Attn: **Fred Larson** 1/6/2022
EnviroVision Consultants, Inc
20-21 Wagaraw Rd
Bldg 35E
Fair Lawn, NJ 07410
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 - Coles ES

The reference number for these samples is EMSL Order #012115059. 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

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:	012115059
CustomerID:	RAMA51
CustomerPO:	21-226
ProjectID:	

Attn: **Fred 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 - Coles ES**

Analytical Results

Client Sample Description CO.DW.F1-1-110 Room 110 ***Collected:*** 12/18/2021 7:00:00 AM ***Lab ID:*** *012115059-0001*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	15.8	1.00	µg/L	1/4/2022 KB	1/4/2022 22:52 KB

Client Sample Description CO.DW.F1-1-111 Room 111 ***Collected:*** 12/18/2021 7:02:00 AM ***Lab ID:*** *012115059-0002*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	28.8	1.00	µg/L	1/4/2022 KB	1/5/2022 15:06 KB

Client Sample Description CO.DW.F1-1-112 Room 112 ***Collected:*** 12/18/2021 7:06:00 AM ***Lab ID:*** *012115059-0003*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	22.4	1.00	µg/L	1/4/2022 KB	1/4/2022 23:01 KB

Client Sample Description CO.DW.F1-1-107-2L Hallway By 107 ***Collected:*** 12/18/2021 7:15:00 AM ***Lab ID:*** *012115059-0004*

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 23:02 KB

Client Sample Description CO.DW.F1-1-107-2U Hallway By 107 ***Collected:*** 12/18/2021 7:16:00 AM ***Lab ID:*** *012115059-0005*

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 23:04 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

EMSL Order:	012115059
CustomerID:	RAMA51
CustomerPO:	21-226
ProjectID:	

Attn: **Fred 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 - Coles ES**

Analytical Results

Client Sample Description CO.DW.F1-1-107-2BF Hallway By 107 — **Collected:** 12/18/2021 7:20:00 AM — **Lab ID:** 012115059-0006

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 23:05 KB

Client Sample Description CO.DW.F1-1-113 Room 113 — **Collected:** 12/18/2021 7:22:00 AM — **Lab ID:** 012115059-0007

Method	Parameter	Result	RL	Units	Prep Date & Analyst	Analysis Date & Analyst
METALS						
200.8	Lead	9.03	1.00	µg/L	1/4/2022 KB	1/4/2022 23:07 KB

Client Sample Description CO.DW.F1-1-114 Room 114 — **Collected:** 12/18/2021 7:24:00 AM — **Lab ID:** 012115059-0008

Method	Parameter	Result	RL	Units	Prep Date & Analyst	Analysis Date & Analyst
METALS						
200.8	Lead	9.80	1.00	µg/L	1/4/2022 KB	1/4/2022 23:08 KB

Client Sample Description CO.DW.F1-1-116 Room 116 — **Collected:** 12/18/2021 7:25:00 AM — **Lab ID:** 012115059-0009

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 23:10 KB

Client Sample Description CO.DW.F1-1-117 Room 117 — **Collected:** 12/18/2021 7:27:00 AM — **Lab ID:** 012115059-0010

Method	Parameter	Result	RL	Units	Prep Date & Analyst	Analysis Date & Analyst
METALS						
200.8	Lead	6.25	1.00	µg/L	1/4/2022 KB	1/4/2022 23:11 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

EMSL Order:	012115059
CustomerID:	RAMA51
CustomerPO:	21-226
ProjectID:	

Attn: **Fred 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 - Coles ES**

Analytical Results

Client Sample Description CO.DW.F1-1-118 Room 118 ***Collected:*** 12/18/2021 7:30:00 AM ***Lab ID:*** *012115059-0011*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	69.7	1.00	µg/L	1/4/2022 KB	1/5/2022 14:06 JW

Client Sample Description CO.DW.F1-1-119 Room 119 ***Collected:*** 12/18/2021 7:31:00 AM ***Lab ID:*** *012115059-0012*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	4.47	1.00	µg/L	1/4/2022 KB	1/4/2022 23:12 KB

Client Sample Description CO.DW.F1-1-120 Room 120 ***Collected:*** 12/18/2021 7:32:00 AM ***Lab ID:*** *012115059-0013*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	20.0	1.00	µg/L	1/4/2022 KB	1/4/2022 23:20 KB

Client Sample Description CO.DW.F1-1-121 Room 121 ***Collected:*** 12/18/2021 7:33:00 AM ***Lab ID:*** *012115059-0014*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	11.6	1.00	µg/L	1/4/2022 KB	1/5/2022 14:09 JW

Client Sample Description CO.DW.F1-1-122 Room 122 ***Collected:*** 12/18/2021 7:35:00 AM ***Lab ID:*** *012115059-0015*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	4.70	1.00	µg/L	1/4/2022 KB	1/5/2022 14:11 JW

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:	012115059
CustomerID:	RAMA51
CustomerPO:	21-226
ProjectID:	

Attn: **Fred 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 - Coles ES**

Analytical Results

Client Sample Description CO.WC.F1-1-105 Room 105 **Collected:** 12/18/2021 7:37:00 AM **Lab ID:** 012115059-0016

Method	Parameter	Result	RL	Units	Prep Date & Analyst	Analysis Date & Analyst
METALS						
200.8	Lead	3.61	1.00	µg/L	1/4/2022 KB	1/4/2022 23:21 KB

Client Sample Description CO.WC.F1-1-123-2L Hallway at 123 **Collected:** 12/18/2021 7:38:00 AM **Lab ID:** 012115059-0017

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 23:23 KB

Client Sample Description CO.WC.F1-1-123-2U Hallway at 123 **Collected:** 12/18/2021 7:39:00 AM **Lab ID:** 012115059-0018

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 23:24 KB

Client Sample Description CO.WC.F1-1-123-2BF Hallway at 123 **Collected:** 12/18/2021 7:40:00 AM **Lab ID:** 012115059-0019

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 23:26 KB

Client Sample Description C0.DW.FL-1-127 Room 127 **Collected:** 12/18/2021 7:41:00 AM **Lab ID:** 012115059-0020

Method	Parameter	Result	RL	Units	Prep Date & Analyst	Analysis Date & Analyst
METALS						
200.8	Lead	8.32	1.00	µg/L	1/4/2022 KB	1/4/2022 23:27 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

EMSL Order:	012115059
CustomerID:	RAMA51
CustomerPO:	21-226
ProjectID:	

Attn: **Fred 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 - Coles ES**

Analytical Results

Client Sample Description C0.DW.FL-1-135 Room 135 **Collected:** 12/18/2021 7:42:00 AM **Lab ID:** *012115059-0021*

Method	Parameter	Result	RL	Units	Prep Date & Analyst	Analysis Date & Analyst
METALS						
200.8	Lead	17.4	1.00	µg/L	1/4/2022 KB	1/4/2022 23:29 KB

Client Sample Description C0.DW.FL-1-134 Room 134 **Collected:** 12/18/2021 7:44:00 AM **Lab ID:** *012115059-0022*

Method	Parameter	Result	RL	Units	Prep Date & Analyst	Analysis Date & Analyst
METALS						
200.8	Lead	10.6	1.00	µg/L	1/4/2022 KB	1/4/2022 23:30 KB

Client Sample Description C0.DW.FL-1-137 Room 137 **Collected:** 12/18/2021 7:45:00 AM **Lab ID:** *012115059-0023*

Method	Parameter	Result	RL	Units	Prep Date & Analyst	Analysis Date & Analyst
METALS						
200.8	Lead	36.5	1.00	µg/L	1/4/2022 KB	1/4/2022 23:35 KB

Client Sample Description C0.DW.FL-1-136 Room 136 **Collected:** 12/18/2021 7:47:00 AM **Lab ID:** *012115059-0024*

Method	Parameter	Result	RL	Units	Prep Date & Analyst	Analysis Date & Analyst
METALS						
200.8	Lead	10.8	1.00	µg/L	1/4/2022 KB	1/4/2022 23:43 KB

Client Sample Description C0.DW.FL-1-139 Room 139 **Collected:** 12/18/2021 7:48:00 AM **Lab ID:** *012115059-0025*

Method	Parameter	Result	RL	Units	Prep Date & Analyst	Analysis Date & Analyst
METALS						
200.8	Lead	7.85	1.00	µg/L	1/4/2022 KB	1/4/2022 23:48 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

EMSL Order:	012115059
CustomerID:	RAMA51
CustomerPO:	21-226
ProjectID:	

Attn: **Fred 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 - Coles ES**

Analytical Results

Client Sample Description	C0.DW.FL-1-138 Room 138	***Collected:***	12/18/2021 7:50:00 AM	***Lab ID:***	*012115059-0026*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	20.6	1.00	µg/L	1/4/2022 KB	1/4/2022 23:52 KB

Client Sample Description	C0.DW.FL-1-141 Room 141	***Collected:***	12/18/2021 7:51:00 AM	***Lab ID:***	*012115059-0027*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	21.1	1.00	µg/L	1/4/2022 KB	1/4/2022 23:54 KB

Client Sample Description	C0.DW.FL-1-142 Room 142	***Collected:***	12/18/2021 7:53:00 AM	***Lab ID:***	*012115059-0028*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	39.2	1.00	µg/L	1/4/2022 KB	1/4/2022 23:55 KB

Client Sample Description	C0.DW.FL-1-144 Room 144	***Collected:***	12/18/2021 7:55:00 AM	***Lab ID:***	*012115059-0029*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	20.2	1.00	µg/L	1/4/2022 KB	1/5/2022 14:14 JW

Client Sample Description	C0.DW.FL-1-145 Room 145	***Collected:***	12/18/2021 7:58:00 AM	***Lab ID:***	*012115059-0030*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	9.64	1.00	µg/L	1/4/2022 KB	1/4/2022 23:57 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

EMSL Order:	012115059
CustomerID:	RAMA51
CustomerPO:	21-226
ProjectID:	

Attn: **Fred 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 - Coles ES**

Analytical Results

Client Sample Description C0.DW.FL-1-146 ***Collected:*** 12/18/2021 8:01:00 AM ***Lab ID:*** *012115059-0031*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	1.70	1.00	µg/L	1/4/2022 KB	1/4/2022 23:58 KB

Client Sample Description C0.DW.FL-1-148-1 ***Collected:*** 12/18/2021 8:03:00 AM ***Lab ID:*** *012115059-0032*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	ND	1.00	µg/L	1/4/2022 KB	1/5/2022 00:00 KB

Client Sample Description C0.DW.FL-1-148-2 ***Collected:*** 12/18/2021 8:04:00 AM ***Lab ID:*** *012115059-0033*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	3.28	1.00	µg/L	1/4/2022 KB	1/5/2022 14:16 JW

Client Sample Description C0.DW.FL-1-149-1 ***Collected:*** 12/18/2021 8:06:00 AM ***Lab ID:*** *012115059-0034*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	1.12	1.00	µg/L	1/4/2022 KB	1/5/2022 00:01 KB

Client Sample Description C0.DW.FL-1-149-2 ***Collected:*** 12/18/2021 8:07:00 AM ***Lab ID:*** *012115059-0035*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	1.53	1.00	µg/L	1/4/2022 KB	1/5/2022 00:03 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

EMSL Order:	012115059
CustomerID:	RAMA51
CustomerPO:	21-226
ProjectID:	

Attn: **Fred 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 - Coles ES**

Analytical Results

Client Sample Description CO-Blank ***Collected:*** 12/18/2021 8:09:00 AM ***Lab ID:*** *012115059-0036*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	ND	1.00	µg/L	1/4/2022 KB	1/5/2022 00:04 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

OrderID: 012115059

EMSL ANALYTICAL, INC.
TESTING LABS • PRODUCTS • TRAINING

Lead Chain of Custody

EMSL Order Number / Lab Use Only

012115059

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

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

Customer Information		Billing Information	
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 Information

Project Name/No: 21-226 Scotch Plains/Fanwood PS - Coles ES
Purchase Order: 21-226
EMSL LIMS Project ID: (If applicable, EMSL will provide)
US State where samples collected: NJ
State of Connecticut (CT) must select project location: ☐ Commercial (Taxable) ☐ Residential (Non-Taxable)
Sampled By Name: Jordan Payslo
Sampled By Signature: J Payne
No. of Samples in Shipment:

Turn-Around-Time (TAT)

☐ 3 Hour ☐ 6 Hour ☐ 24 Hour ☐ 32 Hour ☐ 48 Hour ☐ 72 Hour ☐ 96 Hour ☐ 1 Week ☑ 2 Week

Please call ahead for large projects and/or turnaround times 6 Hours or Less. *32 Hour TAT available for select tests only, samples must be submitted by 11:30am.

MATRIX	METHOD	INSTRUMENT	REPORTING LIMIT	SELECTION
CHIPS ☐ % by wt. ☐ ppm (mg/kg) ☐ mg/cm²	SW 846-7000B	Flame Atomic Absorption	0.008% (80ppm)	☐
*Reporting Limit based on a minimum 0.25g sample weight	SW 846-6010D*	ICP-OES	0.0004% (4ppm)	☐
AIR	NIOSH 7082	Flame Atomic Absorption	4µg/filter	☐
	NIOSH 7300M / NIOSH 7303M	ICP-OES	0.5µg/filter	☐
	NIOSH 7300M / NIOSH 7303M	ICP-MS	0.05µg/filter	☐
WIPE ☐ ASTM ☐ 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)	☐
STLC	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 ☐ / Preserved with HNO3 ☐ PH<2	EPA 200.7	ICP-OES	0.020 mg/L (ppm)	☐
Drinking Water	EPA 200.5	ICP-OES	0.003 mg/L (ppm)	☐
Unpreserved ☐ / Preserved with HNO3 ☑ PH<2	EPA 200.8	ICP-MS	0.001 mg/L (ppm)	☐
TSP/SPM Filter	40 CFR Part 50	ICP-OES	12 µg/filter	☐
Other:				☐

	Sample Number	Sample Location	Volume / Area	Date / Time Sampled
1	CO.DW.FI-1.110	Room 110		12/18/21 0700
2	CO.DW.FI-1.111	Room 111		12/18/21 0702
3	CO.DW.FI-1.112	Room 112		12/18/21 0706
4	CO.DW.FI-1.107-2L	Hallway By 107		12/18/21 0715
5	CO.DW.FI-1.107-2U	Hallway By 107		12/18/21 0716

Method of Shipment:

Sample Condition Upon Receipt:

Relinquished by: J Payne	Date/Time: 12/18/21 1131	Received by: C DeNardo	Date/Time: 12/18/21 1131
Relinquished by: C DeNardo	Date/Time: 12/18/21	Received by: Teresa M. WI	Date/Time: 12-18-21 1:25 pm 12/20/21 9:00am

Controlled Document - COC-25 Lead R16 4/19/2021

*6010C 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.

14.6 C

Page 1 of 2

OrderID: 012115059

EMSL ANALYTICAL, INC.
TESTING LABS • PRODUCTS • TRAINING

Lead Chain of Custody

EMSL Order Number / Lab Use Only

01211 5059

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

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

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.)

Coles ES

	Sample Number	Sample Location	Volume / Area	Date / Time Sampled
6	CO.DW.FI-1.107-2BF	Hallway by 107		12/18/21 0720
7	CO.DW.FI-1.113	Room 113		12/18/21 0720
8	CO.DW.FI-1.114	Room 114		12/18/21 0724
9	CO.DW.FI-1.116	Room 116		12/18/21 0725
10	CO.DW.FI-1.117	Room 117		0727
11	CO.DW.FI-1.118	Room 118		0730
12	CO.DW.FI-1.119	Room 119		0731
13	CO.DW.FI-1.120	Room 120		0732
14	CO.DW.FI-1.121	Room 121		0733
15	CO.DW.FI-1.122	Room 122		0735
16	CO.WC.FI-1.105	Room 105		0737
17	CO.WC.FI-1.123-2L	Hallway at 123		0738
18	CO.WC.FI-1.123-2U	Hallway at 123		0739
19	CO.WC.FI-1.125-2BF	Hallway at 123		0740
20	CO.DW.FI-1.127	Room 127		0741
21	CO.DW.FI-1.135	Room 135		0742
22	CO.DW.FI-1.134	Room 134		0744
23	CO.DW.FI-1.137	Room 137		0745
24	CO.DW.FI-1.136	Room 136		0747
25	CO.DW.FI-1.139	Room 139		0748
26	CO.DW.FI-1.138	Room 138		0750
27	CO.DW.FI-1.140	Room 140/141		0751
28	CO.DW.FI-1.142	Room 142		0753
29	CO.DW.FI-1.144	Room 144/144		0755
30	CO.DW.FI-1.145	Room 145		0758

Method of Shipment:

Sample Condition Upon Receipt:

Relinquished by: J Ryan	Date/Time: 12/18/21 1131	Received by: C DiNardo	Date/Time: 12/18/21 1131
Relinquished by: C DiNardo	Date/Time: 12/18/21	Received by:	Date/Time

Controlled Document - COC-25 (Lead R10 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.

Page 2 of 2

OrderID: 012115059

EMSL ANALYTICAL, INC.
TESTING LABS • PRODUCTS • TRAINING

Lead Chain of Custody

EMSL Order Number / Lab Use Only

012115059

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

PHONE: (609) 220-3675
EMAIL: CinnaminsonLeadLab@emsl.com

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.)

Coles ES

	Sample Number	Sample Location	Volume / Area	Date / Time Sampled
31	CO.DW.FI-1.146			12/18/21 0800
32	CO.DW.FI-1.148-1			0803
33	CO.DW.FI-1.148-2			0804
34	CO.DW.FI-1.149-1			0806
35	CO.DW.FI-1.149-2			0807
36	CO-Blank			0809

Method of Shipment:		Sample Condition Upon Receipt:	
Relinquished by: J Payne	Date/Time: 12/18/21 1131	Received by: CDWards	Date/Time: 12/18/21 1131
Relinquished by: CDWards	Date/Time: 12/18/21	Received by:	Date/Time

Controlled Document - COC-25 Lead R16 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.