



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

CLIENT: Saddle Brook School District Project # 19-163

PROJECT: Washington & Smith Elementary Schools Follow-up Lead in water sampling

ADDRESS: 355 Mayhill street, Saddle Brook, NJ 07663

FIELD TECHNICIANS: Polina Pikes REPORT DATE: June 17, 2019

EnviroVision Consultants, Inc. was contracted by Saddle Brook School District to conduct a follow-up Lead (Pb) in water sampling at Washington and Smith Elementary schools.

Polina Pikes, EnviroVision's environmental field technician arrived at the project site early morning on May 30, 2019, prior to employee's or occupant's arrival and proceeded to collect water samples from all drinking fountains and cooking sinks. Water sources to have any chance of being used for drinkling, cooking etc... All collected samples are First Draw Samples – first 250 ml of cold water collected from the drinking water outlet. The water in the school facility must remain motionless in the plumbing for a minimum 8 hours but no more than 48 hours.

Samples were analyzed at EMSL Analytical, Inc. in Cinnaminson, New Jersey (NJDEP#03036), accredited in accordance with NELAC (National Environmental Laboratory Accreditation Conference). Analytical method was by Lead in Water by inductively coupled plasma mass spectrometry ICP-MS (EPA 200.8 or SM3113B).

None of the samples within the Washington and Snith Elementary Schools came back at or above the recommended 'action level' as established by The United States Environmental Protection Agency (USEPA) of 15 parts per billion (ppb). At this time no additional preventive steps need to be taken for those sampled outlets.

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 your home with the service and attention to detail you have come to expect from us.

Sincerely,
EnviroVision Consultants, Inc.

Frederick Larson, President



EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

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

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

6/10/2019

Phone: (973) 636-9145

Fax: (973) 636-9144

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 5/31/2019. The results are tabulated on the attached data pages for the following client designated project:

19-163 Saddle Brook BOE

The reference number for these samples is EMSL Order #011906618. 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: 011906618

CustomerID: RAMA51

CustomerPO:

ProjectID:

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

Phone: (973) 636-9145
Fax: (973) 636-9144
Received: 05/31/19 9:00 AM

Project: 19-163 Saddle Brook BOE

Analytical Results

Client Sample Description	SES-FB Field Blank	Collected:	5/30/2019 8:01:00 AM	Lab ID:	011906618-0001
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Method	Parameter	Result	RL	Units	Prep Date & Analyst	Analysis Date & Analyst
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METALS

200.8	Lead	ND	1.00	ppb	6/4/2019	VD	06/04/19 12:37	VD
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Client Sample Description	SESS1-A Nurse's Office; Sink	Collected:	5/30/2019 8:03:00 AM	Lab ID:	011906618-0002
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Method	Parameter	Result	RL	Units	Prep Date & Analyst	Analysis Date & Analyst
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METALS

200.8	Lead	1.08	1.00	ppb	6/4/2019	VD	06/04/19 12:38	VD
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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



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Lead (Pb) Chain of Custody

EMSL Order ID (Lab Use Only):

011906618

Cinnaminson, NJ 08077

PHONE: 1-800-220-3675

FAX: (856) 786-5974

Company: EnviroVision Consultants, Inc.		EMSL-Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different If Bill to is Different note instructions in Comments**	
Street: 20-21 Wagaraw Rd		Third Party Billing requires written authorization from third party	
City: Fair Lawn	State/Province: NJ	Zip/Postal Code: 07410	Country: US
Report To (Name): Polina Pikes		Telephone #: 973-636-9145	
Email Address: psenvirovision@optimum.net		Fax #: 973-636-9144	Purchase Order:
Project Name/Number: 19-163 Saddle Brook BOE		Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email	
U.S. State Samples Taken: NJ		CT Samples: <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> Residential/Tax Exempt	
Turnaround Time (TAT) Options* - Please Check			
<input type="checkbox"/> 3 Hour <input type="checkbox"/> 6 Hour <input type="checkbox"/> 24 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			
*Analysis completed in accordance with EMSL's Terms and Conditions located in the Price Guide			
Matrix	Method	Instrument	Reporting Limit
Chips <input type="checkbox"/> % by wt. <input type="checkbox"/> mg/cm ² <input type="checkbox"/> ppm (mg/kg)	SW846-7000B	Flame Atomic Absorption	0.01%
Air	NIOSH 7082	Flame Atomic Absorption	4 µg/filter
	NIOSH 7105	Graphite Furnace AA	0.03 µg/filter
	NIOSH 7300M/NIOSH 7303	ICP-OES	0.5 µg/filter
Wipe* <input type="checkbox"/> ASTM <input type="checkbox"/> non ASTM <input type="checkbox"/>	SW846-7000B	Flame Atomic Absorption	10 µg/wipe
*If no box checked, non-ASTM Wipe assumed	SW846-6010B or C	ICP-OES	1.0 µg/wipe
TCLP	SW846-1311/7000B/SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)
	SW846-1311/SW846-6010B or C	ICP-OES	0.1 mg/L (ppm)
SPLP	SW846-1312/7000B/SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)
	SW846-1312/SW846-6010B or C	ICP-OES	0.1 mg/L (ppm)
TTL	22 CCR App. II, 7000B/7420	Flame Atomic Absorption	40 mg/kg (ppm)
	22 CCR App. II, SW846-6010B or C	ICP-OES	2 mg/kg (ppm)
STLC	22 CCR App. II, 7000B/7420	Flame Atomic Absorption	0.4 mg/L (ppm)
	22 CCR App. II, SW846-6010B or C	ICP-OES	0.1 mg/L (ppm)
Soil	SW846-7000B	Flame Atomic Absorption	40 mg/kg (ppm)
	SW846-6010B or C	ICP-OES	2 mg/kg (ppm)
Wastewater Unpreserved <input type="checkbox"/>	SM3111B/SW846-7000B	Flame Atomic Absorption	0.4 mg/L (ppm)
Preserved with HNO ₃ pH < 2 <input type="checkbox"/>	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)
	EPA 200.7	ICP-OES	0.020 mg/L (ppm)
Drinking Water Unpreserved <input checked="" type="checkbox"/>	EPA 200.8	ICP-MS	0.001 mg/L (ppm)
Preserved with HNO ₃ pH < 2 <input checked="" type="checkbox"/>	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)
	EPA 200.5	ICP-OES	0.003 mg/L (ppm)
TSP/SPM Filter	40 CFR Part 50	ICP-OES	12 µg/filter
	40 CFR Part 50	Graphite Furnace AA	3.6 µg/filter
Other:			
Name of Sampler: Polina Pikes		Signature of Sampler: Pikes	
Sample #	Location	Volume/Area	Date/Time Sampled
SES-FB	Field blank	250	05/30/19 08:01
SESS1-A	Nurse's office sink	✓	✓ 08:03
Client Sample #s		Total # of Samples: 3	
Relinquished (Client): Pikes	Date: 05/30/2019	Time: 08:30	
Received (Lab): Sx	Date: 5/30/19	Time: 1:40 PM	
Comments: A-First draw sample F-after flush sample Analyze after flush sample only if first draw is >15 ppb Smith Elementary School CPCover 5/30/19 9:30p JarrodCovny 5/31/19 9AM			



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LEAD (Pb) CHAIN OF CUSTODY
EMSL ORDER ID *(Lab Use Only):*

011906618

EMSL Analytical, Inc.
200 Route 130 North

Cinnaminson, NJ 08077

PHONE 1-800-220-3675

FAX: (856) 786-5974

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

[illegible]

Attachment E – Flushing Log
(Complete for each school as applicable)

Name of School: Helen I. Smith Elementary School

Address: 30 Cambridge Ave., Saddle Brook, NJ 07663

Grade Levels: **K-6**

Individual School Project Officer Signature: [Signature] Date: 05/29/2019

[illegible]



EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

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

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

6/10/2019

Phone: (973) 636-9145

Fax: (973) 636-9144

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 5/31/2019. The results are tabulated on the attached data pages for the following client designated project:

19-163 Saddle Brook BOE

The reference number for these samples is EMSL Order #011906620. 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

Report amended 06/10/2019 11:24:31 Replaces initial report from 06/10/2019 11:22:32 Revised units to ppb

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: 011906620

CustomerID: RAMA51

CustomerPO:

ProjectID:

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

Phone: (973) 636-9145
Fax: (973) 636-9144
Received: 05/31/19 9:00 AM

Project: 19-163 Saddle Brook BOE

Analytical Results

Client Sample Description		WES-FB Field Blank		Collected:		5/30/2019 8:12:00 AM		Lab ID:		011906620-0001	
Method	Parameter		Result	RL	Units		Prep Date & Analyst		Analysis Date & Analyst		
METALS											
200.8	Lead		ND		1.00 ppb		6/4/2019	VD	06/04/19 12:41 VD		
Client Sample Description		WESS1-A Nurse's Office		Collected:		5/30/2019 8:14:00 AM		Lab ID:		011906620-0002	
Method	Parameter		Result	RL	Units		Prep Date & Analyst		Analysis Date & Analyst		
METALS											
200.8	Lead		3.68		1.00 ppb		6/4/2019	VD	06/04/19 12:42 VD		

Definitions:

MDL - method detection limit

J - Result was below the reporting limit, but at or above the MDL

ND - indicates that the analyte was not detected at the reporting limit

RL - Reporting Limit (Analytical)

D - Dilution



Lead (Pb) Chain of Custody

EMSL Order ID (Lab Use Only):

011906620

Cinnaminson, NJ 08077
PHONE: 1-800-220-3675
FAX: (856) 786-5974

Company: EnviroVision Consultants, Inc.		EMSL-Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different If Bill to is Different note instructions in Comments**		
Street: 20-21 Wagaraw Rd		Third Party Billing requires written authorization from third party		
City: Fair Lawn	State/Province: NJ	Zip/Postal Code: 07410	Country: US	
Report To (Name): Polina Pikes		Telephone #: 973-636-9145		
Email Address: psenvirovision@optimum.net		Fax #: 973-636-9144	Purchase Order:	
Project Name/Number: 19-163 Saddle Brook BOE		Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email		
U.S. State Samples Taken: NJ		CT Samples: <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> Residential/Tax Exempt		
Turnaround Time (TAT) Options* - Please Check				
<input type="checkbox"/> 3 Hour <input type="checkbox"/> 6 Hour <input type="checkbox"/> 24 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				
*Analysis completed in accordance with EMSL's Terms and Conditions located in the Price Guide				
Matrix	Method	Instrument	Reporting Limit	Check
Chips <input type="checkbox"/> % by wt. <input type="checkbox"/> mg/cm ² <input type="checkbox"/> ppm (mg/kg)	SW846-7000B	Flame Atomic Absorption	0.01%	<input type="checkbox"/>
Air	NIOSH 7082	Flame Atomic Absorption	4 µg/filter	<input type="checkbox"/>
	NIOSH 7105	Graphite Furnace AA	0.03 µg/filter	<input type="checkbox"/>
	NIOSH 7300M/NIOSH 7303	ICP-OES	0.5 µg/filter	<input type="checkbox"/>
Wipe* ASTM <input type="checkbox"/> non ASTM <input type="checkbox"/> *If no box checked, non-ASTM Wipe assumed	SW846-7000B	Flame Atomic Absorption	10 µg/wipe	<input type="checkbox"/>
	SW846-6010B or C	ICP-OES	1.0 µg/wipe	<input type="checkbox"/>
TCLP	SW846-1311/7000B/SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	SW846-1311/SW846-6010B or C	ICP-OES	0.1 mg/L (ppm)	<input type="checkbox"/>
SPLP	SW846-1312/7000B/SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	SW846-1312/SW846-6010B or C	ICP-OES	0.1 mg/L (ppm)	<input type="checkbox"/>
TTLC	22 CCR App. II, 7000B/7420	Flame Atomic Absorption	40 mg/kg (ppm)	<input type="checkbox"/>
	22 CCR App. II, SW846-6010B or C	ICP-OES	2 mg/kg (ppm)	<input type="checkbox"/>
STLC	22 CCR App. II, 7000B/7420	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	22 CCR App. II, SW846-6010B or C	ICP-OES	0.1 mg/L (ppm)	<input type="checkbox"/>
Soil	SW846-7000B	Flame Atomic Absorption	40 mg/kg (ppm)	<input type="checkbox"/>
	SW846-6010B or C	ICP-OES	2 mg/kg (ppm)	<input type="checkbox"/>
Wastewater Unpreserved <input type="checkbox"/> Preserved with HNO ₃ pH < 2 <input type="checkbox"/>	SM3111B/SW846-7000B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)	<input type="checkbox"/>
	EPA 200.7	ICP-OES	0.020 mg/L (ppm)	<input type="checkbox"/>
Drinking Water Unpreserved <input checked="" type="checkbox"/> Preserved with HNO ₃ pH < 2 <input checked="" type="checkbox"/>	EPA 200.8	ICP-MS	0.001 mg/L (ppm)	<input checked="" type="checkbox"/>
	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)	<input type="checkbox"/>
	EPA 200.5	ICP-OES	0.003 mg/L (ppm)	<input type="checkbox"/>
TSP/SPM Filter	40 CFR Part 50	ICP-OES	12 µg/filter	<input type="checkbox"/>
	40 CFR Part 50	Graphite Furnace AA	3.6 µg/filter	<input type="checkbox"/>
Other:				<input type="checkbox"/>
Name of Sampler: Polina Pikes		Signature of Sampler: Pikes		
Sample #	Location	Volume/Area	Date/Time Sampled	
WES-FB	Field blank	250 ml	05/30/19 08:12	
WESS1-A	Nurse's office	↓	↓ 08:14	
Client Sample #s		Total # of Samples: 3		
Relinquished (Client): Pikes	Date: 05/30/2019	Time: 08:30 a.m.		
Received (Lab): S. L.	Date: 5/30/19	Time: 1:30 PM		
Comments: Washington Elementary School				

Janrad Curry 5/31/19 9AM
C/Cover 5/30/19 9:30



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LEAD (Pb) CHAIN OF CUSTODY

EMSL ORDER ID (Lab Use Only):

011906620

EMSL Analytical, Inc.

200 Route 130 North

Cinnaminson, NJ 08077

PHONE: 1-800-220-3675

FAX (856) 786-5974

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

[illegible]Page 2 of 2 pages

Sd/- 5/30/17 11:54PM

Attachment E – Flushing Log
(Complete for each school as applicable)

Name of School: Washington Elementary School

Address: 225 Market Street, Saddle Brook, NJ 07663

Grade Levels: Pre-K / Special Ed.

Individual School Project Officer Signature: _____ Date: 05/29/2019

[illegible]