

# NVIVOVISION 20-21 Wagaraw Road - Bldg. 35E, Fair Lawn, NJ 07410 PH (973) 636-9145 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 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

Frederick Larson, President



200 Route 130 North, Cinnaminson, NJ 08077

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

Attn:

**Polina Pikes** 

6/10/2019

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 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.



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

EnvChemistry2@emsl.com http://www.EMSL.com

EMSL Order: CustomerID:

011906618

RAMA51

CustomerPO: ProjectID:

Attn: Polina Pikes

**EnviroVision Consultants, Inc** 

20-21 Wagaraw Rd

Bldg 35E

Fair Lawn, NJ 07410

Project: 19-163 Saddle Brook BOE

Phone: Fax:

(973) 636-9145 (973) 636-9144

Received:

05/31/19 9:00 AM

**Analytical Results** 

Client Sample Description SES-FB Collected:

5/30/2019 8:01:00 AM Lab ID:

011906618-0001

Field Blank

Parameter

Result

ND

1.08

RL Units

Prep Date & Analyst

Analysis Date & Analyst

**METALS** 

Method

200.8 Lead

1.00 ppb

1.00 ppb

6/4/2019

VD

06/04/19 12:37 VD

SESS1-A **Client Sample Description** 

Nurse's Office; Sink

Collected:

5/30/2019

Lab ID:

VD

011906618-0002

8:03:00 AM

6/4/2019

Analysis

06/04/19 12:38 VD

Method **Parameter** 

Result RL Units

Prep Date & Analyst Date & Analyst

**METALS** 

200.8

**Definitions:** 

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

Lead

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):

011906610

EMSL Analytical, Inc. 200 Route 130 North

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

										`			
Company : Env	viroVision Consu	ltants, I	nc.							Differen			
Street: 20-21 V					Th	ird Party Bil	lina reau	ires writte	n autho	rization froi	n third	party	
City: Fair Lawn		State/F	Province: NJ		Third Party Billing requires written authorization from third party  Zip/Postal Code: 07410 Country: US								
	ne): Polina Pikes	,			Telephone #: 973-636-9145								
	psenvirovision@		um.net		Fax #: 973-636-9144 Purchase Order:								
	lumber: 19-163 S					rovide Res		Fax	[√]E		0.00	•	
U.S. State Sam						les: 🔲 Co					tial/Ta	v Ev	omnt
O.O. State Sam	pies Taken, No	Tu	rnaround	Time (TA					DIG [	Nesidell	cian re	A LA	dilipe
☐ 3 Hour	☐ 6 Hour			48 Hour		2 Hour		Hour		1 Week	1 6	] 2 V	Veek
	*Analysis		d in accordanc				ns locate	d in the Pi	rice Gu	ide			
	Matrix			Method		Ins	trume	nt	Re	porting L	.imit	C	heck
Chips 🗌 % by w	rt. 🔲 mg/cm² 🔲 ppm	(mg/kg)	SV	V <b>84</b> 6-7000	3	Flame At	tomic Ab	sorption		0.01%	-40		
Air			N	IOSH 7082		Flame At	omic Ab	sorption		4 µg/filté	r 🖫		
				IOSH 7105			te Furna	ce AA		).03 µg/(ti		1	
			NIOSH 7	300M/NIOS	SH 7303		CP-OES		_	0.5 µg/filt		1	
Wipe*	ASTM non ASTM	R	SV	V846-7000E	3	Flame At	omic Ab	sorption		10 µg/wip	e.	P	
*if no box checked, assumed		Ц	SW8	46-6010B c	or C	10	CP-OES		_	1.0 µg/wij	05.		
TCLP				11/7000B/S		Flame At	omic Ab	sorption		4 mg/L (p			
			SW846-131				CP-OES			l mg/L (p		_	
SPLP				12/7000B/S		Flame At		sorption		mg/L (p		1_	
			SW846-131				CP-OES			mg/L (p		$\vdash$	무
TTLC			22 CCR App	App. II, 7000		Flame At	OMIC AD:	sorption		mg/kg (p mg/kg (pr		-	H
				App. II, 7000		Flame At		sorption		mg/L (p		$\vdash$	븕
STLC			22 CCR App.				CP-OES	JOI PLION		mg/L (p			Ħ
Soil			SV	V846-7000E	3	Flame At	omic Ab	sorption		mg/kg (p			ā
			SW8	46-6010B c	or C	10	CP-OES			mg/kg (p			
Montavetar	Unarrananiad		SM3111	B/SW846-	7000B	Flame Atomic Absorption		0.4 mg/L (ppm)					
Wastewater Preserved with	Unpreserved h HNO <sub>3</sub> pH < 2	8	E	EPA 200.9		Graphite Furnace AA		0.003 mg/L (ppm)					
1 10001100 1111				EPA 200.7		ICP-OES		0.020 mg/L (ppm)					
Drinking Wate	r Unpreserved			EPA 200.8 EPA 200.9			ICP-MS	AA		01 mg/L (p		-	V
Preserved with	$1 \text{ HNO}_3 \text{ pH} < 2$	X		EPA 200.5		Graphite Furnace AA ICP-OES		0.003 mg/L (ppm) 0.003 mg/L (ppm)			H		
				CFR Part 5	0	ICP-OES		12 µg/filter		1	H		
TSP/SPM Filte	er ————————————————————————————————————		40	CFR Part 5	0	Graphil	te Furna	ce AA		3.6 µg/filte			ă
Other:													
Name of Sam	pler: Polina	Pik	es		Signa	ture of S	amplei	7	ites	2			
Sample #		Locati	on				ne/Are	а		Date/	Time	Sam	pled
SES-FB	Field blank				250					05/3	0/19	08	8:01
SESS1-A	Nurse's office	sink			$\bigvee$					V		08	1103
Client Sample	#s	-					Tota	I # of Sa	ample	s:	3		
Relinquished	(Client):	tes		Date:	05/3	0/201		Time:		08:3			
Received (Lab):	50	L		Date:	5130	119		Time:		1:40	PHI		
Comments:			Distriction of the Control of the Co			th Elei	mon		Sch	nol			
A-First draw sample F	after flush sample Analize	arter flush s	ample only if first dr	aw is =15 ppb	SIMI	in eie	A	The state of the s			, ,	217	
							10	NICA-	A 10	5/3/11	14	7 51	"An

Contrailed Cocument - COC 25 case (Po) - RB - 7119/7017.

Page 1 of 2 pages

JamodCuny 5/31/19 9AM

OrderID: 011906618



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

EMSL Ana	lytical, Inc.
200 Route	130 North

DRATORY-PRODUCTS-TRAINING

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

Sample #	Location	Volume/Area	Date/Time Sampled
SESS1-F	Nurse's office sink	250 ml	05/30/19 08:0
			2019 HAY
			30
			PH 1: 10
	<u>.</u>		
	Decial Instructions:  after flush sample Analize after flush sample only if first draw is >15 pp	Smith Elemento	Ry School

Page 2 of 2 pages

Controlled Document - COC 25 Lead (Pb): R8-7/19/2017

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

Name of School: Helen I. Smith Elementary School	A Company of the Comp
Address: 30 Cambridge Ave., Saddle Brook, NJ 07663	
Grade Levels: K-6	***************************************
Individual School Project Officer Signature:	Date: <u>05/29 /2019</u>

Sample Location Description	Sample Location Code	Date	Time	Duration of Flushing	Reason for Flushing
Nurse's office sink	SESS1	\$/29	9.00AM	15 min	Pre sampling
Samuel Sa					
	112112				



200 Route 130 North, Cinnaminson, NJ 08077

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

Attn: Polina Pikes

6/10/2019

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 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.



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

http://www.EMSL.com

EnvChemistry2@emsl.com

EMSL Order: CustomerID:

011906620 RAMA51

CustomerPO:

ProjectID:

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

Fair Lawn, NJ 07410

Project: 19-163 Saddle Brook BOE

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

#### **Analytical Results**

Client Sample De	scription 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 De	scription 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

OrderID: 011906620



#### 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 (856) 786-5974

Company : EnviroVision Consultants, Inc.			EMSL-Bill to: ☑ Same ☐ Different  If Bill to is Different note instructions in Comments**								
Street: 20-21 Waga					Third Party Billing requires written authorization from third party						
City:Fair Lawn		State/F	rovince: NJ		Zip/Postal Code: 07410 Country: US					zaity	
Report To (Name):	Polina Pikes	s			Telephone #: 973-636-9145						
Email Address: pse			um.net		Fax #: 973-636-9144 Purchase Order:				,,		
Project Name/Numb						rovide Res		Fax			•
U.S. State Samples										Residential/Ta	v Everent
O.O. Otate Campies	Takett.110	Tu	rnaround	Time (TA					Ne 🗀	residentiali la	A EXOMPT
☐ 3 Hour ☐	6 Hour			48 Hour		2 Hour	-	6 Hour		1 Week	2 Week
	_	complete	d in accordance						_	_	
Mat	trix			Method		Ins	trume	nt	Rep	orting Limit	Check
Chips   % by wt.	mg/cm² 🔲 ppr	n (mg/kg)	sv	V846-7000E	3	Flame At	omic Ab	sorption		0.01%	
Air			N	IOSH 7082		Flame Ato	omic Ab	sorption		4 μg/fitter	
				IOSH 7105			e Furna			03 µgotter	
100				300M/NIOS			CP-OES			.5 µg/filter 🚊	
Wipe*	ASTM non ASTM	R	SV	V846-7000E	3	Flame Ate	omic Ab	sorption	1	0 µg/ <b>v/m</b> e 🚆	
*if no box checked, non-A		ш	SW8	46-6010B o	or C	IC	CP-OES		1.	0 µg/wipe	
TCLP			SW846-13	11/7000B/S	M 3111B	Flame Ato	omic Ab	sorption	0.4	mg/L (ppm)	
			SW846-1311/SW846-60		010B or C	IC	CP-OES	, , , , , , , , , , , , , , , , , , ,		mg/L (ppm)	
SPLP			SW846-1312/7000B/SM			Flame Atomic Absorption			mg/L (ppm)		
		_	SW846-1312/SW846-60			ICP-OES			mg/L (ppm)		
TTLC				App. II, 7000	DB/7420 Flame Atomic Absorption 010B or C ICP-OES			ng/kg (ppm) ng/kg (ppm)			
				App. II, 7000		Flame Ato				mg/L (ppm)	
STLC			22 CCR App.				P-OES			mg/L (ppm)	
Soil			SV	V846-7000E	3	Flame Ato	omic Ab	sorption		ng/kg (ppm)	
		_	SW8	46-6010B o	r C	IC	CP-OES			ng/kg (ppm)	
Wastewater Un	preserved		SM3111B/SW846-7000B		7000B	Flame Ato	omic Ab	sorption	0.4	mg/L (ppm)	
Preserved with HN	•			PA 200.9		Graphite Furnace AA		0.003 mg/L (ppm)			
				EPA 200.7		ICP-OES		0.020 mg/L (ppm)			
Drinking Water Ur	npreserved	-	EPA 200.8 EPA 200.9			ICP-MS Graphite Furnace AA		0.001 mg/L (ppm) 0.003 mg/L (ppm)			
Preserved with HN	$O_3 pH < 2$	X	EPA 200.5			ICP-OES		0.003 mg/L (ppm)		H	
TOD/ODM Elle				CFR Part 5	0	ICP-OES		12 µg/filter		Ħ	
TSP/SPM Filter			40	CFR Part 5	0	Graphit	e Fuma	ce AA		6 µg/filter	
Other:											
Name of Sampler:	Polin	a Pi	kes		Signa	ture of Sa	ample	r: R	kes		
Sample #		Location	on			Volum	ne/Are	a		Date/Time S	Sampled
WES-FB Field	d blank				250 m	2				05/30/19	08:12
WESS1-A Nurs	se's office	)			V					V	08:14
Client Sample #s	Client Sample #s Total # of Samples: 3										
Relinquished (Clie	ent):	Ples	2	Date:	05/	30/201	9	Time:		08:30 a	a.m.
Received (Lab):	5.5	K		Date:	5/3	0119		Time:		1,301bb	1
Comments:											

Controlled December: IDDC 25 Lead (Pb) - R6-7/19/2017

Page 1 of 2 pages Jamed County 5/31/19 Crcoccv 19 9AM 9:30

2

OrderID: 011906620



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

SL	ORDER ID (Lab Use Only):	
0	11906620	

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

Sample #	Location	Volume/Area	Date/Time Sampled
WESS1-F	Nurse's office	250 ml	05/30/19 08:1
			2
			2019 MAY 30
			NY 30 PM
	pecial Instructions:  After flush sample only if first draw is >15 ppb	washington Elemente	ary School

Page 2 of 2 pages

Cantroller Incurrent - COC 25 (eau (Pb) - R8 - 1/19/2011

S. \$ 5130117 1:39PM

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

Name of School: Washington Elementary	School	
Address: 225 Market Street, Saddle Broo	k, NJ 07663	- continue va va water per ex
Grade Levels: Pre-K / Special Ed.		
Individual School Project Officer Signature:	K.O.	Date: 05/29/2019

Sample Location Description	Sample Location Code	Date	Time	Duration of Flushing	Reason for Flushing
Nurse's office	WESS1	5/29	SiDOAM	15 min	Pre sampling
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		ļ			
	<del>- DI - JOS-XIII</del>			<del></del>	
				feet value of the second of the second	
	NORTH THE REAL PROPERTY.				