

NVIVO VISION 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: District wide Lead (Pb) in water sampling

ADDRESS: 355 Mayhill street, Saddle Brook, NJ 07663

FIELD TECHNICIANS: Polina Pikes REPORT DATE: May 7, 2019

EnviroVision Consultants, Inc. was contracted by Saddle Brook School District to conduct a District wide Lead (Pb) in water sampling.

Polina Pikes, EnviroVision's environmental field technician arrived at the project site early morning on April 17, 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).

Four (4) samples collected at Saddle Brook School District indicated lead in water levels at or above the recommended 'action level' as established by The United States Environmental Protection Agency (USEPA) of 15 parts per billion (ppb).

WASHINGTON ELEMENTARY SCHOOL LEAD (PB) IN WATER RESULTS OF CONCERN:

Sample No.	Location	Results
WESS1	Nurse's office sink	15.0 ppb

HELEN I. SMITH ELEMENTARY SCHOOL LEAD (PB) IN WATER RESULTS OF CONCERN:

Sample No.	Location	Results
SESS1	Nurse's office sink	20.5 ppb



Page 2 (Saddle Brook School District)

Project #19-163

LONG MEMORIAL ELEMENTARY SCHOOL LEAD (PB) IN WATER RESULTS OF CONCERN:

Sample No.	Location	Results
LESS2	Kitchen sink	31.1 ppb

SADDLE BROOK MIDDLE & HIGH SCHOOL LEAD (PB) IN WATER RESULTS OF CONCERN:

Sample No.	Location	Results
SBHSS3	Kitchen sink	35.6 ppb

^{*}Highlighted results are at or exceed the USEPA allowable limit of <u>15 Parts Per Billion</u> (ppb).

At this moment we recommend that some or all of the following steps be taken

- ➤ Closure of certain water taps until the system can be further evaluated and proper remedial action is achieved.
- > Collection of post flush sample to determine a source of leaching and contamination (plumbing withing school building or outlet/fixture itself)
- Removal and replacement with non-lead containing fixtures.
- > Change of filtration systems (including post installation performance monitoring)
- > Contact the water utility to obtain information about their corrosion control procedures and how it might affect the Districts control plans.
- > Development of a Flushing Program for those taps high in lead and turbidity. This may include automatic flushing systems.

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

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 4/18/2019. 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 #011904451. 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.

5/6/2019



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:

011904451 RAMA51

CustomerPO: ProjectID:

(973) 636-9145

(973) 636-9144

04/18/19 9:00 AM

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

Project: 19-163 Saddle Brook BOE

		Analytical R	esults				
Client Sample Description	WES-FB Field Blank		Collected:	4/17/2019 9:15:00 AM	Lab ID:	011904451	-0001
Method	Parameter	Result	RL Units	Pro Da		Analysis Date	Analyst
METALS							
200.8	Lead	ND	1.00 µg/L	4/3	80/2019 VD	4/30/2019	VD
Client Sample Description	WESS1 Nurse's Office		Collected:	4/17/2019 9:16:00 AM	Lab ID:	011904451	-0002
Method	Parameter	Result	RL Units	Pre Da		Analysis Date	Analyst
METALS							
200.8	Lead	15.0	1,00 µg/L	4/3	0/2019 VD	4/30/2019	VD
Client Sample Description	WESF1 Hallway by Room 6		Collected:	4/17/2019 9:18:00 AM	Lab ID:	011904451	-0003
Method	Parameter	Result	RL Units	Pre Da		Analysis Date	Analyst
METALS							
200.8	Lead	3.60	1.00 µg/L	4/3	0/2019 VD	4/30/2019	VD

Phone:

Received:

Fax:

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):

0119	04451	

EMSL Analytical, Inc. 200 Route 130 North

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

Company : E	company : EnviroVision Consultants, Inc.			EMSL-BIII to: ✓ Same ☐ Different If Bill to is Different note instructions in Comments**								
	Wagaraw Rd					7,	nird Party Billin	na neaui	nes writter	n author	ization from third ;	nertv
City: Fair Law	/n		State/F	rovince: NJ			al Code: 074		00 11,110,		Country: US	July
Report To (Na	me): Polina P	ikes				Telephone #: 973-636-9145						
	s: psenvirovis			um.net		Fax #: 973-636-9144 Purchase Order:						
	/Number: 19-1					Please Provide Results: Fax Famil						
	mples Taken:		Jaddic	DIOOK BOL					_	-		-
U.S. State Sai	npies raken:	10	т.	irnaround	Time /TA		CT Samples: Commercial/Taxable Residential/Tax Exem T) Options* - Please Check					x Exempt
☐ 3 Hour	☐ 6 Hour	Т			348 Hour		2 Hour	☐ 96			1 Week	2 Week
		_				SL's Terms and Conditions located in the Price Guide				1 7 AAGGK		
	Matrix				Method		Instrument		Reporting Limit		Check	
Chips 🗌 % by	wt. mg/cm²	ррт	(mg/kg)	SV	V846-7000E	3	Flame Ator	mic Abs	orption		0.01%	
Air				N	IOSH 7082		Flame Ator	nic Abs	orption	4	4 μg/filter	
				IOSH 7105		Graphite		e AA		03 µg/filter		
1411					300M/NIOS		ICF	P-OES		0	.5 µg/filter	
Wipe*	ASTM non ASTM ded, non-ASTM Wipe			SV	V846-7000E	3	Flame Ator	nic Abs	orption	1	0 µg/wipe	
*if no box checke			SW8	46-6010B o	or C	ICF	P-OES		1.	.0 µg/wipe		
TCLP				SW846-13	11/7000B/S	M 3111B	Flame Aton	nic Abs	orption	0.4	mg/L (ppm)	
				SW846-131	1/SW846-6	010B or C		P-OE\$		0.1	mg/L (ppm)	
SPLP						B/SM 3111B Flame Atomic Al			orption		mg/L (ppm)	
				SW846-131					0.1			
TTLC				22 CCR App. II, 7000B/7420		Flame Atomic Absorption ICP-OES		40 mg/kg (ppm)				
				22 CCR App. II, SW846-6010B or C 22 CCR App. II, 7000B/7420				omtion	2 mg/kg (ppm)			
STLC				22 CCR App. II, 7000B/7420		Flame Atomic Absorption ICP-OES		0.4 mg/L (ppm) 0.1 mg/L (ppm)				
Soil		_		SW846-7000B		Flame Atomic Absorption		orntion	40 mg/kg (ppm)			
				SW846-6010B or C		ICP-OES		2 mg/kg (ppm)				
101				SM3111B/SW846-7000B		Flame Atomic Absorption		0.4 mg/L (ppm)		- F		
Wastewater	Unpreserve	d			PA 200.9		Graphite			0.003 mg/L (ppm)		H
Freserved w	ith HNO ₃ pH <			EPA 200.7			ICP-OES			0.020 mg/L (ppm)		
Drinking Wat	ter Unpreserve	ed.	✓		PA 200.8		ICP-MS		0.001 mg/L (ppm)		Ø	
	ith HNO ₃ pH <		<u> </u>	EPA 200.9			Graphite Furnace AA		0.003 mg/L (ppm)			
				EPA 200.5			ICP-OES		0.003 mg/L (ppm)			
TSP/SPM File	ter				CFR Part 50 CFR Part 50		ICP-OES Graphite Furnace AA		12 µg/filter			
Other:				10	OTTO GIT OF		Orapriite	Turriace		3.6 µg/filter		
Name of San	npler:					Signa	ture of Sar	noler:	7	les		
Sample #			Location	on			Volume		7.	200	Date/Time S	Sampled
WES-FB	Field blank					250 ml					04/17/19	09:15
WESS1	Nurse's off	ice				V						09:16
Client Sampl	e #s							Total	# of Sa	mples		00.10
Relinquished (Client): Ples			Les		Date:	04/	14/19		Time:		09118	
Received (Lab):	L	- 60	ours	Date:	4/18	3/19		Time:		9AM	
Comments:	F-alter flush sample Ar		Mar Bush se		w is ≥15 ppb						1/1/-	

Page 1 of 2 pages

* HN03 adacd 4/18/19 DIOAM-JC *



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

 			(Lub Gud Griff).	
01	19	04451		

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
WESF1	Hallway by Rm 6	250 ml	04/17/19 09:18
	eclal Instructions:		
Wild S	~ MAN - MAT MAN MAN () - MET - MET (MIMEMOTO) (MAN MET VOTO) (MAT MITTER (TO) (전투 로 토토)		

Page _____ of ____ pages

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: <u>04/16/2019</u>

Sample Location Description	Sample Location	Date	Time	Duration of Flushing	Reason for Flushing
Nurse's office	Code WESS1	4/16/19	9:00	15 min	Pre sampling
Hallway by Rm 6	WESF1	416/19	9:00	15 min	Pre sampling
				-	Lucian -
000 - 120 W. Tanana T. L.					
///				548	
		2011			
				- CONTRACTOR - CON	
	=				



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

Phone: (973) 636-9145

Fax:

(973) 636-9144

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 4/18/2019. 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 #011904452. 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.

5/6/2019



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: CustomerPO:

ProjectID:

011904452

RAMA51

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: 04/18/19 9:00 AM

Analytical Results

		Allalytical I	/cours				
Client Sample Description	n SES-FB Field Blank		Collected:	4/17/2019 10:20:00 AM	Lab ID:	01190445	2-0001
Method	Parameter	Result	RL Units	Prep Date	Analyst	Analysis Date	Analys
METALS							
200.8	Lead	ND	1.00 µg/	L 5/1/20	019 VD	5/1/2019	VD
Client Sample Description	n SESF2 1st Floor Hallway; By Room 8		Collected:	4/17/2019 10:20:00 AM	Lab ID:	01190445	2-0002
Method	Parameter	Result	RL Units	Prep Date	Analyst	Analysis Date	Analys
METALS							
200.8	Lead	7.28	1.00 µg/	L 5/1/20)19 VD	5/1/2019	VD
Client Sample Description	n SESS1 Nurse's Office; Sink		Collected:	4/17/2019 10:21:00 AM	Lab ID:	01190445	2-0003
Method	Parameter	Result	RL Units	Prep Date	Analyst	Analysis Date	Analys
METALS							
200.8	Lead	20.5	1.00 µg/	L 5/1/20)19 VD	5/1/2019	VD
Client Sample Description	SESF3 1st Floor Hallway; By Room 14		Collected:	4/17/2019 10:23:00 AM	Lab ID:	01190445	2-0004
Method	Parameter	Result	RL Units	Prep Date	Analyst	Analysis Date	Analys
METALS							
200.8	Lead	ND	1.00 µg/	L 5/1/20	19 VD	5/1/2019	VD
Client Sample Description	SESF4 1st Floor Hallway; By Room 3		Collected:	4/17/2019 10:25:00 AM	Lab ID:	011904452	2-0005
Method	Parameter	Result	RL Units	Prep Date	Analyst	Analysis Date	Analys
METALS							
200.8	Lead	ND	1.00 µg/	L 5/1/20	119 VD	5/1/2019	VD
Client Sample Description	SESF5 1st Floor Hallway; By Bathrooms		Collected:	4/17/2019 10:28:00 AM	Lab ID:	011904452	2-0006
Method	Parameter	Result	RL Units	Prep Date	Analyst	Analysis Date	Analys
METALO							



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:

011904452

RAMA51

CustomerPO: ProjectID:

Prep

5/1/2019

VD

5/1/2019

Analysis

011904452-0008

VD

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 (973) 636-9144 Fax: Received: 04/18/19 9:00 AM

Analytical Results

SESF5 Collected: 4/17/2019 Lab ID: 011904452-0006 Client Sample Description 1st Floor Hallway; By Bathrooms 10:28:00 AM Analysis Prep Method **Parameter** Result RL Units Date Analyst Date Analyst

ND 1.00 µg/L 5/1/2019 VD 5/2/2019 VD 200.8 Lead

SESF6 4/17/2019 Client Sample Description Collected: Lab ID: 011904452-0007

> 10:28:00 AM 1st Floor Hallway; By Bathrooms

Analysis Result RL Units Date Date Method **Parameter** Analyst Analyst **METALS**

1.00 µg/L

200.8 Lead **Client Sample Description** SESS2 Collected: 4/17/2019 Lab ID:

> Kitchen Sink 10:30:00 AM

ND

Prep Method Parameter Result RL Units Date Analyst Date Analyst

METALS

METALS

ND 5/1/2019 VD 5/1/2019 1.00 µg/L VD 200.8 Lead

SESF7 Collected: 4/17/2019 Lab ID: **Client Sample Description** 011904452-0009

> 10:33:00 AM Multipurpose Room

Prep Analysis Method Parameter Result RL Units Date Analyst Analyst

METALS

METALS

METALS

2.26 5/1/2019 VD VD 200.8 Lead 1.00 µg/L 5/1/2019

SESF8 4/17/2019 Lab ID: **Client Sample Description** Collected: 011904452-0010

> Multipurpose Room 10:33:00 AM

Prep Analysis

Method Parameter Result RL Units Date Analyst Date

2.85 1.00 µg/L 5/1/2019 VD 5/2/2019 VD 200.8 Lead

4/17/2019 **Client Sample Description** SESF9 Collected: Lab ID: 011904452-0011

> 10:35:00 AM Room 2 (Kindergarten)

Prep Analysis

RL Units Method Parameter Result Date Analyst Date Analyst

Analyst



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:

011904452

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:

04/18/19 9:00 AM

Analytical Results

Client Sample Description	n SESF9 Room 2 (Kindergarten)		Collected:	4/17/2019 10:35:00 AM	Lab ID:	011904452	2-0011
Method	Parameter	Result	RL Units	Prep Date	Analyst	Analysis Date	Analyst
METALS							
200.8	Lead	ND	1.00 µg/L	5/1/2019	VD	5/1/2019	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):

			• • •
7	1	1904452	

EMSL Analytical, Inc. 200 Route 130 North

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

Company : EnviroVision Consultants, Inc.			EMSL-Bill to: Same Different If Bill to is Different note instructions in Comments**						
Street: 20-21 \				Third Party Billing requires written authorization from third party					
City: Fair Lawn				Zip/Postal Code: 07410 Country: US					апу
	ne): Polina Pike		101111001111		e #: 973-636-9			ountry. Go	
	; psenvirovision		ım net		070 000 0444				
							_	urchase Order	:
Project Name/Number: 19-163 Saddle Brook BOE			DIOOK BUE		rovide Results:				
U.S. State Sam	ples Taken: NJ		17. /7.		les: Comme		ole 🗌	Residential/Tax	Exempt
Памана	Пон		rnaround Time (TA					1 =	1 0 101
3 Hour	6 Hour	_	Hour 48 Hour			96 Hour			2 Week
	Matrix	Complete	Method	LS Terris a	Instrum			orting Limit	Check
Chips % by w	vt. mg/cm² pp	m (ma/ka)	SW846-70008		Flame Atomic		Kep	0.01%	
Air			NIOSH 7082		Flame Atomic				
			NIOSH 7002		Graphite Fun			4 μg/filter 03 μg/filter	
			NIOSH 7300M/NIOS		ICP-OE			.5 μg/filter	
Wipe*	ASTM		SW846-7000E		Flame Atomic			0 μg/wipe	T T
*if no box checked,	non ASTM non-ASTM Wipe		SW846-6010B o		ICP-OE			0 μg/wipe	
TCLP			SW846-1311/7000B/S	M 3111R	Flame Atomic A	Absorption	0.4	mg/L (ppm)	
. 02.			SW846-1311/SW846-6		ICP-OE			mg/L (ppm)	H
001.0	_		SW846-1312/7000B/S	M 3111B	Flame Atomic Absorption			mg/L (ppm)	
SPLP			SW846-1312/SW846-6	010B or C	ICP-OES		0.1 mg/L (ppm)		
TTLC			22 CCR App. II, 7000				40 mg/kg (ppm)		
			22 CCR App. II, SW846-6				ig/kg (ppm)		
STLC			22 CCR App. II, 7000				mg/L (ppm)		
			22 CCR App. II, SW846-6			0.1 mg/L (ppm)			
Soil				SW846-7000B		Flame Atomic Absorption		ng/kg (ppm)	
			SW846-6010B o		ICP-OE			ig/kg (ppm)	
Wastewater	Unpreserved		SM3111B/SW846-7	000B	Flame Atomic Absorption		0.4 mg/L (ppm)		
Preserved with	$h HNO_3 pH < 2$		EPA 200.9 EPA 200.7		Graphite Furnace AA ICP-OES		0.003 mg/L (ppm)		- #-
			EPA 200.8		ICP-MS		0.020 mg/L (ppm) 0.001 mg/L (ppm)		
Drinking Water			EPA 200.9		Graphite Furnace AA		0.001 mg/L (ppm)		H
Preserved with	h HNO₃ pH < 2		EPA 200.5		ICP-OES			3 mg/L (ppm)	
TSP/SPM Filte			40 CFR Part 5)	ICP-OE	S	12 µg/filter		
			40 CFR Part 50)	Graphite Furr	nace AA	3.	6 µg/filter	
Other:							,,		
Name of Samp	pler:			Signa	ture of Sampl	er: H	les		
Sample #		Location	on		Volume/Ar	'02		Date/Time S	ampled
SES-FB	SES-FB Field blank			250				04/17/19	10:20
SESF2	1st Fl Hallwa	y by Rr	n 8	V					10:20
Client Sample	#s	-				tal # of Sa	mples	: 11	
Relinquished	(Client): \mathcal{P}_{φ}	tes	Date:	04/17	1/19 1041	Time:		10:41	
Received (Lab): Comments:	STET Trush sample Analize	MFOOL () ratter flush se	Date:	14/18,	/19	Time:		9 AM	

Page 1 of 2 pages

* HN03 added 4/18/19 @10Am-JC*



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

1SL ORDER ID (Lab Use Only):

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
SESS1	Nurse's office sink	250 ml	04/17/19 10:21
SESF3	1st Fi Hallway by Rm 14		10:23
SESF4	1st Fl Hallway by Rm 3		10:25
SESF5	1st FI Hallway by bathrooms		10:23
SESF6	1st Fl Hallway by bathrooms		10:28
SESS2	Kitchen sink		10:30
SESF7	Multipurpose room		10:33
SESF8	Multipurpose room		10:33
SESF9	Room 2 (Kindergarten)		10:35
Comments/Sp	ecial Instructions:		
(r First draw sample F-	after flush sample Analice after flush sample only it first draw-ie ➤15 ppb ——		

Page _____ of ____ pages

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:

Date: 04/16 /2019

Sample Location Description	Sample Location Code	Date	Time	Duration of Flushing	Reason for Flushing
1st Fl Hallway by Rm 8	SESF2	4/16/19	9'20	15 min	Pre sampling
Nurse's office sink	SESS1		9:19	15 min	Pre sampling
1 st Fl Hallway by Rm 14	SESF3		9:30	15 min	Pre sampling
1st Fl Hallway by Rm 3	SESF4		9:45	15 min	Pre sampling
1st FI Hallway by bathrooms	SESF5		16:00	15 min	Pre sampling
1st Fl Hallway by bathrooms	SESF6		10:15	15 min	Pre sampling
Kitchen sink	SESS2		10:30	15 min	Pre sampling
Multipurpose room	SESF7		10:45	15 min	Pre sampling
Multipurpose room	SESF8	1	11:00	15 min	Pre sampling
Room 2 (Kindergarten)	SESF9	4/14/19	11:15	15 min	Pre sampling



200 Route 130 North, Cinnaminson, NJ 08077

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

Attn:

Polina Pikes 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 4/18/2019. 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 #011904491. 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.

5/6/2019



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:

011904491

RAMA51

CustomerPO: ProjectID:

(973) 636-9145

(973) 636-9144

04/18/19 9:00 AM

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

Project: 19-163 Saddle Brook BOE

Anal	lytical	Resu	lts
------	---------	------	-----

Phone:

Received:

Fax:

			Inalytical	Result	s					
Client Sample Description	n LES-FB Field Blar	nk		Colle	ected:	4/17/2019 9:57:00 AM		Lab ID:	01190449	1-0001
Method	Parameter		Result	RL	Units		Prep Date	Analyst	Analysis Date	Analyst
METALS										
200.8	Lead		ND		1.00 µg/	Ľ	5/1/2019	9 VD	5/1/2019	VD
Client Sample Description	n LESF1 Room 10	1		Colle	ected:	4/17/2019 9:58:00 AM		Lab ID:	01190449	1-0002
Method	Parameter		Result	RL	Units		Prep Date	Analyst	Analysis Date	Analyst
METALS										
200.8	Lead		2.77		1.00 µg/	L	5/1/2019	9 VD	5/1/2019	VD
Client Sample Description	n LESF2 Room 102	2		Colle	ected:	4/17/2019 9:59:00 AM		Lab ID:	01190449	1-0003
Method	Parameter		Result	RL	Units		Prep Date	Analyst	Analysis Date	Analyst
METALS										
200.8	Lead		2.22	1	.00 µg/	L	5/1/2019	9 VD	5/1/2019	VD
Client Sample Description		Hallway Across Faculty		Colle	cted:	4/17/2019 10:01:00 AM		Lab ID:	01190449	1-0004
Method	Parameter		Result	RL	Units		Prep Date	Analyst	Analysis Date	Analyst
METALS										
200.8	Lead		1,86	1	.00 µg/	L	5/1/2019) VD	5/1/2019	VD
Client Sample Description	LESS1 Nurse's O	ffice Sink		Colle	cted:	4/17/2019 10:03:00 AM		Lab ID:	01190449	1-0005
Method	Parameter		Result	RL	Units		Prep Date	Analyst	Analysis Date	Analyst
METALS										
200.8	Lead		6.31	1	.00 µg/l	L	5/1/2019	VD VD	5/1/2019	VD
Client Sample Description	LESS2 Kitchen S	ink		Colle	cted:	4/17/2019 10:05:00 AM		Lab ID:	01190449	1-0006
Method	Parameter		Result	RL	Units		Prep Date	Analyst	Analysis Date	Analyst
METALS										



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:

011904491

RAMA51

CustomerPO: ProjectID:

(973) 636-9145

(973) 636-9144

04/18/19 9:00 AM

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

Project: 19-163 Saddle Brook BOE

Analytical Results

Phone:

Received:

Fax:

Client Sample Description	n LESS2 Kitchen Sink		Collected: 4/17/20 10:05:00		011904491-0006
Method	Parameter	Result	RL Units	Prep Date Analys	Analysis t Date Analyst
METALS					
200.8	Lead	31.1	1.00 µg/L	5/1/2019 VD	5/1/2019 VD
Client Sample Description	n LESF4 Cafeteria		Collected: 4/17/20 10:06:00		011904491-0007
Method	Parameter	Result	RL Units	Prep Date Analys	Analysis t Date Analyst
METALS					
200.8	Lead	1.27	1.00 µg/L	5/1/2019 VD	5/1/2019 VD
Client Sample Description	LESF5 1st Floor Hallway by Room 7		Collected: 4/17/20 10:09:00 <i>i</i>		011904491-0008
Method	Parameter	Result	RL Units	Prep Date Analys	Analysis t Date Analyst
METALS					
200.8	Lead	ND	1.00 µg/L	5/1/2019 VD	5/1/2019 VD
Client Sample Description	LESF6 1st Floor Hallway by Room 7		Collected: 4/17/20 10:09:00 <i>i</i>		011904491-0009
Method	Parameter	Result	RL Units	Prep Date Analys	Analysis t Date Analyst
METALS					
200.8	Lead	ND	1.00 μg/L	5/1/2019 VD	5/1/2019 VD

Result

1.66

Collected:

RL Units

1.00 µg/L

4/17/2019

Prep

Date

5/1/2019

10:11:00 AM

Lab ID:

Analyst

VD

Definitions:

Method

METALS 200.8

MDL - method detection limit

Client Sample Description

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

LESF7

Parameter

2nd Floor Hallway by Bathrooms

RL - Reporting Limit (Analytical)

D - Dilution

011904491-0010

Analyst

Analysis

5/2/2019

Date



Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only):

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:						
Street: 20-21 Wagaraw Rd				Third Party Billing requires written authorization from third party					
City:Fair Lawn	State/F	Province: NJ			al Code: 07410	quii as viillai		Country: US	Derty
Report To (Name): Polina Pikes					ne #: 973-636-9	145		Jounary, 30	
Email Address: psenvirovision(um net			3-636-9144		Ι,	D	
			-					Purchase Order	:
Project Name/Number: 19-163 Saddle Brook BOE				rovide Results:		√ En			
U.S. State Samples Taken: NJ Turnaround Time (TA				les: Comme		ole 📙	Residential/Ta	x Exempt	
☐ 3 Hour ☐ 6 Hour	6 Hour 24 Hour 48 Hour			The second secon				4 Week E	1 0 10/2 21
					nd Conditions loca	96 Hour			2 Week
Matrix	00		Method	20 7011110 0	Instrum			orting Limit	Check
Chips 🗌 % by wt. 🔲 mg/cm² 🔲 ppn	n (mg/kg)	SV	V846-7000E	3	Flame Atomic A	bsorption		0.01%	
Air		N	IOSH 7082		Flame Atomic A	bsorption		4 μg/filter	
		N	IOSH 7105		Graphite Furr	ace AA		03 µg/filter	
		NIOSH 7	300M/NIOS	H 7303	ICP-OE	S	0	.5 µg/filter	
Wipe* ASTM		SV	V846-7000E	3	Flame Atomic A	bsorption	1	0 µg/wipe	
*if no box checked, non-ASTM Wipe	П	SW8	46-6010B o	r C	ICP-OE	S	1.	.0 μg/wipe	
TCLP		SW846-13	11/7000B/S	M 3111B	Flame Atomic A	bsorption	0.4	mg/L (ppm)	
		SW846-131			ICP-OE	S	0.1	mg/L (ppm)	
SPLP		SW846-13					0.4 mg/L (ppm)		
		SW846-131			ICP-OE		0.1 mg/L (ppm)		
TTLC		22 CCR App	Npp. II, 7000			40 mg/kg (ppm) 2 mg/kg (ppm)			
07:0			pp. II, 7000	0B/7420 Flame Atomic Absorption		0.4 mg/L (ppm)		H	
STLC		22 CCR App.				0.1 mg/L (ppm)			
Soil		SV	V846-7000E	Flame Atomic Absorption			40 mg/kg (ppm)		
		SW8	46-6010B o	r C ICP-OES		2 mg/kg (ppm)			
Wastewater Unpreserved		SM3111	B/SW846-7	7000B Flame Atomic Absorption		0.4 mg/L (ppm)			
Preserved with HNO ₃ pH < 2		EPA 200.9		Graphite Furnace AA		0.003 mg/L (ppm)			
· · · · · · · · · · · · · · · · · · ·		EPA 200.7		ICP-OES		0.020 mg/L (ppm)			
Drinking Water Unpreserved	V	EPA 200.8		ICP-MS		0.001 mg/L (ppm)		V	
Preserved with HNO ₃ pH < 2			PA 200.9 PA 200.5		Graphite Furnace AA ICP-OES			3 mg/L (ppm)	
	_		CFR Part 5	n	ICP-OE			3 mg/L (ppm) 2 µg/filter	
TSP/SPM Filter			CFR Part 5		Graphite Furn			.6 µg/filter	H
Other:									
Name of Sampler:				Signa	ture of Sample	r: P	kes		
Sample #	Location	on		T G.g.	Volume/Ar	ea	120	Date/Time S	Sampled
LES-FB Field blank			250 ml				04/17/19	09:57	
LESF1 Room 101			1					09158	
Client Sample #s -				Tot	al # of Sa	mples	: 10		
Relinquished (Client):	Pikes	}	Date:	041	14/19	Time:		10:12	
Received (Lab):	arrod	UDINA	Date:	4/19	1/19	Time:		9AM	
Comments: A First draw sample F other flush sample Analizer				11/10		inne.		47.179	

Page 1 of 2 pages

PHN03 oldded 4/18/19 Ploam- JC *



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

1 1904 0 119 0449 1 TC 4/19/19 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
LESF2	Room 102	250 ml	04/17/19 09:59
LESF3	1st FI Hallway across faculty		10:01
LESS1	Nurse's office sink		10:03
LESS2	Kitchen sink		10:05
LESF4	Cafeteria		10:06
LESF5	1st Fl Hallway by Rm 7		10:09
LESF6	1st FI Hallway by Rm 7		10:09
LESF7	2nd Fl Hallway by bathrooms	A	10:11
Comments/Sp	secial Instructions:		•
Arritat draw sample F	after flush sample Analice after flush sample only it first draw is >15 ppb		

Page 2 of 2 pages

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

Name of School:	Long Memorial	Elementary	School	

Address: 260 Floral Ln., Saddle Brook, NJ 07663

Grade Levels: K-6

Individual School Project Officer Signature: Date: 04/16 /2019

Sample Location Description	Sample Location Code	Date	⁷ Time	Duration of Flushing	Reason for Flushing
Room 101	LESF1	4/16/19	9:00	15 min	Pre sampling
Room 102	LESF2		9:15	15 min	Pre sampling
1 st Fl Hallway across faculty	LESF3		9:30	15 min	Pre sampling
Nurse's office sink	LESS1		9:45	15 min	Pre sampling
Kitchen sink	LESS2		10:20	15 min	Pre sampling
Cafeteria	LESF4		10:15	15 min	Pre sampling
1st FI Hallway by Rm 7	LESF5		10:30	15 min	Pre sampling
1st FI Hallway by Rm 7	LESF6		10:45	15 min	Pre sampling
2 nd FI Hallway by bathrooms	LESF7	4/16/19	11,00	15 min	Pre sampling
			,		



200 Route 130 North, Cinnaminson, NJ 08077

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

Attn:

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

Phone: (973) 636-9145

(973) 636-9144 Fax:

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 4/18/2019. 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 #011904522. 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.

5/6/2019



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:

011904522

RAMA51

CustomerPO:

ProjectID:

(973) 636-9145

(973) 636-9144

04/18/19 9:00 AM

Attn: Polina Pikes **EnviroVision Consultants. Inc**

20-21 Wagaraw Rd Bldg 35E

Fair Lawn, NJ 07410

Project: 19-163 Saddle Brook BOE

Phone:

Received:

Fax:

Analytical Results FESS1 4/17/2019 Client Sample Description Collected: Lab ID: 011904522-0001 Nurse's Office 9:24:00 AM Prep Analysis RL Units Date Date Method Parameter Result Analyst Analyst **METALS** 1.26 1.00 µg/L 5/1/2019 VD 5/1/2019 VD 200.8 Lead Client Sample Description FESF1 Collected: 4/17/2019 Lab ID: 011904522-0002 Lunch Room 9:26:00 AM Prep Analysis RL Units Date Date Method Parameter Result Analyst Analyst **METALS** ND 1.00 µg/L 5/1/2019 VD 5/1/2019 VD 200.8 Lead FESF2 4/17/2019 Lab ID: 011904522-0003 Client Sample Description Collected: Lunch Room 9:27:00 AM Prep Analysis RL Units Method Parameter Result Date Analyst Date Analyst **METALS** ND 1.00 µg/L 5/1/2019 VD 5/1/2019 VD 200.8 Lead FESS2 4/17/2019 Client Sample Description Collected: Lab ID: 011904522-0004 Kitchen Sink 9:29:00 AM Prep Analysis Method Parameter Result RL Units Date Analyst Date Analyst **METALS** ND 1.00 µg/L 5/1/2019 VD 5/1/2019 VD 200.8 Lead FESS3 Collected: 4/17/2019 Client Sample Description Lab ID: 011904522-0005 Kitchen Sink 9:29:00 AM Prep Analysis RL Units Method Parameter Result Date Date Analyst Analyst **METALS** 5/1/2019 VD 1.13 5/1/2019 VD 200.8 1.00 µg/L Lead Client Sample Description FESF3 Collected: 4/17/2019 Lab ID: 011904522-0006 9:31:00 AM Hallway by Room 2 Prep Analysis Method Parameter Result RL Units Date Analyst Date Analyst



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:

011904522

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 (973) 636-9144

Fax: Received:

04/18/19 9:00 AM

Analytical Results

		Allalytical Ri	oo a.co				
Client Sample Descri	iption FESF3 Hallway by Room 2		Collected:	4/17/2019 9:31:00 AM	Lab ID:	01190452	2-0006
Method	Parameter	Result	RL Units	Prep Date	Analyst	Analysis Date	Analys
METALS							
200.8	Lead	ND	1.00 µg/L	5/1/20	19 VD	5/1/2019	VD
Client Sample Descri	iption FESF4 Hallway by Room 4		Collected:	4/17/2019 9:32:00 AM	Lab ID:	01190452	2-0007
Method	Parameter	Result	RL Units	Prep Date	Analyst	Analysis Date	Analyst
METALS							
200.8	Lead	ND	1.00 μg/L	. 5/1/20	19 VD	5/1/2019	VD
Client Sample Descri	i ption FESF5 Hallway by Gym		Collected:	4/17/2019 9:34:00 AM	Lab ID:	01190452	2-0008
Method	Parameter	Result	RL Units	Prep Date	Analyst	Analysis Date	Analyst
METALS							
200.8	Lead	ND	1.00 µg/L	. 5/1/20	19 VD	5/1/2019	VD
Client Sample Descri	ption FESF6 Room 11		Collected:	4/17/2019 9:36:00 AM	Lab ID:	01190452	2-0009
Method	Parameter	Result	RL Units	Prep Date	Analyst	Analysis Date	Analyst
METALS							
200.8	Lead	1.36	1.00 µg/L	. 5/1/20	19 VD	5/1/2019	VD
Client Sample Descri	ption FESF7 Room 12		Collected:	4/17/2019 9:38:00 AM	Lab ID:	01190452	2-0010
Method	Parameter	Result	RL Units	Prep Date	Analyst	Analysis Date	Analyst
METALS							
200.8	Lead	ND	1.00 µg/L	. 5/1/20	19 VD	5/1/2019	VD
Client Sample Descri	ption FESF9 Hallway by Room 6		Collected:	4/17/2019 9:41:00 AM	Lab ID:	01190452	2-0011
Method	Parameter	Result	RL Units	Prep Date	Analyst	Analysis Date	Analyst



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

http://www.EMSL.com

com EnvChemistry2@emsl.com

EMSL Order: CustomerID:

011904522

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: 04/18/19 9:00 AM

Analytical Results

		7 trialy trour t	toounto				
Client Sample L	Description FESF9 Hallway by Room 6		Collected:	4/17/2019 9:41:00 AM	Lab ID:	01190452	2-0011
Method	Parameter	Result	RL Units	Prep Date	Analyst	Analysis Date	Analyst
METALS							
200.8	Lead	3.03	1.00 µg/L	5/1/2019	VD.	5/1/2019	VD
Client Sample D	Description FES-FB Field Blank		Collected:	4/17/2019 9:24:00 AM	Lab ID:	01190452	2-0012
Method	Parameter	Result	RL Units	Prep Date	Analyst	Analysis Date	Analyst
METALS							
200.8	Lead	ND	1.00 µg/L	5/1/2019	VD	5/1/2019	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):

INIOL	. 01	uei	ID (Lab	use Uniy):	
0	119	04	522		

EMSL Analytical, Inc. 200 Route 130 North

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

Company : EnviroVision Cons	sultants, I	lnc.								Different		
Street: 20-21 Wagaraw Rd					Th					ization from I		
City:Fair Lawn	State/F	Province	· N.I	-				Jires Writtei		country: U		aπy
Report To (Name): Polina Pike		70711100	. 110		Zip/Postal Code: 07410							
		um not		-				70				
Email Address: psenvirovision			25	-		3-636-91				urchase C	rder	<u> </u>
Project Name/Number: 19-163	Saddle	Brook B	OE	-		rovide Re			√ En			
U.S. State Samples Taken: NJ									ole 🔲	Residentia	I/Tax	Exempt
			nd Time ($\overline{}$				-				
3 Hour 6 Hour		Hour	☐ 48 Hd			2 Hour		6 Hour		Week	_	2 Week
Matrix	is complete	d in accor	dance with E Metho		L's Terms a	Y					TA.	Charl
		_		_			strume		кер	orting Lir	nit	Check
Chips % by wt. mg/cm² pp	om (mg/kg)		SW846-70	00B	3	Flame A	tomic Ab	sorption		0.01%		
Air			NIOSH 70	_		Flame A				4 µg/filter		
		1110	NIOSH 71				ite Furna			03 µg/filte		
102:		NIO	SH 7300M/NI	_			CP-OES			.5 μg/filter		
Wipe* ASTM non ASTM	\exists		SW846-70	00B	3	Flame A	tomic Ab	sorption	1	0 μg/wipe		
*if no box checked, non-ASTM Wipe sesumed	no box checked, non-ASTM Wipe			Во	r C		CP-OES		1,	0 µg/wipe		
TCLP			6-1311/7000	_		Flame A				mg/L (ppn		
		SW846	-1311/SW84	6-60	010B or C		CP-OES			mg/L (ppn	_	
SPLP		SW846-1312/7000B/SM 3			Flame Atomic Absorption			mg/L (ppr				
		SW846-1312/SW846-6		_		ICP-OES		0.1 mg/L (ppm)				
TTLC			CR App. II, 7	_		Flame A				ng/kg (ppr		
			App. II, SW84	_		ICP-OES		2 mg/kg (ppm)				
STLC			CR App. II, 7	_		Flame Atomic Absorption ICP-OES		0.4 mg/L (ppm)		_		
6-11		22 CCR	App. II, SW84	_						mg/L (ppn	_	-#-
Soil			SW846-70	_		Flame A				ng/kg (ppr		
			SW846-6010				CP-OES			ng/kg (ppm		
Wastewater Unpreserved		SM	3111B/SW84 EPA 200	_	000B	Flame Atomic Absorption Graphite Furnace AA		0.4 mg/L (ppm) 0.003 mg/L (ppm)				
Preserved with HNO ₃ pH < 2			EPA 200	_		ICP-OES		0.020 mg/L (ppm)				
		\vdash	EPA 200	_		ICP-MS		0.001 mg/L (ppm)		Ø		
Drinking Water Unpreserved	☑		EPA 200				te Furna	ce AA		3 mg/L (pp		ä
Preserved with HNO ₃ pH < 2			EPA 200	_		ICP-OES		0.003 mg/L (ppm)				
TSP/SPM Filter			40 CFR Pa	rt 50)	ı	CP-OES			2 µg/filter		
13P/SPM Filter			40 CFR Par	rt 50)	Graphi	te Furna	ce AA		6 µg/filter		
Other:												
Name of Sampler:					Signa	ture of S	ample	r: 7	Ekes	_		
Sample #	Location	on		T			ne/Are				me S	ampled
FESS1 Nurse's office	е				250 ml					04/17/		09:24
FESF1 Lunch room					V							09:26
Client Sample #s	-			_			Tota	I # of Sa	mples	: 12	U	
Relinquished (Client):	Pekes		Date	:	04/1	7/19		Time:	•	09:		
Received (Lab):			Marte:		4/1	Tha		Time:		11	RA	un
Comments:		Never		- Total		111-1			The	MAC	41	inlin
M-First draw sample F-after flush cample Analis	co alter flush so	ample only if i	irst draw is >16 p	then-y			Sh		VM	rod Coom	7/	19/10
				_		-/	1/ 4		(0	run	4	1417
Controlled Oncument — COC 25 Legit (IDN) — (#R — II	19/2017		D 4 1	2		/	"HI	NO3 ac	ided 4	7/18/19	4	770

Page 1 of ___ pages /

0 10AM- JC *



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

	CREEK ID (Lab Use Only).	
()	11904522	
	71101	

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

	Location	Volume/Area	Date/Time Sampled
FESF2	Lunch room	250 ml	04/17/19 09:27
FESS2	Kitchen sink		09:29
FESS3	Kitchen sink		09:20
FESF3	Hallway by Rm 2		09:31
FESF4	Hallway by Rm 4		09:33
FESF5	Hallway by Gym		09:34
ESF6	Room 11		09:34
ESF7	Room 12		09:38
ESF9	Hallway by Rm 6		09:41
FES-FB	field blank		09:24
		,	
omments/Sp	ecial instructions:		4

Page 2 of 2 pages

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

N	Name of School:	<u>Franklin</u>	Elementary	School	

Address: 95 Caldwell Avenue, Saddle Brook, NJ 07663

Grade Levels: K - 6

Individual School Project Officer Signature:

Date: 04/16 /2019

Sample Location Description	Sample Location Code	Date	Time	Duration of Flushing	Reason for Flushing
✓ Nurse's office	FESS1	4/16/19	9:00	15 min	Pre sampling
Lunch room	FESF1		9:15	15 min	Pre sampling
Lunch room	FESF2		9:30	15 min	Pre sampling
/ Kitchen sink	FESS2		9:45	15 min	Pre sampling
Kitchen sink	FESS3		10:00	15 min	Pre sampling
∕Hallway by Rm 2	FESF3		1045	15 min	Pre sampling
 Hallway by Rm 4 	FESF4		10:30	15 min	Pre sampling
- Hallway by Gym	FESF5		10:45	15 min	Pre sampling
Room 11	FESF6		11:00	15 min	Pre sampling
Room 12	FESF7		11:15	15 min	Pre sampling
✓ Hallway by Rm 6	FESF9	4/16/19	11:30	15 min	Pre sampling



200 Route 130 North, Cinnaminson, NJ 08077

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

Polina Pikes

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 4/18/2019. 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 #011904523. 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.

5/6/2019



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:

011904523

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: 04/18/19 9:00 AM

Analytical Results

		Analytical Re	esults				
Client Sample Description	n SBHSF1 Hallway by Room 110		Collected:	4/17/2019 8:19:00 AM	Lab ID:	011904523	3-0001
Method	Parameter	Result	RL Units	Prep Date	Analyst	Analysis Date	Analyst
METALS							
200.8	Lead	ND	1.00 µg/L	5/1/20	19 VD	5/1/2019	VD
Client Sample Description	n SBHSF2 Hallway by Room 110		Collected:	4/17/2019 8:20:00 AM	Lab ID:	011904523	3-0002
Method	Parameter	Result	RL Units	Prep Date	Analyst	Analysis Date	Analyst
METALS							
200.8	Lead	ND	1.00 µg/L	5/1/20	19 VD	5/1/2019	VD
Client Sample Description	SBHSS6 Room 111 (Home Ec.)		Collected:	4/17/2019 8:22:00 AM	Lab ID:	011904523	3-0003
Method	Parameter	Result	RL Units	Prep Date	Analyst	Analysis Date	Analyst
METALS							
200.8	Lead	5.16	1.00 µg/L	. 5/1/20	19 VD	5/2/2019	VD
Client Sample Description	SBHSS7 Room 111 (Home Ec.)		Collected:	4/17/2019 8:23:00 AM	Lab ID:	011904523	1-0004
Method	Parameter	Result	RL Units	Prep Date	Analyst	Analysis Date	Analyst
METALS							
200.8	Lead	ND	1.00 µg/L	. 5/1/20	19 VD	5/1/2019	VD
Client Sample Description	SBHSF5 Cafeteria A		Collected:	4/17/2019 8:24:00 AM	Lab ID:	011904523	-0005
Method	Parameter	Result	RL Units	Prep Date	Analyst	Analysis Date	Analyst
METALS							
200.8	Lead	3.06	1.00 µg/L	5/1/20	19 VD	5/1/2019	VD
Client Sample Description	SBHSF6 Hallway by Cafeteria B		Collected:	4/17/2019 8:31:00 AM	Lab ID:	011904523	-0006
Method	Parameter	Result	RL Units	Prep Date	Analyst	Analysis Date	Analyst



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: CustomerPO:

ProjectID:

011904523

RAMA51

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:

04/18/19 9:00 AM

Ana	lytical	l Results	,
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		Analytical Re	esuits				
Client Sample Description	n SBHSF6 Hallway by Cafeteria B		Collected:	4/17/2019 8:31:00 AM	Lab ID:	011904523-	-0006
Method	Parameter	Result	RL Units	Prep Date		Analysis Date	Analyst
METALS							
200.8	Lead	3.39	1.00 µg/L	5/1/2	019 VD	5/1/2019	VD
Client Sample Description	n SBHSS1 Kitchen Sink		Collected:	4/17/2019 8:28:00 AM	Lab ID:	011904523-	0007
Method	Parameter	Result	RL Units	Prep Date		Analysis Date	Analyst
METALS							
200.8	Lead	8.99	1.00 µg/L	. 5/1/2	019 VD	5/2/2019	JW
Client Sample Description	n SBHSS3 Kitchen Sink		Collected:	4/17/2019 8:29:00 AM	Lab ID:	011904523-	8000
Method	Parameter	Result	RL Units	Prep Date		Analysis Date	Analyst
METALS							
200.8	Lead	35.6	1.00 µg/L	. 5/1/2	019 VD	5/1/2019	VD
Client Sample Description	SBHSS4 Kitchen Sink		Collected:	4/17/2019 8:29:00 AM	Lab ID:	011904523-	0009
Method	Parameter	Result	RL Units	Prep Date		Analysis Date	Analyst
METALS							
200.8	Lead	1.75	1.00 µg/L	. 5/1/2	019 VD	5/1/2019	VD
Client Sample Description	SBHSF7 Cafeteria B		Collected:	4/17/2019 8:33:00 AM	Lab ID:	011904523-	0010
Method	Parameter	Result	RL Units	Prep Date		Analysis Date	Analyst
METALS							
200.8	Lead	5.41	1.00 µg/L	. 5/1/2	019 VD	5/1/2019	VD
Client Sample Description	SBHSF8 Board of Ed. Office		Collected:	4/17/2019 8:35:00 AM	Lab ID:	011904523-	0011
Method	Parameter	Result	RL Units	Prep Date		Analysis Date	Analyst



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

011904523

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: 04/18/19 9:00 AM

Analytical Results

Client Sample Description SBHSF8 Collected: 4/17/2019 Lab ID: 011904523-0011 Board of Ed. Office 8:35:00 AM Prep Analysis Method Parameter Result RL Units Date Date Analyst Analyst **METALS** ND 1.00 µg/L 5/1/2019 5/1/2019 VD 200.8 Lead VD Client Sample Description SBHSS5 Collected: 4/17/2019 Lab ID: 011904523-0012 Nurse's Office Sink Prep Analysis Method Parameter Result RL Units Date Analyst Date Analyst **METALS** 6.92 5/1/2019 VD 5/1/2019 VD 200.8 1.00 µg/L Lead Client Sample Description SBHSF14 4/17/2019 Lab ID: Collected: 011904523-0013 Hallway By Nurse's Office 8:40:00 AM Prep Analysis Method Parameter Result RL Units Date Analyst Date Analyst **METALS** 200.8 Lead 1.37 1.00 µg/L 5/1/2019 5/1/2019 VD SBHSF16 4/17/2019 Lab ID: Client Sample Description Collected: 011904523-0014 8:42:00 AM Hallway by Room 221 Prep Analysis Method Parameter Result RL Units Date Analyst Date Analyst **METALS** 8.58 1,00 µg/L 5/1/2019 VD 5/1/2019 VD 200.8 Lead Client Sample Description SBHSF20 Collected: 4/17/2019 Lab ID: 011904523-0015 8:46:00 AM Hallway by Room 208 Prep Analysis Method Parameter Result RL Units Date Date Analyst Analyst **METALS** 200.8 Lead ND 1.00 µg/L 5/1/2019 VD 5/1/2019 VD Client Sample Description SBHSS8 Collected: 4/17/2019 Lab ID: 011904523-0016 Concession Stand Prep Analysis Method Parameter Result RL Units Date Analyst Date Analyst



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:

011904523

RAMA51

CustomerPO: ProjectID:

(973) 636-9145

(973) 636-9144

04/18/19 9:00 AM

Attn: Polina Pikes

EnviroVision Consultants, Inc 20-21 Wagaraw Rd

Bldg 35E

Fair Lawn, NJ 07410

Project: 19-163 Saddle Brook BOE

Analytical Results

Phone:

Received:

Fax:

			Analytical R	esuits				
Client Sample De	-	BHSS8 Concession Stand		Collected:	4/17/2019	Lab ID:	01190452	3-0016
Method	Para	nmeter	Result	RL Units	Prep Date	Analyst	Analysis Date	Analyst
METALS								
200.8	Lead		1.63	1.00 μg/L	5/1/20	19 VD	5/1/2019	VD
Client Sample De	•	BHS-FB ield Blank		Collected:	4/17/2019 8:49:00 AM	Lab ID:	01190452	3-0017
Method	Para	nmeter	Result	RL Units	Prep Date	Analyst	Analysis Date	Analyst
METALS								
200.8	Lead		ND	1.00 µg/L	5/1/20	19 VD	5/2/2019	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):

0(1904523

EMSL Analytical, Inc. 200 Route 130 North

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

Company : EnviroVision Consultants, Inc.				EMSL-Bill to: ☑ Same ☐ 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	Province: NJ		1			ountry: US				
Report To (Name): Polina Pike	es			Telephone #: 973-636-9145						
Email Address: psenvirovision	@optim	um.net		Fax #: 973-636-9144 Purchase			urchase Order			
Project Name/Number: 19-163	Saddle	Brook BOE		Please P	rovide Results:	Fax	√ Em	ail		
U.S. State Samples Taken: NJ				CT Samples: Commercial/Taxable Residential/Tax Ex					Exem	pt
	To	urnaround 1	ime (TA	The state of the s	s* - Please Che					-
☐ 3 Hour ☐ 6 Hour	-	The same of the sa] 48 Hour	A STATE OF THE PARTY OF THE PAR		Hour		Week 🔳	2 Wee	∍k
	is complete	· ·		L's Terms a	nd Conditions locate	d in the Pri				
Matrix			Viethod		Instrume	nt	Reporting Limit		Che	ck
Chips . % by wt mg/cm² . pp	om (mg/kg)	SW	/846-7000E	3	Flame Atomic Ab	sorption		0.01%		
Air			OSH 7082		Flame Atomic Ab	sorption		l µg/filter		
			OSH 7105		Graphite Furna	ce AA		03 µg/filter		
180			300M/NIOS		ICP-OES			5 µg/filter		_
Wipe* ASTM non ASTM		SW	/846-7000E	3	Flame Atomic Ab	sorption	11	0 µg/wipe]
*if no box checked, non-ASTM Wipe assumed		SW84	16-6010B o	r C	ICP-OES		1.	0 µg/wipe		1
TCLP		SW846-131	1/7000B/S	M 3111B	Flame Atomic Ab	sorption	0.4	mg/L (ppm)		
		SW846-131			ICP-OES			mg/L (ppm)		
SPLP		SW846-131			Flame Atomic Ab	sorption		mg/L (ppm)		
		SW846-1312			ICP-OES			mg/L (ppm)		-
TTLC		22 CCR App.	pp. II, 7000		Flame Atomic Abs	sorption		ng/kg (ppm)		_
			pp. II, 7000		Flame Atomic Abs	somtion		ig/kg (ppm) mg/L (ppm)		\vdash
STLC		22 CCR App.			ICP-OES	Sorption		mg/L (ppm)		
Soil			/846-7000E		Flame Atomic Ab	sorption		ng/kg (ppm)		_
		SW84	16-6010B o	r C	ICP-OES			g/kg (ppm)		
38444		SM3111	B/SW846-7	'000B	Flame Atomic Abs	sorption		mg/L (ppm)		
Wastewater Unpreserved Preserved with HNO ₃ pH < 2	B	E	PA 200.9		Graphite Furna	ce AA		mg/L (ppm)		
Preserved with HNO3 pH < 2		E	PA 200.7		ICP-OES		0.020	mg/L (ppm)		_
Drinking Water Unpreserved			PA 200.8		ICP-MS			1 mg/L (ppm)	/	
Preserved with HNO ₃ pH < 2			PA 200.9		Graphite Furna	ce AA		3 mg/L (ppm)		-
			PA 200.5	0	ICP-OES	\rightarrow		3 mg/L (ppm)	-#	\vdash
TSP/SPM Filter			CFR Part 50 CFR Part 50		Graphite Furna	~ ^^		2 µg/filter 6 µg/filter		
Other:		10.	or it i ait of		Grapinte i diriat	-		Орулпсі	一片	\vdash
Name of Sampler:				Signa	ture of Sample	\mathcal{D}	hes			\neg
Sample #	Locati	on		Joigila	Volume/Are	. <i>10</i>	nu	Date/Time S	ample	ed
SBHSF1 Hallway by F				250 ml		<u>-</u>		04/17/19	08	- 20
SBHSF2 Hallway by F	Room 1	10		V					08:	
Client Sample #s	•				Tota	I # of Sai	mples	: 17	- 0 - 6	_
Relinquished (Client):	Pekes		Date:	04/13	7/19	Time:	•	08:58		
	-	.mar.t		2/11	3/19					
Received (Lab):	Arrod Co	wwy	Date:	17/17	7/11	Time:		9AM		
A First draw sample F after flush sample Analiz	e after nusm s	ample only if first dra	w-16 ppo	_						

3



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

0119 04523

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
SBHSS6	Room 111 (Home ec.)	250 ml	04/17/19 08:22
SBHSS7	Room 111 (Home ec.)	1	08: 23
SBHSF5	Cafeteria A		08:2
SBHSF6	Hallway by Cafeteria B		08:3
SBHSS1	Kitchen sink		0.8: 38
SBHSS3	Kitchen sink		08; 25
SBHSS4	Kitchen sink		D8:20
SBHSF7	Cafeteria B		03:33
SBHSF8	Board of Ed. office		08:35
SBHSF13	-Weight room hallway		-
SBHSS5	Nurse's office sink		08:40
SBHSF14	Hallway by Nurse's of.		08:42
SBHSF16	Hallway by room 221		08:44
SBHSF19	Hallway by reem 216		_
SBHSF20	Hallway by room 208		08:49
SBHSS8	Concession stand	/	08:53
SBHS-FB	Field blank		08:17
	ecial Instructions: offer-flush sample Analize after flush sample only if firet draw is \$15 ppb		

	9		2	
Page	حد	of	~	pages

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

Name of School: Saddle Brook High School / Middle School

Address: 355 Mayhill street, Saddle Brook, NJ 07663

Grade Levels: 7 - 12

Individual School Project Officer Signature:

Date: 04/16/2019

Sample Location Description	Sample Location Code	Date	Time	Duration of Flushing	Reason for Flushing
Hallway by Room 110	SBHSF1	4/16/19	9:00	15 min	Pre sampling
Hallway by Room 110	SBHSF2	11111	9115	15 min	Pre sampling
Room 111 (Home ec.)	SBHSS6		9:30	15 min	Pre sampling
Room 111 (Home ec.)	SBHSS7		9:45	15 min	Pre sampling
Cafeteria A	SBHSF5		10:00	15 min	Pre sampling
Hallway by Cafeteria B	SBHSF6		10:15	15 min	Pre sampling
Kitchen sink	SBHSS1		10:30	15 min	Pre sampling
Kitchen sink	SBHSS3		10:45	15 min	Pre sampling
Kitchen sink	SBHSS4		11:00	15 min	Pre sampling
Cafeteria B	SBHSF7		11:15	15 min	Pre sampling
Board of Ed. office	SBHSF8		11:30	15 min	Pre sampling
Weight room hallway	CRHCE13		Myc	15 min	Pre sampling
Nurse's office sink	SBHSS5		12:00	15 min	Pre sampling
Hallway by Nurse's of.	SBHSF14		12:15	15 min	Pre sampling
Hallway by room 221	SBHSF16		12:30	15 min	Pre sampling
Hallway by room 216	SBHSF19	1	27:45	15 min	Pre sampling
Hallway by room 208	SBHSF20		1:00	15 min	Pre sampling
Concession stand	SBHSS8	4/16/19	1:115	15 min	Pre sampling