



Environmental  
& Remediation &  
Management, Inc.

20-10 Maple Ave, Bldg. 35E  
Fair Lawn, NJ 07410  
Tele: (973) 949-3525  
Fax: (973) 949-3526  
Email: ermnj@aol.com

CLIENT: Demarest Board of Education Pr. No.: 1020-199

PROJECT: Demarest Middle School Lead (Pb) in water sampling

FIELD TECHNICIANS: Polina Pikes

REPORT DATE: May 6, 2019

Environmental Remediation & Management, Inc. was contacted by The Demarest Board of Education to conduct Lead (Pb) in water sampling of new water fountains installed in Demarest Middle School.

Polina Pikes, an environmental field technicians with ER&M, arrived at the project site early in the morning on April 16, 2019 prior to School's employees and occupants arrival and proceeded to collect water samples from designated drinking fountains and sinks. Sampling was performed using the guidelines of New Jersey State Department of Education Amendments and New Rules to N. J. A. C. 6A:26, Educational Facilities Lead (Pb) in Drinking Water Immediate Testing issued on July 13, 2016.

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 Demarest Middle School 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 / ER&M looks forward to providing your home with the service and attention to detail you have come to expect from us.

Sincerely,

Frederick Larson

EnviroVision Consultants, Inc.

Environmental Remediation & Management, Inc.



**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Phone: (856) 303-2500 Fax: (856) 358-4571 Email: EnvChemistry2@emsl.com

Attn: **Polina Pikes**  
**Environmental Remediation & Management**  
**20-10 Maple Ave**  
**Building 35E**  
**Fair Lawn, NJ 07410**  
Phone: (973) 949-3525  
Fax: (973) 949-3526

5/2/2019

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:

**1020 - 199 Demarest Middle S.**

The reference number for these samples is EMSL Order #011904450. Please use this reference when calling about these samples. If you have any questions, please do not hesitate to contact me at (856) 303-2500.

Approved By:

Phillip Worby, Environmental Chemistry  
Laboratory Director



The test results contained within this report meet the requirements of NELAP and/or the specific certification program that is applicable, unless otherwise noted.  
NELAP Certifications: NJ 03036, NY 10872, PA 68-00367, CA ELAP 1877

The samples associated with this report were received in good condition unless otherwise noted. This report relates only to those items tested as received by the laboratory. The QC data associated with the sample results meet the recovery and precision requirements established by the NELAP, unless specifically indicated. All results for soil samples are reported on a dry weight basis, unless otherwise noted. This report may not be reproduced except in full and without written approval by EMSL Analytical, Inc.

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077  
 Phone/Fax: (856) 303-2500 / (856) 858-4571  
<http://www.EMSL.com> [EnvChemistry2@emsl.com](mailto:EnvChemistry2@emsl.com)

EMSL Order: 011904450  
 CustomerID: ENVI76  
 CustomerPO:  
 ProjectID:

Attn: **Polina Pikes** Phone: (973) 949-3525  
**Environmental Remediation & Management** Fax: (973) 949-3526  
**20-10 Maple Ave** Received: 04/18/19 9:00 AM  
**Building 35E**  
**Fair Lawn, NJ 07410**  
 Project: 1020 - 199 Demarest Middle S.

**Analytical Results**

<b>Client Sample Description</b> DMS-FB Field Blank		<b>Collected:</b> 4/16/2019 7:58:00 AM	<b>Lab ID:</b> 011904450-0001				
<b>Method</b>	<b>Parameter</b>	<b>Result</b>	<b>RL Units</b>	<b>Prep Date</b>	<b>Analyst</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>METALS</b>							
200.8	Lead	ND	1.00 µg/L	4/27/2019	KB	4/27/2019	KB

<b>Client Sample Description</b> DMS-05-F 6th Grade Hallway		<b>Collected:</b> 4/16/2019 8:14:00 AM	<b>Lab ID:</b> 011904450-0003				
<b>Method</b>	<b>Parameter</b>	<b>Result</b>	<b>RL Units</b>	<b>Prep Date</b>	<b>Analyst</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>METALS</b>							
200.8	Lead	ND	1.00 µg/L	4/27/2019	KB	4/27/2019	KB

<b>Client Sample Description</b> DMS-04-F 7th Grade Hallway by Room 112		<b>Collected:</b> 4/16/2019 8:21:00 AM	<b>Lab ID:</b> 011904450-0005				
<b>Method</b>	<b>Parameter</b>	<b>Result</b>	<b>RL Units</b>	<b>Prep Date</b>	<b>Analyst</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>METALS</b>							
200.8	Lead	3.44	1.00 µg/L	4/27/2019	KB	4/27/2019	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



EMSL ANALYTICAL, INC.  
LABORATORY PRODUCTS TRAINING  
LABORATORY PRODUCTS TRAINING

# Lead (Pb) Chain of Custody

EMSL Order ID (Lab Use Only):

011904450

EMSL Analytical, Inc.  
200 Route 130 North

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

Company: ER&M, Inc.		EMSL-Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different If Bill to is Different note instructions in Comments**	
Street: 20-10 Maple Ave		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: 1020-199 Demarest Middle S		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**

3 Hour  
  6 Hour  
  24 Hour  
  48 Hour  
  72 Hour  
  96 Hour  
  1 Week  
  2 Week

\*Analysis completed in accordance with EMSL's Terms and Conditions located in the Price Guide

Matrix	Method	Instrument	Reporting Limit	Check
Chlps <input type="checkbox"/> % by wt. <input type="checkbox"/> mg/cm <sup>2</sup> <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* <input type="checkbox"/> ASTM <input type="checkbox"/> non ASTM *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 <sub>3</sub> 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 <sub>3</sub> pH < 2 <input 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
1 DMS-FB	Field blank	250 ml	04/16/2019 04:58
2 DMS-05A	6 <sup>th</sup> grade hallway	250 ml	04/16/2019 04:59

Client Sample #s: \_\_\_\_\_ Total # of Samples: \_\_\_\_\_

Relinquished (Client): Pikes      Date: 04/16/2019      Time: 09:00 a.m

Received (Lab): Chadwick (MD)      Date: 4/17/19      Time: 1:18 PM

Comments: Spoke with Polina - add her as contact for this client. cover 4/17/19

HN03 added 4/18/19      10am 4/18/19      720

Page 1 of 2 pages      SW846-7000B 4/18/19 9AM

© 9:30 AM - JC





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DAILY FIELD OBSERVATIONS

CLIENT	Demarest BOE		
PROJECT	Demarest Middle School		
TECHNICIAN	Polina Pikes	CONTRACTOR	
DATE	04/16/2019	PROJECT NO.	

TIME	OBSERVATIONS
07:55	I, Polina Pikes from ER&M arrive on site and meet Resat. He shows me new fountains that need to be sampled.
07:59	DMS-05-A - ELKAY <del>chiller</del> fountain with chiller ENLZS8WS-1F With filter. Has sensor for bottles, No built up or corrosion - 6 <sup>th</sup> grade hallway. No odor or discoloration.
08:06	DMS-04-A - ELKA fountain with chiller EZFS8-1H 4 <sup>th</sup> Grade Hallway by room 112. Has no filter. No corrosion, no built up, no odor or discoloration.
08:14	DMS-05 F - 6 <sup>th</sup> Grade Hallway after flush sample. No odor or discoloration
08:21	DMS-04-F - 4 <sup>th</sup> Grade Hallway by room 112 after flush sample. No odor or discoloration

Technician's Signature: Polina Pikes PAGE 1 of 1