

March 4, 2021

Mr. Michael Shore Director of Facilities III Mahopac Central School District 179 East Lake Boulevard Mahopac, NY 10541

#### Subject: Lead Testing of School Drinking Water at Fulmar Road Elementary School Project Number: 31402629.011

Dear Mr. Shore:

At your request on behalf of the Mahopac Central School District (CSD), WSP USA Inc. (WSP) has conducted a testing program for lead in water. WSP's team of industrial hygienists performed water sampling on October 9, 2020 and Post Remediation Sampling on December 2, 2020 and January 15, 2021. In addition to this final report, WSP has provided the following New York State Department of Health (NYS DOH) required documentation; Laboratory Results, Exceedance Table, a draft Parents Notification Letter and notification to the local department of health of exceedances, when applicable. When requested by the district, WSP completed required reporting into the NYS Health Electronic Response Data System (HERDS). However, Mahopac Central School District (CSD) retained the Reporter role and completed the HERDS reporting.

### BACKGROUND

On September 6, 2016, the Governor signed legislation requiring all school districts in NYS to test potable water systems for lead contamination and to take responsive actions. To implement this new law, the DOH issued emergency regulations, titled Lead Testing in School Drinking Water. On May 9, 2018, the Lead Testing in School Drinking Water final regulation was published in the State Register, replacing the emergency regulation:

- By September 30, 2016, all school buildings serving children in pre-K through grade 5 were required collect a sample from each outlet for testing.
- By October 31, 2016, all school buildings serving children in grades 6 through 12 must collect a sample from each outlet for testing.
- Schools must complete initial first-draw sampling for Compliance Year 2020 between January 1, 2020 December 31, 2020, and every 5 years thereafter or at an earlier time as determined by the Commissioner of Health. On October 13, 2020, NYS DOH provided an Extension of School Lead Testing Requirements to June 30, 2021.

#### **KEY DEFINITIONS IN THE LAW/REGULATIONS**

- Outlet means a potable water fixture currently or potentially used for drinking or cooking purposes, including but not limited to a bubbler, drinking fountain, hose bib, sinks or faucets.
- "Applicable" outlets: Outlets that should be sampled may be located anywhere on school property including external outlets (hose bibs) if the outlet may be used for drinking or cooking (including food preparation). Superintendents or their designees have the responsibility to identify which outlets on a school property meet the regulation requirements for sampling ("applicable outlets"). If a Superintendent or their designee determines that they have outlets that fall outside of the scope of

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the regulation (outlets not used or potentially used for drinking or cooking), the school must remediate or/and have a remedial action plan that includes details on how those outlets will not be accessed and/or utilized for drinking or cooking purposes ("non-applicable outlets").

- "Non-applicable" outlets: The Rule of Thumb is that generally, any outlet in a room or office within a school that is not used by students (pre-kindergarten through grade 12) and does not provide water for drinking or cooking does not require sampling.
- Action level means 15 parts per billion (ppb). Lead test results greater than 15 ppb exceeds the lead action level and requires the outlet to be taken out of service and a remediation action plan be implemented.
- For additional guidance regarding applicable vs. non-applicable outlets, and other requirements please see the Appendices for NYS DOH Lead Testing in School Drinking Water 2020 Compliance Requirements, and NYS DOH Frequently Asked Questions (FAQs).

## SAMPLING METHODOLOGY

- 1 The NYS DOH Emergency Regulation, Section 67-4.3 Monitoring states:
  - First-draw samples shall be collected from all "applicable" outlets. A first-draw sample volume shall be 250 milliliters (mL), collected from a cold-water outlet before any water is used. The water shall be motionless in the pipes for a minimum of 8 hours, but no more than 18 hours, before sample collection. Note: The NYS DOH requires that for outlets which do not have regular use and water remains motionless in the pipes for greater than 18 hours, the outlets were to be sampled as well (to represent "normal use patterns").
  - All first-draw samples shall be analyzed by a laboratory approved to perform such analyses by the Department's Environmental Laboratory Approval Program (ELAP).

Although not required by the NYS DOH Emergency Regulation, WSP also followed additional methodologies included in Environmental Protection Agency (EPA) document entitled "3Ts for Reducing Lead in Drinking Water in Schools".

- 2 Sampling Plan
  - In developing a sampling plan before sample collection took place at the School, WSP determined the location of the water service line. Sampling at the School started from a location closest to the service line entrance and proceeded outwards from that point.
  - A map, depicting the location of the service line entrance, and arrows indicating the direction of sampling was provided to and used by the sampling team. The sampling team verified the location of the service line entrance prior to sampling.
- 3 Laboratory Analysis : Samples were submitted to York Analytical (Stratford, CT) and/or EMSL (Cinnaminson, NJ) for analysis under chain-of-custody. The laboratories are certified through the NYS DOH Environmental Laboratory Approval Program (ELAP) and are approved for analysis of lead in potable water.
- 4 Re-sampling can be performed provided corrective action or remediation options, as reviewed in the Recommendation section, are complete. Proper flushing of new equipment (e.g. pipes, faucets etc.) is recommended.
- 5 Flushing Program and Resampling: when routine flushing programs are implemented, the school plumbing system should be flushed according to an establish protocol. After flushing and before sampling or resampling, a period of 3-4 days of normal use is recommended. First-draw lead water sampling can be performed after the required hold time of 8-18 hours is completed.
- 6 In accordance with the NYS DOH, the following post-remediation testing requirements apply:
  - Follow-up samples collected after an outlet has been remediated must also be "first-draw" samples. Schools may choose to
    perform additional sampling (i.e., 30-second flush, etc.) to determine the contribution of lead from plumbing to guide
    remediation decisions.
  - Only those outlets that exceed the action level need to be resampled (following remediation).
  - All remediated outlets will likely require flushing before being placed back into service.
  - Post-remediation tests results need to be reported in the Department's HERDS application on HCS, and on the school website within the same reporting timeframes/requirements as specified for the initial sampling.



## **RESULTS DISCUSSION**

The Assessment Results Exceedance Table provides details on the date of sampling, sample identification, location and laboratory results that exceeded 15 ppb. A copy of the full laboratory results and the chain of custody are presented at the end of this report in Appendix A. Laboratory approvals can be found in Appendix B.

Of the 56 samples collected at Fulmar Road Elementary School, 6 (10.7%) had lead concentrations that exceeded 15 ppb. The table below details the sample locations and the laboratory results.

	Fulmar Road Elementary School									
Sample Date	e Sample ID Floor Location									
10/9/20	02-225-CF-P-01	1 <sup>st</sup>	Class 225, Sink 1	29.1						
10/9/20	02-Art-CF-P-08	1 <sup>st</sup>	Art Room, Classroom, Sink 8	508.0						
10/9/20	02-Art-CF-P-10	1 <sup>st</sup>	Art Room, Classroom, Sink 10	15.5						
10/9/20	02-Art-CF-P-11	1 <sup>st</sup>	Art Room, Classroom, Sink 11	15.9						
10/9/20	002-210-CF-P-17	1 <sup>st</sup>	Class 210, Class- Sink 17	38.8						
10/9/20	002-211-CF-P-18	1 <sup>st</sup>	Class 211, Class- Sink 18	29.7						

Upon receipt of the results, WSP made the following recommendations to the district as required by Subpart 67-4 of Title 10 (Health) of the Official Compilation of Codes, Rules and Regulations of the State of New York:

Review the Exceedance Table, Laboratory Results and Notification Letter, indicating lead water sample results exceeding the NYSDOH Action Level of 15 ppb, and require the outlet to be taken out of service and a remediation action plan be implemented. Please see Lead Testing in School Drinking Water, 10 NYCRR Subpart 67-4, adopted May 9, 2018 for applicable requirements (https://www.health.ny.gov/environmental/water/drinking/lead/lead\_testing\_of\_school\_drinking\_water.htm)

## POST-REMEDIATION TESTING RESULTS

The district performed remediation actions which included implementing a systematic flushing program for the outlets which exceeded the Action Level of 15 ppb. Post-remediation testing was performed on December 2, 2020.

Of the 6 samples collected on December 2, 2020 at Fulmar Road Elementary School, 2 (33.3%) had lead concentrations that exceeded 15 ppb. The water samples were collected several days after a building water system flush was performed. The post remediation results shown below were above the NYS DOH Action Level of 15 ppb.

	Fulmar Road Elementary School –1 <sup>st</sup> Round Post Remediation Sampling									
Sample Date	Sample ID	Floor	Location	Lead Level (ppb)	Initial Lead Level (ppb) 10/09/2020					
12/2/2020	02-225-CF-SSP-01	1	Class 225, Sink 1	429	29.1					
12/2/2020	02-Art-CF-SSP-08	1	Art Room, Classroom, Sink 8	16.6	508					

 Based on these results, WSP returned and performed a second round of post-remediation sampling on January 15, 2021 several days after remediation actions were performed which consisted of the implementation of a system wide flushing protocol and individual outlet flush. The post remediation laboratory results were below the NYS DOH Action Level of 15 ppb.



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## RECOMMENDATIONS

If lead concentrations exceeded 15 ppb, WSP offers the following recommendations to Scarsdale Union Free School District for remediation:

#### In accordance with Subpart 67-4, Section 67-4.4 Response, the following immediate Response Actions are necessary:

- Prohibit the use of the outlet immediately (take outlet out of service or turn off) until:
  - 1. A lead remedial action plan is implemented to mitigate the lead level at the outlet, and
  - 2. Post-remediation test results indicate that the lead levels are at or below the action level;
- Provide building occupants with an adequate supply of water for drinking and cooking until remediation is performed;
- Report the test results to the local health department as soon as practicable, but no more than 1 business day after the school received the laboratory report (Notification issued by WSP);
- Notify all staff and all persons in parental relation to students of the test results, in writing, as soon as practicable but no more than 10 business days after the school received the laboratory report (See Attached Draft Letter for issuance by District).

#### If an outlet tested above the "action level", it can still be used for cleaning and handwashing. However, please note:

- Signage must be placed at such outlets stating that the water should not be used for drinking (only handwashing and cleaning).
- Pictures should be used if there are small children using the water outlets, and staff should ensure the children understand what the signs mean and monitor the outlets to ensure they are not used for drinking.

#### **Corrective Actions / Remediation Options**

- Permanent removal of an outlet
- Outlet replacement with "lead-free" plumbing materials
- Pipe replacement with "lead-free" plumbing materials
- Remove other sources of lead (lead pipe, lead solder joints, and brass plumbing components with "lead-free" materials)
- Flushing (systematic flushing program)
- Point of Use (POU) Filters\*
- Supervision
- Engineering controls
- Education
- Signage. Signage used at outlets are considered to be a temporary measure and cannot be used as a permanent measure.

#### Non-applicable Outlets

- Tempered Outlets. These outlets should be clearly posted with signs ("Do Not Drink" or equivalent), provide awareness education to students and staff and implement appropriate remedial actions to prevent drinking from these outlets.
- Science/Art sinks: as noted by NYSDOL, typically these classroom settings prohibit eating and/or drinking. The school Superintendent has the authority to determine whether these outlets may be used for drinking or cooking or whether they require sampling. Management controls such as restricted/secured access (e.g. locked doors), signage, required supervision and other management controls are part of the overall safety and health program elements that should be in place.

## LIMITATIONS, EXCEPTIONS AND ASSUMPTIONS

Opinions and recommendations presented in this report apply to site conditions and features as they existed at the time of WSP's site visits, and those reasonably foreseeable. They cannot necessarily apply to conditions and features of which WSP is unaware and has not had the opportunity to evaluate. The conclusions presented in this report are professional opinions based solely upon WSP's visual observations of accessible areas and sampling data. These conclusions are intended exclusively for the purpose state herein, at the sites indicated, and for the project indicated. No expressed or implied representation or warranty is included or intended in our reports, except that our services were performed, within the limits prescribed by our client, with the customary thoroughness and competence of our profession.



If you have any questions concerning this information, please feel free to contact us at 212-612-7900. We look forward to working with you in the future.

Report Completed by:

Stephen Gruber

Stephen Gruber Industrial Hygienist

Report Completed by:

Joseph Kapp

Joseph Kapp, CIH Industrial Hygiene Manager

Appendix A – Laboratory Results & Chain of Custody Appendix B - Laboratory ELAP Certifications Appendix C - NYS DOH Lead Testing in School Drinking Water 2020 Compliance Requirements, and NYS DOH Frequently Asked Questions (FAQs)

CC : P. Saha, C. Napolitano



## **APPENDIX A**

Laboratory Results & Chain of Custody



Joseph Kapp WSP USA Solutions Inc 96 Morton Street 8th floor New York, NY 10014

Phone: (212) 612-7900 Fax:

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 10/12/2020. The results are tabulated on the attached data pages for the following client designated project:

## 31402629.011.02; Mahopac School District (Fulmer Road Elementary School)

The reference number for these samples is EMSL Order #012011251. 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:

-U.Uh

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.

10/16/2020

EMSL 200 Pho	WSL Analytical, Inc.           P Route 130 North, Cinnaminson, NJ 08077           one/Fax:         (856) 303-2500 / (856) 858-457'           o://www.EMSL.com         EnvChe				EMSL Or Custome Custome ProjectID	rID: rPO:	012011251 LBAP78 20PO01063	0
Attn: Joseph Kapp WSP USA So 96 Morton St 8th floor New York, N Project: 31402629.011.0	lutions Inc reet		Fax: Received:	(212) 612-7900 10/12/2020 09:				
		Analytical	Results					
Client Sample Descriptio	n 02-Mens-BF-P-01 1st FI- Mens locker rm- 2009- Bat	hroom -1	Collected:	10/9/2020 4:08:00 AM	Lab	ID:	012011251-0	001
Method	Parameter	Result	RL Un	its	Prep Date & Ana	alyst	Analysis Date & Ana	
METALS								
200.8	Lead	8.07	1.00 µg/	L ŕ	10/14/2020	KB	10/14/2020 14:56	KB
Client Sample Descriptio	n 02-2012-KF-P-01 1st Fl- Kitchen- Hand wash- Sink	1	Collected:	10/9/2020 4:10:00 AM	Lab	ID:	012011251-0	002
Method	Parameter	Result	RL Un	its	Prep Date & Ana	alyst	Analysis Date & Ana	
METALS								
200.8	Lead	6.28	1.00 µg/	L <sup>,</sup>	10/14/2020	KB	10/14/2020 15:00	KB
Client Sample Descriptio	n 02-2012-KF-P-02 1st Fl- Kitchen- Food prep- Sink 2		Collected:	10/9/2020 4:12:00 AM	Lab	ID:	012011251-0	003
Method	Parameter	Result	RL Un	its	Prep Date & Ana	alyst	Analysis Date & Ana	
METALS								
200.8	Lead	4.13	1.00 µg/	Ĺ	10/14/2020	KB	10/14/2020	KB

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Client Sample Description	n 02-225-CF-P-01 1st Fl- Class 225 S	ink 1	Collected:	10/9/2020 4:14:00 AM		ID:	012011251-00	)04
Method	Parameter	Result	RL Units	S	Prep Date & Ana	alyst	Analysis Date & Ana	
METALS								
200.8	Lead	29.1	1.00 µg/L		10/14/2020	KB	10/14/2020 15:02	KB
Client Sample Description	•	n and bathroom Sink	Collected:	10/9/2020 4:16:00 AM		ID:	012011251-00	)05
Method	Parameter	Result	RL Units	S	Prep Date & Ana	alyst	Analysis Date & Ana	
METALS								
200.8	Lead	3.57	1.00 µg/L		10/14/2020	KB	10/14/2020 15:04	KB

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Client Sample Desc	•	<b>y</b>	Collected:	10/9/2020 4:17:00 AM	Lab	ID:	012011251-00	006
Method	Parameter	Result	RL Uni	ts	Prep Date & Ana	lyst	Analysis Date & Ana	
METALS								
200.8	Lead	4.53	1.00 µg/L		10/14/2020	KB	10/14/2020 15:05	KB

Method	Parameter	Result	RL Units		Date & Ana	lyst	Date & Ana	
METALS								
200.8	Lead	4.53	1.00 µg/L	10	0/14/2020	KB	10/14/2020 15:05	KB
Client Sample Descriptic	02-Nurse-BF-P-04 1st Fl- Nurse- Bathroom- Sink 4		Collected:	10/9/2020 4:19:00 AM	Lab I	ID:	012011251-00	007
Method	Parameter	Result	RL Units		Prep Date & Ana	lyst	Analysis Date & Ana	
METALS								
200.8	Lead	7.63	1.00 μg/L	1(	0/14/2020	KB	10/14/2020 15:06	KB
Client Sample Descriptio	02-Nurse-NS-P-01 1st Fl- Nurse- Office- Sink 1		Collected: 4	10/9/2020 4:20:00 AM	Lab I	ID:	012011251-00	008
Method	Parameter	Result	RL Units		Prep Date & Ana	lyst	Analysis Date & Ana	
METALS								
200.8	Lead	2.94	1.00 µg/L	1(	0/14/2020	KB	10/14/2020 15:07	KB
Client Sample Descriptic	02-Womens-BF-P-05 1st FI- L-4 Womens- Bathroom-	Sink 5	Collected: 4	10/9/2020 4:21:00 AM	Lab I	ID:	012011251-00	009
Method	Parameter	Result	RL Units		Prep Date & Ana	lyst	Analysis Date & Ana	
METALS								
200.8	Lead	6.25	1.00 μg/L	1(	0/14/2020	KB	10/14/2020 15:11	KB
Client Sample Descriptic	on 02-Mens-BF-P-06 1st FI- L-5 Mens- Bathroom- Sin	ık 6	Collected:	10/9/2020 4:23:00 AM	Lab I	ID:	012011251-00	010
Method	Parameter	Result	RL Units		Prep Date & Ana	lyst	Analysis Date & Ana	
METALS								
200.8	Lead	9.53	1.00 μg/L	1(	0/14/2020	KB	10/14/2020 15:13	KB

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Client Sample Description	02-201-CF-P-02 1st Fl- Class 201 Sink 2		Collected:	10/9/2020 4:24:00 AM	Lab	ID:	012011251-00	011
Method	Parameter	Result	RL Unit	s	Prep Date & Ana	alyst	Analysis Date & Ana	
METALS								
200.8	Lead	5.51	1.00 µg/L		10/14/2020	KB	10/14/2020 15:14	KB
Client Sample Description	<ul> <li>02-202-CF-P-03</li> <li>1st Fl- Class 202 Sink 3</li> </ul>		Collected:	10/9/2020 4:26:00 AM	Lab	ID:	012011251-00	012
Method	Parameter	Result	RL Unit	's	Prep Date & Ana	alyst	Analysis Date & Ana	
METALS								
200.8	Lead	11.4	1.00 µg/L		10/14/2020	KB	10/14/2020 15:18	KB
Client Sample Description	02-203-CF-P-04 1st Fl- Class 203 Sink 4		Collected:	10/9/2020 4:28:00 AM	Lab	ID:	012011251-00	013
Method	Parameter	Result	RL Unit	s	Prep Date & Ana	alyst	Analysis Date & Ana	
METALS								
200.8	Lead	4.33	1.00 µg/L		10/14/2020	KB	10/14/2020 15:19	KB
Client Sample Description	02-204-CF-P-05 1st Fl- Class 204 Sink 5		Collected:	10/9/2020 4:30:00 AM	Lab	ID:	012011251-00	014
Method	Parameter	Result	RL Unit	s	Prep Date & Ana	alyst	Analysis Date & Ana	
METALS								
200.8	Lead	5.74	1.00 µg/L		10/14/2020	KB	10/14/2020 15:20	KB
Client Sample Description	<ul> <li>02-Art-CF-P-06</li> <li>1st Fl- Art Room- Classroom- Sink 6</li> </ul>		Collected:	10/9/2020 4:33:00 AM	Lab	ID:	012011251-00	015
Method	Parameter	Result	RL Unit	ŚS	Prep Date & Ana	alyst	Analysis Date & Ana	
METALS								
200.8	Lead	14.4	1.00 µg/L		10/14/2020	KB	10/14/2020 15:22	KB

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		An	alytical	Results					
Client Sample Descripti	on	02-Art-CF-P-07 1st Fl- Art Room- Classroom- Sink 7		Collected:	10/9/2020 4:34:00 AM	Lab	ID:	012011251-00	016
Method	P	arameter	Result	RL Un	nits	Prep Date & Ana	alyst	Analysis Date & Ana	
METALS									
200.8	Le	ead	4.05	1.00 µg	/L	10/14/2020	KB	10/14/2020 15:23	KB
Client Sample Descripti	on	02-Art-CF-P-08 1st FI- Art Room- Classroom- Sink 8		Collected:	10/9/2020 4:34:00 AM	Lab	ID:	012011251-00	017
Method	P	arameter	Result	RL Un	nits	Prep Date & Ana	alyst	Analysis Date & Ana	
METALS									
200.8	Le	ead	508 D	10.0 µg	/L	10/14/2020	KB	10/14/2020 16:26	KB
Client Sample Descripti	on	02-Art-CF-P-09 1st Fl- Art Room- Classroom- Sink 9		Collected:	10/9/2020 4:36:00 AM	Lab	ID:	012011251-00	018
Method	P	arameter	Result	RI Un	ite	Prep Date & Ana	alvst	Analysis Date & Ana	

Method	Parameter	Result	RL Units	Date & Analyst	Date & Analyst
METALS					
200.8	Lead	8.99	1.00 µg/L	10/14/2020 KB	10/14/2020 KB 16:27
Client Sample D	<b>Description</b> 02-Art-CF-P-10 1st Fl- Art Room- Clas		<b>Collected:</b> 10/9/2 4:36:00		012011251-0019
Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst

METALS							
200.8	Lead	15.5	1.00 µg/L	10/14/2020	KB	10/14/2020 15:29	KB
Client Sample D	escription 02-Art-CF-P-11 1st FI- Art Room- Classi	room- Sink 11	<b>Collected:</b> 10/9/ 4:37:0		D:	012011251-00	020
Method	Parameter	Result	RL Units	Prep Date & Anal	lyst	Analysis Date & Ana	
METALS							
200.8	Lead	15.9	1.00 µg/L	10/14/2020	KB	10/14/2020 15:30	KB

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Client Sample Descripti		D2-120-BF-P-07 1st Fl- Class 120- Bathroom- Sink 7	larytica	Collected:	10/9/2020 4:39:00 AM	Lab	ID:	012011251-00	021
Method	Par	ameter	Result	RL Ur	nits	Prep Date & An	alyst	Analysis Date & Ana	
METALS									
200.8	Lea	d	10.6	1.00 µg	/L	10/14/2020	KB	10/14/2020 15:36	KB
Client Sample Descripti		002-205-CF-P-12 1st Fl- Class 205- Class- Sink 12		Collected:	10/9/2020 4:44:00 AM	Lab	ID:	012011251-00	022
Method	Par	ameter	Result	RL Ur	nits	Prep Date & An	alyst	Analysis Date & Ana	
METALS									
200.8	Lea	d	8.82	1.00 µg	/L	10/14/2020	KB	10/14/2020 15:44	KB
Client Sample Descripti		002-206-CF-P-13 1st Fl- Class 206- Class- Sink 13		Collected:	10/9/2020 4:46:00 AM	Lab	ID:	012011251-00	023
Method	Par	ameter	Result	RL Ur	nits	Prep Date & An	alyst	Analysis Date & Ana	
METALS									

200.8	Lead	3.34	1.00 μg/L	10/14/2020 KB	10/14/2020 KB 15:46	
Client Sample Description	on 002-207-CF-P-14 1st Fl- Class 207- Class- Sink 14		<b>Collected:</b> 10/9/ 4:47:0	/2020 <b>Lab ID:</b> 00 AM	012011251-0024	
Method	Parameter	Result	Prep RL Units Date & Ar		Analysis Date & Analyst	
METALS						
200.8	Lead	8.91	1.00 μg/L	10/14/2020 KB	10/14/2020 KB 15:47	
Client Sample Description	on 002-208-CF-P-15 1st Fl- Class 208- Class- Sink 15		<b>Collected:</b> 10/9/ 4:49:0	/2020 <b>Lab ID:</b> 00 AM	012011251-0025	
Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst	
METALS						
200.8	Lead	8.82	1.00 μg/L	10/14/2020 KB	10/14/2020 KB 15:48	

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Project: <b>31402629.01</b> 1	I.02; Mahopac School Distric	ct (Fulmer Road Elementary	School)			
		Analytical Ro	esults			
Client Sample Descript	ion 002-Staff-KF-P-03 1st Fl- Staffroom- Kitche	en- Sink 2	Collected:	10/9/2020 4:50:00 AM	Lab ID:	012011251-0026
Method	Parameter	Result	RL Un	iits	Prep Date & Analyst	Analysis Date & Analyst

METALS					
200.8	_ead	3.21	1.00 μg/L	10/14/2020 KB	10/14/2020 KB 15:50
Client Sample Description	002-209-CF-P-16 1st Fl- Class 209- Class- Sink 16		<b>Collected:</b> 10/9/ 4:52:0	/2020 <i>Lab ID:</i> 00 AM	012011251-0027
Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	_ead	6.87	1.00 μg/L	10/14/2020 KB	10/14/2020 KB 15:51
Client Sample Description	002-210-CF-P-17 1st Fl- Class 210- Class- Sink 17		<b>Collected:</b> 10/9/ 4:54:0	/2020 <b>Lab ID:</b> 00 AM	012011251-0028
		Result			012011251-0028 Analysis Date & Analyst
	1st Fl- Class 210- Class- Sink 17	Result	4:54:0	00 AM <b>Prep</b>	Analysis
Method METALS	1st Fl- Class 210- Class- Sink 17	Result 38.8	4:54:0	00 AM <b>Prep</b>	Analysis

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst	
METALS						
200.8	Lead	29.7	1.00 µg/L	10/14/2020 KB	10/14/2020 KB 15:53	
Client Sample D	Description 002-212-CF-P-19 1st Fl- Class 211- Class- Sir	k 19	<b>Collected:</b> 10/9/ 4:57:0		012011251-0030	
Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst	
METALS						
200.8	Lead	12.9	1.00 µg/L	10/14/2020 KB	10/14/2020 KB 15:57	

EMSL 2	EMSL Analytical, Inc.           00 Route 130 North, Cinnaminson, NJ 08077           'hone/Fax:         (856) 303-2500 / (856) 858-4571           ttp://www.EMSL.com         EnvChemin	stry2@emsl.com	L		EMSL Order: CustomerID: CustomerPO: ProjectID:	012011251 LBAP78 20PO010630
Attn: Joseph Kap	р		Phone:	(212) 612-7900		
WSP USA S	olutions Inc		Fax:			
96 Morton S 8th floor New York, N	Street		Received:	10/12/2020 09:0	IO AM	
Project: 31402629.01	I.02; Mahopac School District (Fulmer R A	nalytical				
Client Sample Descript	<i>ion</i> 002-213-CF-P-20		Collected:	10/9/2020	Lab ID:	012011251-0031
	1st FI- Class 212- Class- Sink 20			4:58:00 AM		
lethod	Parameter	Result	RL U	nits	Prep Date & Analyst	Analysis Date & Analyst
METALS						

METALS					
200.8	Lead	11.1	1.00 μg/L	10/14/2020 KB	10/14/2020 KB 15:58
Client Sample Description	<ul> <li>002-512-CF-P-21</li> <li>1st Fl- Class 5-12- Class- Sink 21</li> </ul>		<b>Collected:</b> 10/9/2 5:01:00		012011251-0032
Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	12.3	1.00 µg/L	10/14/2020 KB	10/14/2020 KB 16:02
Client Sample Description	<ul> <li>002-214-CF-P-22</li> <li>1st FI- Class 214- Class- Sink 22</li> </ul>		<b>Collected:</b> 10/9/2 5:02:00		012011251-0033
Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	8.31	1.00 µg/L	10/14/2020 KB	10/14/2020 KB 16:04
Client Sample Description	<ul> <li>002-215-CF-P-23</li> <li>1st FI- Class 215- Class- Sink 23</li> </ul>		<b>Collected:</b> 10/9/2 5:04:00		012011251-0034
Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	7.66	1.00 µg/L	10/14/2020 KB	10/14/2020 KB 16:05
Client Sample Description	<ul> <li>002-216-CF-P-24</li> <li>1st FI- Class 216- Class- Sink 24</li> </ul>		<b>Collected:</b> 10/9/2 5:05:00		012011251-0035
Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	7.72	1.00 μg/L	10/14/2020 KB	10/14/2020 KB 16:06

EMSL	2 <b>00 Ro</b> Phone/			1		EMSL Or Custome Custome ProjectID	rID: rPO:	012011251 LBAP78 20PO010630	)
Attn: Joseph Kaj WSP USA S 96 Morton S 8th floor New York,	Solu Stre	et		Phone: Fax: Received:	(212) 612-7900 10/12/2020 09:				
Project: 31402629.01 Client Sample Descrip		002-217-CF-P-25	Road Elementa		10/9/2020	Lab	ID:	012011251-00	036
Method	P	1st Fl- Class 217- Class- Sink 25 arameter	Result	RL Ur	5:06:00 AM	Prep Date & Ana	alyst	Analysis Date & Ana	
METALS									
200.8	Le	ead	6.47	1.00 µg	/L 1	0/14/2020	KB	10/14/2020 16:07	KB
Client Sample Descrip	tion	002-Hall-WB-P-01 1st Fl- Hallway by clas 217- Bottle	filler - 1	Collected:	10/9/2020 5:07:00 AM	Lab	ID:	012011251-00	)37
Method	P	arameter	Result	RL Ur	nits	Prep Date & Ana	alyst	Analysis Date & Ana	
METALS									

METALS							
200.8	Lead	ND	1.00 µg/L	10/14/2020	KB	10/14/2020 16:09	KB
Client Sample De		)8 nens office- Bathroom- Sink		/9/2020 <b>Lab</b> 0:00 AM	ID:	012011251-0	038
Method	Parameter	Result	RL Units	Prep RL Units Date & Analyst		Analysis Date & Analyst	
METALS							
200.8	Lead	12.9	1.00 µg/L	10/14/2020	KB	10/14/2020 16:13	KB
Client Sample De	• •	99 s office- Bathroom- Sink 9		/9/2020 <b>Lab</b> 2:00 AM	ID:	012011251-0	039
Method	Parameter	Result	RL Units	Prep Date & Ana	lyst	Analysi: Date & Ana	
METALS							
200.8	Lead	14.1	1.00 µg/L	10/14/2020	KB	10/14/2020 16:14	KB
Client Sample De	•	მ s 101- Class- Sink 26		/9/2020 <b>Lab</b> 7:00 AM	ID:	012011251-0	040
			<b>51 11</b> 11	Prep	luct	Analysi: Date & Ana	
Method	Parameter	Result	RL Units	Date & Ana	iyst	Date & And	aryst
<i>Method</i> METALS	Parameter	Result	RL Units	Date & Alla	iiyst		aryst

EMSL 2	EMSL Analytical, Inc 00 Route 130 North, Cinnaminson hone/Fax: (856) 303-2500 / (856 ttp://www.EMSL.com	, NJ 08077			EMSL Order: CustomerID: CustomerPO: ProjectID:	012011251 LBAP78 20PO010630
96 Morton S 8th floor New York, N	olutions Inc Street		:: ceived:	(212) 612-7900 10/12/2020 09:0		
		Analytical Re	sults			
Client Sample Descript	ion 001-102-CF-P-27 Basement- Class 102- C	lass- Sink 27	Collected:	10/9/2020 5:18:00 AM	Lab ID:	012011251-0041
Method	Parameter	Result	RL Un	iits	Prep Date & Analyst	Analysis Date & Analyst

METALS					
200.8	Lead	5.41	1.00 µg/L	10/14/2020 KB	10/14/2020 KB 17:29
Client Sample Description	001-103-CF-P-28 Basement- Class 103- Class- S	Sink 28		0/9/2020 <b>Lab ID:</b> 9:00 AM	012011251-0042
Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	7.80	1.00 μg/L	10/14/2020 KB	10/14/2020 KB 17:33
Client Sample Description	<ul> <li>001-104-CF-P-29</li> <li>Basement- Class 104- Class- S</li> </ul>	Sink 29		0/9/2020 <b>Lab ID:</b> 0:00 AM	012011251-0043
Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	14.1	1.00 µg/L	10/14/2020 KB	10/14/2020 KB 17:35
Client Sample Description	001-L01-BF-P-10 Basement- L-1 womens- Bathro	oom- Sink 10		0/9/2020 <b>Lab ID:</b> 2:00 AM	012011251-0044
Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	6.46	1.00 µg/L	10/14/2020 KB	10/14/2020 KB 17:36
Client Sample Description	001-L01-BF-P-11 Basement- L-1 womens- Bathro	oom- Sink 11		0/9/2020 <b>Lab ID:</b> 3:00 AM	012011251-0045
Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
METALS					
200.8	Lead	10.7	1.00 μg/L	10/14/2020 KB	10/14/2020 KB 17:37

EMSL 200 Pho	WSL Analytical, Inc. P Route 130 North, Cinnaminson, NJ 08077 one/Fax: (856) 303-2500 / (856) 858-4571 c://www.EMSL.com EnvChemist	ry2@emsl.co	<u>m</u>		EMSL Or Custome Custome ProjectID	rID: rPO:	012011251 LBAP78 20PO01063(	)
Attn: Joseph Kapp WSP USA So 96 Morton St 8th floor	lutions Inc		Fax:	(212) 612-7900 10/12/2020 09:				
New York, N	Y 10014							
Project: 31402629.011.0	02; Mahopac School District (Fulmer Ro	ad Elemen	tary School)					
	٨٣	alvtica	l Results					
Client Sample Descriptio			Collected:	10/9/2020 5:24:00 AM	Lab	ID:	012011251-00	946
Method	Parameter	Result	RL Un	its	Prep Date & Ana	alyst	Analysis Date & Ana	
METALS								
200.8	Lead	10.5	1.00 µg/	L 1	0/14/2020	KB	10/14/2020 17:41	KB
Client Sample Descriptio	n 001-105-CF-P-30 Basement- Class 105- Class- Sink 30		Collected:	10/9/2020 5:26:00 AM	Lab	ID:	012011251-00	)47
Method	Parameter	Result	RL Un	its	Prep Date & Ana	alyst	Analysis Date & Ana	
METALS								
200.8	Lead	4.27	1.00 µg/	L 1	0/14/2020	KB	10/14/2020 17:42	KB
Client Sample Descriptio	n 001-106-CF-P-31 Basement- Class 106- Class- Sink 31		Collected:	10/9/2020 5:28:00 AM	Lab	ID:	012011251-00	)48
Method	Parameter	Result	RL Un	its	Prep Date & Ana	alyst	Analysis Date & Ana	
METALS								
200.8	Lead	4.82	1.00 µg/	L 1	0/14/2020	KB	10/14/2020 17:43	KB
Client Sample Descriptio	n 001-107-CF-P-32 Basement- Class 107- Class- Sink 32		Collected:	10/9/2020 5:29:00 AM	Lab	ID:	012011251-00	)49
Method	Parameter	Result	RL Un	its	Prep Date & Ana	alyst	Analysis Date & Ana	
METALS								
200.8	Lead	12.3	1.00 µg/	L 1	0/14/2020	KB	10/14/2020 17:45	KB
Client Sample Descriptio	n 001-108-CF-P-33 Basement- Class 108- Class- Sink 33		Collected:	10/9/2020 5:30:00 AM	Lab	ID:	012011251-00	950
Method	Parameter	Result	RL Un	its	Prep Date & Ana	alyst	Analysis Date & Ana	

Attn: Joseph Kapp WSP USA Solu 96 Morton Stre 8th floor New York, NY	www.EMSL.com EnvChemistr utions Inc Set		Phone: ( Fax: Received: <sup>2</sup>	212) 612-7900 10/12/2020 09:		erID: erPO:	012011251 LBAP78 20PO01063	0
	An	alytical	Results					
Client Sample Description	001-109-CF-P-34 Basement- Class 109- Class- Sink 34		Collected:	10/9/2020 5:31:00 AM	Lab	ID:	012011251-00	051
Method H	Parameter	Result	RL Uni	ts	Prep Date & An	alyst	Analysis Date & Ana	
METALS								
200.8 L	Lead	8.52	1.00 µg/L	<u>-</u> .	10/14/2020	KB	10/14/2020 17:47	KB
Client Sample Description	001-110-CF-P-35 Basement- Class 100- Class- Sink 35		Collected:	10/9/2020 5:32:00 AM	Lab	ID:	012011251-00	052
Method I	Parameter	Result	RL Uni	ts	Prep Date & An	alyst	Analysis Date & Ana	
METALS								
200.8 L	Lead	4.65	1.00 µg/L	-	10/14/2020	KB	10/14/2020 17:51	KB
Client Sample Description	001-111-CF-P-36 Basement- Class 111- Class- Sink 36		Collected:	10/9/2020 5:36:00 AM	Lab	ID:	012011251-00	053
Method H	Parameter	Result	RL Uni	ts	Prep Date & An	alyst	Analysis Date & Ana	
METALS								
200.8 L	_ead	6.03	1.00 µg/L	-	10/14/2020	KB	10/14/2020 17:52	KB
Client Sample Description	001-Bath-BF-P-13 Basement- Hallway bathroom btw 111 112- Bathroom- Sink 13	&	Collected:	10/9/2020 5:37:00 AM	Lab	ID:	012011251-00	054

Date & Analysis Date & Analyst **RL Units** Method Parameter Result METALS 6.11 1.00 µg/L 10/14/2020 KB 10/14/2020 200.8 Lead KΒ 17:57 **Client Sample Description** 001-112-CF-P-37 Collected: 10/9/2020 Lab ID: 012011251-0055 Basement- Class 112- Class- Sink 37 5:39:00 AM Prep Analysis RL Units Date & Analyst Date & Analyst Method Parameter Result METALS 1.00 µg/L 10/14/2020 KB 10/14/2020 200.8 6.28 KB Lead 17:58

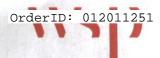
EMSL	EMSL Analytical, 200 Route 130 North, Cinnam Phone/Fax: (856) 303-2500 http://www.EMSL.com		1		EMSL Order: CustomerID: CustomerPO: ProjectID:	012011251 LBAP78 20PO010630
WSP US 96 Morto 8th floor	ttn: Joseph Kapp WSP USA Solutions Inc 96 Morton Street		Phone: Fax: Received:	(212) 612-7900 10/12/2020 09:0	0 AM	
Project: 31402629	9.011.02; Mahopac School Di	istrict (Fulmer Road Element	ary School)			

## **Analytical Results**

Client Sample Description	n 001-113-CF-P-38 Basement- Class 113 - Class- Sinl	k 38	Collected:	10/9/2020 5:41:00 AM		ID:	012011251-00	)56
Method	Parameter	Result	RL Unit	s	Prep Date & Ana	lyst	Analysis Date & Anal	
METALS								
200.8	Lead	9.40	1.00 µg/L		10/14/2020	KB	10/14/2020 18:00	KB

#### **Definitions:**

MDL - method detection limit J - Result was below the reporting limit, but at or above the MDL ND - indicates that the analyte was not detected at the reporting limit RL - Reporting Limit (Analytical) D - Dilution Sample required a dilution which was used to calculate final results





Lead (Pb) Chain of Custody EMSL MANHATTAN LAB

					anna a tha tha ta		
Client: Mahopac Scho	ol District				20 OCT -	9 AM 8: 32	
Location Sampled: Fu	Imer Road	and the second state of th	and the second state of th				
Date: 10/9/2020		Address: 55 FL	ulmar Rd, Mah	second	and an examination in a starte our allower the second starte of the second starte in the		
Report To (Name): Jos		All and the second state of the			ED BY: 5 Gab	er, MI	resource
Email Address: Josep	and the second s	and the second se	LabResults@w	sp.com			
Project Number: 31402	2629.011.0		d Time (TAT)	Ontions* - Pl	ease Check		a da an
3 Hour 6	6 Hour	24 Hour	48 Hour	72 Hour	120 Hour	1 Week	2 Week
Drinking Water Pres	erved wit	th HNO <sub>3</sub> pH < 2					
Sample ID	Lab ID		Sampl	e Description		Volume	Date/Time Sampled
Ex. 003-312-DW-P-015		Floor, Room I	Name, Room	Number, Typ	be, Type Number	250 mL	
02 - Mens-BF+P-01	01	75+ Floo	r, Mens I	ocker Rm;	2009, Bathroom.	1 250 mL	- 4:08 am
02-2012-KF-P-01	02	111 - 11	chen, Hand	Wash, Sin		250 mL	4:10 am
02-2012-KF-P-52	03	15+ FL, K	itchen Fo	1 -		250 mL	and the second
02-225-CF-P-01	04		lass 225	, Sink	1	250 mL	1.17400
0 Z-Boys-BF-P-02	05		on/s Restroo	m & Bathre	om - SinkZ	250 mL	1.10 am
02-6115-BF-P03	06				iom-Sink 3	250 mL	Iorlam
02-Nurse-BF-P-04	07		urse, Ba-			250 mL	1.19am
02-Nurse-NS-POI	08	and the second se		fice - Sink		250 mL	7.20 am
02-Womens-BF-P-05		75+ FL,			room - Sink E		7.01911
02-Mens-BF-1-06 02-201-CF-P-02	10	1St FL,	and the second	Bathroom	and the second	250 mL	1.2000
	11	1	21955 201	Sink	and the second se	250 mL	1.07000
02-202-CF-P-03	12	7S+ FL,		Z, sink		250 mL	1. 20am
02-203-CF-P-04	13	1st FL	, dass 203	, Sink	4	250 mL	7.20000
02-204-CF-P-15		1st FL,	Class 204	Sink 5		250 mL	7. JUAM
02-art-CF-P-06	15			, Classrou	om, Sinkb	250 mL	4:33am
02-art-(EP-07	16	IST FL,	Art 1000	CLG SJFO	om sinh >	250 mL	FI: Stinn
62 Art - CF - P-08	17	1St FL,	Art room,	CLASSFOON	- SAL 8	250 mL	7 : 55414
02 Art CF - P-69	18	ISTEL, Ar	t coom	Classmon	, sive 9	250 mL	4.00
02 Art (F- FID	19	15 FL Ar	t room	Classevon	, s. h 10	250 mL	4. John
02Art CF-P-11	20	ISVEL ASI	r Room,	CLESSION	5, nh 11	250 mL	4:514-
02-120-BF-P-07	21	1StFL , Rly	\$ 120, Bah	our, Sinh	7	250 mL	9:31am
Relinquished by:		A al A	SRUBEN C	Date: 10	19/20	Time:	8:20
Received by:		Danie Holo	tog 0	ate: 16/	9/2020	Time:	8:32A
Comments: A first dra and is the 15th outlet of KF= Kitchen Faucet. B	counted (0	(P) was taken at 15). DW= drinkin om Sink Faycet.	a drinking wat g water fountai NS= Nurse's O	n. WB= Water I ffice Faucet.	/) on the 3rd floor ( Bottle Filler. CF= Cl	003) outside of re assroom Sink Fa	oom 312 (312) iucet.
	a Michie	An	r courr	BR 10/	9/20 9:	20 pm	14
	96 Mor	ton St 8 <sup>th</sup> FL I N	ew York   NY	10014   USA	Tel +1.212.612.79	the second s	
Sector and		Pa	age 1 Of	UNAL A	10/12/20	20 9:00	1



012011251

EMSL MANHATTAN LAB RECEIVED

## 20 OCT -9 AM 8: 32

Sample ID	Lab ID	Sample Description	Volume	Date/Time Sampled
002-205-CF-P-12	22	1st Flr, Uluss 205, Wass-Sinh 12	250 mL	4:44an
002-206-UF-P-13	23	1st Flr, class 206, class - Sink 13	250 mL	4: 450
002-207-CF-P-14	24	1st FIr, class 207, class - Sink 14	250 mL	4º 470m
02-208-CF-P-15	25	1st Flr, cluss 208, cluss - Stok 15	250 mL	4:494
002-STAFF-KF-P-03	26	1st Flr, Staffroom, Kitchen - Sigh 3	250 mL	4:50g
02-209 - CF-R-15		Ast Flr, Class 209, class - Sinh 16	250 mL	4:520
002-210-CF-P-17		1st Flr, Cluss 210, Cluss - Sink 17	250 mL	4054 an
002-211-CF-P-18		Ast Flr, Uluss 211, Uluss - Sinh 18	250 mL	4:55 gm
002-212-CF-P-19		Ast Flr, Ulyss 212, Ulass - Sink 19	250 mL	4:57am
002-213-CF-P-20		1st Flr, Class 213, Class - Sink ZO	250 mL	4. Sopam
002-S12-CF-P-21	32	1st Flr, Class 5-12, Class-Sinh 21	250 mL	5:01an
002+214-CF-P-22	33	1st Flr, Mass 214, class - Sink 22	250 mL	5º OZam
002+215+CF-P-23	34	1st Fir, 01955 215, 01955 - Sinh 23	250 mL	5:04an
002-216-CF-P-24		1st Flr, class 216, class - Sinh 24	250 mL	5:05gm
002-217-CF-P-25	36	1st Fir, class 217, class - 5/2 18 25	250 mL	5:06 am
002-HALL 01	the second se	1st Flo Hallway by class 217, Bottle Filler 1	250 mL	5:07 gm
002-GYM-BF-P-08		1st FIr, Gym Womens office, Bathroom - Sink	250 mL	5010 am
002-GY4-BF-p-09		1st Fir, Gym Mens office, Bathroom- g	250 mL	5%12 an

Relinquished by:	STEPHEN GRUBER Date:	10/9/20	Time:	8:20
Received by:	Paurel Holow Date:	10 9/2020	Time:	832 Am
Comments:	Y			

Page\_\_\_\_of\_\_\_\_ pages



012011251

## EMSL MANHATTAN LAB RECEIVED

## 20 OCT -9 AM 8: 32

Sample ID	Lab ID	Sample Description	Volume	Date/Time Sampled
201-101 - CF-P-26	40	Busement, Class 101, Class - Sigh 25	250 mL	5:17 an
007-102-CF-P-27	4	Basement, Class 102, class - Sinh 27	250 mL	5:10 cm
001-103-CF-P-28	42	Busement, cluss 103, cluss, - sinh 28	250 mL	Solgan
001-104-CF-P-24	43	Busement, Cluss 104, Cluss - Sinh 29	250 mL	5:2000
001-L01-BF-P-to	44	Bysement, L-1 Womens, Buthroom - Sinh 10	250 mL	5:22 am
001-L01-BF-P-31	45	Busement, Et Womens, Butbroom-Sink 11	250 mL	5:23 gm
001-L02-BF-P-12	46	Bysement, L-2 Mens, Bythroom - Sinh 12	250 mL	5:24 am
001-105-CF-P-30	47	Busement, Cluss 105, Class - Sinh 30	250 mL	5:26an
001-106-CF-P-31	48	Basement, Cluss 106, Cluss - Sinh 31	250 mL	5:28 am
001-107-CF-P-32	49	Busement, Mass 107, Muss - Sinh 32	250 mL	5: 29 am
001-108-CF-P-33		Busement, Cluss 108, cluss - Sinh 33	250 mL	5:30 an
001-109-CF-P-34	51	Busement, cluss 109, cluss-sinh 34	250 mL	5:31 am
001-110-CF-P-35		Busement, Cluss 110, Cluss - Sinh 35	250 mL	5:32 am
001-111-CF-P-36	100	Busement, Cluss III, Class - Sink 36	250 mL	5:36 gm
001-BATH-BF-P-13		Busement, Btw III & 112, Buthroom - 13	250 mL	5:37an
001-112-CF-P-37		Busement, Cluss 112, Cluss - Sigh 37	250 mL	5:39 am
001-113-CF-P-38	56	Busement, class 113, class - Sinh 38	250 mL	So Ham
			250 mL	

Relinquished by:	STEPHEN GRUDE Date:	10/9/20	Time:	0:20
Received by:	Daultoow Date:	10/9/2020	Time:	8:32AM
Comments:				
	0			

Page\_\_\_\_\_\_of\_\_\_\_\_ pages



# **Technical Report**

prepared for:

WSP USA Solutions Inc. (New York, NY) 96 Morton Street, 8th Floor

New York NY, 10011 Attention: Joseph Kapp

Report Date: 12/11/2020 Client Project ID: 31402629.011.02.00 York Project (SDG) No.: 20L0093

CT Cert. No. PH-0723 New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE www.YORKLAB.com STRATFORD, CT 06615 (203) 325-1371 132-02 89th AVENUE FAX (203) 357-0166 RICHMOND HILL, NY 11418 ClientServices@yorklab.com

## Report Date: 12/11/2020 Client Project ID: 31402629.011.02.00 York Project (SDG) No.: 20L0093

#### WSP USA Solutions Inc. (New York, NY)

96 Morton Street, 8th Floor New York NY, 10011 Attention: Joseph Kapp

#### **Purpose and Results**

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on December 02, 2020 and listed below. The project was identified as your project: **31402629.011.02.00**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	<u>Client Sample ID</u>	<u>Matrix</u>	Date Collected	Date Received
20L0093-01	02-225-CF-SSP-01	Drinking Water	12/02/2020	12/02/2020
20L0093-02	02-Art-CF-SSP-08	Drinking Water	12/02/2020	12/02/2020
20L0093-03	02-Art-CF-SSP-10	<b>Drinking Water</b>	12/02/2020	12/02/2020
20L0093-04	02-Art-CF-SSP-11	Drinking Water	12/02/2020	12/02/2020
20L0093-05	02-210-CF-SSP-17	Drinking Water	12/02/2020	12/02/2020
<b>20L0093-06</b>	02-211-CF-SSP-18	Drinking Water	12/02/2020	12/02/2020

#### General Notes for York Project (SDG) No.: 20L0093

- 1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
- 2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
- 3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
- 4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
- 5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
- 6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
- 7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
- 8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

#### **Approved By:**

Benjamin Gulizia Laboratory Director **Date:** 12/11/2020





#### **Sample Information**

Client Sample ID: 02-225-CF-SSP-01	1							York Sample	e ID:	20L0093-01
York Project (SDG) No.	Client	Project II	<u>D</u>		Ma	<u>atrix</u>	Collec	ction Date/Time	<u> </u>	Date Received
20L0093	3140262	29.011.02.	.00		Drinkir	ng Water	Decembe	er 2, 2020 6:01	am	12/02/2020
Lead by EPA 200.8 Sample Prepared by Method: EPA 200.8				<u>Log-in Notes:</u>		<u>San</u>	<u>iple Note</u>	<u>s:</u>		
CAS No. Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Referenc	e Method	Date/Time Prepared	Date/Tim Analyze	
7439-92-1 Lead	429	1 mg	ug/L	1.00	1	EPA 200.8	e meenoù	12/09/2020 16:07	12/10/2020 18	
						Certifications:	CTDOH,N	ELAC-NY10854,NJD	EP,PADEP	
		5	Sample	Information						
Client Sample ID: 02-Art-CF-SSP-08	3							York Sample	e ID:	20L0093-02
York Project (SDG) No.	Client	Project II	<u>D</u>		Ma	<u>atrix</u>	Collec	ction Date/Time	<u> </u>	Date Received
20L0093	3140262	29.011.02.	.00		Drinkir	ng Water	Decembe	er 2, 2020 6:04	am	12/02/2020
Lead by EPA 200.8				<u>Log-in Notes:</u>		San	iple Note	<u>s:</u>		
Sample Prepared by Method: EPA 200.8				Reported to		D - f	e Method	Date/Time Prepared	Date/Tim Analyze	
CAS No. Parameter	Result	Flag	Units	LOQ	Dilution	Referenc	e mreenou	rieparea		
CAS No. Parameter 7439-92-1 Lead	Result 16.6	Flag	Units ug/L	LOQ 1.00	Dilution 1	EPA 200.8 Certifications:		12/09/2020 16:07 ELAC-NY10854,NJD	12/10/2020 18 DEP,PADEP	
		Flag				EPA 200.8		12/09/2020 16:07		·
7439-92-1 Lead	16.6		ug/L			EPA 200.8		12/09/2020 16:07 ELAC-NY10854,NJD	EP,PADEP	:14 BML
7439-92-1 Lead <u>Client Sample ID:</u> 02-Art-CF-SSP-10	16.6 0	5	<sup>ug/L</sup>	1.00	1	EPA 200.8 Certifications:	CTDOH,N	12/09/2020 16:07 ELAC-NY 10854,NJD <u>York Sample</u>	ep,padep <u>e ID:</u>	14 BML
7439-92-1 Lead <u>Client Sample ID:</u> 02-Art-CF-SSP-10 <u>York Project (SDG) No.</u>	16.6 0 <u>Client</u>	Project II	ug/L Sample	1.00	1 <u>Ma</u>	EPA 200.8 Certifications:	стдон,n <u>Colle</u> c	12/09/2020 16:07 ELAC-NY 10854,NJD <u>York Sample</u> ction Date/Time	еррадер <u>е ID:</u>	14 BML 20L0093-0.
7439-92-1 Lead <u>Client Sample ID:</u> 02-Art-CF-SSP-10	16.6 0 <u>Client</u>	5	ug/L Sample	1.00	1 <u>Ma</u>	EPA 200.8 Certifications:	стдон,n <u>Colle</u> c	12/09/2020 16:07 ELAC-NY 10854,NJD <u>York Sample</u>	еррадер <u>е ID:</u>	14 BML 20L0093-0.
7439-92-1 Lead <u>Client Sample ID:</u> 02-Art-CF-SSP-10 <u>York Project (SDG) No.</u> 20L0093 Lead by EPA 200.8	16.6 0 <u>Client</u>	Project II	ug/L Sample	1.00	1 <u>Ma</u>	EPA 200.8 Certifications: atrix ng Water	стдон,n <u>Colle</u> c	12/09/2020 16:07 ELAC-NY10854,NJD <u>York Sample</u> ction Date/Time or 2, 2020 6:05	еррадер <u>е ID:</u>	14 BML 20L0093-0.
7439-92-1 Lead <u>Client Sample ID:</u> 02-Art-CF-SSP-10 <u>York Project (SDG) No.</u> 20L0093 <u>Lead by EPA 200.8</u>	16.6 0 <u>Client</u>	Project II	ug/L Sample	1.00	1 <u>Ma</u> Drinkir	EPA 200.8 Certifications: attrix ng Water San	стдон, м <u>Collec</u> Decembe	12/09/2020 16:07 ELAC-NY10854,NJD <u>York Sample</u> ction Date/Time or 2, 2020 6:05	еррадер <u>е ID:</u>	20L0093-0; 20L0093-0; 202/202/ 12/02/202/
7439-92-1 Lead <u>Client Sample ID:</u> 02-Art-CF-SSP-10 <u>York Project (SDG) No.</u> 20L0093 <u>Lead by EPA 200.8</u> Sample Prepared by Method: EPA 200.8	16.6 0 <u>Client</u> 3140262	<u>Project IE</u> 29.011.02.	ug/L Sample	1.00 Information Log-in Notes: Reported to	l <u>Ma</u> Drinkin	EPA 200.8 Certifications: attrix ng Water San	CTDOH,N Collea Decembe nple Note e Method	12/09/2020 16:07 ELAC-NY 10854,NJD <u>York Sample</u> etion Date/Time er 2, 2020 6:05 <u>S:</u> Date/Time	e ID: am Date/Tim Analyze	20L0093-03 20L0093-03 20ate Received 12/02/2020
7439-92-1 Lead <u>Client Sample ID:</u> 02-Art-CF-SSP-10 <u>York Project (SDG) No.</u> 20L0093 <u>Lead by EPA 200.8</u> Sample Prepared by Method: EPA 200.8 <u>CAS No. Parameter</u>	16.6 0 <u>Client</u> 3140262 Result	<u>Project IE</u> 29.011.02.	ug/L Sample <u>0</u> 00 Units	1.00 Information Log-in Notes: Reported to LOQ	1 <u>Ma</u> Drinkir	EPA 200.8 Certifications: atrix ng Water <u>San</u> Referenc EPA 200.8	CTDOH,N Collea Decembe nple Note e Method	12/09/2020 16:07 ELAC-NY 10854,NJD <u>York Sample</u> ction Date/Time er 2, 2020 6:05 <u>S:</u> <u>Date/Time</u> <u>Prepared</u> 12/09/2020 16:07	e ID: am Date/Tim Analyze	e d ABML BML BML BML BML BML BML BML BML BML
7439-92-1 Lead <u>Client Sample ID:</u> 02-Art-CF-SSP-10 <u>York Project (SDG) No.</u> 20L0093 <u>Lead by EPA 200.8</u> Sample Prepared by Method: EPA 200.8 <u>CAS No. Parameter</u>	16.6 0 <u>Client</u> 3140262 Result	Project IE 29.011.02. Flag	ug/L Sample 2 .00 Units ug/L	1.00 Information Log-in Notes: Reported to LOQ	1 <u>Ma</u> Drinkir	EPA 200.8 Certifications: atrix ng Water <u>San</u> Referenc EPA 200.8	CTDOH,N Collea Decembe nple Note e Method	12/09/2020 16:07 ELAC-NY 10854,NJD <u>York Sample</u> ction Date/Time er 2, 2020 6:05 <u>S:</u> <u>Date/Time</u> <u>Prepared</u> 12/09/2020 16:07	e ID: am Date/Tim Analyze	20L0093-0: 20L0093-0: 2012/02/2024 12/02/2024
7439-92-1 Lead <u>Client Sample ID:</u> 02-Art-CF-SSP-10 <u>York Project (SDG) No.</u> 20L0093 <u>Lead by EPA 200.8</u> Sample Prepared by Method: EPA 200.8 <u>CAS No. Parameter</u>	16.6 0 <u>Client</u> 3140262 <u>Result</u> 3.50	Project IE 29.011.02. Flag	ug/L Sample 2 .00 Units ug/L	1.00 Information Log-in Notes: Reported to LOQ 1.00	1 <u>Ma</u> Drinkir	EPA 200.8 Certifications: atrix ng Water <u>San</u> Referenc EPA 200.8	CTDOH,N Collea Decembe nple Note e Method	12/09/2020 16:07 ELAC-NY 10854,NJD <u>York Sample</u> ction Date/Time er 2, 2020 6:05 <u>S:</u> <u>Date/Time</u> <u>Prepared</u> 12/09/2020 16:07	e ID: am Date/Tim Analyze 12/10/2020 18 1EP,PADEP	201.0093-0. 201.00
Zead         Client Sample ID:       02-Art-CF-SSP-10         York Project (SDG) No.         20L0093         Lead by EPA 200.8         Sample Prepared by Method: EPA 200.8         CAS No.       Parameter         7439-92-1       Lead         Client Sample ID:       02-Art-CF-SSP-11         York Project (SDG) No.       Parameter	16.6 0 <u>Client</u> 3140262 <u>Result</u> 3.50	Project II 29.011.02. Flag	ug/L Sample 0 00 Units ug/L Sample 0	1.00 Information Log-in Notes: Reported to LOQ 1.00	1 <u>Ma</u> Drinkir 1 1	EPA 200.8 Certifications: attrix ng Water <u>San</u> Referenc EPA 200.8 Certifications:	CTDOH,N <u>Collec</u> Decembe <b>aple Note</b> <b>e Method</b> CTDOH,N	12/09/2020 16:07 ELAC-NY 10854,NJD <u>York Sample</u> ction Date/Time er 2, 2020 6:05 <u>S:</u> <u>Date/Time</u> Prepared 12/09/2020 16:07 ELAC-NY 10854,NJD <u>York Sample</u> ction Date/Time	e ID: am Date/Tim Analyze 12/10/2020 18 12P,PADEP e ID:	20L0093-0 ate Received 12/02/2024 e d Analyst :15 BML 20L0093-04
Client Sample ID:       02-Art-CF-SSP-10         York Project (SDG) No.       20L0093         Lead by EPA 200.8       Sample Prepared by Method: EPA 200.8         CAS No.       Parameter         7439-92-1       Lead         Client Sample ID:       02-Art-CF-SSP-11	16.6 0 <u>Client</u> 3140262 <u>Result</u> 3.50	Project IE 29.011.02. Flag	ug/L Sample 0 00 Units ug/L Sample 0	1.00 Information Log-in Notes: Reported to LOQ 1.00	1 <u>Ma</u> Drinkir 1 1	EPA 200.8 Certifications: attrix ng Water <u>San</u> Referenc EPA 200.8 Certifications:	CTDOH,N <u>Collec</u> Decembe <b>aple Note</b> <b>e Method</b> CTDOH,N	12/09/2020 16:07 ELAC-NY 10854,NJD <u>York Sample</u> ction Date/Time er 2, 2020 6:05 <u>S:</u> <u>Date/Time</u> <u>Prepared</u> 12/09/2020 16:07 ELAC-NY 10854,NJD <u>York Sample</u>	e ID: am Date/Tim Analyze 12/10/2020 18 12P,PADEP e ID:	20L0093-0. 20L0093-0. 20L0093-0. e d Analyst 12/02/202 e d Analyst 20L0093-0. Date Received
Zead         Client Sample ID:       02-Art-CF-SSP-10         York Project (SDG) No.         20L0093         Lead by EPA 200.8         Sample Prepared by Method: EPA 200.8         CAS No.       Parameter         7439-92-1       Lead         Client Sample ID:       02-Art-CF-SSP-11         York Project (SDG) No.       Parameter	16.6 0 <u>Client</u> 3140262 <u>Result</u> 3.50	Project II 29.011.02. Flag	ug/L Sample 0 00 Units ug/L Sample 0	1.00 Information Log-in Notes: Reported to Log 1.00 Information	1 <u>Ma</u> Drinkir 1 1	EPA 200.8 Certifications: attrix ng Water EPA 200.8 Certifications: attrix ng Water	CTDOH,N Collec Decembe control CTDOH,N CTDOH,N COllec Decembe	12/09/2020 16:07 ELAC-NY 10854,NJD <u>York Sample</u> ction Date/Time er 2, 2020 6:05 <u>S:</u> <u>Date/Time</u> Prepared 12/09/2020 16:07 ELAC-NY 10854,NJD <u>York Sample</u> ction Date/Time	e ID: am Date/Tim Analyze 12/10/2020 18 EP.PADEP e ID: am	201.0093-03 201.0093-03 Date Received 12/02/2020 e d Analyst 15 BML 201.0093-04 Date Received 12/02/2020



#### **Sample Information**

<u>Client Sample ID:</u>	02-Art-CF-SSP-11								York Sample	e ID: 201	L0093-04
York Project (SDG)	) No.	Client	Project II	D		Ma	ıtrix	Colle	ction Date/Time	Date	Received
20L0093			9.011.02				ng Water	-	er 2, 2020 6:06		2/02/2020
							-				
Lead by EPA 200.	<u>.8</u>				Log-in Notes:		San	iple Note	es:		
Sample Prepared by Metho	od: EPA 200.8										
CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference	e Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1 Lead		8.74		ug/L	1.00	1	EPA 200.8		12/09/2020 16:07	12/10/2020 18:18	BML
							Certifications:	CTDOH,N	IELAC-NY10854,NJD	EP,PADEP	
				Sample	Information						
<u>Client Sample ID:</u>	02-210-CF-SSP-17								York Sample	<u>e ID:</u> 201	L0093-05
York Project (SDG)	) No.	Client	Project II	D		Ma	utrix	Colle	ction Date/Time	Date	Received
20L0093		3140262	9.011.02	.00		Drinkir	ng Water	Decembe	er 2, 2020 6:08	am 1	2/02/2020
Lead by EPA 200.	.8				Log-in Notes:		San	iple Note	es:		
Sample Prepared by Metho											
CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference	e Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1 Lead		10.9		ug/L	1.00	1	EPA 200.8		12/09/2020 16:07	12/10/2020 18:20	BML
							0 20 2	0000 0111		EDDADED	
							Certifications:	CTDOH,N	IELAC-NY10854,NJD	EP,PADEP	
							Certifications:	СТДОН, М	ELAC-NY 10854,NJD	JEP,PADEP	
				Sample	Information		Certifications:	СТДОН,	ELAC-NY 10854,NJD	EP, PADEP	
Client Sample ID:	02-211-CF-SSP-18			Sample	Information		Certifications:	СТДОН, М			0093-06
<u>Client Sample ID:</u>				-	Information				<u>York Sample</u>	<u>e ID:</u> 201	L0093-06
York Project (SDG)			Project II	- D	Information		<u>utrix</u>	Colle	York Sample	<u>e ID:</u> 201 Date	Received
				- D	Information			Colle	<u>York Sample</u>	<u>e ID:</u> 201 Date	
York Project (SDG) 20L0093	) <u>No.</u>		Project II	- D			<u>utrix</u> ng Water	<u>Colle</u> Decembe	York Sample ction Date/Time er 2, 2020 6:09	<u>e ID:</u> 201 Date	Received
York Project (SDG) 20L0093 Lead by EPA 200.	<u>) No.</u>		Project II	- D	Information		<u>utrix</u> ng Water	Colle	York Sample ction Date/Time er 2, 2020 6:09	<u>e ID:</u> 201 Date	Received
York Project (SDG) 20L0093	<u>) No.</u>		Project II	- D	Log-in Notes:	Drinkir	<u>utrix</u> ng Water	<u>Colle</u> Decembe	York Sample ction Date/Time er 2, 2020 6:09	e ID: 201 Date am 1	Received
York Project (SDG) 20L0093 Lead by EPA 200.	<u>) No.</u>		Project II	- D		Drinkir	<u>utrix</u> ng Water	<u>Colle</u> Decembe <b>aple Note</b>	York Sample ction Date/Time er 2, 2020 6:09	<u>e ID:</u> 201 Date	Received
York Project (SDG) 20L0093 Lead by EPA 200. Sample Prepared by Metho	<u>) No.</u> <u>.8</u> bd: EPA 200.8	3140262	<u>Project II</u> 9.011.02	<u>D</u> .00	Log-in Notes:	Drinkir	<u>utrix</u> ng Water <u>San</u>	Colle Decembe 1ple Note e Method	York Sample ction Date/Time er 2, 2020 6:09 es: Date/Time	e ID: 201 Date am 1 Date/Time Analyzed	Received 2/02/2020



## **Analytical Batch Summary**

Batch ID: BL00540	<b>Preparation Method:</b>	EPA 200.8	Prepared By:	BML
YORK Sample ID	Client Sample ID	Preparation Date		
20L0093-01	02-225-CF-SSP-01	12/09/20		
20L0093-02	02-Art-CF-SSP-08	12/09/20		
20L0093-03	02-Art-CF-SSP-10	12/09/20		
20L0093-04	02-Art-CF-SSP-11	12/09/20		
20L0093-05	02-210-CF-SSP-17	12/09/20		
20L0093-06	02-211-CF-SSP-18	12/09/20		
BL00540-BLK1	Blank	12/09/20		
BL00540-BS1	LCS	12/09/20		
BL00540-DUP1	Duplicate	12/09/20		
BL00540-MS1	Matrix Spike	12/09/20		



#### Metals by ICP/MS - Quality Control Data

#### York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Allalyte	Kesult	Liint	Units	Level	Result	/0KEC	Linits	Tiag	ICI D	Linn	1 lug
Batch BL00540 - EPA 200.8											
Blank (BL00540-BLK1)	Prepared: 12/09/2020 Analyzed: 12/10/20									2020	
Lead	ND	1.00	ug/L								
LCS (BL00540-BS1)							Prepa	ared: 12/09/2	2020 Analyz	ed: 12/10/2	2020
Lead	52.6		ug/L	50.0		105	85-115				
Duplicate (BL00540-DUP1)	*Source sample: 20L	0093-06 (02-	-211-CF-SS	SP-18)			Prepa	ared: 12/09/2	2020 Analyz	ed: 12/10/2	2020
Lead	13.4	1.00	ug/L		13.6				1.76	20	
Matrix Spike (BL00540-MS1)	*Source sample: 20L	0093-06 (02	-211-CF-SS	SP-18)			Prepared: 12/09/2020 Analyzed: 12/10/2020				
Lead	52.8		ug/L	50.0	13.6	78.3	75-125				



#### Sample and Data Qualifiers Relating to This Work Order

#### **Definitions and Other Explanations**

- \* Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
- ND NOT DETECTED the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
- RL REPORTING LIMIT the minimum reportable value based upon the lowest point in the analyte calibration curve.
- LOQ LIMIT OF QUANTITATION the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
- LOD LIMIT OF DETECTION a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
- MDL METHOD DETECTION LIMIT a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
- Reported to This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
- NR Not reported
- RPD Relative Percent Difference
- Wet The data has been reported on an as-received (wet weight) basis
- Low Bias Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
- High Bias High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
- Non-Dir. Non-dir. flag (Non-Directional Bias ) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

132-02 89th AVENUE FAX (203) 357-0166 RICHMOND HILL, NY 11418 ClientServices



Lead (Pb) Chain of Custody

2020093

Client: Mahopac Central									
Location Sampled: Fulmer Road Elementary School									
Date: 12/2/2020         Address: 55 Fulmar Rd, Mahopac, NY 10541									
Report To (Name): Joseph Kapp         Sampled By: Liam Bristol, Steve Gruber (N.C. 2/23/21)									
Email Address: <u>Joseph.Kapp@wsp.com</u> ; <u>LB.LabResults@wsp.com</u> ; Alexander.Smolyar@wsp.com									
Project Number: 31402629.011.02.00									
3 Hour 6 Ho	Turnaround Time (TAT) Options* - Please Check         3 Hour       6 Hour       24 Hour       48 Hour       72 Hour       >< 120 Hour								
3 Hour     6 Hour     24 Hour     48 Hour     72 Hour     >< 120 Hour     1 Week     2 Week       Drinking Water Preserved with HNO3 pH < 2									
Sample ID	Lab ID	Sample Description Volun	ne Date/Time Sampled						
Ex.		Floor, Room Name, Room Number, Type, Type Number 250 n							
003-312-DW-SSP-015									
02-225-CF-SSP-01	57	1 <sup>st</sup> Floor, Class 225, Sink 1 250 m	L (101						
02-Art-CF-SSP-08	58	1 <sup>st</sup> Floor, Art Room, Classroom, Sink 8 250 m							
02-Art-CF-SSP-10	59	1 <sup>st</sup> Floor, Art Room, Classroom, Sink 10 250 m							
02-Art-CF-SSP-11	60	1 <sup>st</sup> Floor, Art Room, Classroom, Sink 11 250 m							
002-210-CF-SSP-17	61	1 <sup>st</sup> Floor, Class 210, Class- Sink 17 250 m							
002-211-CF-SSP-18	62	1 <sup>st</sup> Floor, Class 211, Class- Sink 18 250 m	L 6:09						
		250 m	L						
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Relinquished by: M	Echal	ascasale Time: 2/2/20 Time: 13	OOAM						
Received by:		Chen C Date: 12-2-2e Time:	9:m						
Comments: A first draw sample (P) was taken at a drinking water fountain (DW) on the 3rd floor (003) outside of room 312 (312) and is the 15th outlet counted (015). DW= drinking water fountain. WB= Water Bottle Filler. CF= Classroom Sink Faucet. KF= Kitchen Faucet. BF= Bathroom Sink Faucet. NS= Nurse's Office Faucet. (8,100 Kec. Block March 1990)									
		Rel. Clen C 12-2-20 1546 12/2/20	154Kg						
96 Mc	orton S	it 8 <sup>th</sup> FL   New York   NY   10014   USA   Tel +1.212.612.7900							
			Page 9 of 9						



# **Technical Report**

prepared for:

WSP USA Solutions Inc. (New York, NY) 96 Morton Street, 8th Floor

New York NY, 10011 Attention: Joseph Kapp

Report Date: 01/22/2021 Client Project ID: 31402629.011.02.00 York Project (SDG) No.: 21A0569

TOIR TOJECT (ODC) NO.. 2

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE www.YORKLAB.com STRATFORD, CT 06615 (203) 325-1371 132-02 89th AVENUE FAX (203) 357-0166 RICHMOND HILL, NY 11418 ClientServices@yorklab.com

## Report Date: 01/22/2021 Client Project ID: 31402629.011.02.00 York Project (SDG) No.: 21A0569

#### WSP USA Solutions Inc. (New York, NY)

96 Morton Street, 8th Floor New York NY, 10011 Attention: Joseph Kapp

#### **Purpose and Results**

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on January 15, 2021 and listed below. The project was identified as your project: **31402629.011.02.00**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
21A0569-01	02-225-CF-SSP-01	<b>Drinking Water</b>	01/14/2021	01/15/2021
21A0569-02	02-Art-CF-SSP-08	<b>Drinking Water</b>	01/14/2021	01/15/2021

#### General Notes for York Project (SDG) No.: 21A0569

- 1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
- 2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
- 3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
- 4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
- 5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
- 6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
- 7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
- 8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

#### **Approved By:**

Benjamin Gulizia Laboratory Director **Date:** 01/22/2021





#### **Sample Information**

Client Sample ID:	02-225-CF-SSP-01								York Sample	<u>e ID:</u> 21.	A0569-01
York Project (SDG) N	Jo.	Client	Project ID	<u>)</u>		M	atrix	Colle	ection Date/Time	Date	e Received
21A0569		31402629.011.02.00 Drinking Water			January 14, 2021 7:11 am 01/1			01/15/2021			
Lead by EPA 200.8 Sample Prepared by Method:					<u>Log-in Notes:</u>		<u>San</u>	iple Note	<u>es:</u>		
CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Referenc	e Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1 Lead		6.15		ug/L	1.00	1	EPA 200.8 Certifications:	CTDOH,N	01/21/2021 11:42 NELAC-NY10854,NJD	01/21/2021 16:43 DEP,PADEP	BML
Sample Information											
<u>Client Sample ID:</u>	02-Art-CF-SSP-08								York Sample	<u>e ID:</u> 21.	A0569-02
York Project (SDG) N	<u>lo.</u>	Client	Project ID	<u>)</u>		M	<u>atrix</u>	Colle	ection Date/Time	Date	e Received
21A0569		3140262	9.011.02.0	00		Drinki	ng Water	January	14, 2021 7:14	am (	01/15/2021
Lead by EPA 200.8 Sample Prepared by Method:					<u>Log-in Notes:</u>		<u>San</u>	iple Note	<u>es:</u>		
CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Referenc	e Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1 Lead		3.60		ug/L	1.00	1	EPA 200.8 Certifications:	CTDOH,N	01/21/2021 11:42 NELAC-NY10854,NJD	01/21/2021 16:44 DEP,PADEP	BML





## **Analytical Batch Summary**

Batch ID: BA10972	Preparation Method:	EPA 200.8	Prepared By:	BML
YORK Sample ID	Client Sample ID	Preparation Date		
21A0569-01	02-225-CF-SSP-01	01/21/21		
21A0569-02	02-Art-CF-SSP-08	01/21/21		
BA10972-BLK1	Blank	01/21/21		
BA10972-BS1	LCS	01/21/21		



#### Metals by ICP/MS - Quality Control Data

#### York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA10972 - EPA 200.8											
Blank (BA10972-BLK1)							Prep	ared & Anal	yzed: 01/21/	2021	
Lead	ND	1.00	ug/L								
LCS (BA10972-BS1)							Prep	ared & Anal	yzed: 01/21/	2021	
Lead	52.7		ug/L	50.0		105	85-115				



#### Sample and Data Qualifiers Relating to This Work Order

#### **Definitions and Other Explanations**

- \* Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
- ND NOT DETECTED the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
- RL REPORTING LIMIT the minimum reportable value based upon the lowest point in the analyte calibration curve.
- LOQ LIMIT OF QUANTITATION the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
- LOD LIMIT OF DETECTION a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
- MDL METHOD DETECTION LIMIT a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
- Reported to This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
- NR Not reported
- RPD Relative Percent Difference
- Wet The data has been reported on an as-received (wet weight) basis
- Low Bias Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
- High Bias High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
- Non-Dir. Non-dir. flag (Non-Directional Bias ) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

132-02 89th AVENUE FAX (203) 357-0166 RICHMOND HILL, NY 11418 ClientServices



21A0569

### Lead (Pb) Chain of Custody

Client: Mahopac Central School District						
Location Sampled: Fulmer Road Elementary School						
Date: 1/14/2021 Address: 55 Fulmar Rd, Mahopac, NY 10541						
Report To (Name): Josep	h Kapp		Sample	d By: John Tagge	art	
Email Address: Joseph.	Kapp@	wsp.com; LB.LabResults@	wsp.com; A	lexander.Smolyar@wsp	.com	<u></u>
Project Number: 3140262	9.011.0	2.00		<u> </u>		
3 Hour 6 Ho	T	Turnaround Time (TA 24 Hour 48 Hour		lour / 120 Hour	1 Week	2 Week
3 Hour 6 Ho Drinking Water Preserv						
Sample ID	Lab ID		ple Descri	otion	Volume	Date/Time Sampled
Ex.		Floor, Room Name, Roo	m Number	, Type, Type Number	250 ml	
003-312-DW-SSP-015 02-225-CF-SSP-01	63	1 <sup>st</sup> Floor, Class 225, Sinł	(1		250 ml	. 7/1
02-Art-CF-SSP-08	64	1 <sup>st</sup> Floor, Art Room, Clas		nk 8	250 ml	
					250 ml	
	<u> </u>				250 ml	
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Relinquished by:	_	John Tayourt	Date:	1/15/21	Time: Yin	, _7
Received by:		anc	Date:	1-15-21	Time:	8 m
Comments: A first draw sample (P) was taken at a drinking water fountain (DW) on the 3rd floor (003) outside of room 312 (312) and is the 15th outlet counted (015). DW= drinking water fountain. WB= Water Bottle Filler. CF= Classroom Sink Faucet. KF= Kitchen Faucet. BF= Bathroom Sink Faucet. NS= Nurse's Office Faucet.						
KF= Kitchen Faucet. BF= Bathroom Sink Faucet. NS= Nurse's Office Faucet. 4,6°C 1516 <u>Fel. Cuin C 1-15-21-1516 Rec'd: J. Bala/York 1/15/21</u>						
<u> </u>		St 8 <sup>th</sup> FL   New York   N				7/13/2/ Page 8 of 8



### **APPENDIX B**

Laboratory ELAP Certifications



Expires 12:01 AM April 01, 2021 Issued April 01, 2020

#### CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. ROBERT Q. BRADLEY YORK ANALYTICAL LABORATORIES INC 120 RESEARCH DRIVE STRATFORD, CT 06615 NY Lab Id No: 10854

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards (2003) for the category ENVIRONMENTAL ANALYSES POTABLE WATER All approved analytes are listed below:

#### **Fuel Additives**

Methyl tert-butyl ether Naphthalene

#### Metals I

Arsenic, Total Barium, Total

Cadmium, Total

Chromium, Total

Copper, Total

Iron, Total Lead, Total Manganese, Total

Mercury, Total Selenium, Total Silver, Total

Zinc, Total

#### Metals II

Aluminum, Total Antimony, Total

#### Serial No.: 61203

EPA 524.2

EPA 524.2

EPA 200.8 Rev. 5.4 EPA 200.7 Rev. 4.4 EPA 200.8 Rev. 5.4 EPA 245.1 Rev. 3.0 EPA 200.8 Rev. 5.4 EPA 200.7 Rev. 4.4 EPA 200.8 Rev. 5.4 EPA 200.7 Rev. 4.4 EPA 200.8 Rev. 5.4

EPA 200.7 Rev. 4.4 EPA 200.8 Rev. 5.4

#### Metals II

Beryllium, Total

Molybdenum, Total Nickel, Total

Thallium, Total Vanadium, Total

#### Metals III

Calcium, Total Magnesium, Total Potassium, Total Sodium, Total

Miscellaneous Turbidity

Non-Metals

Alkalinity Calcium Hardness Chloride Color Fluoride, Total Orthophosphate (as P)

Solids, Total Dissolved

EPA 200.7 Rev. 4.4 EPA 200.8 Rev. 5.4 EPA 200.8 Rev. 5.4 EPA 200.7 Rev. 4.4 EPA 200.8 Rev. 5.4 EPA 200.8 Rev. 5.4 EPA 200.7 Rev. 4.4 EPA 200.8 Rev. 5.4

EPA 200.7 Rev. 4.4 EPA 200.7 Rev. 4.4 EPA 200.7 Rev. 4.4 EPA 200.7 Rev. 4.4

EPA 180.1 Rev. 2.0

SM 21-23 2320B (-97) EPA 200.7 Rev. 4.4 EPA 300.0 Rev. 2.1 SM 21-23 2120B (-01) EPA 300.0 Rev. 2.1 EPA 300.0 Rev. 2.1 SM 19, 21-23 4500-P E (-99) SM 21-23 2540C (-97)

RECOGNILE TNIL PORDITATION BOT



Expires 12:01 AM April 01, 2021 Issued April 01, 2020

#### CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. ROBERT Q. BRADLEY YORK ANALYTICAL LABORATORIES INC 120 RESEARCH DRIVE STRATFORD, CT 06615 NY Lab Id No: 10854

#### is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards (2003) for the category ENVIRONMENTAL ANALYSES POTABLE WATER All approved analytes are listed below:

Non-Metals		Volatile Aromatics	
Specific Conductance	EPA 120.1 Rev. 1982	p-Isopropyltoluene (P-Cymene)	EPA 524.2
Sulfate (as SO4)	EPA 300.0 Rev. 2.1	sec-Butylbenzene	EPA 524.2
Trihalomethanes		Styrene	EPA 524.2
Bromodichloromethane	EPA 524.2	tert-Butylbenzene	EPA 524.2
Bromoform	EPA 524.2	D Toluene min e mit	EPA 524.2
Chloroform	EPA 524.2	Total Xylenes	EPA 524.2
Dibromochloromethane	EPA 524.2	Volatile Halocarbons	
		1,1,1,2-Tetrachloroethane	EPA 524.2
Volatile Aromatics		1,1,1-Trichloroethane	EPA 524.2
1,2,3-Trichlorobenzene	EPA 524.2	1,1,2,2-Tetrachloroethane	EPA 524.2
1,2,4-Trichlorobenzene	EPA 524.2	1,1,2-Trichloroethane	EPA 524.2
1,2,4-Trimethylbenzene	EPA 524.2	1.1-Dichloroethane	EPA 524.2
1,2-Dichlorobenzene	EPA 524.2	1,1-Dichloroethene	EPA 524.2
1,3,5-Trimethylbenzene	EPA 524.2	1,1-Dichloropropene	EPA 524.2
1,3-Dichlorobenzene	EPA 524.2	VI 이 가 이렇는 1월 중에서 1월 24일 전 - 2 영향	
1,4-Dichlorobenzene	EPA 524.2	1,2,3-Trichloropropane	EPA 524.2
2-Chlorotoluene	EPA 524.2	1,2-Dichloroethane	EPA 524.2
4-Chlorotoluene	EPA 524.2	1,2-Dichloropropane	EPA 524.2
Benzene	EPA 524.2	1,3-Dichloropropane	EPA 524.2
Bromobenzene	EPA 524.2	2,2-Dichloropropane	EPA 524.2
Chlorobenzene	EPA 524.2	Bromochloromethane	EPA 524.2
Ethyl benzene	EPA 524.2	Bromomethane	EPA 524.2
Hexachlorobutadiene	EPA 524.2	Carbon tetrachloride	EPA 524.2
Isopropylbenzene	EPA 524.2	Chloroethane	EPA 524.2
	EPA 524.2	Chloromethane	EPA 524.2
n-Butylbenzene		cis-1,2-Dichloroethene	EPA 524.2
n-Propylbenzene	EPA 524.2	「文伝」「東京大人には彼	

#### Serial No.: 61203





Expires 12:01 AM April 01, 2021 Issued April 01, 2020

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. ROBERT Q. BRADLEY YORK ANALYTICAL LABORATORIES INC 120 RESEARCH DRIVE STRATFORD, CT 06615 NY Lab Id No: 10854

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards (2003) for the category ENVIRONMENTAL ANALYSES POTABLE WATER All approved analytes are listed below:

#### **Volatile Halocarbons**

cis-1,3-Dichloropropene	EPA 524.2
Dibromomethane	EPA 524.2
Dichlorodifluoromethane	EPA 524.2
Methylene chloride	EPA 524.2
Tetrachloroethene	EPA 524.2
trans-1,2-Dichloroethene	EPA 524.2
trans-1,3-Dichloropropene	EPA 524.2
Trichloroethene	EPA 524.2
Trichlorofluoromethane	EPA 524.2
Vinyl chloride	EPA 524.2

### Department of Health

#### Serial No.: 61203





Expires 12:01 AM April 01, 2021 Issued April 01, 2020 Revised June 24, 2020

#### CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

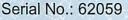
MR. PHILLIP M. WORBY EMSL ANALYTICAL INC 200 ROUTE 130 NORTH CINNAMINSON, NJ 08077 NY Lab Id No: 10872

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards (2003) for the category ENVIRONMENTAL ANALYSES POTABLE WATER All approved analytes are listed below:

Metals I

#### Bacteriology

Coliform, Total / E. coli (Qualitative)	SM 20, 21-23 9223B (-04) (Colilert)	Silver, Total	EPA 200.8 Rev. 5.4	
Heterotrophic Plate Count	SM 20, 21-23 9215B (-04)	Zinc, Total	EPA 200.7 Rev. 4.4	
Disinfection By-products			EPA 200.8 Rev. 5.4	
Bromide	EPA 300.0 Rev. 2.1	Metals II		
Fuel Additives	YORK D	CAluminum, Total	EPA 200.7 Rev. 4.4	
Methyl tert-butyl ether	EPA 524.2		EPA 200.8 Rev. 5.4	
Naphthalene	EPA 524.2	Antimony, Total	EPA 200.8 Rev. 5.4	
		Beryllium, Total	EPA 200.8 Rev. 5.4	
Metals I		Nickel, Total	EPA 200.7 Rev. 4.4	
Arsenic, Total	EPA 200.8 Rev. 5.4		EPA 200.8 Rev. 5.4	
Barium, Total	EPA 200.7 Rev. 4.4	Thallium, Total	EPA 200.8 Rev. 5.4	
	EPA 200.8 Rev. 5.4	Metals III		
Cadmium, Total	EPA 200.7 Rev. 4.4			
	EPA 200.8 Rev. 5.4	Calcium, Total	EPA 200.7 Rev. 4.4	
Chromium, Total	EPA 200.7 Rev. 4.4	Magnesium, Total	EPA 200.7 Rev. 4.4	
	EPA 200.8 Rev. 5.4	Potassium, Total	EPA 200.7 Rev. 4.4	
Copper, Total	EPA 200.7 Rev. 4.4	Sodium, Total	EPA 200.7 Rev. 4.4	
The file of the second	EPA 200.8 Rev. 5.4	Uranium (Mass)	EPA 200.8 Rev. 5.4	
Iron, Total	EPA 200.7 Rev. 4.4	Microextractables		
Lead, Total	EPA 200.8 Rev. 5.4	1,2,3-Trichloropropane, Low Level	EPA 504.1	
Manganese, Total	EPA 200.7 Rev. 4.4	1,2-Dibromo-3-chloropropane, Low Level	EPA 504.1	
	EPA 200.8 Rev. 5.4	1,2-Dibromoethane, Low Level	EPA 504.1	
Mercury, Total	EPA 245.1 Rev. 3.0	Miscellaneous		
Selenium, Total	EPA 200.8 Rev. 5.4	Asbestos	EPA 100.1	
Silver, Total	EPA 200.7 Rev. 4.4	Ashesing Action	- スタインシャーム - オ	
			EPA 100.2	







Expires 12:01 AM April 01, 2021 Issued April 01, 2020 Revised June 24, 2020

#### CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. PHILLIP M. WORBY EMSL ANALYTICAL INC 200 ROUTE 130 NORTH CINNAMINSON, NJ 08077

#### NY Lab Id No: 10872

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards (2003) for the category ENVIRONMENTAL ANALYSES POTABLE WATER All approved analytes are listed below:

#### Miscellaneous

Organic Carbon, Total Surfactant (MBAS) Turbidity

#### Non-Metals

Alkalinity Calcium Hardness Chloride Color Cyanide

Fluoride, Total Nitrate (as N) Nitrite (as N) Orthophosphate (as P) Silica, Dissolved Solids, Total Dissolved Specific Conductance Sulfate (as SO4)

#### **Radiological Analytes**

Gamma Emitters Gross Alpha Gross Beta Radium-226 Radium-228

#### SM 21-23 5310C (-00) SM 21-23 5540C (-00) SM 21-23 2130 B (-01) EPA 180.1 Rev. 2.0

SM 21-23 2320B (-97) EPA 200.7 Rev. 4.4 EPA 300.0 Rev. 2.1 SM 21-23 2120B (-01) SM 20, 21-23 4500-CN E SM 20, 21-23 4500-CN G EPA 300.0 Rev. 2.1 EPA 300.0 Rev. 2.1 EPA 300.0 Rev. 2.1 EPA 200.7 Rev. 4.4 SM 21-23 2540C (-97) SM 21-23 2510B (-97) EPA 300.0 Rev. 2.1

EPA 901.1 EPA 900.0 EPA 900.0 EPA 903.0 EPA 904.0

#### **Radiological Analytes**

	Radon	SM 20-22 7500-Rn B(-06)
	Tritium	EPA 906.0
	Uranium (Activity)	EPA 908.0
٦	Frihalomethanes	
	Bromodichloromethane	EPA 524.2
	Bromoform	EPA 524.2
	Chloroform	EPA 524.2
	Dibromochloromethane	EPA 524.2
1	/olatile Aromatics	
	1,2,3-Trichlorobenzene	EPA 524.2
	1,2,4-Trichlorobenzene	EPA 524.2
	1,2,4-Trimethylbenzene	EPA 524.2
	1,2-Dichlorobenzene	EPA 524.2
	1,3,5-Trimethylbenzene	EPA 524.2
	1,3-Dichlorobenzene	EPA 524.2
	1,4-Dichlorobenzene	EPA 524.2
	2-Chlorotoluene	EPA 524.2
	4-Chlorotoluene	EPA 524.2
	Benzene	EPA 524.2
	Bromobenzene	EPA 524.2
	Chlorobenzene	EPA 524.2
	Ethyl benzene	EPA 524.2
	Hexachlorobutadiene	EPA 524.2
	Isopropylbenzene	EPA 524.2
	n-Butylbenzene	EPA 524.2

#### Serial No.: 62059





Expires 12:01 AM April 01, 2021 Issued April 01, 2020 Revised June 24, 2020

#### CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. PHILLIP M. WORBY EMSL ANALYTICAL INC 200 ROUTE 130 NORTH CINNAMINSON, NJ 08077 NY Lab Id No: 10872

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards (2003) for the category ENVIRONMENTAL ANALYSES POTABLE WATER All approved analytes are listed below:

#### **Volatile Aromatics**

n-Pro	pylbenzene	EPA 524.2	
p-Iso	propyltoluene (P-Cymene)	EPA 524.2	
sec-B	lutylbenzene	EPA 524.2	
Styre	ne Jan Market Market Market	EPA 524.2	
tert-B	utylbenzene	EPA 524.2	
Tolue	ne	EPA 524.2	
Total	Xylenes	EPA 524.2	
Volatile	e Halocarbons		
1,1,1	2-Tetrachloroethane	EPA 524.2	
1,1,1	Trichloroethane	EPA 524.2	
1,1,2	2-Tetrachloroethane	EPA 524.2	
1,1,2	Trichloroethane	EPA 524.2	
1,1-D	ichloroethane	EPA 524.2	
1,1-D	ichloroethene	EPA 524.2	
1,1-D	ichloropropene	EPA 524.2	
1,2,3	-Trichloropropane	EPA 524.2	
1,2-D	ichloroethane	EPA 524.2	
1,2-D	ichloropropane	EPA 524.2	
1,3-D	ichloropropane	EPA 524.2	
2,2-D	ichloropropane	EPA 524.2	
Brom	ochloromethane	EPA 524.2	
Brom	omethane	EPA 524.2	
Carb	on tetrachloride	EPA 524.2	
Chlor	roethane	EPA 524.2	
Chlor	omethane	EPA 524.2	

#### **Volatile Halocarbons**

cis-1,2-Dichloroethene	EPA 524.2
cis-1,3-Dichloropropene	EPA 524.2
Dibromomethane	EPA 524.2
Dichlorodifluoromethane	EPA 524.2
Methylene chloride	EPA 524.2
Tetrachloroethene	EPA 524.2
trans-1,2-Dichloroethene	EPA 524.2
trans-1,3-Dichloropropene	EPA 524.2
Trichloroethene	EPA 524.2
Trichlorofluoromethane	EPA 524.2
Vinyl chloride	EPA 524.2

#### Serial No.: 62059





### **APPENDIX C**

NYS DOH Lead Testing in School Drinking Water 2020 Compliance Requirements and NYS DOH Frequently Asked Questions (FAQs)



# Lead Testing in School Drinking Water 2020 Compliance Requirements

Kim Evans, Bureau of Water Supply Protection Amanda St. Louis, Bureau of Environmental and Occupational Epidemiology Deanna Ripstein, Director of Strategic Priorities and Planning Center for Environmental Health

# Background

- On September 6, 2016, Governor Cuomo signed into law a bill passed by the New York State Legislature (<u>A10740/S8158</u>).
- The law requires the New York State Department of Health (Department) to develop regulations to require all public school districts and Boards of Cooperative Educational Services (BOCES) - collectively, "schools" to test all potable water outlets for lead contamination, and to take action if lead levels exceed 15 micrograms per deciliter.





# Regulation

- The Department established regulation to conform with the law - introduced as an emergency regulation, effective on September 6, 2016
- Title: Lead Testing in School Drinking Water 10 NYCRR Subpart 67-4 (Subpart 67-4)



• The final regulation was adopted on May 9, 2018



# Who Must Comply with Subpart 67-4?

- All NYS public school districts
  - Including those schools who are classified as a public water system (PWS)
- BOCES
- All buildings owned or leased by a public school

The regulation *does not apply* to:

- > private, charter, or Indian Nation schools
- daycare facilities





## "Lead-Free" Buildings

Any school building, facility, addition, or wing with internal plumbing that meets the new definition of "lead-free", as defined by Section 1417 of the Federal Safe Drinking Water Act, is exempt from sampling.

A building is deemed lead-free if:

- The building was built after January 4, 2014, OR -
- A NYS Professional Engineer or Architect certifies the building to be leadfree.

### Exemptions from sampling:

- Do not apply to individual outlets
- For an existing building, renovated wing (portion of a building), or an addition to a building to be exempt from sampling <u>all internal plumbing and service</u> <u>line connections must be "lead-free"</u>





# **Key elements of Subpart 67-4**

- Monitoring
- Response
- Public Notification
- Reporting
- Recordkeeping



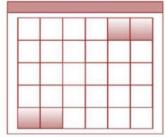


# Monitoring



# **Sampling Schedule**

- First round of testing in accordance with Subpart 67-4 was performed in 2016
- Next round to be performed in 2020 (NYC performing testing now)
- Every 5 years thereafter or at an earlier time as determined by the Commissioner of Health





## Compliance Year 2020 Second Round of Testing

Schools must complete *initial first-draw* sampling for Compliance Year 2020 between:

January 1, 2020 – December 31, 2020





# **Sampling Locations**

Outlets that should be sampled may be located anywhere on school property including external outlets (hose bibs) if the outlet may be used for drinking or cooking (including food preparation). Samples must be collected at all outlets used or potentially used for drinking or cooking, including but not limited to:

- bubblers/drinking fountains
- classroom sinks
- classroom combination sinks and drinking fountains
- kitchen sinks
- kitchen kettle filler outlets
- bathroom sinks
- family and consumer sciences room sinks
- teachers' lounge sinks
- nurse's office sinks
- athletic field outlets and any other sink known to be or potentially used for consumption (e.g., coffeemaker or cups are nearby).



## "Applicable" vs. "Non-applicable" outlets

Superintendents or their designees have the responsibility to identify which outlets on a school property meet the regulation requirements for sampling ("applicable outlets").

If a Superintendent or their designee determines that they have outlets that fall outside of the scope of the regulation (outlets not used or potentially used for drinking or cooking), the school must have a remedial action plan that includes details on how those outlets will <u>not</u> be accessed and/or utilized for drinking or cooking purposes ("non-applicable outlets").

## **Other Examples of "Applicable outlets"**

- **Food washing sinks:** Food washing faucets must be sampled as they are used for cooking (including food preparation) and potentially for drinking
- Ice machines: The ice made in an ice machine should be sampled for lead
- **Combination bottle fill station and drinking fountain:** A sample should be collected from both outlets. The Department recommends sampling the outlet that is most frequently used first
- Hand washing outlets: In general, all hand washing outlets in a bathroom should be sampled as bathroom outlets may be used to obtain water for drinking and/or food preparation. The Department recognizes that there are many different types of outlets in the bathroom that present challenges for sampling. Guidance has been developed to assist with sampling the various outlets. *This Guidance is coming soon.*
- **Foot level operated multi-outlet gang sink:** In general, samples should be collected from each outlet of a gang sink, however, if the gang sink design does not allow sample collection from each outlet, the schools should contact the local health department or the Department to discuss.
- **Traditional outlet with hot and cold water handle:** Samples must be collected from each outlet but only the cold water should be turned on for sampling



# "Non-applicable outlets"

## Rule of Thumb:

In general, any outlet in a room or office within a school that is not used by students (pre-kindergarten through grade 12) <u>and</u> does not provide water for drinking or cooking does not require sampling.



## **Examples of possible "Non-applicable outlets"**

- **Dishwashing sinks:** If an outlet is designated for dish washing only and involves no opportunity for drinking or cooking (including food preparation), the outlet does not require sampling
- **Bus garage:** Outlets in bus garage buildings do not require sampling for lead unless the building is occupied by students (e.g., BOCES classes)
- **Point of entry:** Samples from the point of entry are not required under Subpart 67-4. Point of entry is the location where water *enters* the building from the distribution system of a public water system
- Science/Art sinks: Typically, classrooms in these settings prohibit eating and/or drinking. The school Superintendent has the authority to determine whether these outlets may be used for drinking or cooking and whether they require sampling



## NEW Guidance Concerning Tempered Outlets "Non-applicable outlets"

### **Tempered Outlets:**

The Department and the US EPA recommend that hot or tempered water **not** be used for drinking or cooking as warm or hot water increase the leaching of lead into the water.

### Tempered outlets do not require sampling.

However, all tempered water outlets should be clearly posted with signs ("Do Not Drink" or equivalent), education should be provided to the students and staff to ensure awareness, and the remedial action plan should address, document, and describe continued management of the controls in place for these outlets.



# **Sample Collector Qualifications**

- Any individual who is familiar with the regulation and a "first-draw" sampling protocol may collect samples. This includes but is not limited to:
  - a school staff member,
  - a laboratory representative, or
  - a consultant.
- The individual collecting the sample must be able to maintain quality assurance and control over the sampling, and must ensure the chain of custody of the water samples is maintained.
- The school Superintendent or designee is ultimately responsible for ensuring that the samples are collected in accordance with Subpart 67-4.





# "First-draw" Samples

Any sample collected for compliance under Subpart 67-4 must be a "first-draw" sample.

### First-draw sample:

- A water sample collected from a cold water outlet before any water is used from that outlet
- Water must be motionless in pipes for a minimum of 8-hours and maximum of 18-hours before sample collection
  - This timeframe represents water that would be consumed during normal operating conditions on any school day.





# **Sampling Collection Guidance**

- Pre-stagnation flushing: The Department does not allow for prestagnation flushing prior to sampling unless a school is directed to do so by the Department or local health department
- Aerators: Aerators should not be removed prior to sampling
- Required sample volume = 250 milliliters (mL)
  - Department recommends using wide mouth 250 mL plastic containers
  - Ensure laboratory is aware of sample volume
  - Note: This sample volume differs from the 1 liter requirement under the Lead and Copper Rule (LCR)



## **Environmental Laboratory Qualifications**

- Samples must be analyzed by a laboratory that is approved to perform lead testing of drinking water samples by the Department's Environmental Laboratory Approval Program (ELAP)
- A listing of approved laboratories can be found at: <u>http://www.wadsworth.org/regulatory/elap/certified-labs</u>

To find a laboratory, select the following criteria to narrow your search:

- For lab type: select "commercial"
- For matrix: select "potable water"
- For analyte: select "lead, total"



# Interpreting Results



# Lead Action Level

The action level for lead in school drinking water is 15 micrograms per liter or parts per billion (ppb).

- Take Action
- Lead test results ≤ 15 ppb do *not* exceed the lead action level, and therefore do not require further testing or remediation.
- Lead test results > 15 ppb (i.e., 15.1 ppb, or greater) exceeds the lead action level and requires the outlet to be taken out of service and a remediation action plan be implemented.



# **Can Sample Results be Invalidated?**

All lead test results *regardless of circumstances* must be reported on the school's website and to the Department, the NY State Education Department, and the local health department using the Department's HERDS application on the Health Commerce System (HCS). *(Additional reporting requirements are covered in next section)* 

If a sample result is suspected to be erroneous, a complete explanation of the circumstance should be retained with other related records in the central repository at the school. In such cases, schools should retest the specific outlet(s) to determine the level of lead in water.



# Response and Corrective Actions



## **Steps following an Action Level Exceedance**

### Immediate Response

- Prohibit the use of the outlet immediately (take outlet out of service or turn off) until:
  - (1) A lead remedial action plan is implemented to mitigate the lead level at the outlet, and
  - (2) Post-remediation test results indicate that the lead levels are at or below the action level;
- Provide building occupants with an adequate supply of water for drinking and cooking until remediation is performed;
- Report the test results to the local health department as soon as practicable, but no more than 1 business day after the school received the laboratory report;
- Notify all staff and all persons in parental relation to students of the test results, in writing, as soon as practicable but no more than 10 business days after the school received the laboratory report.

### If an outlet tested above the "action level", can it still be used for cleaning and handwashing?

- Yes
- Signage must be placed at such outlets stating that the water should not be used for drinking (only handwashing and cleaning)
- Pictures should be used if there are small children using the water outlets, and staff should ensure the children understand what the signs mean and monitor the outlets to ensure they are not used for drinking





## **Corrective Actions / Remediation Options**

- Permanent removal of an outlet
- Outlet replacement with "lead-free" plumbing materials
- Pipe replacement with "lead-free" plumbing materials
- Remove other sources of lead (lead pipe, lead solder joints, and brass plumbing components with "lead-free" materials)
- Flushing (systematic flushing program)
- Point of Use (POU) Filters\*
- Supervision
- Engineering controls
- Education
- Signage



## **Corrective Actions / Remediation Options**

Signage











## **Post-Remediation Testing**

- Follow-up samples collected after an outlet has been remediated must also be "firstdraw" samples. Schools may choose to perform additional sampling (i.e., 30-second flush, etc.) to determine the contribution of lead from plumbing to guide remediation decisions.
- Only those outlets that exceed the action level need to be resampled (following remediation).
- All remediated outlets will likely require flushing prior to being placed back into service.
- Post-remediation tests results need to be reported:
  - in the Department's HERDS application on HCS, and
  - on the school's website within the same reporting timeframes/requirements as specified for the initial sampling (addressed in next section).

## **Public Notification**



## **Public Notification Requirements**

- Within 1 business day of receipt of laboratory reports:
  - Report any and all exceedances (lead result greater than 15 ppb) to the local health department

### • Within 10 business days of receipt of laboratory reports:

- ✓ Report all exceedances to all staff, parents, and guardians in writing.
- Report test results (including post-remediation results) in the Department's electronic reporting system, HERDS accessed through HCS. This information is posted on the Department's website for the public

### • Within 6 weeks of receipt of laboratory reports:

- ✓ Post numeric test results of all lead testing and information about remediation actions taken to address outlets where lead exceeded the action level on the school's website. This should remain posted on the school's website for the duration of the compliance period (i.e. 2020-2024)
- Report any lead-free buildings on the school's website





## Public Notification Requirements (continued)

### • Within 6 weeks of receipt of laboratory reports:

 Post numeric test results of all lead testing and information about remediation actions taken to address outlets where lead exceeded the action level on the school's website. This should remain posted on the school's website for the duration of the compliance period (i.e. 2020-2024)

Required per Section 67-4.5(b)(1) "The school shall make available, on the school's website, the results of all lead testing performed and lead remediation plans implemented pursuant to this Subpart, as soon as practicable, but no more than 6 weeks after the school received the laboratory reports."

 The Department has created a template to assist schools with reporting the pertinent result information on their website.



## Example of Website Posting

(Template to be released in Guidance)

School Name: F	lementary School A	BC					date last update	<i>u</i> .
Lab ELAP id#: 7	Method of analysis: EPA Method 200.7							
Lab ID#	School sample id	collection date	Sample location	Outlet description	Initial/post remediation	Lead result ug/L (ppb)	lab report receipt date	Action Taken
A-1EnvLab	001	1/15/2020	Room 104	cold water outlet	initial	6	1/29/2020	nia
A-1EnvLab	002	1/15/2020	Gym	drinking fountain	initial	9	1/29/2020	n/a
A-1EnvLab	003	1/25/2020	Kitchen food prep sink	cold water outlet	post remediation	LT 1.0	2/10/2020	replaced
	-							



## Electronic Reporting



## **Electronic Reporting in HCS/HERDS**

- ✓ Within 10 business days of receipt of laboratory reports: Summary data must be reported in the Department's electronic reporting system, HERDS accessed through HCS. Summary data includes:
  - General information (lead-free status, website address)
  - Sampling information
  - Lead analysis results
  - Response and remediation

Do not submit laboratory reports directly to the Department or local health department unless otherwise directed.





## New and *Improved* HERDS Reporting Format for 2020

- One form for each building (no longer 3 forms!)
- Simplified format

# Note: The 2020 reporting form will not be accessible until January 1<sup>st</sup> 2020.



## HCS/HERDS Access - for School Lead in Drinking Water Reporters

- 1. Have an HCS Account
  - 1. To register:
    - 1. Internet search engine: 'NYS HCS' and click the link
    - 2. Click Create an HCS Account
    - 3. Follow the prompts to create an account
    - 4. Print the confirmation email and bring to your HCS Coordinator who must finalize your account
    - 5. Sign into HCS to verify access
- Be assigned the School Lead in Drinking Water
   Reporter role by an HCS Coordinator for each building they are to report under

## How to look up your HCS Coordinator

### If you have an HCS Account:

- Sign into <u>HCS</u>
- Click 'My Content'
- Click 'Look up My Coordinators'
  - You'll see each HCS Coordinator's name, phone, and email in a table. Any of those individuals can assist you.

### If you do not have an HCS Account:

- Ask a colleague with HCS access
  - they can sign into HCS and follow the steps above
- Call Commerce Accounts Management Unit ((CAMU) 1-866-529-1890 option 1)
- Call your<u>LHD</u>, or
- Email the <u>Department</u> for a list of your school's HCS Coordinators.

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		See what roles I h	nold				



## New and *Improved* HERDS Reporting Format for 2020

**Live Demo** 



## Recordkeeping



## **Recordkeeping Requirements**

- Schools must retain all records of:
  - Test results
  - Remedial action plans
  - Determinations that a building is lead-free; and
  - Waiver requests (only applicable to compliance year 2016)



- Per Subpart 67-4, schools must retain records for 10 years following document creation (Note: other agencies may have additional records retention requirements, i.e., NYS Department of Labor)
- Copies of documents must be provided to the Department, the NY State Education Department, or the local health department upon request
- Department recommends that all records be kept in a centrally located and accessible repository for each school building

## Claims and Reimbursement



## NY State Education Department Reimbursement

- For testing costs only, pursuant to Education Law 3602 (6-h.), claims may be submitted for State Aid using Form FB Schedule W (similar to 2016). These claims may be submitted for expenditures in the 2019-20 school year and every year thereafter.
- No remediation costs may be claimed for building aid on Form FB Schedule W.
- <u>Remediation costs</u> may be eligible for building aid reimbursement. The scope would need to qualify as approved capital construction and claimed as such pursuant to Education Law 3602(6.).
- Claims for the Lead Testing in School Drinking Water program are not reimbursed as part of the Building Condition Survey.



(Information provided by NYS Education Department)

## Enforcement



## Enforcement

- Upon reasonable notice to a school, an employee of the Department or the local health department may enter any building for the purpose of determining compliance with Subpart 67-4.
- If a school does not comply with the Subpart 67-4, the Department or the local health department may take any action authorized by law.





## Best Management Practices



### Best Management Practices to Reduce Lead in Drinking Water

- Aerator cleaning
- Routine flushing practices (after vacations and long weekends)
- Use only certified lead-free materials when performing plumbing work
- Follow the manufacturer's recommendations for water softener settings to ensure an appropriate level of hardness
- Temperature control
- Educating staff and students of the benefits of running water at a tap briefly prior to using it for drinking or food preparation. Letting the water run for 30-60 seconds or until the water feels cold can reduce the potential levels of lead in the drinking water



## **Next Steps**



## **Next Steps**

- Release of updated Guidance, to be posted at: <u>https://www.health.ny.gov/environmental/water/drinking/lead/lead\_testing\_of\_school\_drinking\_water.htm</u>
- Perform lead testing between January 1 and December 31, 2020
- Enter data in HERDS within 10 days of receipt of laboratory results



## **Questions?**

### Contact us:

Email:<u>lead.in.school.drinking.</u> water@health.ny.gov

Phone: 518-402-7650



### FREQUENTLY ASKED QUESTIONS For School Buildings and Grounds Personnel Lead in NYS School Drinking Water

November 1, 2016

#### **Background**

The "on-again, off-again" nature of water use at most schools can raise lead levels in school drinking water. Water that remains in pipes overnight, over a weekend, or over vacation periods stays in contact with lead pipes or lead solder and could contain higher levels of lead. It is important to identify and address elevated levels of lead in drinking water in schools as part of reducing a child's overall exposure to lead in the environment.

#### **General Information**

#### REVISED

#### 1. What is the new lead testing in school drinking water legislation?

The New York State Legislature recently passed a bill (<u>A10740/S8158</u>) which requires the Department to develop regulations to require all school districts and boards of cooperative educational services (BOCES)—collectively, "schools"—to test all potable water outlets for lead contamination, and to take responsive actions. Governor Cuomo signed the proposed legislation, and the DOH adopted emergency regulations, titled *Lead Testing in School Drinking Water* -10 NYCRR Subpart 67-4 (Subpart 67-4), on September 6, 2016. The legislation includes all buildings owned or leased by a school.

#### 2. Where can I find the regulations?

The regulation can be found at: <u>http://health.ny.gov/regulations/emergency/docs/2016-09-06\_lead\_testing\_in\_school\_drinking\_water.pdf</u>.

#### REVISED

### 3. Are private, charter, or Indian nation schools required to conduct lead testing under this regulation?

No. Only NYS schools districts and boards of cooperative educational services (BOCES) are required to test for lead under this regulation. Note: The regulation includes all buildings owned or leased by a school.

#### Monitoring

#### 4. Where must samples be collected?

Samples must be collected at all outlets within the school. An outlet is a potable water fixture currently or potentially used for drinking or cooking purposes, including but not limited to bubblers, drinking fountains and faucets. Faucets may be located anywhere on school property where drinking water is currently or potentially obtained, including but not limited to the athletic field.

#### 5. What are the acceptable types of laboratory containers for collecting samples?

The required sample volume for analysis of lead in school drinking water is 250 milliliters (mL). DOH recommends wide mouth 250 ml containers. New York State Environmental Laboratory Approval Program (ELAP) certified laboratories have been notified of the 250 mL container requirement and should supply the correct sampling containers. Note: Nitric acid is added to lead sample bottles by the lab as a sample preservative. As a safety precaution, due to the potential for accidental contact with the nitric acid which could burn skin and clothing, schools may request their contract lab send out bottles without the nitric acid preservative. The lab will add the nitric acid upon receipt of the samples in the laboratory. Schools will need to discuss this option with their lab in advance of the bottles being shipped.

#### **NEW**

### 6. Are samples collected prior to September 6, 2016, using 1-liter bottles, acceptable under Subpart 67-4?

No. Samples collected using 1-liter sample bottles will not be accepted.

#### NEW

7. Does a school need to sample outlets that <u>are not</u> used (or potentially used) for drinking or cooking purposes?

If the school has evaluated and determined that an outlet is not currently or potentially used for cooking or drinking purposes, then sampling is not required under Subpart 67-4.

#### **NEW**

#### 8. Should aerators be removed before collecting samples?

Aerators should be left in place.

#### NEW

#### 9. Is a point of entry sample a requirement in Subpart 67-4?

No, point of entry samples are not required under Subpart 67-4.

#### **NEW**

10. What is the proper sampling protocol for collecting samples from ice machines? Which bottles should be used?

Refer to the USEPA 3T's sample collection procedures, exhibit 4.7, initial screening sample 1E. <u>https://www.epa.gov/sites/production/files/2015-</u>09/documents/toolkit\_leadschools\_guide\_3ts\_leadschools.pdf

The required sampling container size is a 250 ml bottle. Wide mouth bottles are recommended.

#### **NEW**

### 11. Should a foot lever operated multi-outlet gang sink in a school bathroom be sampled? Is one sample from one outlet representative of all outlets on the gang sink?

All fixtures that are currently or potentially used for cooking or drinking should be sampled. Representative sampling or composite sampling are not allowed. Note: The school is responsible for determining if an outlet is currently or potentially used for cooking or drinking. NEW

#### 12. What is the protocol for collecting samples from fixtures that are tempered?

All outlets that are currently or potentially used for cooking or drinking purposes should be evaluated/sampled pursuant to a normal operating conditions scenario. Please refer to The Department's Recommended Sampling Instructions for Lead Testing in School Drinking Water. http://www.health.ny.gov/environmental/water/drinking/lead/docs/sampling\_instructions\_10\_04\_16.pdf

#### NEW

13. The Department recently updated its guidance regarding tempered outlets to reflect the outlet being monitored under normal operations, and stated that hot water feeds should not be turned off. What should a school do if they have already collected a sample from a tempered fixture with the hot water feed turned off?

The Department does not recommend turning off hot water feeds. The school is not required to resample unless directed by the Department or local health department. All future monitoring must follow the most current sampling protocols.

#### NEW

14. Should drinking fountains with bottle fills be sampled from both the fill and from the fountain portion? If so does it matter which is collected first?

Both fixtures should be sampled if they are used or have the potential to be used for drinking or cooking purposes. The Department recommends sampling the outlet that is most frequently used first.

#### 15. Who can collect the samples?

Any individual who is familiar with the regulation's "first-draw" sampling protocol may collect samples. This includes but is not limited to a school staff member, a laboratory representative, or a consultant. The individual collecting the sample must be able to maintain quality assurance and control over the sampling, and must ensure the chain of custody of the water samples is maintained. However, the school is ultimately responsible for ensuring that the samples are correctly taken.

#### 16. What it is a "first-draw" sample?

A "first-draw" sample is a water sample that is collected from an outlet before any water is used from that outlet. The water shall be motionless in the pipes for a minimum of 8 hours, but not more than 18 hours, before sample collection. The required sample volume for analysis of lead in school drinking water sample is 250 milliliters (mL).

#### 17. What does the "water must be motionless" mean?

The water in the school facility must remain motionless in the plumbing for a minimum of 8 hours but no more than 18 hours. During this time period, no water can be used in the facility. This includes non-drinking water outlets, janitorial sinks, toilets, outside hoses and irrigation systems (unless the irrigation system is served by its own service line). This amount of time was established to ensure that the collected samples are representative of water that typically a student or faculty member may consume. Sampling should be conducted to reflect normal school operating conditions.

#### 18. Can sample collection be done in stages (i.e. on different days)?

Yes. Samples can be collected in stages as long as sampling is conducted in compliance with Subpart 67-4 and within the compliance dates.

#### NEW

#### 19. Is pre-stagnation flushing allowed prior to sampling?

The Department does not recommend pre-stagnation flushing prior to sampling unless they are directed to do so by the State or Local Health Department

#### 20. When does a school need to complete initial first-draw sampling?

By September 30, 2016, for any school serving children in any of the levels prekindergarten through grade five.

By October 31, 2016, for any school serving children in any of the levels grades six through twelve that are not also serving students in any of the levels prekindergarten through grade five.

Prior to occupancy for buildings put into service after September 6, 2016.

If your school performed sampling prior to September 6, 2016, please refer to FAQ #51.

#### NEW

21. My school sampled outlets before September 6, 2016, in accordance with United States Environmental Protection Agency's (USEPA) 3Ts program, but did not include outlets that were considered as not water consumptive, such as bathroom sinks.

All outlets used or potentially used for drinking or cooking purposes must be sampled as outlined in Subpart 67-4. Therefore, any samples that were omitted but required to be tested under Subpart 67-4 must **be sampled**.

For samples taken before September 6, 2016, the school should consult with their local health department to determine if the sampling conducted was in full or substantial compliance with Subpart 67-4. If the sampling was conducted in full compliance with the regulation, only the omitted outlets are required to be sampled. If some outlets were sampled in substantial compliance with the regulation, the school may apply for a waiver for those outlets, but must sample the omitted outlets.

#### 22. Does Subpart 67-4 require schools to test for any other substances?

No. Only testing for lead is required of schools under this regulation.

#### 23. After initial monitoring is complete, will there be periodic monitoring?

Yes. Schools must collect first-draw samples again in 2020, or at an earlier time as determined by the State Commissioner of Health. Sampling will be required at least every five years thereafter.

#### Laboratory Analysis

#### 24. Who can analyze the samples?

All drinking water samples must be analyzed by an environmental laboratory certified by the Department's Environmental Laboratory Approval Program (ELAP) to conduct lead in drinking water analysis.

#### 25. Where can we find a list of New York certified laboratories?

A listing of approved laboratories can be found at: <u>http://www.wadsworth.org/regulatory/elap/certified-labs</u> Once you click the above link, click on the following drop down boxes to narrow your search: For lab type – select on commercial For matrix – select potable water For analyte – select lead, total

#### **NEW**

### 26. Is there a process for sample invalidation, if a school believes the test result is erroneous?

There is no process for sample invalidation. All lead results regardless of circumstances must be reported on the HERDS application on the Health Commerce System (HCS). The HCS link is: <u>https://commerce.health.state.ny.us</u>. A complete explanation of the circumstance should accompany the reporting of the initial and repeat sampling demonstrating the reduction in lead concentration at the outlet.

#### "Lead-free" plumbing in School Buildings

#### REVISED

#### 27. Is sampling required for school buildings that are "lead-free"?

Any school building with internal plumbing that meets the new definition of "lead-free," as defined by 1417 of the Federal Safe Drinking Water Act, is exempt from sampling. A building can be deemed lead-free if: (1) it was built after January 4, 2014; or (2) a New York State Professional Engineer or Architect certifies the building to be lead-free.

Note that schools must report their list of lead-free buildings on the schools website by October 31, 2016.

By November 11, 2016, schools must report a list of lead-free building using the Department's designated statewide electronic reporting system (SERS).

#### **NEW**

28. Significant renovations were made within our schools. During the renovations most of the fountains and faucets were replaced. If the school can demonstrate that these outlets are "lead free" according to the federal regulations is the school exempt from testing those outlets?

Subpart 67-4.2 (b) exempts buildings with plumbing materials that are lead free as defined in section 1417 of the Federal Safe Drinking Water Act. To qualify for an exemption, all outlets must be lead-free. Exemptions cannot be granted for individual outlets.

#### <u>Response</u>

#### NEW

#### 29. What is the "action level" for lead in school drinking water under Subpart 67-4?

The action level for lead in school drinking water is 15 micrograms per liter (mcg/L) or parts per billion (ppb). That is also equivalent to 0.015 milligrams per liter (mg/L) or parts per million (ppm). For the purposes of interpreting analytical laboratory results relative to what constitutes a lead action level exceedance under the Lead Testing in School Drinking Water regulation, the following guidance is provided:

- Lead results reported by the laboratory that are to be equal to, or less than, 15 micrograms per liter (≤ 15) does not constitute a lead action level exceedance, and therefore does not require further testing or remediation.
- Lead results reported by the laboratory that are greater than 15 micrograms per liter (i.e. 15.1 micrograms per liter, or greater) exceeds the lead action level and therefore requires the outlet to be taken out of service and a remediation plan to be implemented.

### 30. If the lead concentration of water at an outlet exceeds the action level under Subpart 67-4, what does the school need to do?

If the lead concentration of water at an outlet exceeds the action level, the school must:

- prohibit use of the outlet (take out of service or turn off) until:
  - (1) A lead remediation plan is implemented to mitigate the lead level of such outlet;
  - (2) Test results indicate that the lead levels are at or below the action level;
- provide building occupants with an adequate supply of potable water for drinking and cooking until remediation is performed;
- report the test results to the local health department as soon as practicable, but no more than 1 business day after the school received the laboratory report; and
- notify all staff and all persons in parental relation to students of the test results, in writing, as soon as practicable but no more than 10 business days after the school received the laboratory report; and, for results of tests performed prior to the effective date of this Subpart, within 10 business days of this regulation's effective date, unless such written notification has already occurred.

#### NEW

### 31. What is the required follow up testing protocol for samples above the action level? First-draw or flush-draw?

Initial and follow-up samples collected after an outlet has been remediated must be a first-draw sample, as required by Subpart 67-4 for compliance purposes. Additional sampling (i.e 30-second flush, etc.) may be conducted to determine the plumbing contribution to lead in drinking water test result.

### *NEW* 32. Does the entire building need to be re-sampled for post-remediation testing, or only those outlets that exceeded the action level?

Only those outlets that exceed the action level need to be resampled following remediation. In accordance with Subpart 67-4, if the lead concentration of water at an individual outlet exceeds the action level, the school must prohibit use of the outlet (take out of service or turn off) until:

(1) A lead remediation plan is implemented to mitigate the lead level of such outlet; and

(2) Test results indicate that the lead levels are at or below the action level.

### 33. If an outlet has tested above the action level, can the water still be used for cleaning and handwashing?

Yes. The water can be used for handwashing and cleaning. Lead is not absorbed through the skin. Signage should be placed at non-drinking water outlets stating that water should not be used for drinking; only handwashing and cleaning. Pictures should be used if there are small children using the water outlets, and staff should ensure they understand what the signs mean and monitor to ensure that they don't drink the water. Example signage can be found on the department's website at:

http://www.health.ny.gov/environmental/water/drinking/lead/lead\_testing\_of\_school\_drinking\_water.htm

#### NEW

### 34. Can posting signs be used as a permanent measure for outlets that exceed an action level, rather than taking the outlet out of service?

Signage used at outlets are considered to be a temporary measure and cannot be used as a permanent measure.

#### NEW

#### 35. Can an outlet be removed from service permanently if determined unnecessary?

Yes. The school is still required to meet SED's requirements for access to potable water. To ensure an outlet is permanently taken out of service the department recommends removing the fixture and/or capping the supply lines before the fixture

#### NEW

### 36. Will the Department be providing sample signage for schools to post, e.g., indicating that an outlet is not for drinking use, or is for hand washing only?

Example signage is posted on the Department website at: <u>http://www.health.ny.gov/environmental/water/drinking/lead/lead\_testing\_of\_school\_drinking\_w</u><u>ater.htm</u>.

#### NEW

#### 37. Is the school required to post signage on non-potable water outlets?

There is no requirement to post signage on non-potable outlets in Subpart 67-4. However, if the school deems that an outlet is non-potable it may be prudent to label those outlets as non-potable.

#### Public Notification to School Community

#### 38. What are a school's public notification requirements?

Schools must list on their website:

- Any lead-free buildings by October 31, 2016.
- The results of all lead testing performed and lead remediation plans implemented as soon as practicable, but no more than 6 weeks after the school received the laboratory reports
- For schools that received lead testing results and implemented lead remediation plans in a manner consistent with the regulation, prior to September 6, 2016, the school shall

make available such information on the school's website, as soon as practicable, or before October 18, 2016.

#### NEW

#### 39. What level of detail is required when posting lab results on the school's website?

Schools are encouraged to publish as much detail as possible but at a minimum, should include the sampling location (i.e. building, room, outlet, etc.) and the lead result(s). Public notification guidance can be found in the USEPA 3Ts under section III, "Telling" at: https://www.epa.gov/sites/production/files/2015-09/documents/toolkit leadschools guide 3ts leadschools.pdf

#### **NEW**

40. If a district tests an outlet that was not defined within the regulation as requiring testing and the results are above the action level, is there still a required reporting process for this outlet?

Although the posting of information regarding outlets not defined in Subpart 67-4 is not required. schools are encouraged to provide as much information as possible regarding lead testing in their schools on their website.

#### NEW

#### 41. Will the Department be providing any suggested or required language to be included with the public notification for a lead action level exceedance?

Language for public notification as well as an example that schools can use is available in subsection 6.7 of the USEPA 3T's Guidance document. See: https://www.epa.gov/sites/production/files/2015-

09/documents/toolkit leadschools guide 3ts leadschools.pdf

Additional resources will be posted on the Department's website when available.

#### **NEW**

42. Subpart 67-4 requires schools to notify staff and persons in parental relation to students, in writing, when an outlet exceeds the action level, no more than 10 days after the school receives the lab report. Does posting a notice on the school website or through social media count as written notification?

No. Posting on the school website or through social media does not count as written notification. Physical written notification must be distributed to all staff and persons in parental relation to the child, not just those that the school believes where exposed to a particular outlet.

#### NEW

#### 43. How long do schools need to post testing results on their websites?

Schools should maintain the most recent lead testing results on their website.

#### Reporting Requirements to: the Department, Local Health Departments and the State **Education Department**

#### 44. What are a school's general reporting requirements?

Schools must report using DOH's statewide electronic reporting system:

- As soon as practicable, but no later than November 11, 2016:
  - completion of all required first-draw sampling;

- a list of all buildings that are determined to have lead-free plumbing, as defined in section 1417 of the Federal Safe Drinking Water Act.
- for any outlets that were tested prior to September 6, 2016, and for which the school wishes to assert that such testing was in substantial compliance with Subpart 67-4, an attestation that:
  - the school conducted testing that substantially complied with the testing requirements, consistent with guidance issued by the DOH;
  - any needed remediation, including re-testing, has been performed;
  - the lead level in the potable water of the applicable building(s) is currently below the action level; and
  - the school has submitted a waiver request to the local health department, in accordance with the regulation; and
- As soon as practicable, but no more than 10 business days after the school received the laboratory reports, the school shall report data relating to test results to the Department, local health department, and State Education Department, through the Department's designated statewide electronic reporting system.

#### NEW

### 45. How does a school report their data in the Statewide Electronic Reporting System (SERS)?

Please view the Department and SED webinar/presentation on HERDS at: <u>http://www.health.ny.gov/environmental/water/drinking/lead/lead\_testing\_of\_school\_drinking\_water.htm</u>.

For more information on obtaining access to Health Commerce System (HCS) log-in, call 1-866-529-1890 or contact your local school HCS coordinator.

#### NEW

#### 46. For HERDS data base related questions:

Questions regarding access to HCS log-in – Direct the caller to CAMU at 1-866-529-1890 or their local school HCS coordinator.

If CAMU or the school's HCS coordinator could not provide the needed assistance – please submit questions to <u>lead.in.school.drinking.water@health.ny.gov</u>

If it is a survey related question that cannot be answered by the Q&A, contact your local health department – <u>https://www.health.ny.gov/prevention/prevention\_agenda/contact\_list.htm</u>

#### 47. What are a school's recordkeeping requirements?

The school shall retain all records of test results, lead remediation plans, determinations that a building's plumbing is lead-free, and any waiver requests for ten years following the creation of such documentation. Copies of such documentation shall be immediately provided to the Department, local health department, or State Education Department upon request.

#### <u>Waivers</u>

#### NEW

48. What are the criteria the local and State Health Departments will use to issue a waiver for "substantial" compliance?

Waivers may be considered for:

- Prior to sampling, the water in the facility was motionless between 6 hours and 72 hours (rather than between 8 and 18).
- Sample volume less than 250 ml.

#### Waivers will not be considered for:

- Failure to sample all "outlets," as defined in the regulation.
- Any sample size greater than 250mL.
- Lab testing was not performed by an ELAP-certified testing lab.
- <u>Any</u> test results exceeding 15 micrograms per liter.
- Water had been used within the building less than 6 hours prior to sampling.

The Department will consider other circumstances on a case-by-case basis.

#### **NEW**

#### 49. Are waivers available for testing performed after September 6, 2016?

No. Waivers are not available for samples collected after September 6, 2016.

### 50. What is the process for applying for a waiver? Is there a standard format that schools should be using?

To apply for a waiver, schools should first contact their local health department (LHD) to determine whether the sampling performed fully complies with Subpart 67-4. If it does fully comply, no waiver is required. Contact information for the LHD can be found at: <a href="http://health.ny.gov/environmental/water/drinking/doh\_pub\_contacts\_map.htm">http://health.ny.gov/environmental/water/drinking/doh\_pub\_contacts\_map.htm</a>

If a waiver is needed, the LHD will review the waiver request and, if approval is recommended, provide a recommendation to the Department. The LHD will advise the school as to whether the waiver request was approved or denied and the next steps required.

See the policy/procedure for applying for a waiver at: <a href="http://www.health.ny.gov/environmental/water/drinking/lead/docs/waiver\_protocols\_9-27-16.pdf">http://www.health.ny.gov/environmental/water/drinking/lead/docs/waiver\_protocols\_9-27-16.pdf</a>

#### 51. My school tested outlets prior to September 6, 2016. Are those results acceptable?

First-draw sampling conducted consistent with the requirements in Subpart 67-4 that occurred after January 1, 2015 will satisfy the initial first-draw sampling requirement.

If the sampling was conducted prior to September 6, 2016 and was not consistent with Subpart 67-4, but was in substantial compliance with the regulation, the school can apply for a waiver from the testing requirements in Subpart 67-4. More information about the waiver process will be forthcoming.

#### NEW

#### 52. Are waivers granted for individual outlets?

No. Waivers will be granted for specific buildings. Waivers will not be granted for individual outlets, or for an entire district.

#### Lead in Schools and Lead and Copper Rule (LCR) for Public Water Systems (PWS)

#### 53. What is the lead action level under the LCR for PWSs?

Under the federal LCR, the EPA also established an action level 15 mcg/L (micrograms per liter), which may also be expressed as 15 parts per billion (ppb), for lead in drinking water <u>for public</u> <u>water supplies</u>. The EPA's action level for the LCR, which as the same as DOH's action level under Subpart 67-4, serves as an indicator of the effectiveness of corrosion control treatment throughout the drinking water distribution system.

### 54. If my school has its own PWS and performs monitoring as part of the LCR, does the school need to do additional monitoring under Subpart 67-4?

Yes. Schools with their own PWS are required to comply with the requirements of the LCR as well as with Subpart 67-4, Lead Testing in School Drinking Water regulations.

### 55. If a school has its own PWS and took responsive actions after an exceedance of the action level under the LCR, is it still obligated to comply with Subpart 67-4?

Yes. The LCR and the NYS Lead in School Drinking Water regulations are two distinct and separate regulatory programs. Schools that are also designated as a PWS must also comply with Subpart 67-4.

#### NEW

56. Our school is a PWS and conducts Lead testing under the LCR. Should the school report LCR testing results when it submits reports to the Department Statewide Electronic Reporting System pursuant to Subpart 67-4?

No. The LCR is a separate program, and LCR results should be reported in the usual manner.

#### **Remediation**

#### NEW

#### 57. Where can I find guidance on remediation strategies?

Information on remediation strategies can be found in the USEPA 3T's Guidance document. <u>https://www.epa.gov/sites/production/files/2015-</u>09/documents/toolkit\_leadschools\_guide\_3ts\_leadschools.pdf

Note: The school is responsible for obtaining professional services to achieve remediation.

#### **NEW**

58. Schools have been informed by plumbing manufacturers that new outlets, even those that comply with the 2014 lead free fixture regulations, require flushing before use. Does the Department recommend flushing new outlets prior to use?

All remediated taps will require flushing prior to being placed back into service and only retesting will confirm the effectiveness of the flushing program. Since the actual installation event of replacement outlets can introduce lead particulates into the drinking water, as well as the fact that even new outlets meeting the new "lead-free" content requirements may still contain some lead, we recommend a period of flushing simulating normal use patterns prior to re-sampling. It is difficult to recommend a generic flushing regimen and time period for post-remediation retesting for every school building and every scenario. How much flushing is required to achieve lead concentrations to be at or below the action level will need to be evaluated on a case by case basis due to various factors, including varying water chemistries and materials used in various

outlets. Please follow manufacturer/industry recommendations or consult with a professional (i.e. plumber, engineer, etc.). Flushing and re-testing may need to be repeated multiple times before the results meet the action level requirements. Re-testing should follow the Departments sampling protocol, including the 8 - 18 hour stagnation period prior to first-draw sampling.

#### NEW

59. Our plumbing outlet supplier told us that outdoor hose bibs are exempt from the 2014 lead free fixture regulation: Safe Drinking Water Act 1417 (a) (4). If these outlets are sampled and the results are above the action level and a lead free replacement does not exist, what does the Department recommend to rectify this issue?

If a lead free replacement fixture that meets the 2014 Safe Drinking Water Act 1417 (a) (4) definition of lead free is not available, the outlet should be secured (only opened with a special tool or key) and marked with signage as "non-potable."

#### Additional Information

#### 60. Where can more information about lead be found?

More information about **lead** can be found on the Department's website at: <u>https://www.health.ny.gov/environmental/lead/education\_materials/index.htm</u>

Additional information regarding the "Lead in School Drinking Water Program" can be found on the Department's website at:

http://www.health.ny.gov/environmental/water/drinking/lead/lead\_testing\_of\_school\_drinking\_w ater.htm The Department will update this website as more information becomes available.

If you have any additional questions, please contact your local health department. Contact information is available at:

http://health.ny.gov/environmental/water/drinking/doh\_pub\_contacts\_map.htm