

October 23, 2023

Mr. John Condon Director of Facilities Pelham Union Free School District 575 Colonial Avenue Pelham, NY 10803

Subject: Lead Testing of School Drinking Water at Colonial Elementary School Project Number: 31406992.005

Dear Mr. Condon:

At your request on behalf of the Pelham Union Free School District, WSP USA Inc. (WSP) has conducted a testing program for lead in water. WSP's team of industrial hygienists performed water sampling on October 4, 2023. 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 when exceedances occurred, and when applicable a draft Parents Notification Letter and Notification of exceedances to the County Department of Health. As requested, WSP provided your staff with the information necessary to complete the NYS Health Electronic Response Data System (HERDS).

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. This law was amended and signed into law on December 23, 2021, requiring significant changes to Subpart 67-4 Public Health Law PHL §1110. The following revisions went into effect on December 22, 2022:

- All school buildings serving children in pre-K through grade 12 are required to collect a sample from each applicable outlet for testing every 3 years.
- Previously deemed "lead-free" buildings are no longer exempt.
- Schools must complete initial first-draw sampling for Compliance Period January 1, 2023-December 31, 2025.
- Action Level was lowered from 15 ppb to 5 ppb.
- All water provided to staff/students in response to an outlet being taken out of service must be free of charge.
- Schools must now include copies of lab reports of the lead testing results on their websites and every 3 years thereafter or at an earlier time as determined by the Commissioner of Health.
- Compliance testing will occur on a triennial (every 3 years) schedule.

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).

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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 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. This includes dishwashing sinks; bus garage; point of entry; science/art sink; hot, tempered, or bathroom outlets designated non-applicable with education and signage.
- "First-draw" sample is defined as a sample taken from a cold water outlet before any water is used from that outlet and in which water is motionless in pipes for a minimum of 8-18 hours before sample collection.
- Action level means 5 parts per billion (ppb). Lead test results greater than 5 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 Program Updates 2023 and NYS Senate Law <u>https://www.health.ny.gov/environmental/water/drinking/lead/lead_testing_of_school_drinking_water.htm</u> <u>https://www.nysenate.gov/legislation/laws/PBH/1110</u>

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 5 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 20 samples collected at Colonial Elementary School, 10 (50%) had lead concentrations that exceeded 5 ppb. The table below details the sample locations and the laboratory results.

	Colonial Elementary School								
Sample Date	Sample ID	Floor	Location	Lead Level (ppb)					
10/4/2023	001-17-CF-P-01	Ground	Room 17, CF, 1	5.64					
10/4/2023	02-Hall-DW-P-02	1st Floor	Hallway by room 104, WB, 2	9.08					
10/4/2023	02-107-CF-P-04	1st Floor	Room 107, CF, 4	5.39					
10/4/2023	02-106-CF-P-05	1st Floor	Room 106, CF, 5	12.4					
10/4/2023	03-205-CF-P-08	2nd Floor	Room 205, CF, 8	7.15					
10/4/2023	03-204-CF-P-09	2nd Floor	Room 204, CF, 9	8.1					
10/4/2023	03-200-CF-P-10	2nd Floor	Room 200, CF, 10	17.8					
10/4/2023	03-211-CF-P-11	2nd Floor	Room 211, CF, 11	5.68					
10/4/2023	03-209-CF-P-12	2nd Floor	Room 209, CF, 12	9.42					
10/4/2023	03-208-CF-P-21	2nd Floor	Room 208, CF, 21	32					

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 5 ppb, and require the outlet to be taken out of service and a remediation action plan be implemented.

RECOMMENDATIONS

If lead concentrations exceeded 5 ppb, WSP offers the following recommendations 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.
- Install Tempered outlets*

Non-applicable Outlets

- Tempered Outlets. These outlets are not required to be sampled. However, all tempered water 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:

Patrick Gaughan

Patrick Gaughan Industrial Hygienist

Report Completed by:

<u>Joseph</u> Kann

Joseph Kapp, CIH, CSP Assistant Vice President

Appendix A – Laboratory Results & Chain of Custody Appendix B - Laboratory ELAP Certifications Appendix C - NYS DOH Lead Testing in School Drinking Water Program Review and Updates 2023

CC : Alexander Smolyar



APPENDIX A

Laboratory Results & Chain of Custody



Technical Report

prepared for:

WSP USA (New York, NY)

One Penn Plaza, 2nd Floor New York NY, 10119 Attention: Joseph Kapp

Report Date: 10/12/2023 Client Project ID: 31406992.005 Pelham Union Free School District York Project (SDG) No.: 23J0240

CT Cert. No. PH-0723 New Jersey Ce

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

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Report Date: 10/12/2023 Client Project ID: 31406992.005 Pelham Union Free School District York Project (SDG) No.: 23J0240

WSP USA (New York, NY) One Penn Plaza, 2nd Floor New York NY, 10119 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 October 04, 2023 and listed below. The project was identified as your project: **31406992.005 Pelham Union Free School District**.

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
23J0240-01	001-17-CF-P-01	Drinking Water	10/04/2023	10/04/2023
23J0240-02	01-Hall-WB-P-01	Drinking Water	10/04/2023	10/04/2023
23J0240-03	01-Hall-DW-P-01	Drinking Water	10/04/2023	10/04/2023
23J0240-04	02-Hal-WB-P-02	Drinking Water	10/04/2023	10/04/2023
23J0240-05	02-Hal-DW-P-02	Drinking Water	10/04/2023	10/04/2023
23J0240-06	02-104-CF-P-02	Drinking Water	10/04/2023	10/04/2023
23J0240-07	02-103-CF-P-03	Drinking Water	10/04/2023	10/04/2023
23J0240-08	02-Nurse-NS-P-01	Drinking Water	10/04/2023	10/04/2023
23J0240-09	02-107-CF-P-04	Drinking Water	10/04/2023	10/04/2023
23J0240-10	02-106-CF-P-05	Drinking Water	10/04/2023	10/04/2023
23J0240-11	03-Hall-WB-P-03	Drinking Water	10/04/2023	10/04/2023
23J0240-12	03-Hall-DW-P-03	Drinking Water	10/04/2023	10/04/2023
23J0240-13	03-207-CF-P-06	Drinking Water	10/04/2023	10/04/2023
23J0240-14	03-206-CF-P-07	Drinking Water	10/04/2023	10/04/2023
23J0240-15	03-205-CF-P-08	Drinking Water	10/04/2023	10/04/2023
23J0240-16	03-204-CF-P-09	Drinking Water	10/04/2023	10/04/2023
23J0240-17	03-200-CF-P-10	Drinking Water	10/04/2023	10/04/2023
23J0240-18	03-211-CF-P-11	Drinking Water	10/04/2023	10/04/2023
23J0240-19	03-209-CF-P-12	Drinking Water	10/04/2023	10/04/2023
23J0240-20	03-208-CF-P-21	Drinking Water	10/06/2023	10/04/2023

General Notes for York Project (SDG) No.: 23J0240

- The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to 1. 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.
- York's liability for the above data is limited to the dollar value paid to York for the referenced project. 3.
- This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc. 4.
- 5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
- It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report. 6.
- This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York. 7.
- 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: Och I Most

Cassie L. Mosher Laboratory Manager

Date: 10/12/2023





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23J0240	3	31406992.005 Pelham	Union Fr	ree School Distric	et	Drinkir	ng Water	October	4, 2023 7:	24 am		10/04/2023
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Client Sample ID: 01 York Project (SDG) No. 23J0240 Lead by EPA 200.8 Sample Prepared by Method: EPA: CAS No. 7439-92-1 Lead Client Sample ID: 02 York Project (SDG) No.	200.8 Parameter 2-Hal-WB-P-	-01 <u>Client</u> 31406992.005 Pelham <u>Result</u> ND 02 <u>Client</u>	Project I Union Fr Flag Project I	Sample Info D ree School Distric Lo Units ug/L Sample Info D	ormation ct <u>Reported to</u> <u>LOQ</u> 1.00 Drmation	<u>Ma</u> Drinkin Dilution	Certifications: <u>atrix</u> ng Water <u>Sam</u> <u>Reference</u> EPA 200.8 Certifications:	Collec October Dele Note e Method CTDOH-PF	<u>York Sar</u> <u>tion Date/T</u> 4, 2023 7:: <u>S:</u> Date/Tim Prepare 10/10/2023 10 1-0723,NELAC-1 <u>York Sar</u> <u>York Sar</u>	nple ID: ime 27 am 22 am 22 am 23 am 24 a 26 10/1 NY10854,NJ NY10854,NJ	Dep-ct005, Data <u>Data</u> <u>Data</u> 0/2023 15:41 JDEP-CT005, 23 <u>Data</u>	Analyst Compader - 68-04 Compader - 68-04 Com
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Client Sample ID: 01 York Project (SDG) No. 23J0240 Lead by EPA 200.8 Sample Prepared by Method: EPA: CAS No. 7439-92-1 Lead Client Sample ID: 02 York Project (SDG) No.	200.8 Parameter 2-Hal-WB-P-	-01 <u>Client</u> 31406992.005 Pelham <u>Result</u> ND 02 <u>Client</u>	Project I Union Fr Flag Project I Union Fr	Sample Info D ree School Distric Lo Units ug/L Sample Info D	ormation ct Dg-in Notes: Reported to LOQ 1.00 Drmation	<u>Ma</u> Drinkin Dilution	Certifications: atrix ng Water Sam Reference EPA 200.8 Certifications: Atrix ng Water	Collec October De Note e Method CTDOH-PF COllec October	<u>York Sar</u> <u>tion Date/T</u> 4, 2023 7:: <u>S:</u> Date/Tim Prepare 10/10/2023 10 1-0723,NELAC-1 <u>York Sar</u> <u>York Sar</u>	nple ID: ime 27 am 27 am 27 am 22 am 23 am 23 am 23 am	ate/Time Analyzed 0/2023 15:41 IDEP-CT005, 23 Date	5 J0240-03 a Received 10/04/2023 Analyst cw



Client Sample ID: 02-H	Ial-WB-P-02								<u>York Sample</u>	<u>ID:</u>	23J0240-04
York Project (SDG) No.		Client	Project II	<u>D</u>		Ma	<u>ttrix</u>	Collec	ction Date/Time	Ē	Date Received
23J0240	314069	992.005 Pelham	Union Fr	ee School Distri	ct	Drinkin	ig Water	October	4, 2023 7:30 ar	n	10/04/2023
Lead by EPA 200.8				<u>L</u>	<u>og-in Notes:</u>		San	<u>iple Note</u>	<u>s:</u>		
CAS No.	Parameter	Result	Flag	Units	Reported to LOO	Dilution	Referenc	e Method	Date/Time Prepared	Date/Time Analyze	
7439-92-1 Lead		ND	Timp	ug/L	1.00	1	EPA 200.8 Certifications:		10/10/2023 10:26 I-0723,NELAC-NY108	10/10/2023 15	i:42 cw
Client Sample ID: 02-H	Ial-DW-P-02			Sample Inf	ormation				York Sample	ID:	23J0240-05
			D					G 11	-		
York Project (SDG) No. 23J0240	314069		Project II Union Fr	<u>D</u> ee School Distri	ct		a <u>trix</u> ag Water		4, 2023 7:32 ar		Date Received 10/04/2023
Lead by EPA 200.8				<u>L</u>	og-in Notes:		San	1ple Note	<u>s:</u>		
Sample Prepared by Method: EPA 200	.8				Reported to				Date/Time	Date/Tim	e
CAS No.	Parameter	Result	Flag	Units	LOQ	Dilution	Referenc	e Method	Prepared	Analyze	
		9.08					Certifications:	CTDOH-PI	U 0722 NEL AC NV10	854,NJDEP-CT	005,PADEP-68-04
							Connections	CIDOILI	II-0/23,NELAC-N I 10		
Client Sample ID: 02-1	04-CF-P-02			Sample Inf	ormation			Ciboiri	York Sample	ID:	23,10240-00
	04-CF-P-02	Client		-	ormation	Ma			York Sample		
<u>Client Sample ID:</u> 02-1 <u>York Project (SDG) No.</u> 23J0240			Project II	-			<u>ttrix</u> g Water	Collec		<u> </u>	Date Received
York Project (SDG) No.			Project II	D ee School Distri			<u>ıtrix</u> ıg Water	Collec	York Sample <u>stion Date/Time</u> 4, 2023 7:34 ar	<u> </u>	Date Received
York Project (SDG) No. 23J0240	314069		Project II	D ee School Distri	ct og-in Notes:	Drinkin	<u>ıtrix</u> ıg Water	<u>Collec</u> October	<u>York Sample</u> <u>etion Date/Time</u> 4, 2023 7:34 ar <u>8:</u>	<u><u> </u></u>	Date Received 10/04/2023
York Project (SDG) No. 23J0240 Lead by EPA 200.8 Sample Prepared by Method: EPA 200	314069		Project II	D ee School Distri	ct	Drinkin	t <u>trix</u> 1g Water <u>San</u>	<u>Collec</u> October	York Sample <u>stion Date/Time</u> 4, 2023 7:34 ar	<u> </u>	Date Received 10/04/2022
York Project (SDG) No. 23J0240 Lead by EPA 200.8 Sample Prepared by Method: EPA 200 CAS No.	314069	992.005 Pelham	Project II Union Fr	D ee School Distri	ct og-in Notes: Reported to	Drinkin	t <u>trix</u> 1g Water <u>San</u>	Collec October 1ple Note e Method	York Sample etion Date/Time 4, 2023 7:34 ar <u>S:</u> Date/Time	n Date/Tim Analyze	e d Analyst :45 cw
York Project (SDG) No. 23J0240 Lead by EPA 200.8 Sample Prepared by Method: EPA 200 CAS No.	314069	992.005 Pelham Result	Project II Union Fr Flag	D ee School Distri L Units	ct og-in Notes: Reported to LOQ 1.00	Drinkin Dilution	<u>itrix</u> ig Water <u>San</u> <u>Referenc</u> EPA 200.8	Collec October 1ple Note e Method	York Sample <u>stion Date/Time</u> 4, 2023 7:34 ar 5: Date/Time Prepared 10/10/2023 10:26	n Date/Tim Analyze	e d Analyst ::45 cw
York Project (SDG) No. 23J0240 Lead by EPA 200.8 Sample Prepared by Method: EPA 200 CAS No.	314069	092.005 Pelham Result	Project II Union Fr Flag	D ee School Distri L Units ug/L	ct og-in Notes: Reported to LOQ 1.00	Drinkin Dilution	<u>itrix</u> ig Water <u>San</u> <u>Referenc</u> EPA 200.8	Collec October 1ple Note e Method	York Sample <u>stion Date/Time</u> 4, 2023 7:34 ar 5: Date/Time Prepared 10/10/2023 10:26	n Date/Tim Analyze 10/10/2023 15 854,NJDEP-CT	e d Analyst :45 cw 005,PADEP-68-04
York Project (SDG) No. 23J0240 Lead by EPA 200.8 Sample Prepared by Method: EPA 200 CAS No.	314069 1.8 Parameter	992.005 Pelham Result 4.54	Project II Union Fr Flag	ee School Distri L Units ug/L Sample Infe	ct og-in Notes: Reported to LOQ 1.00	Drinkin Dilution	<u>itrix</u> ig Water <u>San</u> <u>Referenc</u> EPA 200.8	Collec October 1ple Note e Method	<u>York Sample</u> <u>stion Date/Time</u> 4, 2023 7:34 ar <u>8:</u> <u>Date/Time</u> <u>Prepared</u> 10/10/2023 10:26 H-0723,NELAC-NY108	<u>р</u> n Date/Tim Analyze 10/10/2023 15 854,NJDEP-CT ID:	Date Received 10/04/2023 e d Analyst ::45 cw 005,PADEP-68-04 23J0240-07
York Project (SDG) No. 23J0240 Lead by EPA 200.8 Sample Prepared by Method: EPA 200 CAS No. 7439-92-1 Lead Client Sample ID: 02-1	314069 8 Parameter 03-CF-P-03	992.005 Pelham Result 4.54	Project II Union Fr Flag Project II	ee School Distri L Units ug/L Sample Infe	ct og-in Notes: Reported to LOQ 1.00 ormation	Drinkin Dilution	<u>ttrix</u> Ig Water San Referenc EPA 200.8 Certifications:	Collec October nple Note e Method CTDOH-PI	York Sample Stion Date/Time 4, 2023 7:34 ar 5: Date/Time Prepared 10/10/2023 10:26 H-0723,NELAC-NY103 York Sample	n Date/Time Analyze 10/10/2023 15 854,NJDEP-CT <u>ID:</u> <u>E</u>	Date Received 10/04/2023 e d Analyst ::45 cw 005,PADEP-68-04 23J0240-07 Date Received
York Project (SDG) No. 23J0240 Lead by EPA 200.8 Sample Prepared by Method: EPA 200 CAS No. 7439-92-1 Lead Client Sample ID: York Project (SDG) No. 23J0240	314069 8 Parameter 03-CF-P-03	992.005 Pelham Result 4.54	Project II Union Fr Flag Project II	E ee School Distri L Units ug/L Sample Info E ee School Distri	ct og-in Notes: Reported to LOQ 1.00 ormation	Drinkin Dilution	t <u>trix</u> g Water <u>San</u> Referenc EPA 200.8 Certifications: ttrix g Water	Collec October nple Note e Method CTDOH-PI	York Sample 2tion Date/Time 4, 2023 7:34 ar S: Date/Time Prepared 10/10/2023 10:26 H-0723,NELAC-NY108 York Sample 2tion Date/Time 4, 2023 7:36 ar	n Date/Time Analyze 10/10/2023 15 854,NJDEP-CT <u>ID:</u> <u>E</u>	Bate Received 10/04/202: e d Analyst ::45 cw 005,PADEP-68-04 23J0240-07 Date Received
York Project (SDG) No. 23J0240 Lead by EPA 200.8 Sample Prepared by Method: EPA 200 CAS No. 7439-92-1 Lead Client Sample ID: 02-1 York Project (SDG) No.	314069 .8 Parameter 03-CF-P-03 314069	992.005 Pelham Result 4.54	Project II Union Fr Flag Project II Union Fr	E ee School Distri L Units ug/L Sample Info E ee School Distri	ct <u>Reported to LOQ 1.00 ormation ct og-in Notes:</u>	Drinkin Dilution	t <u>trix</u> Ig Water San Referenc EPA 200.8 Certifications: t <u>trix</u> Ig Water San	Collec October nple Note e Method CTDOH-PI COllec October	York Sample 2tion Date/Time 4, 2023 7:34 ar S: Date/Time Prepared 10/10/2023 10:26 H-0723,NELAC-NY108 York Sample 2tion Date/Time 4, 2023 7:36 ar	<u>р</u> n Date/Tim Analyze 10/10/2023 15 854,NJDEP-CT ID: <u>Г</u> n	d Analyst ::45 cw ::45 cw 23J0240-07 Date Received 10/04/2023



				Sample Info	rmation						
Client Sample ID: 02	-103-CF-P-03								York Sample	<u>e ID:</u> 2	3J0240-0′
York Project (SDG) No.		Client	Project II	D		Ma	atrix.	Colle	ction Date/Time	Da	te Receive
23J0240	314069	92.005 Pelham	Union Fr	ee School District		Drinkir	ng Water	October	r 4, 2023 7:36 a	ım	10/04/202
Sample Prepared by Method: EPA 2	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		2.98		ug/L	1.00	1	EPA 200.8 Certifications:	CTDOH-P	10/10/2023 10:26 PH-0723,NELAC-NY1	10/10/2023 15:40 0854,NJDEP-CT00	
				Sample Info	rmation						
Client Sample ID: 02	-Nurse-NS-P-01								York Sample	<u>e ID:</u> 2	3J0240-0
York Project (SDG) No.		Client	Project II	<u>D</u>			<u>atrix</u>	-	ction Date/Time		e Received
23J0240	314069	92.005 Pelham	Union Fr	ee School District		Drinkir	ng Water	October	r 4, 2023 7:38 a	im	10/04/202
Lead by EPA 200.8				Log	g-in Notes:		<u>Sam</u>	iple Note	<u>es:</u>		
Sample Prepared by Method: EPA 2					Reported to				Date/Time	Date/Time	
CAS No.	Parameter	Result	Flag	Units	ĹOQ	Dilution	Reference	e Method	Prepared	Analyzed	Analyst
7439-92-1 Lead		2.76		ug/L	1.00	1	EPA 200.8 Certifications:	CTDOH-P	10/10/2023 10:26 PH-0723,NELAC-NY1		-
				Sample Info	rmation						
<u>Client Sample ID:</u> 02	-107-CF-P-04								York Sample	<u>e ID:</u> 2	3J0240-0
York Project (SDG) No.			Project II				atrix		ction Date/Time		e Receive
23J0240	314069	92.005 Pelham	Union Fr	ee School District		Drinkir	ng Water	October	r 4, 2023 7:39 a	ım	10/04/202
Lead by EPA 200.8 Sample Prepared by Method: EPA 2	200.8			Log	g-in Notes:		<u>San</u>	iple Note	<u>es:</u>		
CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference	e Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1 Lead		5.39		ug/L	1.00	1	EPA 200.8 Certifications:	CTDOH-P	10/11/2023 09:52 PH-0723,NELAC-NY1	10/11/2023 13:11 0854,NJDEP-CT00	
				Sample Info	rmation						
Client Sample ID: 02	-106-CF-P-05								York Sample	<u>e ID:</u> 2	3J0240-1
York Project (SDG) No.	214060		Project II				atrix	-	ction Date/Time		te Received
23J0240	314069	92.005 Pelham	Union Fr	ee School District		Drinkir	ng Water	October	r 4, 2023 7:41 a	im	10/04/202
Lead by EPA 200.8 Sample Prepared by Method: EPA 2	200.8			Log	<u>g-in Notes:</u>		Sam	ple Note	<u>es:</u>		
CAS No.	Parameter	Result	Flag	Units	Reported to LOO	Dilution	Reference	e Method	Date/Time Prepared	Date/Time Analyzed	Analyst
0.10 110		neguit	1 145		LUŲ	Diation	merenen		. reparcu		
120 RESEARCH DRIVE		STRATFORD, C	CT 06615			-02 89th A			RICHMOND HIL		
www.YORKLAB.com	(203) 325-1371			FAX	(203) 35	7-0166	(ClientServices@	Page 6	of 15



									York Sample		33 103 40 10
<u>Client Sample ID:</u> 02	-106-CF-P-05								TOLK Sample	e ID:	23J0240-10
York Project (SDG) No.		Client	Project II	<u>D</u>		M	<u>atrix</u>	Collec	ction Date/Time		Date Received
23J0240	3140	6992.005 Pelham	Union Fr	ee School District		Drinki	ng Water	October 4, 2023 7:41 am		ım	10/04/2023
Lead by EPA 200.8				<u>Log-</u>	in Notes:		Sam	ple Note	<u>s:</u>		
Sample Prepared by Method: EPA 2	200.8				Reported to				Date/Time	Date/Tir	ne
CAS No.	Parameter	Result	Flag	Units	LOQ	Dilution	Reference	e Method	Prepared	Analyz	
7439-92-1 Lead		12.4		ug/L	1.00	1	EPA 200.8 Certifications:	CTDOH-P	10/11/2023 09:52 H-0723,NELAC-NY10	10/11/2023 1 0854,NJDEP-C	
				Sample Inform	mation						
<u>Client Sample ID:</u> 03	-Hall-WB-P-03								York Sample	e ID:	23J0240-11
York Project (SDG) No.		Client	Project II	D		M	atrix	Collec	ction Date/Time		Date Received
23J0240	3140	6992.005 Pelham	Union Fr	ee School District		Drinki	ng Water	October	4, 2023 7:42 a	ım	10/04/2023
Lead by EPA 200.8				Log-	<u>in Notes:</u>		Sam	iple Note	<u>s:</u>		
Sample Prepared by Method: EPA 2	200.8										
CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference	e Method	Date/Time Prepared	Date/Tin Analyz	
CAS NO.	1 ai ametei		-								
		ND		ug/L	1.00	1	EPA 200.8 Certifications:	CTDOH-PH	10/11/2023 09:52 H-0723,NELAC-NY10	10/11/2023 1 0854,NJDEP-C	
				ug/L Sample Inform		1		CTDOH-PF			
7439-92-1 Lead	-Hall-DW-P-03					1		CTDOH-PF		9854,NJDEP-C	
7439-92-1 Lead		ND	Project II	Sample Inform					I-0723,NELAC-NY10	854,NJDEP-C [*] e ID:	r005,padep-68-044
7439-92-1 Lead <u>Client Sample ID:</u> 03	3-Hall-DW-P-03	ND <u>Client</u>	Project II	Sample Inform		M	Certifications:	Collec	1-0723,NELAC-NY10 <u>York Sample</u>	854,NJDEP-C [*]	23J0240-12
7439-92-1 Lead <u>Client Sample ID:</u> 03 <u>York Project (SDG) No.</u>	3-Hall-DW-P-03	ND <u>Client</u>	Project II	Sample Inform D ee School District		M	Certifications: atrix ng Water	Collec	<u>York Sample</u> <u>tion Date/Time</u> 4, 2023 7:44 a	854,NJDEP-C [*]	23J0240-12
7439-92-1 Lead <u>Client Sample ID:</u> 03 <u>York Project (SDG) No.</u> 23J0240	3- Hall-DW-P-03 3140	ND <u>Client</u>	Project II	Sample Inform D ee School District	mation	<u>M</u> Drinkir	Certifications: atrix ng Water	<u>Collec</u> October	<u>York Sample</u> <u>tion Date/Time</u> 4, 2023 7:44 a	854,NJDEP-C [*]	23J0240-12 Date Received 10/04/2023
7439-92-1 Lead Client Sample ID: 03 York Project (SDG) No. 23J0240 Lead by EPA 200.8 Sample Prepared by Method: EPA 2 CAS No.	3- Hall-DW-P-03 3140	ND <u>Client</u> 6992.005 Pelham Result	Project II	Sample Inform D ee School District Log- Units	mation	<u>M</u> Drinkin	Certifications: atrix ng Water <u>Sam</u> Reference	Collec October aple Note	<u>York Sample</u> <u>tion Date/Time</u> 4, 2023 7:44 a <u>S:</u> <u>Date/Time</u> <u>Prepared</u>	e ID: m Date/Tin Analyz	23J0240-12 Date Received 10/04/2023
7439-92-1 Lead Client Sample ID: 03 York Project (SDG) No. 23J0240 Lead by EPA 200.8 Sample Prepared by Method: EPA 2 CAS No.	3- Hall-DW-P-03 3140 200.8	ND <u>Client</u> 6992.005 Pelham	Project II Union Fr	Sample Inform D ee School District Log-	mation	<u>M</u> Drinkii	Certifications: a <u>trix</u> ng Water <u>Sam</u>	Collec October aple Note	<u>York Sample</u> <u>tion Date/Time</u> 4, 2023 7:44 a <u>S:</u> Date/Time	e ID: um Date/Tin Analyz	23J0240-12 <u>Date Received</u> 10/04/2023 ne at Analyst 13:16 cw
7439-92-1 Lead Client Sample ID: 03 York Project (SDG) No. 23J0240 Lead by EPA 200.8 Sample Prepared by Method: EPA 2 CAS No.	3- Hall-DW-P-03 3140 200.8	ND <u>Client</u> 6992.005 Pelham Result	Project II Union Fr	Sample Inform D ee School District Log- Units	mation in Notes: Reported to LOQ 1.00	<u>M</u> Drinkin	Certifications: atrix ng Water <u>Sam</u> Reference EPA 200.8	Collec October aple Note	York Sample <u>York Sample</u> ction Date/Time 4, 2023 7:44 a <u>S:</u> Date/Time Prepared 10/11/2023 09:52	e ID: um Date/Tin Analyz	23J0240-12 <u>Date Received</u> 10/04/2023 ne at Analyst 13:16 cw
7439-92-1 Lead <u>Client Sample ID:</u> 03 <u>York Project (SDG) No.</u> 23J0240 <u>Lead by EPA 200.8</u> Sample Prepared by Method: EPA 2 <u>CAS No.</u> 7439-92-1 Lead	3- Hall-DW-P-03 3140 200.8	ND <u>Client</u> 6992.005 Pelham Result	Project II Union Fr	Sample Inform D ee School District Log- Units ug/L	mation in Notes: Reported to LOQ 1.00	<u>M</u> Drinkin	Certifications: atrix ng Water <u>Sam</u> Reference EPA 200.8	Collec October aple Note	York Sample <u>York Sample</u> ction Date/Time 4, 2023 7:44 a <u>S:</u> Date/Time Prepared 10/11/2023 09:52	e ID: um Io/11/2023 : 10/11/2023 : 18554,NJDEP-C [*]	23J0240-12 <u>Date Received</u> 10/04/2023 ne at Analyst 13:16 cw
7439-92-1 Lead <u>Client Sample ID:</u> 03 <u>York Project (SDG) No.</u> 23J0240 <u>Lead by EPA 200.8</u> Sample Prepared by Method: EPA 2 <u>CAS No.</u> 7439-92-1 Lead	3- Hall-DW-P-03 3140 200.8 Parameter	ND <u>Client</u> 6992.005 Pelham <u>Result</u> ND	Project II Union Fr	Sample Inform D ee School District Log- Units ug/L Sample Inform	mation in Notes: Reported to LOQ 1.00	<u>M</u> Drinkin	Certifications: atrix ng Water <u>Sam</u> Reference EPA 200.8	Collec October aple Note e Method CTDOH-PF	York Sample ction Date/Time 4, 2023 7:44 a 5: Date/Time Prepared 10/11/2023 09:52 1-0723,NELAC-NY10	e ID: m Date/Tin Analyz 10/11/2023 1 1854,NJDEP-C [*] e ID:	23J0240-12 Date Received 10/04/2023 ne ed Analyst 13:16 cw r005,PADEP-68-044
7439-92-1 Lead <u>Client Sample ID:</u> 03 <u>York Project (SDG) No.</u> 23J0240 <u>Lead by EPA 200.8</u> Sample Prepared by Method: EPA 2 <u>CAS No.</u> 7439-92-1 Lead <u>Client Sample ID:</u> 03	3-Hall-DW-P-03 3140 200.8 Parameter 3-207-CF-P-06	ND <u>Client</u> 6992.005 Pelham <u>Result</u> ND	Project II Union Fr Flag Project II	Sample Inform D ee School District Log- Units ug/L Sample Inform	mation in Notes: Reported to LOQ 1.00	<u>M</u> Drinkin Dilution	Certifications: atrix ng Water <u>Sam</u> <u>Reference</u> EPA 200.8 Certifications:	Collect October De Note e Method CTDOH-PF	H-0723,NELAC-NY10 York Sample ction Date/Time 4, 2023 7:44 a S: Date/Time 10/11/2023 09:52 H-0723,NELAC-NY10 York Sample York Sample	e ID: m Date/Tin Analyz 10/11/2023 1 1854,NJDEP-C [*] e ID:	23J0240-12 Date Received 10/04/2023 ne ed Analyst 13:16 cw r005,PADEP-68-044 23J0240-13
7439-92-1 Lead Client Sample ID: 03 York Project (SDG) No. 23J0240 Lead by EPA 200.8 Sample Prepared by Method: EPA 2 CAS No. 7439-92-1 Lead Client Sample ID: 03 York Project (SDG) No. 23J0240	3-Hall-DW-P-03 3140 200.8 Parameter 3-207-CF-P-06	ND <u>Client</u> 6992.005 Pelham <u>Result</u> ND	Project II Union Fr Flag Project II	Sample Inform D ee School District Log- Units ug/L Sample Inform D ee School District	mation in Notes: Reported to LOQ 1.00	<u>M</u> Drinkin Dilution	Certifications: atrix ng Water <u>Sam</u> <u>Reference</u> EPA 200.8 Certifications: atrix ng Water	Collect October De Note e Method CTDOH-PF	York Sample 2tion Date/Time 4, 2023 7:44 a 5: Date/Time 10/11/2023 09:52 1-0723,NELAC-NY10 York Sample 2tion Date/Time 4, 2023 10/11/2023 09:52 1-0723,NELAC-NY10 York Sample 2tion Date/Time 4, 2023 7:45 a	e ID: m Date/Tin Analyz 10/11/2023 1 1854,NJDEP-C [*] e ID:	23J0240-12 Date Received 10/04/2023 ne ed Analyst 13:16 cw r005,PADEP-68-044 23J0240-13 Date Received
7439-92-1 Lead <u>Client Sample ID:</u> 03 <u>York Project (SDG) No.</u> 23J0240 <u>Lead by EPA 200.8</u> Sample Prepared by Method: EPA 2 <u>CAS No.</u> 7439-92-1 Lead <u>Client Sample ID:</u> 03 <u>York Project (SDG) No.</u>	3-Hall-DW-P-03 3140 200.8 Parameter 3-207-CF-P-06 3140	ND <u>Client</u> 6992.005 Pelham <u>Result</u> ND	Project II Union Fr Flag Project II Union Fr	Sample Inform D ee School District Log- Units ug/L Sample Inform D ee School District	mation in Notes: Reported to LOQ 1.00 mation in Notes:	<u>M</u> Drinkin Dilution	Certifications: atrix ng Water Sam Reference EPA 200.8 Certifications: atrix ng Water Sam	Collea October De Note Method CTDOH-PF Collea October	York Sample 2tion Date/Time 4, 2023 7:44 a 5: Date/Time 10/11/2023 09:52 1-0723,NELAC-NY10 York Sample 2tion Date/Time 4, 2023 10/11/2023 09:52 1-0723,NELAC-NY10 York Sample 2tion Date/Time 4, 2023 7:45 a	e ID: um In/11/2023 1 10/11/2023 1 18/54,NJDEP-C [*] e ID: um	23J0240-12 Date Received 10/04/2023 ne ed Analyst 13:16 cw r005,PADEP-68-044 23J0240-13 Date Received 10/04/2023



				Sample Inform	nation						
<u>Client Sample ID:</u> 0.	3-207-CF-P-06								York Sample	e ID:	23J0240-13
York Project (SDG) No.		Client	Project II	<u>D</u>		Ma	atrix	Colle	ction Date/Time	Da	ate Received
23J0240	3140	06992.005 Pelham	Union Fr	ee School District		Drinkir	ng Water	October	· 4, 2023 7:45 a	ım	10/04/2023
Sample Prepared by Method: 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		2.84		ug/L	1.00	1	EPA 200.8 Certifications:	CTDOH-P	10/11/2023 09:52 H-0723,NELAC-NY1	10/11/2023 13: 0854,NJDEP-CT0	
				Sample Inform	nation						
<u>Client Sample ID:</u> 0.	3-206-CF-P-07								York Sample	e ID:	23J0240-1 4
York Project (SDG) No.		Client	Project II	<u>D</u>		Ma	atrix	Colle	ction Date/Time	Da	ate Received
23J0240	3140)6992.005 Pelham	Union Fr	ee School District		Drinkir	ng Water	October	· 4, 2023 7:46 a	ım	10/04/2023
Lead by EPA 200.8				Log-	in Notes:		Sam	iple Note	<u>:s:</u>		
Sample Prepared by Method: EPA	200.8				D d				Date/Time	Date/Time	
CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference	e Method	Prepared	Analyzed	Analyst
		3.22		ug/L	1.00	1	EPA 200.8 Certifications:	CTDOH B	10/11/2023 09:52 H-0723,NELAC-NY1	10/11/2023 13:	
7439-92-1 Lead				Sample Infor	nation						
	3-205-CF-P-08 3140	<u>Client</u>)6992.005 Pelham	Project II		nation		<u>atrix</u> ng Water		York Sample ction Date/Time • 4, 2023 7:48 #	Da	ate Received
<u>Client Sample ID:</u> 0. <u>York Project (SDG) No.</u>			Project II	D ee School District	nation		ng Water		ction Date/Time 4, 2023 7:48 a	Da	ate Received
Client Sample ID: 0. York Project (SDG) No. 23J0240	3140		Project II	D ee School District	in Notes:	Drinkir	ng Water	October	ction Date/Time 4, 2023 7:48 a	<u>D</u> a	nte Received 10/04/2023
<u>Client Sample ID:</u> 0. <u>York Project (SDG) No.</u> 23J0240 <u>Lead by EPA 200.8</u> Sample Prepared by Method: EPA <u>CAS No.</u>	3140)6992.005 Pelham Result	Project II Union Fr	D ee School District Log- Units	in Notes: Reported to LOQ	Drinkir Dilution	ng Water <u>Sam</u> Reference	October	ction Date/Time 4, 2023 7:48 a ss: Date/Time Prepared	um Date/Time Analyzed	ate Received 10/04/2023 Analyst
Client Sample ID: 0. <u>York Project (SDG) No.</u> 23J0240 Lead by EPA 200.8 Sample Prepared by Method: EPA	200.8	06992.005 Pelham	Project II Union Fr	D ee School District Log-	in Notes:	Drinkir	ng Water <u>Sam</u>	October nple Note e Method	ction Date/Time	Date/Time Analyzed	ate Received 10/04/2023 Analyst 20 cw
<u>Client Sample ID:</u> 0. <u>York Project (SDG) No.</u> 23J0240 <u>Lead by EPA 200.8</u> Sample Prepared by Method: EPA <u>CAS No.</u>	200.8)6992.005 Pelham Result	Project II Union Fr Flag	D ee School District Log- Units	in Notes: Reported to LOQ 1.00	Drinkir Dilution	ng Water <u>Sam</u> Reference EPA 200.8	October nple Note e Method	Date/Time •4, 2023 7:48 a •5: Date/Time Prepared 10/11/2023 09:52	Date/Time Analyzed	ate Received 10/04/2023 Analyst 20 cw
<u>Client Sample ID:</u> 0. <u>York Project (SDG) No.</u> 23J0240 <u>Lead by EPA 200.8</u> Sample Prepared by Method: EPA <u>CAS No.</u> 7439-92-1 Lead	200.8)6992.005 Pelham Result	Project II Union Fr Flag	D ee School District Log- Units ug/L	in Notes: Reported to LOQ 1.00	Drinkir Dilution	ng Water <u>Sam</u> Reference EPA 200.8	October nple Note e Method	Date/Time •4, 2023 7:48 a •5: Date/Time Prepared 10/11/2023 09:52	<u>Date/Time</u> Ann Date/Time Analyzed 10/11/2023 13:: 0854,NJDEP-CT0	<u>Analyst</u> 20 cw 20 cw 20 cw
<u>Client Sample ID:</u> 0. <u>York Project (SDG) No.</u> 23J0240 <u>Lead by EPA 200.8</u> Sample Prepared by Method: EPA <u>CAS No.</u> 7439-92-1 Lead	200.8 Parameter 3-204-CF-P-09	06992.005 Pelham Result 7.15	Project II Union Fr Flag Project II	D ee School District Log- Units ug/L Sample Inform	in Notes: Reported to LOQ 1.00	Drinkir Dilution	ng Water <u>Sam</u> Reference EPA 200.8	October nple Note e Method CTDOH-P <u>Colle</u>	ction Date/Time 4, 2023 7:48 a 55: Date/Time Prepared 10/11/2023 09:52 H-0723,NELAC-NY1	<u>Date/Time</u> Mate/Time Analyzed 10/11/2023 13:: 08554,NJDEP-CTO e ID:	ate Received 10/04/2023 Analyst 20 cw 05,PADEP-68-04 23J0240-10 ate Received
Client Sample ID: 0. York Project (SDG) No. 23J0240 Lead by EPA 200.8 Sample Prepared by Method: EPA CAS No. 7439-92-1 Lead Client Sample ID: 0. York Project (SDG) No.	200.8 Parameter 3-204-CF-P-09)6992.005 Pelham <u>Result</u> 7.15 <u>Client</u>	Project II Union Fr Flag Project II	D ee School District Log- Units ug/L Sample Inform D ee School District	in Notes: Reported to LOQ 1.00	Drinkir Dilution	Reference EPA 200.8 Certifications:	October nple Note e Method CTDOH-P <u>Colle</u>	ction Date/Time 4, 2023 7:48 a 55: Date/Time Prepared 10/11/2023 09:52 H-0723,NELAC-NY1 York Sample ction Date/Time 4, 2023 7:50 a	<u>Date/Time</u> Mate/Time Analyzed 10/11/2023 13:: 08554,NJDEP-CTO e ID:	ate Received 10/04/2023 Analyst 20 cw 05,PADEP-68-04 23J0240-16 ate Received
Client Sample ID: 0. York Project (SDG) No. 23J0240 Lead by EPA 200.8 Sample Prepared by Method: EPA CAS No. 7439-92-1 Lead Client Sample ID: 0. York Project (SDG) No. 23J0240	200.8 Parameter 3-204-CF-P-09 3140)6992.005 Pelham <u>Result</u> 7.15 <u>Client</u>	Project II Union Fr Flag Project II	D ee School District Log- Units ug/L Sample Inform D ee School District	in Notes: Reported to LOQ 1.00	Drinkir Dilution	Reference EPA 200.8 Certifications:	October nple Note e Method CTDOH-P Coller October	ction Date/Time 4, 2023 7:48 a 55: Date/Time Prepared 10/11/2023 09:52 H-0723,NELAC-NY1 York Sample ction Date/Time 4, 2023 7:50 a 55:	<u>Date/Time</u> Analyzed 10/11/2023 13:3 0854,NJDEP-CTO	ate Received 10/04/2023 Analyst 20 cw 05,PADEP-68-04 23J0240-16 ate Received
Client Sample ID: 0. York Project (SDG) No. 23J0240 Lead by EPA 200.8 Sample Prepared by Method: EPA CAS No. 7439-92-1 Lead Client Sample ID: 0. York Project (SDG) No. 23J0240 Lead by EPA 200.8	200.8 Parameter 3-204-CF-P-09 3140)6992.005 Pelham <u>Result</u> 7.15 <u>Client</u>	Project II Union Fr Flag Project II	D ee School District Log- Units ug/L Sample Inform D ee School District	in Notes: Reported to LOQ 1.00	Drinkir Dilution 1 <u>Ma</u> Drinkir	Reference EPA 200.8 Certifications:	October nple Note e Method CTDOH-P COller October nple Note	ction Date/Time 4, 2023 7:48 a 55: Date/Time Prepared 10/11/2023 09:52 H-0723,NELAC-NY1 York Sample ction Date/Time 4, 2023 7:50 a	<u>Date/Time</u> Mate/Time Analyzed 10/11/2023 13:: 08554,NJDEP-CTO e ID:	Analyst 20 cw 05,PADEP-68-04 23J0240-16 ate Received 10/04/2023
Client Sample ID: 0. York Project (SDG) No. 23J0240 Lead by EPA 200.8 Sample Prepared by Method: EPA CAS No. 7439-92-1 Lead Client Sample ID: 0. York Project (SDG) No. 23J0240 Lead by EPA 200.8 Sample Prepared by Method: EPA	200.8 Parameter 3-204-CF-P-09 3140 200.8 Parameter	06992.005 Pelham Result 7.15 <u>Client</u> 06992.005 Pelham	Project II Union Fr Flag Project II Union Fr Flag	D ee School District Log- Units ug/L Sample Inforn D ee School District Log-	in Notes: Reported to LOQ 1.00 nation in Notes: Reported to LOQ	Drinkir Dilution 1 <u>Ma</u> Drinkir	ng Water Sam Reference EPA 200.8 Certifications: atrix ng Water Sam Reference	October nple Note e Method CTDOH-P CTDOH-P COller October nple Note e Method	ction Date/Time 4, 2023 7:48 a 5: Date/Time Prepared 10/11/2023 09:52 H-0723,NELAC-NY1 <u>York Sample</u> ction Date/Time 4, 2023 7:50 a 5: Date/Time	m Date/Time Analyzed 10/11/2023 13:3 0854,NJDEP-CT0 e ID: Date/Time Analyzed	ate Received 10/04/2023 Analyst 20 cw 05,PADEP-68-04 23J0240-16 ate Received 10/04/2023



				Sample In	formation						
Client Sample ID:	03-204-CF-P-	09							<u>York Sampl</u>	e ID:	23J0240-16
York Project (SDG) No	<u>o.</u>	Client l	Project II	<u>כ</u>		M	<u>atrix</u>	Colle	ction Date/Time	<u>. I</u>	Date Received
23J0240		31406992.005 Pelham U	Jnion Fre	ee School Dist	rict	Drinki	ng Water	October	4, 2023 7:50	am	10/04/2023
Lead by EPA 200.8]	<u>Log-in Notes:</u>		<u>San</u>	iple Note	<u>es:</u>		
Sample Prepared by Method: E	PA 200.8				Reported to				Date/Time	Date/Tim	e
CAS No.	Parameter	Result	Flag	Units	LOQ	Dilution	Reference	e Method	Prepared	Analyze	•
7439-92-1 Lead		8.10		ug/L	1.00	1	EPA 200.8 Certifications:	CTDOH-F	10/11/2023 09:52 PH-0723,NELAC-NY1	10/11/2023 13 10854,NJDEP-CT	
				Sample In	formation						
<u>Client Sample ID:</u>	03-200-CF-P-	10		F					<u>York Sampl</u>	e ID:	23J0240-17
York Project (SDG) No	<u>o.</u>	Client 1	Project II	<u>)</u>		M	atrix	Colle	ction Date/Time	<u>e I</u>	Date Received
23J0240		31406992.005 Pelham U	Jnion Fre	ee School Dist	rict	Drinki	ng Water	October	4, 2023 7:51	am	10/04/2023
Lead by EPA 200.8				1	Log-in Notes:		Sam	ple Note	·s:		
Sample Prepared by Method: E	EPA 200.8			-			Sun				
CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference	e Method	Date/Time Prepared	Date/Tim Analyze	
7439-92-1 Lead		17.8	M-PbE X] ug/L	1.00	1	EPA 200.8 Certifications:	CTDOH-F	10/11/2023 09:52 PH-0723,NELAC-NY1	10/11/2023 13 10854,NJDEP-CT	
				Sample In	formation						
Client Sample ID:	03-211-CF-P-	11		1					York Sampl	e ID:	23J0240-18
York Project (SDG) No	0.	Client 1	Project II	C		M	atrix	Colle	ction Date/Time	- Г	Date Received
23J0240		31406992.005 Pelham U			rict		ng Water		4, 2023 7:53		10/04/2023
Lead by EPA 200.8				1	Log-in Notes:		Sam	ple Note	NC •		
Sample Prepared by Method: E	EPA 200.8			-	<u>Llog-III 1(otcs.</u>		<u>5an</u>		<u></u>		
CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference	e Method	Date/Time Prepared	Date/Tim Analyze	
7439-92-1 Lead		5.68		ug/L	1.00	1	EPA 200.8		10/11/2023 09:52	10/11/2023 13	
							Certifications:	CTDOH-F	PH-0723,NELAC-NY	10854,NJDEP-CT	005,PADEP-68-04
				Samula In	formation						
<u>Client Sample ID:</u>	03-209-CF-P-	12	I	Sample III	ioimation				York Sampl	le ID:	23J0240-19
York Project (SDG) No	0.	Client l	Project II	C		M	atrix	Colle	ction Date/Time	e I	Date Received
23J0240		31406992.005 Pelham U			rict		ng Water		4, 2023 7:55		10/04/2023
Lead by EPA 200.8				<u>]</u>	Log-in Notes:		<u>Sam</u>	iple Note	<u>:s:</u>		
		OTDATEODD OT	E 00045			00.001				1 NR7 44 44	
120 RESEARCH DR		STRATFORD, C	06615			-02 89th A			RICHMOND HIL		
www.YORKLAB.com		(203) 325-1371			FAX	(203) 35	01-0100		ClientServices@	Page	9 of 15



Client Sample ID:	03-209-CF-P	-12							York Sample	<u>e ID:</u> 23	J0240-19
York Project (SDG) N	<u>lo.</u>	Client	Project II	<u>)</u>		M	<u>atrix</u>	Colle	ction Date/Time	Date	e Received
23J0240		31406992.005 Pelham	Union Fre	ee School Distri	ct	Drinki	ng Water	October	: 4, 2023 7:55 a	m	10/04/2023
Sample Prepared by Method:	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		9.42		ug/L	1.00	1	EPA 200.8		10/11/2023 09:52	10/11/2023 13:33	cw
							Certifications:	CTDOH-P	H-0723,NELAC-NY1	0854,NJDEP-CT005	PADEP-68-04
<u>Client Sample ID:</u> York Project (SDG) N	03-208-CF-P		Project II	Sample Info	ormation	М	atrix	Colle	<u>York Sample</u> ction Date/Time		5 J0240-20 e Received
23J0240		31406992.005 Pelham	Union Fre	e School Distri	ct	Drinki	ng Water	October	6, 2023 7:08 a	m	10/04/2023
Lead by EPA 200.8 Sample Prepared by Method:	EPA 200.8			L	og-in Notes:		Sam	ple Note			
CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference	e Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1 Lead		32.0	M-PbE X	ug/L	1.00	1	EPA 200.8 Certifications:	CTDOH-F	10/11/2023 09:52 PH-0723,NELAC-NY1	10/11/2023 13:35 0854,NJDEP-CT005	cw PADEP-68-04







Sample and Data Qualifiers Relating to This Work Order

M-PbEX	Lead result exceeds regulatory limit
	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 current NELAC/TNI 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.
and cannot be	46 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet e separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as ne.
	s 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 re non-target aroclors for some regulatory lists.
2-chloroethyl should take n	vinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user ote.
Certification	for pH is no longer offered by NYDOH ELAP.
Semi-Volatile	e 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.
-	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 due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.
Corrective A	Action:Lab did not receive the last sample on COC labeled 03-208-CF-P21.Analysis removed from that sample. Sample received on 10/06/2023.

120 RESEARCH DRIVE

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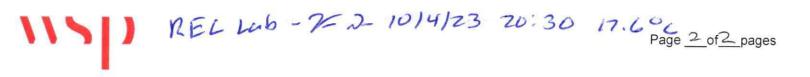


Lead (Pb) Chain of Custody

115

REC Lob - 22 10/4/23 20:30 17.6°C 1 of 2 pages

Client: Pelham Union Free School District								
Location Sampled: Co								
Date: 10/04/2027		Address: 315 Highbrook Ave, Pelham, NY 10803						
Report To (Name): Jos		- I - Ought s	P. Gaugha	n				
		@wsp.com; LB.LabResults@wsp.com;	5					
Project Number: 3140	6992.005	Turnaround Time (TAT) Options* - Please Check						
3 Hour 6	6 Hour	24 Hour 48 Hour 72 Hour 120 Hour	1 Week	2 Week				
Drinking Water Pres	served wit							
Sample ID	Lab ID	Sample Description	Volume	Date/Time Sampled				
Ex. 003-312-DW-P-015		Floor, Room Name, Room Number, Type, Type Number	250 mL					
001-17-(F-P-01	CI	Ground, Som 17, CF, 1	250 mL	724				
01-Hall-WB-P-01	62	Covered, Hallway by 17, WB, 1	250 mL	726				
01-Hall- DW-P-01	03	Cround Hallway by 17 DW, 1	250 mL	727				
02-Hall-WB-P-02	C4	1STFL Hallway by lok, VB 2	250 mL	730				
02 - Hall-DN-P-02		1StFL, Hallway by 104 DV 2	250 mL	732				
	65	- Not Commented -	250 mL					
02-104-CF-P-02		1StFL, Room Lot, CF, 2	250 mL	734				
02-103-CF-P-03		1 st FL, Room 103, CF, 3	250 mL	736				
02-Nurse NS-P-01	Cø	1st FL, Room Nurses, NS 1	250 mL	738				
62-	510	latt	250 mL					
02-107-LF-P-04		1st FI, Room 107 CF, 4	250 mL	739				
02-106-CF-P-05		1 st Fl Roon 106 CF 5	250 mL	741				
08-Hall - WB-P-03		2nd Fl Hallway by WB, 3	250 mL	742				
08-Hall-DW-P-03		2nd Fl, Hallway by295 DW 3	250 mL	744				
03-207-CF-P-06	C14	2 nd Fl Room 207 CF 6	250 mL	745				
03-206-67-07	C15	2 ^{MA} FI Room 206 CF, 7	250 mL	746				
03-205-CF-P-08	C 16	L (L, Noom LUS, CF, 8	250 mL	748				
03-204-CF-P-09	617	2 nd FL, Room 204, CF, 9	250 mL	750				
03-200-6-7-10	618	2 nd FL, Room 200, CF, 10	250 mL	751				
03-211-CF.P-11	619	2 nd FL, Room 211, CF, U	250 mL 250 mL	753				
03-209-CF-P12	40	2 nd FL, Room 209, CF, 12		755				
Relinquished by:		Patrick Gaughan Date: 10/4/2023	Time: 9:57					
Received by:	27		Time: 0257	21.4℃				
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. KE= Kitchen Faucet. BF= Bathroom Sink Faucet. NS= Nurse's Office Faucet. KE= Kitchen Faucet. BF= Bathroom Sink Faucet. NS= Nurse's Office Faucet. KE= Kitchen Faucet. BF= Bathroom Sink Faucet. NS= Nurse's Office Faucet. KE= Kitchen Faucet. BF= Bathroom Sink Faucet. NS= Nurse's Office Faucet. KE= Kitchen Faucet. BF= Bathroom Sink Faucet. NS= Nurse's Office Faucet. KE= Kitchen Faucet. BF= Bathroom Sink Faucet. NS= Nurse's Office Faucet. KE= Kitchen Faucet. BF= Bathroom Sink Faucet. NS= Nurse's Office Faucet. KE= Kitchen Faucet. BF= Bathroom Sink Faucet. NS= Nurse's Office Faucet. KE= Kitchen Faucet. BF= Bathroom Sink Faucet. NS= Nurse's Office Faucet. KE= Kitchen Faucet. BF= Bathroom Sink Faucet. NS= Nurse's Office Faucet. KE= Kitchen Faucet. BF= Bathroom Sink Faucet. NS= Nurse's Office Faucet. KE= Kitchen Faucet. BF= Bathroom Sink Faucet. NS= Nurse's Office Faucet. KE= Kitchen Faucet. BF= Bathroom Sink Faucet. NS= Nurse's Office Faucet. KE= Kitchen Faucet. BF= Bathroom Sink Faucet. NS= Nurse's Office Faucet. KE= Kitchen Faucet. BF= Bathroom Sink Faucet. NS= Nurse's Office Faucet. KE= Kitchen Faucet. BF= Bathroom Sink Faucet. NS= Nurse's Office Faucet. KE= Kitchen Faucet. BF= Bathroom Sink Faucet. NS= Nurse's Office Faucet. KE= Kitchen Faucet. BF= Bathroom Sink Faucet. NS= Nurse's Office Faucet. KE= Kitchen Faucet. BF= Bathroom Sink Faucet. NS= Nurse's Office Faucet. KE= Kitchen Faucet. BF= Bathroom Sink Faucet. Sink Faucet. KE= Kitchen Faucet. BF= Bathroom Sink Faucet.								
96	Morton S	St 8 th FL New York NY 10014 USA Tel +1.212.61	2.7900 Pa	ge 13 of 15				



		-	2	350240
Sample ID	Lab ID	Sample Description	Volume	Date/Time Sampled
03-208-cF-P-21	C21	2nd Floor, Room 208, CF, 21	250 mL	756
		- / /	250 mL	
			250 mL	
		<u>a</u>	250 mL	
			250 mL	•
			250 mL	
			250 mL	
			250 mL	13
			250 mL	

Relinquished by:	Patrick	Gaughan Date:	10/4/2023	Time: 9:57	
Received by:	andrew 14		10/4/2023	Time: 09:57	21.4%
Comments:	A.L.	Redno	12/4/2023		
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96 Morton St 8th FL | New York | NY | 10014 | USA | Tel +1.212.612.7900 Page 14 of 15



Lead (Pb) Chain of Custody

Client: Pelham Union F Location Sampled: Co				
Date: 10/6/202		Address: 315 Highbrook Ave, Pelham, NY 10803		1
Report To (Name): Jos		Sampled By: P. Gaughan	, M. Dong	las
		@wsp.com; LB.LabResults@wsp.com;	,	
Project Number: 31406	6992.005	Turnaround Time (TAT) Options* - Please Check		
3 Hour 6	Hour	24 Hour 48 Hour 72 Hour > 120 Hour	1 Week	2 Week
Drinking Water Pres	erved wit	h HNO₃ pH < 2	1.00	
Sample ID	Lab ID	Sample Description	Volume	Date/Time Sampled
Ex. 003-312-DW-P-015		Floor, Room Name, Room Number, Type, Type Number	250 mL	
003-208-(F-P-21	(21	2nd Floor, Room 208, CF, 21	250 mL	7:08
1			250 mL	
			250 mL	
V			250 mL	
			250 mL	
			250 mL	
		N T	250 mL	
			250 mL	
1			250 mL	
			250 mL	
Relinquished by:		Patrick Gaughan Date: 10/6/2023	Time:	
Received by:		1+++ Yack Date: 10/h	Time: 2:0	
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.				
		ues (21, 20 03-208-CF-P-21 on COC 23JO	the second se	
96	Morton	St 8 th FL New York NY 10014 USA Tel +1.212.6	2.7900 Pa	ge 15 of 15



APPENDIX B

Laboratory ELAP Certifications



Expires 12:01 AM April 01, 2024 Issued April 01, 2023 Revised April 04, 2023

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

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

MS. CATHERINE L. MOSHER 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 (2016) for the category ENVIRONMENTAL ANALYSES POTABLE WATER All approved analytes are listed below:

Fuel Additives

Methyl tert-butyl ether	EPA 524.2	
Naphthalene	EPA 524.2	
Metals I		
Arsenic, Total	EPA 200.8 Rev. 5.4	
Barium, Total	EPA 200.7 Rev. 4.4	
	EPA 200.8 Rev. 5.4	
Cadmium, Total	EPA 200.7 Rev. 4.4	
	EPA 200.8 Rev. 5.4	
Chromium, Total	EPA 200.7 Rev. 4.4	
	EPA 200.8 Rev. 5.4	
Copper, Total	EPA 200.7 Rev. 4.4	
	EPA 200.8 Rev. 5.4	
Iron, Total	EPA 200.7 Rev. 4.4	
Lead, Total	EPA 200.8 Rev. 5.4	
Manganese, Total	EPA 200.7 Rev. 4.4	
	EPA 200.8 Rev. 5.4	
Mercury, Total	EPA 245.1 Rev. 3.0	
Silver, Total	EPA 200.7 Rev. 4.4	
	EPA 200.8 Rev. 5.4	
Zinc, Total	EPA 200.7 Rev. 4.4	
Metals II		
Aluminum, Total	EPA 200.7 Rev. 4.4	
	EPA 200.8 Rev. 5.4	
Antimony, Total	EPA 200.8 Rev. 5.4	
Beryllium, Total	EPA 200.7 Rev. 4.4	
	EPA 200.8 Rev. 5.4	

Serial No.: 67728





Expires 12:01 AM April 01, 2024 Issued April 01, 2023 Revised April 04, 2023

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Metals II

Molybdenum, Total	EPA 200.8 Rev. 5.4
Nickel, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Thallium, Total	EPA 200.8 Rev. 5.4
Vanadium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4

Metals III

Calcium, Total	EPA 200.7 Rev. 4.4	
Magnesium, Total	EPA 200.7 Rev. 4.4	
Potassium, Total	EPA 200.7 Rev. 4.4	
Sodium, Total	EPA 200.7 Rev. 4.4	

Miscellaneous

1,4-Dioxane	EPA 522
Turbidity	EPA 180.1 Rev. 2.0

Non-Metals

Alkalinity	SM 21-23 2320B (-97)
Calcium Hardness	EPA 200.7 Rev. 4.4
Chloride	EPA 300.0 Rev. 2.1
Color	SM 21-23 2120B (-01)
Fluoride, Total	EPA 300.0 Rev. 2.1
Orthophosphate (as P)	SM 19, 21-23 4500-P E (-99)
Solids, Total Dissolved	SM 21-23 2540C (-97)
Specific Conductance	EPA 120.1 Rev. 1982
Sulfate (as SO4)	EPA 300.0 Rev. 2.1
Trihalomethanes	

Bromodichloromethane EPA 524.2

Department of Health

Serial No.: 67728





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Trihalomethanes

Bromoform	EPA 524.2
Chloroform	EPA 524.2
Dibromochloromethane	EPA 524.2
Volatile 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
n-Propylbenzene	EPA 524.2
p-Isopropyltoluene (P-Cymene)	EPA 524.2
sec-Butylbenzene	EPA 524.2
Styrene	EPA 524.2
tert-Butylbenzene	EPA 524.2
Toluene	EPA 524.2
Total Xylenes	EPA 524.2

Department of Health

Serial No.: 67728





Expires 12:01 AM April 01, 2024 Issued April 01, 2023 Revised April 04, 2023

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Volatile Halocarbons

1,1,1,2-Tetrachloroethane	EPA 524.2
1,1,1-Trichloroethane	EPA 524.2
1,1,2-Trichloroethane	EPA 524.2
1,1-Dichloroethane	EPA 524.2
1,1-Dichloroethene	EPA 524.2
1,1-Dichloropropene	EPA 524.2
1,2,3-Trichloropropane	EPA 524.2
1,2-Dichloroethane	EPA 524.2
1,2-Dichloropropane	EPA 524.2
1,3-Dichloropropane	EPA 524.2
2,2-Dichloropropane	EPA 524.2
Bromochloromethane	EPA 524.2
Bromomethane	EPA 524.2
Carbon tetrachloride	EPA 524.2
Chloroethane	EPA 524.2
Chloromethane	EPA 524.2
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

of Health

Serial No.: 67728





APPENDIX C

NYS DOH Lead Testing in School Drinking Water Program Reviews and Updates 2023



Lead Testing in School Drinking Water 10 NYCRR Subpart 67-4 Program Review and Updates 2023

Bureau of Water Supply Protection NYS Department of 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 (NYS DOH) 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 liter.





Regulatory History

- The NYS DOH established a 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 regulation was adopted on May 9, 2018
- Public Health Law Section 1110 was amended by Governor Hochul on December 23, 2021, requiring changes to Subpart 67-4
- Revisions to the Public Health Law (PHL) Section 1110 went into effect on December 22, 2022





April 21, 2023



Summary of PHL Revisions

Monitoring

- Action Level lowered from 15 ppb to 5 ppb
- Compliance monitoring will be every **3 years** (previously every 5 years)
- "Lead-free" buildings no longer exempt from testing requirements

Response

 All water provided to school staff/students in response to an outlet being taken out of service must be free of charge

Reporting

 Schools must now include copies of lab reports of the lead testing results on their websites



"Lead-Free" Buildings No Longer Exempt

The original legislation for 67-4 had an exemption from sampling for any school building, facility, addition, or wing with internal plumbing that met the new definition of "lead-free" (as defined by Section 1417 of the Federal Safe Drinking Water Act) from sampling.

- A building was deemed lead-free if:
 - The building was built after January 4, 2014, OR -
 - A NYS Professional Engineer or Architect certifies the building to be lead-free.
- The revisions to Public Health Law removes this exemption.
- All buildings will be required to conduct lead testing at all applicable outlets.





Changes to Key elements of Subpart 67-4

- Action Level now 5 ppb
- Sampling requirements no change
- Response must supply water free of charge when appropriate
- Public Notification no change
- Reporting must include lab reports on school website
- Recordkeeping no change





Compliance Period 2023 - 2025

Schools must complete *initial first-draw* sampling for the 2023-2025 Compliance Period between:

January 1, 2023 – December 31, 2025





April 21, 2023

Sampling Locations



"Applicable" sampling locations requiring sampling 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.



"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 they have some "nonapplicable" outlets, the school must develop a plan that details how those outlets will <u>not</u> be accessed and/or utilized for drinking or cooking purposes.

Examples "Applicable" Outlets

- bubblers/drinking fountains
- classroom sinks
- classroom combination sinks and drinking fountains
- kitchen sinks
- kitchen kettle filler outlets
- ice machines

- family and consumer sciences room sinks
- teachers' lounge sinks
- nurse's office sinks
- athletic field outlets
- Any other sink known to be or potentially used for consumption (e.g., used to make coffee in the office, etc.)



"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 <u>does not require</u> 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



Guidance on Bathroom Sinks

Lavatory / Bathroom Sinks

Toilet rooms and bathrooms are building environments that can present unique challenges to water potability. These challenges are reflected in various code provisions that prohibit the installation of drinking facilities, drinking fountains, water coolers and water dispensers within toilet rooms and bathrooms.

NYS DOH would not object to designating these outlets nonapplicable where controls (e.g. education and signage) exist to prevent the consumption of water.

The school should include these outlets in the Remedial Action Plan with details on how their potential use will be mitigated.



Guidance for Classroom Sinks

Classroom sinks: If the outlet is used for drinking and/or cooking, it must be sampled.

However, if the school has controls in place to prevent the consumption of water, these outlets may be excluded from sampling. Superintendents, or their designees, have the responsibility to identify which outlets meet the regulation requirements for testing ("applicable outlets"). If a Superintendent or their designee determines that a school has outlets that fall outside the scope of the regulation (outlets not used or potentially used for drinking or cooking ("nonapplicable outlets"), the school must develop a Remedial Action Plan that includes details on how those outlets will not be accessed and utilized for drinking or cooking purposes.



Guidance on Tempered Outlets "Non-applicable outlets"

<u>Tempered outlet</u>: an outlet that provides water with a temperature between 80 -110°F; generally, applies to bathroom fixtures in schools, gymnasiums, hotels, airports, bus and railroad stations.

The DOH 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 are not required to be sampled. 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.



"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 18 hours before sample collection
 - This timeframe represents water that would be consumed during normal operating conditions on any school day.
- Recommended sampling times
 - While school is in session; not during or immediately after weekends, vacations or routine flushing programs;
 - following normal operation of school (e.g. Tuesday Saturday mornings)









The action level for lead in school drinking water is **5 micrograms per liter** (µg/L) or parts per billion (ppb).

- Lead test results ≤ 5 ppb do *not* exceed the lead action level, and therefore do not require further testing or remediation until the next compliance cycle.
- Lead test results > 5 ppb (i.e., 5.1 ppb, or greater) exceeds the lead action level, and will require the outlet to be taken out of service and a remediation action plan to be implemented.



Guidance for outlets with test results > 5 ppb from previous compliance testing

Sampling at outlets where results from previous compliance testing (prior to December 22,2022) have exceeded 5 ppb should be a priority.

First-draw tap testing at these outlets should be completed as soon as practicable and mitigation/remediation commenced where levels are detected above the new action level of 5 ppb.



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



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

Signage









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Post-Remediation Testing

- 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.
- Post-remediation tests results need to be reported:
 - In the DOH's HERDS application on HCS
 - On the school's website within the same reporting timeframes/ requirements as specified for the initial sampling



Public Notification Requirements

- Within 1 business day of receipt of laboratory reports:
 - Report all exceedances (lead result greater than 5 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 DOH's electronic reporting system, HERDS accessed through HCS. This information is posted on the DOH's's website for the public
- Within 6 weeks of receipt of laboratory reports:



Post copies of <u>lab reports</u> of test results 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. 2023-25)





Recordkeeping Requirements

- 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., SED, NYS Department of Labor)
- Copies of documents must be provided to the DOH, the SED, or the local health department upon request





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
- 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



Electronic Reporting in HCS/HERDS

- Within 10 business days of receipt of laboratory reports Summary of data and sampling information must be reported in the DOH's electronic reporting system, **HERDS**, accessed through HCS. Summary data includes:
 - General information, website address
 - Number of outlets sampled, sampling information
 - Summary of Lead analysis results
 - Response and remediation status
- A new HERDS reporting form for the 2023-2025 compliance period is now live.





Commerce System	Health Electronic Response Data System (HERDS)			යි Home ⊽	A My Content ♥	Q Search	🔁 Help 🗢	€→ Log out
E Level Selector	General Information I understand that the information I am reporting is for the lead testing in school drinking water program for the 2023-2025 compliance period. 	2 3 🗨						
 ♀ Permission Profiles 戶 Forms Management 	 Enter the website address where the laboratory reports are posted for the results of your school's lead testing of drinking water program. 		•					
Data Entry Reports Admin	Sampling Information J. I acknowledge that all samples must be analyzed by an environmental laboratory certified by the NYS DOH's Environmental Laboratory Approval Program (ELAP) to conduct lead in drinking water analysis.	□ ⊘						
Message Center	4. How many total outlets have been identified by the school that require sampling for lead?	0						
lick Here To Minimize Sidebar	5. How many outlets were sampled for initial first-draw compliance testing in 2023?	0						
User: kem01 (State) About Comments Help ession idle time expires in 60 min	6. How many outlets were sampled for initial first-draw compliance testing in 2024?	0						
	7. How many outlets were sampled for initial first-draw compliance testing in 2025?	0						
	8. Is all sampling complete for the 2023-2025 compliance period?	Select a value 🗸 🕐						
	Lead Results							
	9. Enter the total number of outlets with a lead result less than or equa (This number should be updated throughout the compliance period to lead test result less than or equal to 5 ppb).		•					
	10. Enter the total number of outlets with a lead result greater than the (This number should be updated throughout the compliance period to lead test result greater than 5 ppb).							
	11. Has your school received laboratory reports for all initial first-draw period?	v samples collected for this compliance	Select a value 🗸 🍞					
	Response and Remediation							
	12. Have the outlets with lead results greater than the action level (5 p are appropriate controls in place to ensure water is not used for drinki		Select a value 🗸 📀					
	13. Identify the status of remediation. (Examples of remediation includ outlets; replacing outlets and/or plumbing; or employing other engine		Select a value 🗸 🍞					
	Attestation							
	By clicking the 'Save and Submit' button, I attest that all the data entered above is true and correct to the best of my knowledge, that I understand that such information shall be used for assessing regulatory compliance, and that I am							

Tying up Loose Ends

- Report lead data for the 2020-21 compliance period *if not already done*.
- Update data in HERDS to reflect the current status
- Update Roles in HCS to reflect current staff assignments for reporting Lead data:
 - School Lead in Drinking Water Reporter role
 - HPN/HCS Coordinator
- The new 2023-25 compliance period is here!
 - Be sure to report data on School website with required timeframes
- Future webinars and outreach activities coming soon...



Questions?

Email Contact:

lead.in.school.drinking.water @health.ny.gov

Phone: 518-402-7650

