



May 09, 2016

Mr. Paul Gibbons
Director of Facilities
Croton-Harmon School District
10 Gerstein Street
Croton-on-Hudson, NY 10502

Re: District-Wide Water Testing for Lead in Water

Dear Mr. Gibbons,

At your request on behalf of the Croton-Harmon School District (CHSD), Louis Berger has conducted district-wide water testing for lead in water. Louis Berger's Industrial Hygiene & Hazmat Manager Mr. Andrew Cheskin and Senior Environmental Scientist Mr. Jeff Leed conducted the water testing on April 20 and 21, 2016. Schools included in the water testing program included:

- ◇ Croton-Harmon High School
- ◇ Pierre-Van Cortlandt Middle School
- ◇ Carrie E. Tompkins Elementary School

Background

As a pro-active and voluntary measure, the CHSD requested that Louis Berger conduct testing of drinking water for all schools in the district. The request was in response to public concerns raised by the revelation of elevated levels of lead in drinking water in the Newark, NJ schools.

There are currently no regulatory requirements for schools supplied by municipal drinking water to test for lead; this is the case for CHSD. Unless a school is a public water system (meaning that it supplies its own water, such as from a well), testing for lead is voluntary. The EPA document entitled "Lead in Drinking Water in Schools and Non-Residential Buildings" suggests a **trigger level of 20 ppb** (parts per billion) be used for initial screening samples be used to identify a potential problem for lead in drinking water.

The 1991 Lead and Copper Rule requires public water suppliers to monitor for lead in drinking water. The Rule requires treatment for corrosive water if lead or copper are found at unacceptable levels. If more than 10% of tap water samples exceed the action level, water systems must take additional steps; **the action for lead is 15 ppb (parts per billion)** or 0.015 mg/liter.

Sampling Methodology

In order to develop a plan to conduct the district-wide testing for lead in water, Louis Berger utilized a 1994 EPA document entitled "Lead in Drinking Water in Schools and Non-Residential Buildings" as a guide; this document advocates a targeted sampling program as opposed to sampling every single drinking water source.

Sampling Plan

In developing the sampling plan, Louis Berger conducted preliminary assessments at each school to help to prioritize where samples would be collected. In general, the primary considerations included drinking water locations:

- ◇ Closest to the water service line entrance.
- ◇ Lower floors
- ◇ Oldest portions of the school
- ◇ Kitchenette and faculty room sinks.

All of the available drinking water sources for each School were included in the sampling plan. Louis Berger noted that at the Carrie E. Tompkins Elementary School there were a large number of drinking water sources inside classrooms; therefore, a larger number of samples were collected there.

Protocols for Water Testing

EPA recommends that a two-step sampling protocol be followed for identifying lead contamination, especially in large schools where many samples may be taken. In Step 1, initial screening samples are collected to identify the location of outlets providing water with high lead levels. In Step 2, follow-up water samples are taken from problem locations. The results of initial and follow-up samples (if necessary) are then compared to determine the sources of lead contamination and to determine appropriate corrective measures.

- ◇ Initial Screening Samples – In Step 1, initial screening samples were taken to determine (1) the lead content of water entering the school and (2) the lead content of water sitting in various outlets within the school. The goal of Step 1 is to identify problem outlets or outlets with high lead concentrations. Initial screening samples involve the collection of "morning, first-draw" water. Morning, first-draw water most often contains the highest concentrations of lead. Such samples will, therefore, generally reflect the "worst case scenario" for a given outlet.
- ◇ Follow-Up Samples – In Step 2, if initial test results reveal lead concentrations greater than 20 ppb for a given outlet, analysis of follow-up samples are analyzed. EPA has established this numeric cut-off, or trigger to ensure that the sources of lead >20ppb contamination in drinking water outlets are identified. Follow-up samples involve the collection of water from an outlet where the water has run for 30 seconds; Louis Berger collected these samples in the same sampling event as the initial screening samples. This sampling approach is designed to analyze the lead content in the water in the plumbing behind the wall and the outlet. A comparison of initial and follow-up samples makes it possible to assess where the lead may be getting into the drinking water: either from the outlet or from the plumbing directly behind the outlet. Louis Berger chose to use the 15 ppb action level for these types of samples.

As the EPA document suggests, water samples were collected before the schools opened and before any water was used. The EPA also recommends that the water should sit in the pipes unused for at least 8 hours but not more than 18 hours before a sample is taken; this was the case for each sample collected. The 8 – 18 hour time distinction is made to ensure that the water collected is representative of the building's normal water use patterns. This sampling methodology provides the best opportunity to determine if a potential problem exists for lead in drinking water at each school without sampling every drinking water location in a school.

Samples were submitted to the RJ Lee Group for analysis while maintaining chain-of-custody. A copy of laboratory results and the chain of custody are presented at the end of this report in Appendix A. The RJ Lee Group is NY State Department of Health approved for analysis of lead in potable water. Laboratory approval can be found in Appendix B.

Assessment Results

The analytical results are presented in the tables on the following pages by School and location within the School. The “A” samples were the initial screening, first draw samples. “B” samples were the follow-up samples that were collected at 30 seconds. Follow-up samples were only analyzed if the initial screening sample exceeded the EPA action level of 15 ppb. Specific discussion for each School is presented below.

Croton-Harmon High School

Three (3) initial screening samples and one (1) follow-up sample exceeded the EPA action level of 15 ppb; results are summarized in the table below.

Sample Type	Location	Result (ppb)
Initial Screening	Nurse’s Exam Room – Room 128B Eye Wash Station	25.7
Initial Screening	Ice Machine Water Supply – Room 172	27.1
Initial Screening	Hallway Outside Room 102 – WF Chilled	17.5
Follow-up	Hallway Outside Room 102 – WF Chilled	17.1

WF = water fountain

For the Room 128B and Room 172 samples, the follow-up samples were well below 15 ppb, indicating the likely source of the elevated level of lead in the water is due to the piping in the immediate area of the sink and not from the main. Additionally, is not likely that the eyewash station is used or flushed regularly.

The follow-up sample from the water fountain in the hallway at Room 102 was essentially at the same level. This could indicate that the source of the lead is not from the pipes in the immediate area, but from a source further downstream. However, sources of lead from chilled water fountains could include the following:

- ◇ Some fountains with chillers manufactured before 1988 may have storage tanks lined with materials containing lead.
- ◇ Sediments and debris containing lead on screens or in the plumbing; and
- ◇ Lead solder in the plumbing.

Pierre-Van Cortlandt Middle School

None of the initial screening samples exceeded the EPA action level of 15 ppb.

Carrie E. Tompkins Elementary School

One (1) initial screening sample exceeded the EPA action level of 15 ppb; results are summarized in the table below.

Sample Type	Location	Result (ppb)
Initial Screening	Classroom 3 WF (associated with sink)	23.6

WF = water fountain

For this initial screening sample that exceeded 15 ppb, the follow-up sample was below 15 ppb, indicating the likely source of the elevated level of lead in the water is due to the piping in the immediate area of the sink and not from the main.

Assessment Results Summary Tables

Croton-Harmon High School				
Sample ID	Date	Time	Location	Lead Level (ppb)
1A	04/20/16	6:16	Conference Room 138 Sink	6.01
2A	04/20/16	6:20	Admin. Office 136 Sink	11.1
3A	04/20/16	6:22	Nurse's Exam Room 128B Eye Wash Station	25.7
3B	04/20/16	6:22	Nurse's Exam Room 128B Eye Wash Station	1.92
4A	04/20/16	6:24	Nurse's Room 128 Sink	2.26
5A	04/20/16	6:25	Entry Corridor 150 WF A (left) Chilled	1.23
6A	04/20/16	6:26	Entry Corridor 150 WF B (left) Chilled	1.36
7A	04/20/16	6:29	Study Hall/Cafeteria 154 Corridor WF A (left) Chilled	ND
8A	04/20/16	6:30	Study Hall/Cafeteria 154 Corridor WF B (left) Chilled	ND
9A	04/20/16	6:32	Within Girls Locker Room in Corridor 151 WF	6.05
10A	04/20/16	6:34	Within Boys Locker Room in Corridor 151 WF	2.69
11A	04/20/16	6:36	Within Team Locker Room 169 WF	5.05
12A	04/20/16	6:40	Ice Machine Water Supply Room 172	27.1
12B	04/20/16	6:40	Ice Machine Water Supply Room 172	2.56
13A	04/20/16	6:43	Study Hall/Cafeteria 154 Sink	8.06
14A	04/20/16	6:45	Faculty Room 109 Sink	7.93
15A	04/20/16	6:48	Hallway Outside Room 102 WF Chilled	17.5
15B	04/20/16	6:48	Hallway Outside Room 102 WF Chilled	17.1
16A	04/20/16	6:55	Hallway Outside Room 201F WF Chilled	ND
17A	04/20/16	6:57	Hallway Outside Room 209 WF Chilled	1.35

Croton-Harmon High School				
Sample ID	Date	Time	Location	Lead Level (ppb)
18A	04/20/16	6:58	Hallway Outside Room 230 WF A (right) Chilled	ND
19A	04/20/16	6:59	Hallway Outside Room 230 WF B (left) Chilled	1.19
20A	04/20/16	7:01	Library Kitchenette Sink	1.81
21A	04/20/16	6:51	Hallway Outside Room 301 WF Chilled	ND
22A	04/20/16	6:53	Hallway Outside Room 309 WF Chilled	1.48

WF = water fountain ND = not detected

Pierre-Van Cortlandt Middle School				
Sample ID	Date	Time	Location	Lead Level (ppb)
1A	04/21/16	7:41	Boys Locker Room 114 WF Chilled	1.19
2A	04/21/16	7:42	Girls Locker Room 113 WF Chilled	*
2B	04/21/16	7:42	Girls Locker Room 113 WF Chilled	1.14
3A	04/21/16	7:44	Lobby Space 100 WF A (left) Chilled	ND
4A	04/21/16	7:45	Lobby Space 100 WF B (right) Chilled	ND
5A	04/21/16	7:38	Cafeteria/Study Hall 118 Sink	2.61
6A	04/21/16	7:28	Hallway Outside Room 224 WF Chilled	ND
7A	04/21/16	7:32	Hallway Outside Room 223 WF Chilled	ND
8A	04/21/16	7:31	Faculty Dining Room 232 Sink	3.80
9A	04/21/16	7:51	Home Career Room 233 Sink A (left)	1.36
10A	04/21/16	7:52	Home Career Room 233 Sink B (middle)	4.35
11A	04/21/16	7:54	Home Career Room 233 Sink C (right)	2.02
12A	04/21/16	7:55	Nurse's Office Sink	ND
13A	04/21/16	7:35	Lobby Space 200 WF A (left) Chilled	ND
14A	04/21/16	7:36	Lobby Space 200 WF B (right) Chilled	ND
15A	04/21/16	7:20	Hallway Outside Room 311 WF Chilled	ND
16A	04/21/16	7:22	Hallway Outside Room 308 WF Chilled	ND
17A	04/21/16	7:24	Library Office Room 302B Sink	1.82
18A	04/21/16	7:16	Hallway Outside Room 409 WF Chilled	ND
19A	04/21/16	7:18	Hallway Outside Room 407 WF Chilled	ND

WF = water fountain ND = not detected

*Sample 2A leaked during shipment and could not be analyzed. Sample 2B was analyzed instead.

Carrie E. Tompkins Elementary School				
Sample ID	Date	Time	Location	Lead Level (ppb)
1A	04/20/16	05:06	Hallway Outside Room 117 WF Chilled	ND
2A	04/20/16	05:08	Hallway Outside Room 114 WF	4.92
3A	04/20/16	05:11	Hallway Outside Room 217 WF Chilled	ND
4A	04/20/16	05:13	Hallway Outside Room 214 WF	10.3
5A	04/20/16	05:16	Faculty Room 208 Sink	7.22
6A	04/20/16	05:18	Hallway Outside Room 40D WF	3.87
7A	04/20/16	05:20	Hallway Outside Room 40C WF	2.57
8A	04/20/16	05:22	Main Entry WF A (left) Chilled	8.96
9A	04/20/16	05:23	Main Entry WF B (middle) Chilled	3.43
10A	04/20/16	05:24	Main Entry WF C (right) Chilled	ND
11A	04/20/16	05:26	Outside Cafeteria WF	1.08
12A	04/20/16	05:28	Cafeteria Sink	2.60
13A	04/20/16	05:32	Principal's Office Faculty Sink	ND
14A	04/20/16	05:33	Nurse's Office Sink	1.22
15A	04/20/16	05:35	Classroom 3 WF (assoc. with sink)	23.6
15B	04/20/16	05:35	Classroom 3 WF (assoc. with sink)	10.8
16A	04/20/16	05:37	Hallway Outside Girl's Room 26E WF A (left) Chilled	ND
17A	04/20/16	05:38	Hallway Outside Girl's Room 26E WF B (left) Chilled	ND
18A	04/20/16	05:39	Kindergarten Room 18 WF	1.96
19A	04/20/16	05:41	Kindergarten Room 19 WF	ND
20A	04/20/16	05:42	Kindergarten Room 20 WF	1.12
21A	04/20/16	05:43	Kindergarten Room 21 WF	*
21B	04/20/16	05:43	Kindergarten Room 21 WF	ND
22A	04/20/16	05:45	Kindergarten Room 22 WF	1.03
23A	04/20/16	05:47	Kindergarten Room 23 WF	ND
24A	04/20/16	05:49	1 st Grade Room 10 WF	8.07
25A	04/20/16	05:50	1 st Grade Room 9 WF	3.78
26A	04/20/16	05:51	1 st Grade Room 11 WF	7.28
27A	04/20/16	05:52	1 st Grade Room 8 WF	3.45
28A	04/20/16	05:53	1 st Grade Room 12 WF	3.38
29A	04/20/16	05:54	1 st Grade Room 7 WF	8.23
30A	04/20/16	06:05	Exterior Field WF	5.29

WF = water fountain ND = not detected

*Sample 21A was not received in shipment. Sample 21B was analyzed instead.

Conclusions and Recommendations

As this was a targeted sampling event intended to get a general picture (a snapshot) of the lead content of the drinking water within the Croton-Harmon School District, it cannot be stated that every drinking water source is below the action level. However, overall indications are positive, based upon the results.

At the Middle School all nineteen (19) of the samples were below the EPA action level of 15 ppb.

At the Croton-Harmon High School., three (3) initial screening samples and one (1) follow-up sample exceeded the EPA action level; the other 21 samples were below the action level.

At the Carrie E. Tompkins Elementary School., one (1) initial screening sample exceeded the EPA action level of 15 ppb; the other 26 samples were below the action level.

At the locations where the initial screening samples for drinking water sources where the EPA action level was exceeded, further sampling and investigation may be necessary (upon concurrence from CHSD) to determine the potential source of lead in the water. These locations include:

- ◇ Ice Machine Water Supply – Room 172 in High School
- ◇ Water Fountain – Hallway Outside Room 102 in High School
- ◇ Water Fountain – Classroom 3 in Elementary School.

In the interest of occupational health and safety, Louis Berger makes the following recommendations:

- ◇ For the Carrie E. Tompkins Elementary School and Croton-Harmon High School – the EPA guidance document recommends establishing a flushing program as a routine, interim control measure:
 - ✓ Once a week on Monday's – flush the interior plumbing. To do this, locate the faucet furthest away from the service line on each wing and floor of the building, open the faucets wide, and let the water run for 10 minutes.
 - ✓ Daily flushing – for the eyewash located in the nurses office of the High School+ the water fountain in Classroom 3 in the Elementary School.. Let the water run for one minute.
 - ✓ Temporarily remove from service – ice machine + water fountain in the hallway outside Room 102 in the High School. This interim measure is recommended until the source of the lead can be identified.
- ◇ For all Schools – clean all faucet aerators (if present) for all sources used for drinking and/or cooking. Lead bearing sediment may end up in drinking water from physical corrosion of leaded solder and can build up in the aerator over time.
- ◇ Consider making a detailed plumbing profile for each School; this would be useful for future testing and would be an aid in locating any future problems that may occur and prioritizing remedial actions, as needed. Louis Berger could assist CHSD with this task.

- ◇ Consider additional testing for any drinking water sources (not included in the testing above) that have brass pipes, fittings, faucets, and valves. Brass fittings commonly used in drinking water outlets could contain up to 8 percent lead.
- ◇ Consider establishing a program for periodic testing for lead in drinking water within the CHSD.

Limitations, Exceptions and Assumptions

Opinions and recommendations presented in this report apply to site conditions and features as they existed at the time of Louis Berger’s site visits, and those reasonably foreseeable. They cannot necessarily apply to conditions and features of which Louis Berger is unaware and has not had the opportunity to evaluate.

The conclusions presented in this report are professional opinions based solely upon Louis Berger’s visual observations of accessible areas, laboratory test data, and current regulatory requirements. These conclusions are intended exclusively for the purpose state herein, at the sites indicated, and for the project indicated.

It is important to recognize that this was a targeted sampling program as opposed to sampling program for every single drinking water source. Therefore, Louis Berger cannot act as insurers and cannot “certify” that all drinking water sources within Schools of the CHSD have been identified or are “safe”.

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 me at (212) 612-7943 or Mr. Craig Napolitano, CHMM at (212) 612-7961.

Sincerely,

Joseph L. Sbarra, CIH

Joseph L. Sbarra, CIH
Manager, Industrial Hygiene

cc: C. Napolitano

APPENDIX A
LABORATORY RESULTS
CHAIN-OF-CUSTODY

LABORATORY REPORT

 Louis Berger & Associates, PC
 48 Wall Street
 16th Floor
 New York, NY 10005

 Attn: Craig Napolitano
 Phone: 212-612-7961

Email: cnapolitano@louisberger.com

 RJ Lee Group Job No.: CRH1040702
 RJ Lee Group Chemistry Job No.: PA210420160018
 Samples Received: April 26, 2016
 Report Date: April 28, 2016
 Client Project: 3001317.00-Croton Harmon High School
 Purchase Order No.: N/A
 Prep/Analysis: EPA 200.8 / EPA 200.8-PA

Client Sample ID	RJ Lee Group ID	Sampling Date	Preparation/ Analysis	Analyte	Matrix	Sample Concentration Total µg/L (PPB)	Minimum Reporting Limit µg/L (PPB)	Analysis Date	Q
1A Conference Room 138 Sink	PA210420160018-001	04/20/2016	EPA 200.8 / EPA 200.8-PA	Lead	Drinking Water	6.01	1.00	04/26/2016	PNCV
2A Admin. Office 136 Sink	PA210420160018-003	04/20/2016	EPA 200.8 / EPA 200.8-PA	Lead	Drinking Water	11.1	1.00	04/26/2016	PNCV
3A Nurse's Exan Room 128B Eye Wash Station	PA210420160018-005	04/20/2016	EPA 200.8 / EPA 200.8-PA	Lead	Drinking Water	25.7	1.00	04/26/2016	PNCV
3B Nurse's Exan Room 128B Eye Wash Station	PA210420160018-006	04/20/2016	EPA 200.8 / EPA 200.8-PA	Lead	Drinking Water	1.92	1.00	04/26/2016	PNCV
4A Nurse's Room 128 Sink	PA210420160018-007	04/20/2016	EPA 200.8 / EPA 200.8-PA	Lead	Drinking Water	2.26	1.00	04/26/2016	PNCV
5A Entry Corridor 150 WF A (left) Chilled	PA210420160018-009	04/20/2016	EPA 200.8 / EPA 200.8-PA	Lead	Drinking Water	1.23	1.00	04/26/2016	PNCV
6A Entry Corridor 150 WF 8 (right) Chilled	PA210420160018-011	04/20/2016	EPA 200.8 / EPA 200.8-PA	Lead	Drinking Water	1.36	1.00	04/26/2016	PNCV
7A Study Hall/Cafeteria 154 Corridor WF A (left) Chilled	PA210420160018-013	04/20/2016	EPA 200.8 / EPA 200.8-PA	Lead	Drinking Water	< 1.00	1.00	04/26/2016	PNCV
8A Study Hall/Cafeteria 154 Corridor WF B (right) Chilled	PA210420160018-015	04/20/2016	EPA 200.8 / EPA 200.8-PA	Lead	Drinking Water	< 1.00	1.00	04/26/2016	PNCV
9A Within Girls Locker Room in Corridor 151 WF	PA210420160018-017	04/20/2016	EPA 200.8 / EPA 200.8-PA	Lead	Drinking Water	6.05	1.00	04/26/2016	PNCV
10A Within Boys Locker Room in Corridor 151 WF	PA210420160018-019	04/20/2016	EPA 200.8 / EPA 200.8-PA	Lead	Drinking Water	2.69	1.00	04/26/2016	PNCV
11A Within Team Locker Room 169 WF	PA210420160018-021	04/20/2016	EPA 200.8 / EPA 200.8-PA	Lead	Drinking Water	5.05	1.00	04/26/2016	PNCV
12A Ice Machine Water Supply Room 172	PA210420160018-023	04/20/2016	EPA 200.8 / EPA 200.8-PA	Lead	Drinking Water	27.1	1.00	04/26/2016	PNCV
12B Ice Machine Water Supply Room 172	PA210420160018-024	04/20/2016	EPA 200.8 / EPA 200.8-PA	Lead	Drinking Water	2.56	1.00	04/26/2016	PNCV
13A Study Hall/Cafeteria 154 Food Prep Sink	PA210420160018-025	04/20/2016	EPA 200.8 / EPA 200.8-PA	Lead	Drinking Water	8.06	1.00	04/26/2016	PNCV
14A Faculty Room 109 Sink	PA210420160018-027	04/20/2016	EPA 200.8 / EPA 200.8-PA	Lead	Drinking Water	7.93	1.00	04/26/2016	PNCV
15A Hallway Outside Room 102 WF Chilled	PA210420160018-029	04/20/2016	EPA 200.8 / EPA 200.8-PA	Lead	Drinking Water	17.5	1.00	04/26/2016	PNCV
15B Hallway Outside Room 102 WF Chilled	PA210420160018-030	04/20/2016	EPA 200.8 / EPA 200.8-PA	Lead	Drinking Water	17.1	1.00	04/26/2016	PNCV
16A Hallway Outside Room 201F WF Chilled	PA210420160018-031	04/20/2016	EPA 200.8 / EPA 200.8-PA	Lead	Drinking Water	< 1.00	1.00	04/26/2016	PNCV
17A Hallway Outside Room 209 WF Chilled	PA210420160018-033	04/20/2016	EPA 200.8 / EPA 200.8-PA	Lead	Drinking Water	1.35	1.00	04/26/2016	PNCV
18A Hallway Outside Room 230 WF A (right) Chilled	PA210420160018-035	04/20/2016	EPA 200.8 / EPA 200.8-PA	Lead	Drinking Water	< 1.00	1.00	04/26/2016	PNCV
19A Hallway Outside Room 230 WF B (left) Chilled	PA210420160018-037	04/20/2016	EPA 200.8 / EPA 200.8-PA	Lead	Drinking Water	1.19	1.00	04/26/2016	PNCV
20A Library Kitchenette Sink	PA210420160018-039	04/20/2016	EPA 200.8 / EPA 200.8-PA	Lead	Drinking Water	1.81	1.00	04/26/2016	PNCV
21A Hallway Outside Room 301 WF Chilled	PA210420160018-041	04/20/2016	EPA 200.8 / EPA 200.8-PA	Lead	Drinking Water	< 1.00	1.00	04/26/2016	PNCV
22A Hallway Outside Room 309 WF Chilled	PA210420160018-043	04/20/2016	EPA 200.8 / EPA 200.8-PA	Lead	Drinking Water	1.48	1.00	04/26/2016	PNCV



 Philip Grindle
 Laboratory Supervisor

LABORATORY REPORT

 Louis Berger & Associates, PC
 48 Wall Street
 16th Floor
 New York, NY 10005

 Attn: Craig Napolitano
 Phone: 212-612-7961

Email: cnapolitano@louisberger.com

 RJ Lee Group Job No.: CRH1040702
 RJ Lee Group Chemistry Job No.: PA210420160018
 Samples Received: April 26, 2016
 Report Date: April 28, 2016
 Client Project: 3001317.00-Croton Harmon High School
 Purchase Order No.: N/A
 Prep/Analysis: EPA 200.8 / EPA 200.8-PA

Client Sample ID	RJ Lee Group ID	Sampling Date	Preparation/ Analysis	Analyte	Matrix	Sample Concentration Total µg/L (PPB)	Minimum Reporting Limit µg/L (PPB)	Analysis Date	Q
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Analyst Comments:

Report Qualifiers (Q):

P : PA-DEP Accredited (PA DEP Lab ID 02-00396, NELAP)

N : NY ELAP Accredited (NY ELAP Lab Code 10884)

C : CA ELAP Accredited (CA ELAP Certificate 1970)

V : VA Accredited (VA DCLS Lab ID 00297, NELAP)

O : LA LELAP Accredited (LA DEQ Agency Interest 94775)

— : Test (analyte-matrix-preparation-analysis) is performed under RJLG's General Quality System requirements and is not part to any of the above scopes of accreditations

E = Value above highest calibration standard

J = Value below lowest calibration standard but above MDL (Method Detection Limit)

L = LCS (Laboratory Control Standard)/SRM (Standard Reference Material) recovery outside accepted recovery limits

H = Holding times for preparation or analysis exceeded

B = Analyte detected in the associated Method Blank

S = Spike Recovery outside accepted limits

R = RPD (relative percent difference) outside accepted limits

D = RL (reporting limit verification) outside accepted limits

NP = Not Provided

These results are submitted pursuant to RJ Lee Group's current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions. No responsibility or liability is assumed for the manner in which the results are used or interpreted. Unless notified in writing to return the samples covered by this report, RJ Lee Group will store the samples for a period of thirty (30) days before discarding. A shipping and handling fee will be assessed for the return of any samples.

This laboratory operates in accord with ISO 17025:2005 guidelines, and holds a limited scope of accreditations under different accrediting agencies; refer to <http://www.rjlg.com/about-us/accreditations/> for more information and current status. This report may not be used to claim product endorsement by any laboratory accrediting agency. The results contained in this report relate only to the items tested or to the sample(s) as received by the laboratory. Any reproduction of this document must be in full for the report to be valid.

Unless otherwise noted (either in the comments section of the report and/or with the appropriate qualifiers under the report qualifiers (Q) column) the following apply: (a) Samples were received in good condition, (b) All QC samples are within acceptable established limits, (c) All samples designated as NELAP meet the requirements of the NELAC standard; if not applicable qualifiers will be used to designate the non-compliance and (d) Results have not been blank corrected. Quality Control data is available upon request.



 Philip Grindle
 Laboratory Supervisor

Lead (Pb) Chain of Custody

~~EMSL Order ID (non-essential)~~

PHONE:
FAX:

Company: Louis Berger		Bill to: <input type="checkbox"/> Different <input checked="" type="checkbox"/> Same <small>If Bill to is Different note instructions in Comments**</small>	
Street: 48 Wall Street, 16th Floor		<i>Third Party Billing requires written authorization from third party</i>	
City: New York	State/Province: NY	Zip/Postal Code: 10005	Country: USA
Report To (Name): Craig Napolitano		Telephone #: 212-612-7961	
Email Address: cnapolitano@louisberger.com		Fax #:	Purchase Order:
Project Name/Number: 3001317.00 - Croton Harmon HS		Please Provide Results: <input type="checkbox"/> FAX <input checked="" type="checkbox"/> E-mail <input type="checkbox"/> Mail	
U.S. State Samples Taken: New York		CT Samples: <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> Residential/Tax Exempt	

Turnaround Time (TAT) Options* - Please Check

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

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

Matrix	Method	Instrument	Reporting Limit	Check
Chips <input type="checkbox"/> % by wt. <input type="checkbox"/> mg/cm ² <input type="checkbox"/> ppm	SW846-7000B	Flame Atomic Absorption	0.01%	<input type="checkbox"/>
Air	NIOSH 7082	Flame Atomic Absorption	4 µg/filter	<input type="checkbox"/>
	NIOSH 7105	Graphite Furnace AA	0.03 µg/filter	<input type="checkbox"/>
	NIOSH 7300 modified	ICP-AES/ICP-MS	0.5 µg/filter	<input type="checkbox"/>
Wipe* ASTM <input type="checkbox"/> non ASTM <input type="checkbox"/> <small>*if no box is checked, non-ASTM Wipe is assumed</small>	SW846-7000B	Flame Atomic Absorption	10 µg/wipe	<input type="checkbox"/>
	SW846-6010B or C	ICP-AES	1.0 µg/wipe	<input type="checkbox"/>
	SW846-7000B/7010	Graphite Furnace AA	0.075 µg/wipe	<input type="checkbox"/>
TCLP	SW846-1311/7000B/SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	SW846-1131/SW846-6010B or C	ICP-AES	0.1 mg/L (ppm)	<input type="checkbox"/>
Soil	SW846-7000B	Flame Atomic Absorption	40 mg/kg (ppm)	<input type="checkbox"/>
	SW846-7010	Graphite Furnace AA	0.3 mg/kg (ppm)	<input type="checkbox"/>
	SW846-6010B or C	ICP-AES	2 mg/kg (ppm)	<input type="checkbox"/>
Wastewater Unpreserved <input type="checkbox"/> Preserved with HNO ₃ pH < 2 <input type="checkbox"/>	SM3111B/SW846-7000B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)	<input type="checkbox"/>
	EPA 200.7	ICP-AES	0.020 mg/L (ppm)	<input type="checkbox"/>
Drinking Water Unpreserved <input type="checkbox"/> Preserved with HNO ₃ pH < 2 <input checked="" type="checkbox"/>	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)	<input type="checkbox"/>
	EPA 200.8	ICP-MS	0.001 mg/L (ppm)	<input checked="" type="checkbox"/>
TSP/SPM Filter	40 CFR Part 50	ICP-AES	12 µg/filter	<input type="checkbox"/>
	40 CFR Part 50	Graphite Furnace AA	3.6 µg/filter	<input type="checkbox"/>
Other:				<input type="checkbox"/>

Name of Sampler:		Signature of Sampler:	
Sample #	Location	Volume/Area	Date/Time Sampled
1A	Conference Room 138 Sink	250 ML	4/20/16 @ 6:16 am
1B	Conference Room 138 Sink	250 ML	4/20/16 @ 6:16 am
2A	Admin. Office 136 Sink	250 ML	4/20/16 @ 6:20 am
2B	Admin. Office 136 Sink	250 ML	4/20/16 @ 6:20 am
3A	Nurse's Exam Room 128B Eye Wash Station	250 ML	4/20/16 @ 6:22 am

Client Sample #'s: - **Total # of Samples:** 44

Relinquished (Client): Drew Cheskin	Date: 4/21/16	Time: 10:31 am
Received (Lab): Alexander Tard	Date: 4/21/16	Time: 10:31 am

Comments:
Only analyze B sample if A sample is above 15 ppb

LEAD (Pb) CHAIN OF CUSTODY

PHONE:
FAX:

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
3B	Nurse's Exam Room 128B Eye Wash Station	250 ML	4/20/16 @ 6:22 am
4A	Nurse's Room 128 Sink	250 ML	4/20/16 @ 6:24 am
4B	Nurse's Room 128 Sink	250 ML	4/20/16 @ 6:24 am
5A	Entry Corridor 150 WF A (left) Chilled	250 ML	4/20/16 @ 6:25 am
5B	Entry Corridor 150 WF A (left) Chilled	250 ML	4/20/16 @ 6:25 am
6A	Entry Corridor 150 WF B (right) Chilled	250 ML	4/20/16 @ 6:26 am
6B	Entry Corridor 150 WF B (right) Chilled	250 ML	4/20/16 @ 6:26 am
7A	Study Hall/Cafeteria 154 Corridor WF A (left) Chilled	250 ML	4/20/16 @ 6:29 am
7B	Study Hall/Cafeteria 154 Corridor WF A (left) Chilled	250 ML	4/20/16 @ 6:29 am
8A	Study Hall/Cafeteria 154 Corridor WF B (right) Chilled	250 ML	4/20/16 @ 6:30 am
8B	Study Hall/Cafeteria 154 Corridor WF B (right) Chilled	250 ML	4/20/16 @ 6:30 am
9A	Within Girls Locker Room in Corridor 151 WF	250 ML	4/20/16 @ 6:32 am
9B	Within Girls Locker Room in Corridor 151 WF	250 ML	4/20/16 @ 6:32 am
10A	Within Boys Locker Room in Corridor 151 WF	250 ML	4/20/16 @ 6:34 am
10B	Within Boys Locker Room in Corridor 151 WF	250 ML	4/20/16 @ 6:34 am
11A	Within Team Locker Room 169 WF	250 ML	4/20/16 @ 6:36 am
11B	Within Team Locker Room 169 WF	250 ML	4/20/16 @ 6:36 am
12A	Ice Machine Water Supply Room 172	250 ML	4/20/16 @ 6:40 am
Comments/Special Instructions:			
Only analyze B sample if A sample is above 15 ppb			

LEAD (Pb) CHAIN OF CUSTODY



PHONE:
FAX:

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
12B	Ice Machine Water Supply Room 172	250 ML	4/20/16 @ 6:40 am
13A	Study Hall/Cafeteria 154 Food Prep Sink	250 ML	4/20/16 @ 6:43 am
13B	Study Hall/Cafeteria 154 Food Prep Sink	250 ML	4/20/16 @ 6:43 am
14A	Faculty Room 109 Sink	250 ML	4/20/16 @ 6:45 am
14B	Faculty Room 109 Sink	250 ML	4/20/16 @ 6:45 am
15A	Hallway Outside Room 102 WF Chilled	250 ML	4/20/16 @ 6:48 am
15B	Hallway Outside Room 102 WF Chilled	250 ML	4/20/16 @ 6:48 am
16A	Hallway Outside Room 201F WF Chilled	250 ML	4/20/16 @ 6:55 am
16B	Hallway Outside Room 201F WF Chilled	250 ML	4/20/16 @ 6:55 am
17A	Hallway Outside Room 209 WF Chilled	250 ML	4/20/16 @ 6:57 am
17B	Hallway Outside Room 209 WF Chilled	250 ML	4/20/16 @ 6:57 am
18A	Hallway Outside Room 230 WF A (right) Chilled	250 ML	4/20/16 @ 6:58 am
18B	Hallway Outside Room 230 WF A (right) Chilled	250 ML	4/20/16 @ 6:58 am
19A	Hallway Outside Room 230 WF B (left) Chilled	250 ML	4/20/16 @ 6:59 am
19B	Hallway Outside Room 230 WF B (left) Chilled	250 ML	4/20/16 @ 6:59 am
20A	Library Kitchenette Sink	250 ML	4/20/16 @ 7:01 am
20B	Library Kitchenette Sink	250 ML	4/20/16 @ 7:01 am
21A	Hallway Outside Room 301 WF Chilled	250 ML	4/20/16 @ 6:51 am
Comments/Special Instructions:			
Only analyze B sample if A sample is above 15 ppb			

LABORATORY REPORT

 Louis Berger & Associates, PC
 48 Wall Street
 16th Floor
 New York, NY 10005

 Attn: Craig Napolitano
 Phone: 212-612-7961

Email: cnapolitano@louisberger.com

 RJ Lee Group Job No.: CRH1040702
 RJ Lee Group Chemistry Job No.: PA210420160019
 Samples Received: April 26, 2016
 Report Date: April 28, 2016
 Client Project: 3001317.00 Croton Harmon PVC MS
 Purchase Order No.: N/A
 Prep/Analysis: EPA 200.8 / EPA 200.8-PA

Client Sample ID	RJ Lee Group ID	Sampling Date	Preparation/ Analysis	Analyte	Matrix	Sample Concentration Total µg/L (PPB)	Minimum Reporting Limit µg/L (PPB)	Analysis Date	Q
1A Boys Locker Room 114 WF Chilled	PA210420160019-001	04/21/2016	EPA 200.8 / EPA 200.8-PA	Lead	Drinking Water	1.19	1.00	04/26/2016	PNCV
2B Girls Locker Room 113 WF Chilled	PA210420160019-004	04/21/2016	EPA 200.8 / EPA 200.8-PA	Lead	Drinking Water	1.14	1.00	04/26/2016	PNCV
3A Lobby Space 100 WF A (left) Chilled	PA210420160019-005	04/21/2016	EPA 200.8 / EPA 200.8-PA	Lead	Drinking Water	< 1.00	1.00	04/26/2016	PNCV
4A Lobby Space 100 WF B (right) Chilled	PA210420160019-007	04/21/2016	EPA 200.8 / EPA 200.8-PA	Lead	Drinking Water	< 1.00	1.00	04/26/2016	PNCV
5A Cafeteria/Study Hall 118 Food Prep Sink	PA210420160019-009	04/21/2016	EPA 200.8 / EPA 200.8-PA	Lead	Drinking Water	2.61	1.00	04/26/2016	PNCV
6A Hallway Outside Room 224 WF Chilled	PA210420160019-011	04/21/2016	EPA 200.8 / EPA 200.8-PA	Lead	Drinking Water	< 1.00	1.00	04/26/2016	PNCV
7A Hallway Outside Room 223 WF Chilled	PA210420160019-013	04/21/2016	EPA 200.8 / EPA 200.8-PA	Lead	Drinking Water	< 1.00	1.00	04/26/2016	PNCV
8A Faculty Dining Room 232 Sink	PA210420160019-015	04/21/2016	EPA 200.8 / EPA 200.8-PA	Lead	Drinking Water	3.80	1.00	04/26/2016	PNCV
9A Home Career Room 233 Sink A (left)	PA210420160019-017	04/21/2016	EPA 200.8 / EPA 200.8-PA	Lead	Drinking Water	1.36	1.00	04/26/2016	PNCV
10A Home Career Room 233 Sink 8 (middle)	PA210420160019-019	04/21/2016	EPA 200.8 / EPA 200.8-PA	Lead	Drinking Water	4.35	1.00	04/26/2016	PNCV
11A Home Career Room 233 Sink C (right)	PA210420160019-021	04/21/2016	EPA 200.8 / EPA 200.8-PA	Lead	Drinking Water	2.02	1.00	04/26/2016	PNCV
12A Nurse's Office Sink	PA210420160019-023	04/21/2016	EPA 200.8 / EPA 200.8-PA	Lead	Drinking Water	< 1.00	1.00	04/26/2016	PNCV
13A Lobby Space 200 WF A (left) Chilled	PA210420160019-025	04/21/2016	EPA 200.8 / EPA 200.8-PA	Lead	Drinking Water	< 1.00	1.00	04/26/2016	PNCV
14A Lobby Space 200 WF 8 (right) Chilled	PA210420160019-027	04/21/2016	EPA 200.8 / EPA 200.8-PA	Lead	Drinking Water	< 1.00	1.00	04/26/2016	PNCV
15A Hallway Outside Room 311 WF Chilled	PA210420160019-029	04/21/2016	EPA 200.8 / EPA 200.8-PA	Lead	Drinking Water	< 1.00	1.00	04/26/2016	PNCV
16A Hallway Outside Room 308 WF Chilled	PA210420160019-031	04/21/2016	EPA 200.8 / EPA 200.8-PA	Lead	Drinking Water	< 1.00	1.00	04/26/2016	PNCV
17A Library Office Room 302B Sink	PA210420160019-033	04/21/2016	EPA 200.8 / EPA 200.8-PA	Lead	Drinking Water	1.82	1.00	04/26/2016	PNCV
18A Hallway Outside Room 409 WF Chilled	PA210420160019-035	04/21/2016	EPA 200.8 / EPA 200.8-PA	Lead	Drinking Water	< 1.00	1.00	04/26/2016	PNCV
19A Hallway Outside Room 407 WF Chilled	PA210420160019-037	04/21/2016	EPA 200.8 / EPA 200.8-PA	Lead	Drinking Water	< 1.00	1.00	04/26/2016	PNCV

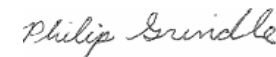
Analyst Comments: Sample 2A leaked during shipment and could not be analyzed. Sample 2B was analyzed instead.

Report Qualifiers (Q):

 P : PA-DEP Accredited (PA DEP Lab ID 02-00396, NELAP)
 N : NY ELAP Accredited (NY ELAP Lab Code 10884)
 C : CA ELAP Accredited (CA ELAP Certificate 1970)
 V : VA Accredited (VA DCLS Lab ID 00297, NELAP)
 O : LA LELAP Accredited (LA DEQ Agency Interest 94775)

 E = Value above highest calibration standard
 J = Value below lowest calibration standard but above MDL (Method Detection Limit)
 L = LCS (Laboratory Control Standard)/SRM (Standard Reference Material) recovery outside accepted recovery limits
 H = Holding times for preparation or analysis exceeded

 B = Analyte detected in the associated Method Blank
 S = Spike Recovery outside accepted limits
 R = RPD (relative percent difference) outside accepted limits
 D = RL (reporting limit verification) outside accepted limits
 NP = Not Provided



 Philip Grindle
 Laboratory Supervisor

LABORATORY REPORT

 Louis Berger & Associates, PC
 48 Wall Street
 16th Floor
 New York, NY 10005

 Attn: Craig Napolitano
 Phone: 212-612-7961

Email: cnapolitano@louisberger.com

 RJ Lee Group Job No.: CRH1040702
 RJ Lee Group Chemistry Job No.: PA210420160019
 Samples Received: April 26, 2016
 Report Date: April 28, 2016
 Client Project: 3001317.00 Croton Harmon PVC MS
 Purchase Order No.: N/A
 Prep/Analysis: EPA 200.8 / EPA 200.8-PA

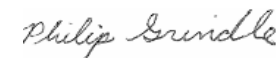
Client Sample ID	RJ Lee Group ID	Sampling Date	Preparation/ Analysis	Analyte	Matrix	Sample Concentration Total µg/L (PPB)	Minimum Reporting Limit µg/L (PPB)	Analysis Date	Q
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— : Test (analyte-matrix-preparation-analysis) is performed under RJLG's General Quality System requirements and is not part of any of the above scopes of accreditations

These results are submitted pursuant to RJ Lee Group's current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions. No responsibility or liability is assumed for the manner in which the results are used or interpreted. Unless notified in writing to return the samples covered by this report, RJ Lee Group will store the samples for a period of thirty (30) days before discarding. A shipping and handling fee will be assessed for the return of any samples.

This laboratory operates in accord with ISO 17025:2005 guidelines, and holds a limited scope of accreditations under different accrediting agencies; refer to <http://www.rjlg.com/about-us/accreditations/> for more information and current status. This report may not be used to claim product endorsement by any laboratory accrediting agency. The results contained in this report relate only to the items tested or to the sample(s) as received by the laboratory. Any reproduction of this document must be in full for the report to be valid.

Unless otherwise noted (either in the comments section of the report and/or with the appropriate qualifiers under the report qualifiers (Q) column) the following apply: (a) Samples were received in good condition, (b) All QC samples are within acceptable established limits, (c) All samples designated as NELAP meet the requirements of the NELAC standard; if not applicable qualifiers will be used to designate the non-compliance and (d) Results have not been blank corrected. Quality Control data is available upon request.



 Philip Grindle
 Laboratory Supervisor

Lead (Pb) Chain of Custody

~~XXXXXXXXXX Lab Use Only~~

PHONE: _____
 FAX: _____

Company: Louis Berger		Bill to: <input type="checkbox"/> Different <input checked="" type="checkbox"/> Same <small>If Bill to is Different note instructions in Comments**</small>	
Street: 48 Wall Street, 16th Floor		<i>Third Party Billing requires written authorization from third party</i>	
City: New York	State/Province: NY	Zip/Postal Code: 10005	Country: USA
Report To (Name): Craig Napolitano		Telephone #: 212-612-7961	
Email Address: cnapolitano@louisberger.com		Fax #:	Purchase Order:
Project Name/Number: 3001317.00 - Croton Harmon PVC MS		Please Provide Results: <input type="checkbox"/> FAX <input checked="" type="checkbox"/> E-mail <input type="checkbox"/> Mail	
U.S. State Samples Taken: New York		CT Samples: <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> Residential/Tax Exempt	

Turnaround Time (TAT) Options* - Please Check

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

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

Matrix	Method	Instrument	Reporting Limit	Check
Chips <input type="checkbox"/> % by wt <input type="checkbox"/> mg/cm ² <input type="checkbox"/> ppm	SW846-7000B	Flame Atomic Absorption	0.01%	<input type="checkbox"/>
Air	NIOSH 7082	Flame Atomic Absorption	4 µg/filter	<input type="checkbox"/>
	NIOSH 7105	Graphite Furnace AA	0.03 µg/filter	<input type="checkbox"/>
	NIOSH 7300 modified	ICP-AES/ICP-MS	0.5 µg/filter	<input type="checkbox"/>
Wipe* ASTM <input type="checkbox"/> non ASTM <input type="checkbox"/> <small>*if no box is checked, non-ASTM Wipe is assumed</small>	SW846-7000B	Flame Atomic Absorption	10 µg/wipe	<input type="checkbox"/>
	SW846-6010B or C	ICP-AES	1.0 µg/wipe	<input type="checkbox"/>
	SW846-7000B/7010	Graphite Furnace AA	0.075 µg/wipe	<input type="checkbox"/>
TCLP	SW846-1311/7000B/SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	SW846-1131/SW846-6010B or C	ICP-AES	0.1 mg/L (ppm)	<input type="checkbox"/>
Soil	SW846-7000B	Flame Atomic Absorption	40 mg/kg (ppm)	<input type="checkbox"/>
	SW846-7010	Graphite Furnace AA	0.3 mg/kg (ppm)	<input type="checkbox"/>
	SW846-6010B or C	ICP-AES	2 mg/kg (ppm)	<input type="checkbox"/>
Wastewater Unpreserved <input type="checkbox"/> Preserved with HNO₃ pH < 2 <input type="checkbox"/>	SM3111B/SW846-7000B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)	<input type="checkbox"/>
	EPA 200.7	ICP-AES	0.020 mg/L (ppm)	<input type="checkbox"/>
Drinking Water Unpreserved <input type="checkbox"/> Preserved with HNO₃ pH < 2 <input checked="" type="checkbox"/>	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)	<input type="checkbox"/>
	EPA 200.8	ICP-MS	0.001 mg/L (ppm)	<input checked="" type="checkbox"/>
TSP/SPM Filter	40 CFR Part 50	ICP-AES	12 µg/filter	<input type="checkbox"/>
	40 CFR Part 50	Graphite Furnace AA	3.6 µg/filter	<input type="checkbox"/>
Other:				<input type="checkbox"/>

Name of Sampler:		Signature of Sampler:	
Sample #	Location	Volume/Area	Date/Time Sampled
1A	Boys Locker Room 114 WF Chilled	250 ML	4/21/16 @ 7:11am
1B	Boys Locker Room 114 WF Chilled	250 ML	4/21/16 @ 7:11am
2A	Girls Locker Room 113 WF Chilled	250 ML	4/21/16 @ 7:42am
2B	Girls Locker Room 113 WF Chilled	250 ML	4/21/16 @ 7:42am
3A	Lobby Space 100 WF A (left) Chilled	250 ML	4/21/16 @ 7:44am

Client Sample #'s	-	Total # of Samples:	38
Relinquished (Client):		Date:	
Received (Lab):		Date:	042516
Comments:		Time:	10 ^u

Only analyze B sample if A sample is above 15 ppm

LEAD (Pb) CHAIN OF CUSTODY

PHONE
FAX

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
3B	Lobby Space 100 WF A (left) Chilled	250 ML	4/21/16 @ 7:41am
4A	Lobby Space 100 WF B (right) Chilled	250 ML	4/21/16 @ 7:45am
4B	Lobby Space 100 WF B (right) Chilled	250 ML	4/21/16 @ 7:45am
5A	Cafeteria/Study Hall 118 Food Prep Sink	250 ML	4/21/16 @ 7:38am
5B	Cafeteria/Study Hall 118 Food Prep Sink	250 ML	4/21/16 @ 7:38am
6A	Hallway Outside Room 224 WF Chilled	250 ML	4/21/16 @ 7:28am
6B	Hallway Outside Room 224 WF Chilled	250 ML	4/21/16 @ 7:28am
7A	Hallway Outside Room 223 WF Chilled	250 ML	4/21/16 @ 7:32am
7B	Hallway Outside Room 223 WF Chilled	250 ML	4/21/16 @ 7:32am
8A	Faculty Dining Room 232 Sink	250 ML	4/21/16 @ 7:31am
8B	Faculty Dining Room 232 Sink	250 ML	4/21/16 @ 7:31am
9A	Home Career Room 233 Sink A (left)	250 ML	4/21/16 @ 7:51am
9B	Home Career Room 233 Sink A (left)	250 ML	4/21/16 @ 7:51am
10A	Home Career Room 233 Sink B (middle)	250 ML	4/21/16 @ 7:52am
10B	Home Career Room 233 Sink B (middle)	250 ML	4/21/16 @ 7:52am
11A	Home Career Room 233 Sink C (right)	250 ML	4/21/16 @ 7:54am
11B	Home Career Room 233 Sink C (right)	250 ML	4/21/16 @ 7:54am
12A	Nurse's Office Sink	250 ML	4/21/16 @ 7:55am
Comments/Special Instructions: Only analyze B sample if A sample is above 15 ppb			

LEAD (Pb) CHAIN OF CUSTODY

Phone _____
Fax _____

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
12B	Nurse's Office Sink	250 ML	4/21/16 @ 7:56am
13A	Lobby Space 200 WF A (left) Chilled	250 ML	4/21/16 @ 7:35am
13B	Lobby Space 200 WF A (left) Chilled	250 ML	4/21/16 @ 7:35am
14A	Lobby Space 200 WF B (right) Chilled	250 ML	4/21/16 @ 7:36am
14B	Lobby Space 200 WF B (right) Chilled	250 ML	4/21/16 @ 7:36am
15A	Hallway Outside Room 311 WF Chilled	250 ML	4/21/16 @ 7:20am
15B	Hallway Outside Room 311 WF Chilled	250 ML	4/21/16 @ 7:21am
16A	Hallway Outside Room 308 WF Chilled	250 ML	4/21/16 @ 7:22am
16B	Hallway Outside Room 308 WF Chilled	250 ML	4/21/16 @ 7:22am
17A	Library Office Room 302B Sink	250 ML	4/21/16 @ 7:24am
17B	Library Office Room 302B Sink	250 ML	4/21/16 @ 7:24am
18A	Hallway Outside Room 409 WF Chilled	250 ML	4/21/16 @ 7:16am
18B	Hallway Outside Room 409 WF Chilled	250 ML	4/21/16 @ 7:16am
19A	Hallway Outside Room 407 WF Chilled	250 ML	4/21/16 @ 7:18am
19B	Hallway Outside Room 407 WF Chilled	250 ML	4/21/16 @ 7:18 am
Comments/Special Instructions:			
Only analyze B sample if A sample is above 15 ppb			

LABORATORY REPORT

 Louis Berger & Associates, PC
 48 Wall Street
 16th Floor
 New York, NY 10005

 Attn: Craig Napolitano
 Phone: 212-612-7961

Email: cnapolitano@louisberger.com

 RJ Lee Group Job No.: CRH1040702
 RJ Lee Group Chemistry Job No.: PA210420160020
 Samples Received: April 26, 2016
 Report Date: April 28, 2016
 Client Project: 3001317.00-Croton Harmon CET ES
 Purchase Order No.: N/A
 Prep/Analysis: EPA 200.8 / EPA 200.8-PA

Client Sample ID	RJ Lee Group ID	Sampling Date	Preparation/ Analysis	Analyte	Matrix	Sample Concentration Total µg/L (PPB)	Minimum Reporting Limit µg/L (PPB)	Analysis Date	Q
1A Hallway Outside Room 117 WF Chilled	PA210420160020-001	04/20/2016	EPA 200.8 / EPA 200.8-PA	Lead	Drinking Water	< 1.00	1.00	04/27/2016	PNCV
2A Hallway Outside Room 114 WF	PA210420160020-003	04/20/2016	EPA 200.8 / EPA 200.8-PA	Lead	Drinking Water	4.92	1.00	04/27/2016	PNCV
3A Hallway Outside Room 217 WF Chilled	PA210420160020-005	04/20/2016	EPA 200.8 / EPA 200.8-PA	Lead	Drinking Water	< 1.00	1.00	04/27/2016	PNCV
4A Hallway Outside Room 214 WF	PA210420160020-007	04/20/2016	EPA 200.8 / EPA 200.8-PA	Lead	Drinking Water	10.3	1.00	04/27/2016	PNCV
5A Faculty Room 208 Sink	PA210420160020-009	04/20/2016	EPA 200.8 / EPA 200.8-PA	Lead	Drinking Water	7.22	1.00	04/27/2016	PNCV
6A Hallway Outside Room 40D WF	PA210420160020-011	04/20/2016	EPA 200.8 / EPA 200.8-PA	Lead	Drinking Water	3.87	1.00	04/27/2016	PNCV
7A Hallway Outside Room 40C WF	PA210420160020-013	04/20/2016	EPA 200.8 / EPA 200.8-PA	Lead	Drinking Water	2.57	1.00	04/27/2016	PNCV
8A Main Entry WF A (Left)	PA210420160020-015	04/20/2016	EPA 200.8 / EPA 200.8-PA	Lead	Drinking Water	8.96	1.00	04/27/2016	PNCV
9A Main Entry WF B (Middle) Chilled	PA210420160020-017	04/20/2016	EPA 200.8 / EPA 200.8-PA	Lead	Drinking Water	3.43	1.00	04/27/2016	PNCV
10A Main Entry WF 8 (Right) Chilled	PA210420160020-019	04/20/2016	EPA 200.8 / EPA 200.8-PA	Lead	Drinking Water	< 1.00	1.00	04/27/2016	PNCV
11A Outside Cafeteria WF	PA210420160020-021	04/20/2016	EPA 200.8 / EPA 200.8-PA	Lead	Drinking Water	1.08	1.00	04/27/2016	PNCV
12A Cafeteria Food Prep Sink	PA210420160020-023	04/20/2016	EPA 200.8 / EPA 200.8-PA	Lead	Drinking Water	2.60	1.00	04/27/2016	PNCV
13A Principle's Office Faculty Sink	PA210420160020-025	04/20/2016	EPA 200.8 / EPA 200.8-PA	Lead	Drinking Water	< 1.00	1.00	04/27/2016	PNCV
14A Nurse's Office Sink (with cups)	PA210420160020-027	04/20/2016	EPA 200.8 / EPA 200.8-PA	Lead	Drinking Water	1.22	1.00	04/27/2016	PNCV
15A Classroom 3 WF (assoc. with sink)	PA210420160020-029	04/20/2016	EPA 200.8 / EPA 200.8-PA	Lead	Drinking Water	23.6	1.00	04/27/2016	PNCV
15B Classroom 3 WF (assoc. with sink)	PA210420160020-030	04/20/2016	EPA 200.8 / EPA 200.8-PA	Lead	Drinking Water	10.8	1.00	04/27/2016	PNCV
16A Hallway Outside Girl's Room 26E WF A (Left) Chilled	PA210420160020-031	04/20/2016	EPA 200.8 / EPA 200.8-PA	Lead	Drinking Water	< 1.00	1.00	04/27/2016	PNCV
17A Hallway Outside Girl's Room 26E WF B (Right) Chilled	PA210420160020-033	04/20/2016	EPA 200.8 / EPA 200.8-PA	Lead	Drinking Water	< 1.00	1.00	04/27/2016	PNCV
18A Kindergarten Room 18 WF (assoc. with sink)	PA210420160020-035	04/20/2016	EPA 200.8 / EPA 200.8-PA	Lead	Drinking Water	1.96	1.00	04/27/2016	PNCV
19A Kindergarten Room 19 WF (assoc. with sink)	PA210420160020-037	04/20/2016	EPA 200.8 / EPA 200.8-PA	Lead	Drinking Water	< 1.00	1.00	04/27/2016	PNCV
20A Kindergarten Room 20 WF (assoc. with sink)	PA210420160020-039	04/20/2016	EPA 200.8 / EPA 200.8-PA	Lead	Drinking Water	1.12	1.00	04/27/2016	PNCV
21B Kindergarten Room 21 WF (assoc. with sink)	PA210420160020-042	04/20/2016	EPA 200.8 / EPA 200.8-PA	Lead	Drinking Water	< 1.00	1.00	04/27/2016	PNCV
22A Kindergarten Room 22 WF (assoc. with sink)	PA210420160020-043	04/20/2016	EPA 200.8 / EPA 200.8-PA	Lead	Drinking Water	1.03	1.00	04/27/2016	PNCV
23A Kindergarten Room 23WF (assoc. with sink)	PA210420160020-045	04/20/2016	EPA 200.8 / EPA 200.8-PA	Lead	Drinking Water	< 1.00	1.00	04/27/2016	PNCV
24A 1st Grade Room 10 WF (assoc. with sink)	PA210420160020-047	04/20/2016	EPA 200.8 / EPA 200.8-PA	Lead	Drinking Water	8.07	1.00	04/27/2016	PNCV
25A 1st Grade Room 9 WF (assoc. with sink)	PA210420160020-049	04/20/2016	EPA 200.8 / EPA 200.8-PA	Lead	Drinking Water	3.78	1.00	04/27/2016	PNCV
26A 1st Grade Room 11 WF (assoc. with sink)	PA210420160020-051	04/20/2016	EPA 200.8 / EPA 200.8-PA	Lead	Drinking Water	7.28	1.00	04/27/2016	PNCV



 Philip Grindle
 Laboratory Supervisor

LABORATORY REPORT

 Louis Berger & Associates, PC
 48 Wall Street
 16th Floor
 New York, NY 10005

 Attn: Craig Napolitano
 Phone: 212-612-7961

Email: cnapolitano@louisberger.com

 RJ Lee Group Job No.: CRH1040702
 RJ Lee Group Chemistry Job No.: PA210420160020
 Samples Received: April 26, 2016
 Report Date: April 28, 2016
 Client Project: 3001317.00-Croton Harmon CET ES
 Purchase Order No.: N/A
 Prep/Analysis: EPA 200.8 / EPA 200.8-PA

Client Sample ID	RJ Lee Group ID	Sampling Date	Preparation/ Analysis	Analyte	Matrix	Sample Concentration Total µg/L (PPB)	Minimum Reporting Limit µg/L (PPB)	Analysis Date	Q
27A 1st Grade Room 8 WF (assoc. with sink)	PA210420160020-053	04/20/2016	EPA 200.8 / EPA 200.8-PA	Lead	Drinking Water	3.45	1.00	04/27/2016	PNCV
28A 1st Grade Room 12 WF (assoc. with sink)	PA210420160020-055	04/20/2016	EPA 200.8 / EPA 200.8-PA	Lead	Drinking Water	3.38	1.00	04/27/2016	PNCV
29A 1st Grade Room 7 WF (assoc. with sink)	PA210420160020-057	04/20/2016	EPA 200.8 / EPA 200.8-PA	Lead	Drinking Water	8.23	1.00	04/27/2016	PNCV
30A Exterior Field WF	PA210420160020-059	04/20/2016	EPA 200.8 / EPA 200.8-PA	Lead	Drinking Water	5.29	1.00	04/27/2016	PNCV

Analyst Comments: Sample 21A was not received in shipment. Sample 21B was analyzed instead.

Report Qualifiers (Q):

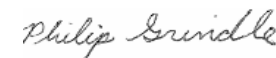
P : PA-DEP Accredited (PA DEP Lab ID 02-00396, NELAP)	E = Value above highest calibration standard	B = Analyte detected in the associated Method Blank
N : NY ELAP Accredited (NY ELAP Lab Code 10884)	J = Value below lowest calibration standard but above MDL (Method Detection Limit)	S = Spike Recovery outside accepted limits
C : CA ELAP Accredited (CA ELAP Certificate 1970)	L = LCS (Laboratory Control Standard)/SRM (Standard Reference Material) recovery outside accepted recovery limits	R = RPD (relative percent difference) outside accepted limits
V : VA Accredited (VA DCLS Lab ID 00297, NELAP)	H = Holding times for preparation or analysis exceeded	D = RL (reporting limit verification) outside accepted limits
O : LA LELAP Accredited (LA DEQ Agency Interest 94775)		NP = Not Provided

— : Test (analyte-matrix-preparation-analysis) is performed under RJLG's General Quality System requirements and is not part to any of the above scopes of accreditations

These results are submitted pursuant to RJ Lee Group's current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions. No responsibility or liability is assumed for the manner in which the results are used or interpreted. Unless notified in writing to return the samples covered by this report, RJ Lee Group will store the samples for a period of thirty (30) days before discarding. A shipping and handling fee will be assessed for the return of any samples.

This laboratory operates in accord with ISO 17025:2005 guidelines, and holds a limited scope of accreditations under different accrediting agencies; refer to <http://www.rjlg.com/about-us/accreditations/> for more information and current status. This report may not be used to claim product endorsement by any laboratory accrediting agency. The results contained in this report relate only to the items tested or to the sample(s) as received by the laboratory. Any reproduction of this document must be in full for the report to be valid.

Unless otherwise noted (either in the comments section of the report and/or with the appropriate qualifiers under the report qualifiers (Q) column) the following apply: (a) Samples were received in good condition, (b) All QC samples are within acceptable established limits, (c) All samples designated as NELAP meet the requirements of the NELAC standard; if not applicable qualifiers will be used to designate the non-compliance and (d) Results have not been blank corrected. Quality Control data is available upon request.



 Philip Grindle
 Laboratory Supervisor

Lead (Pb) Chain of Custody

~~EMSL Order ID #~~

PHONE:
FAX:

Company: Louis Berger		Bill to: <input type="checkbox"/> Different <input checked="" type="checkbox"/> Same <small>If Bill to is Different note instructions in Comments**</small>	
Street: 48 Wall Street, 16th Floor		<i>Third Party Billing requires written authorization from third party</i>	
City: New York	State/Province: NY	Zip/Postal Code: 10005	Country: USA
Report To (Name): Craig Napolitano		Telephone #: 212-612-7961	
Email Address: cnapolitano@louisberger.com		Fax #:	Purchase Order:
Project Name/Number: 3001317.00 - Croton Harmon CET ES		Please Provide Results: <input type="checkbox"/> FAX <input checked="" type="checkbox"/> E-mail <input type="checkbox"/> Mail	
U.S. State Samples Taken: New York		CT Samples: <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> Residential/Tax Exempt	

Turnaround Time (TAT) Options* - Please Check

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

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

Matrix	Method	Instrument	Reporting Limit	Check
Chips <input type="checkbox"/> % by wt. <input type="checkbox"/> mg/cm ² <input type="checkbox"/> ppm	SW846-7000B	Flame Atomic Absorption	0.01%	<input type="checkbox"/>
Air	NIOSH 7082	Flame Atomic Absorption	4 µg/filter	<input type="checkbox"/>
	NIOSH 7105	Graphite Furnace AA	0.03 µg/filter	<input type="checkbox"/>
	NIOSH 7300 modified	ICP-AES/ICP-MS	0.5 µg/filter	<input type="checkbox"/>
Wipe* <input type="checkbox"/> ASTM <input type="checkbox"/> non ASTM *If no box is checked, non-ASTM Wipe is assumed	SW846-7000B	Flame Atomic Absorption	10 µg/wipe	<input type="checkbox"/>
	SW846-6010B or C	ICP-AES	1.0 µg/wipe	<input type="checkbox"/>
	SW846-7000B/7010	Graphite Furnace AA	0.075 µg/wipe	<input type="checkbox"/>
TCLP	SW846-1311/7000B/SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	SW846-1131/SW846-6010B or C	ICP-AES	0.1 mg/L (ppm)	<input type="checkbox"/>
Soil	SW846-7000B	Flame Atomic Absorption	40 mg/kg (ppm)	<input type="checkbox"/>
	SW846-7010 *	Graphite Furnace AA	0.3 mg/kg (ppm)	<input type="checkbox"/>
	SW846-6010B or C	ICP-AES	2 mg/kg (ppm)	<input type="checkbox"/>
Wastewater Unpreserved <input type="checkbox"/> Preserved with HNO ₃ pH < 2 <input type="checkbox"/>	SM3111B/SW846-7000B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)	<input type="checkbox"/>
	EPA 200.7	ICP-AES	0.020 mg/L (ppm)	<input type="checkbox"/>
Drinking Water Unpreserved <input type="checkbox"/> Preserved with HNO ₃ pH < 2 <input checked="" type="checkbox"/>	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)	<input type="checkbox"/>
	EPA 200.8	ICP-MS	0.001 mg/L (ppm)	<input checked="" type="checkbox"/>
TSP/SPM Filter	40 CFR Part 50	ICP-AES	12 µg/filter	<input type="checkbox"/>
	40 CFR Part 50	Graphite Furnace AA	3.6 µg/filter	<input type="checkbox"/>
Other:				<input type="checkbox"/>

Name of Sampler:		Signature of Sampler:	
Sample #	Location	Volume/Area	Date/Time Sampled
1A	Hallway Outside Room 117 WF Chilled	250 ML	4/20/16 @ 5:06 am
1B	Hallway Outside Room 117 WF Chilled	250 ML	4/20/16 @ 5:06 am
2A	Hallway Outside Room 114 WF	250 ML	4/20/16 @ 5:08 am
2B	Hallway Outside Room 114 WF	250 ML	4/20/16 @ 5:08 am
3A	Hallway Outside Room 217 WF Chilled	250 ML	4/20/16 @ 5:11 am

Client Sample #'s	-	Total # of Samples:	60
Relinquished (Client):	<i>Drawn Chester</i>	Date:	<i>4/21/16</i>
Received (Lab):	<i>Alexandra Lewis</i>	Date:	<i>4/21/16</i>
Comments:	<i>Jelly</i>	Time:	<i>10:31 am</i>
<small>Only analyze B sample if A sample is above 15 ppb</small>			<i>10⁰⁰ am</i>

LEAD (Pb) CHAIN OF CUSTODY

XXXXXXXXXX ID / Lab / Use Only

PHONE:
FAX:

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
3B	Hallway Outside Room 217 WF Chilled	250 ML	4/20/16 @ 5:11 am
4A	Hallway Outside Room 214 WF	250 ML	4/20/16 @ 5:13 am
4B	Hallway Outside Room 214 WF	250 ML	4/20/16 @ 5:13 am
5A	Faculty Room 208 Sink	250 ML	4/20/16 @ 5:16 am
5B	Faculty Room 208 Sink	250 ML	4/20/16 @ 5: 16 am
6A	Hallway Outside Room 40D WF	250 ML	4/20/16 @ 5:18 am
6B	Hallway Outside Room 40D WF	250 ML	4/20/16 @ 5:18 am
7A	Hallway Outside Room 40C WF	250 ML	4/20/16 @ 5:20 am
7B	Hallway Outside Room 40DC WF	250 ML	4/20/16 @ 5:20 am
8A	Main Entry WF A (Left)	250 ML	4/20/16 @ 5:22 am
8B	Main Entry WF A (Left)	250 ML	4/20/16 @ 5:22 am
9A	Main Entry WF B (Middle) Chilled	250 ML	4/20/16 @ 5:23 am
9B	Main Entry WF B (Middle) Chilled	250 ML	4/20/16 @ 5:23 am
10A	Main Entry WF B (Right) Chilled	250 ML	4/20/16 @ 5:24 am
10B	Main Entry WF B (Right) Chilled	250 ML	4/20/16 @ 5:24 am
11A	Outside Cafeteria WF	250 ML	4/20/16 @ 5:26 am
11B	Outside Cafeteria WF	250 ML	4/20/16 @ 5:26 am
12A	Cafeteria Food Prep Sink	250 ML	4/20/16 @ 5:28 am
Comments/Special Instructions: Only analyze B sample if A sample is above 15 ppb			

LEAD (Pb) CHAIN OF CUSTODY

~~EMERGENCY USE ONLY~~

PHONE:
FAX:

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
21B	Kindergarten Room 21 WF (assoc. with sink)	250 ML	4/20/16 @ 5:43 am
22A	Kindergarten Room 22 WF (assoc. with sink)	250 ML	4/20/16 @ 5:45 am
22B	Kindergarten Room 22 WF (assoc. with sink)	250 ML	4/20/16 @ 5:45 am
23A	Kindergarten Room 23 WF (assoc. with sink)	250 ML	4/20/16 @ 5:47 am
23B	Kindergarten Room 23 WF (assoc. with sink)	250 ML	4/20/16 @ 5:47 am
24A	1st Grade Room 10 WF (assoc. with sink)	250 ML	4/20/16 @ 5:49 am
24B	1st Grade Room 10 WF (assoc. with sink)	250 ML	4/20/16 @ 5:49 am
25A	1st Grade Room 9 WF (assoc. with sink)	250 ML	4/20/16 @ 5:50 am
25B	1st Grade Room 9 WF (assoc. with sink)	250 ML	4/20/16 @ 5:50 am
26A	1st Grade Room 11 WF (assoc. with sink)	250 ML	4/20/16 @ 5:51 am
26B	1st Grade Room 11 WF (assoc. with sink)	250 ML	4/20/16 @ 5:51 am
27A	1st Grade Room 8 WF (assoc. with sink)	250 ML	4/20/16 @ 5:52 am
27B	1st Grade Room 8 WF (assoc. with sink)	250 ML	4/20/16 @ 5:52 am
28A	1st Grade Room 12 WF (assoc. with sink)	250 ML	4/20/16 @ 5:53 am
28B	1st Grade Room 12 WF (assoc. with sink)	250 ML	4/20/16 @ 5:53 am
29A	1st Grade Room 7 WF (assoc. with sink)	250 ML	4/20/16 @ 5:54 am
29B	1st Grade Room 7 WF (assoc. with sink)	250 ML	4/20/16 @ 5:54 am
30A	Exterior Field WF	250 ML	4/20/16 @ 6:05 am

Comments/Special Instructions:

Only analyze B sample if A sample is above 15 ppb

APPENDIX B
LABORATORY APPROVAL

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2017
Issued April 01, 2016

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

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

DR. LYKOURGOS IORDANIDIS
RJ LEE GROUP INC
350 HOCHBERG RD
MONROEVILLE, PA 15146

NY Lab Id No: 10884

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:

Disinfection By-products

Bromide EPA 300.0 Rev. 2.1

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 200.8 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

EPA 200.8 Rev. 5.4

Selenium, Total EPA 200.8 Rev. 5.4

Silver, Total EPA 200.7 Rev. 4.4

EPA 200.8 Rev. 5.4

Zinc, Total EPA 200.7 Rev. 4.4

EPA 200.8 Rev. 5.4

Metals II

Aluminum, Total EPA 200.7 Rev. 4.4

EPA 200.8 Rev. 5.4

Antimony, Total EPA 200.8 Rev. 5.4

Metals II

Beryllium, Total EPA 200.8 Rev. 5.4

Molybdenum, Total EPA 200.7 Rev. 4.4

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

Boron, Total EPA 200.7 Rev. 4.4

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

Asbestos EPA 100.2

Turbidity SM 18-22 2130 B (-01)

Non-Metals

Chloride EPA 300.0 Rev. 2.1

Fluoride, Total EPA 300.0 Rev. 2.1

Nitrate (as N) EPA 300.0 Rev. 2.1

Nitrite (as N) EPA 300.0 Rev. 2.1

Orthophosphate (as P) EPA 300.0 Rev. 2.1

Solids, Total Dissolved SM 18-22 2540C (-97)

Serial No.: 54065

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.



NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2017
Issued April 01, 2016

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

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DR. LYKOURGOS IORDANIDIS
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MONROEVILLE, PA 15146

NY Lab Id No: 10884

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

Specific Conductance	SM 18-22 2510B (-97)
Sulfate (as SO ₄)	EPA 300.0 Rev. 2.1



Department
of Health

Serial No.: 54065

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.

