INDUSTRIAL HYGIENE REPORT

Prepared For:

Achieve Community Charter School
534 Clinton Avenue
Newark, New Jersey 07108

Report Presented To:

Milton Tannis
Director of Facilities
Newark, New Jersey 07108

Report Prepared By:

Garden State Environmental, Inc.
555 South Broad Street, Suite K
Glen Rock, New Jersey 07452

Date of Report:

March 17, 2020

I. INTRODUCTION:

The subject of this report is a Lead in Drinking Water sampling event conducted on January 18, 2020, by Tara E. Ekiert, B.S., an Industrial Hygienist from Garden State Environmental, Inc., (GSE) at 234 Clinton Avenue, New Jersey.

Milton Tannis, Director of Facilities for Achieve Community Charter School, has retained GSE to test drinking water outlets at the above listed address to comply with the New Jersey Department of Education Lead in Drinking Water (NJDOE LDW) regulations. The investigation consisted of a walkthrough of the building to create a plumbing profile and sampling plan, which took place on January 17, 2020, and a collection of environmental samples which were subject to laboratory analysis on January 18, 2020.

Our findings are summarized below.

II. BACKGROUND:

The subject building is a one-story charter school constructed in 1969. All classrooms for grades kindergarten through sixth are located on the first/main floor of the building. The school also includes a basement used for storage only. The drinking water outlets found within this facility include bubblers, water coolers, sinks and a dishwashing spout.

The potable water service line enters the school in the basement on the Clinton Avenue side of the building. Potable water pipes inside of the school consist of plastic, galvanized metal, cast iron and copper.

Health Effects of Lead

High levels of lead in drinking water can cause health problems. Lead is most dangerous for pregnant women, infants, and children under 6 years of age. It can cause damage to the brain and kidneys, and can interfere with the production of red blood cells that carry oxygen to all parts of your body. Exposure to high levels of lead during pregnancy contributes to low birth weight and developmental delays in infants. In young children, lead exposure can lower IQ levels, affect hearing, reduce attention span, and hurt school performance. At *very* high levels, lead can even cause brain damage. Adults with kidney problems and high blood pressure can be affected by low levels of lead more than healthy adults.

How Lead Enters our Water

Lead is unusual among drinking water contaminants in that it seldom occurs naturally in water supplies like groundwater, rivers and lakes. Lead enters drinking water primarily as a result of the corrosion, or wearing away, of materials containing lead in the water distribution system and in building plumbing. These materials include lead-based solder used to join copper pipe, brass, and chrome-plated brass faucets. In 1986, Congress banned the use of lead solder containing greater than 0.2% lead, and restricted the lead content of faucets, pipes and other plumbing materials. However, even the lead in plumbing materials meeting these new requirements is subject to corrosion. When water stands in lead pipes or plumbing systems containing lead for

several hours or more, the lead may dissolve into the drinking water. This means the first water drawn from the tap in the morning *may* contain fairly high levels of lead.

Lead in Drinking Water

Lead in drinking water, although rarely the sole cause of lead poisoning can significantly increase a person's total lead exposure, particularly the exposure of children under the age of 6. EPA estimates that drinking water can make up 20% or more of a person's total exposure to lead.

III. SAMPLING METHODS:

Potable Water

The sampling strategy included a collection of first-draw and post-flush potable water samples from various outlets listed above. All samples were collected in wide mouth 250 ml sterile bottles containing the preservative nitric acid (HNO_3).

Laboratory Analysis

All analysis for this project was conducted by:

International Asbestos Testing Laboratories (iATL)
9000 Commerce Parkway, Suite B
Mount Laurel, New Jersey 08054

iATL ensures their quality control by participating in a quarterly proficiency testing program. The lab has a current accreditation by the American Industrial Hygiene Association's (AIHA) Environmental Microbiology Laboratory Accreditation Program (EMLAP) for Environmental Microbiology. The EMLAP is specifically for labs identifying microorganisms commonly detected in air, fluids, and bulk samples during indoor air quality studies.

AIHA EMPAT # 100188.

Certificates of Laboratory Analysis are included in Appendix I

IV. SAMPLING RESULTS:

Lead in Drinking Water: First Draw Samples – January 18, 2020			
Sample ID	**Location**	**Outlet Type**	**Results (ppb)**
ACCS-1-B-01A	Corridor A: Hall	Bubbler	2.80
ACCS-1-S-01A	Corridor A: Teacher's Lounge	Sink	4.60
ACCS-1-WC-01A	Pass Through by Conference Room-15	Water Cooler	<1.00
ACCS-1-WC-02A	Pass Through by Nurse	Water Cooler	<1.00
ACCS-1-B-02A	Cafeteria Left	Bubbler	4.40
ACCS-1-B-03A	Cafeteria Right (stage side)	Bubbler	8.10
ACCS-1-S-02A	**Kitchen Left**	**Sink**	**14.3**
ACCS-1-S-03A	Kitchen Middle	Sink	8.90
ACCS-1-S-04A	Kitchen Right	Sink	9.10
ACCS-1-SP-01A	**Kitchen**	**Dishwashing Spray Arm**	**142.0**
ACCS-1-B-04A	KA: John Hopkins	Bubbler	6.80
ACCS-1-B-05A	KB: Montclair	Bubbler	4.30
ACCS-1-18-FBA	Field Blank	Field Blank	<1.00

Lead in Drinking Water: Flush Samples – January 18, 2020			
Sample ID	**Location**	**Outlet Type**	**Results (ppb)**
ACCS-1-S-02B	Kitchen Left	Sink	5.90
ACCS-1-SP-01B	**Kitchen**	**Dishwashing Spray Arm**	**132.0**
ACCS-1-18-FBB	Field Blank	Field Blank	<1.00

V. DISCUSSION:

In accordance with the New Jersey Department of Environmental Protection (NJDEP) and USEPA standards, the amount of Lead found in drinking water should not exceed 15 ppb.

A total of twelve (12) outlets were sampled during our testing. One (1) of the outlets (S-02A) showed lead levels very near the NJDOE action level at 14.3 ppb and one (1) outlet showed elevated levels of lead greater than the NJDOE action level at 142.0 ppb. The remaining ten (10) outlets showed a range of lead from non-detect to 9.10 ppb; well within the accepted range.

Due to the results of these (2) outlets, the District was notified and the outlets were immediately taken out of service. Post flush samples for these two outlets were sent to the laboratory for analysis. The results of flush samples showed lead concentrations of S-02B at 5.90 ppb (acceptable) and SP-01B at 132.0 ppb (still elevated).

While lead concentrations of sample S-02 are acceptable, the results suggest that the source of lead may be related to the outlet itself. The lead concentrations of sample SP-01 suggest that the source of lead may be related to the plumbing leading to the outlet and the fixture itself.

Based on our findings we recommend the following steps:

VI. RECOMMENDATIONS

Kitchen Sink Left: S-02

1. Proactively replace the fixture

Kitchen Dishwashing Spray Arm: SP-01

Choose one of the following two options:

1. Replace the fixture and the plumbing leading to the outlet and install a lead filter (this would require ongoing monitoring and replacement of the filter over time)
2. Completely take the outlet out of service if it is not being utilized.

Should you choose to remediate these two (2) outlets; complete repeat sampling (minimum of annually recommended) to ensure the remedial steps were successful.

Additional Recommendations

1. Contact GSE with any questions, to discuss additional findings or to schedule re-sampling of the positive outlets after remediation is completed.

2. If any outlets still show elevated lead levels after remediation, GSE will provide additional remedial recommendations.

3. GSE will complete the QAPP documentation upon receipt of requested information necessary for NJDOE mandated forms.

VII. CONDITIONS/LIMITATIONS

The results and recommendations set forth by GSE in this report will be valid as of the date of the report and are limited to the site condition at the time of investigation.

Please feel free to call GSE with any questions about this report and to discuss the information required for completion of the QAPP.

Thank you for relying on the professional services of GSE. We look forward to further assisting you in properly dealing with the elevated lead in water results.

Respectfully submitted,

Tara E. Ekiert, B.S.
Industrial Hygienist

Bruce D. Wolf, MPA, HO, IH, IEC
Industrial Hygienist
Sr. Vice President

TE/bw/jb

APPENDIX I

LABORATORY CERTIFICATES OF ANALYSIS

iATL INTERNATIONAL
ASBESTOS TESTING LABORATORIES

9000 Commerce Parkway Suite B
Mt. Laurel, New Jersey 08054
Telephone: 856-231-9449
Email: customerservice@iatl.com

CERTIFICATE OF ANALYSIS

Client: Garden State Environmental, Inc.
555 S Broad St. Ste. K
Glen Rock NJ 07452

Client: GAR373

Report Date: 1/23/2020
Report No.: 608188 - Lead Water
Project: Achieve Community Charter School
Project No.: 7676

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:6955946 **Client No.:**ACCS-1-B-01A	**Location:**Corridor A: Hall-First Draw * Sample acidified to pH <2.	**Result(ppb):**2.80
Lab No.:6955947 **Client No.:**ACCS-1-S-01A	**Location:**Corridor A: Teacher's Lounge-First Draw * Sample acidified to pH <2.	**Result(ppb):**4.60
Lab No.:6955948 **Client No.:**ACCS-1-WC-01A	**Location:**Pass Through, Right By Conference Room-15 Minute Flush * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:6955949 **Client No.:**ACCS-1-WC-02A	**Location:**Pass Through, Left By Nurse-15 Minute Flush * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:6955950 **Client No.:**ACCS-1-B-02A	**Location:**Cafe Left-First Draw * Sample acidified to pH <2.	**Result(ppb):**4.40
Lab No.:6955951 **Client No.:**ACCS-1-B-03A	**Location:**Cafe Right; Stage Side-First Draw * Sample acidified to pH <2.	**Result(ppb):**8.10
Lab No.:6955952 **Client No.:**ACCS-1-S-02A	**Location:**Kitchen Left-First Draw * Sample acidified to pH <2.	**Result(ppb):**14.3
Lab No.:6955953 **Client No.:**ACCS-1-S-03A	**Location:**Kitchen Middle-First Draw * Sample acidified to pH <2.	**Result(ppb):**8.90
Lab No.:6955954 **Client No.:**ACCS-1-S-04A	**Location:**Kitchen Right-First Draw * Sample acidified to pH <2.	**Result(ppb):**9.10
Lab No.:6955955 **Client No.:**ACCS-1-SP-01A	**Location:**Kitchen- First Draw * Sample acidified to pH <2.	**Result(ppb):**142

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 1/21/2020
Date Analyzed: 01/23/2020
Signature:
Analyst: Chad Shaffer

Approved By:
Frank E. Ehrenfeld, III
Laboratory Director

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ASBESTOS TESTING LABORATORIES

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Glen Rock NJ 07452

Client: GAR373

Report Date: 1/23/2020
Report No.: 608188 - Lead Water
Project: Achieve Community Charter School
Project No.: 7676

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:6955956 **Location:**KA: John Hopkins-First Draw **Result(ppb):**6.80
Client No.:ACCS-1-B-04A * Sample acidified to pH <2.

Lab No.:6955957 **Location:**KB: Montclair-First Draw **Result(ppb):**4.30
Client No.:ACCS-1-B-05A * Sample acidified to pH <2.

Lab No.:6955958 **Location:**Field Blank **Result(ppb):**<1.00
Client No.:ACCS-1-18-FBA * Sample acidified to pH <2.

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 1/21/2020
Date Analyzed: 01/23/2020
Signature: Chad Shaffer
Analyst: Chad Shaffer

Approved By: Frank E. Ehrenfeld, III
Laboratory Director

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Mt. Laurel, New Jersey 08054
Telephone: 856-231-9449
Email: customerservice@iatl.com

CERTIFICATE OF ANALYSIS

Client:	Garden State Environmental, Inc.	Report Date:	1/23/2020
	555 S Broad St. Ste. K	Report No.:	608188 - Lead Water
	Glen Rock NJ 07452	Project:	Achieve Community Charter School
		Project No.:	7676
Client:	GAR373		

Appendix to Analytical Report:

Customer Contact: Send ALL Lab Reports
Analysis: AAS-GF - ASTM D3559-08D

This appendix seeks to promote greater understanding of any observations, exceptions, special instructions, or circumstances that the laboratory needs to communicate to the client concerning the above samples. The information below is used to help promote your ability to make the most informed decisions for you and your customers. Please note the following points of contact for any questions you may have.

iATL Customer Service: customerservice@iatl.com
iATL OfficeManager: ?wchampion@iatl.com
iATL Account Representative: Kelly Klippel
Sample Login Notes: See Batch Sheet Attached
Sample Matrix: Water
Exceptions Noted: See Following Pages

General Terms, Warrants, Limits, Qualifiers:

General information about iATL capabilities and client/laboratory relationships and responsibilities are spelled out in iATL policies that are listed at www.iATL.com and ir our Quality Assurance Manual per ISO 17025 standard requirements. The information therein is a representation of iATL definitions and policies for turnaround times, sample submittal, collection media, blank definitions, quantification issues and limit of detection, analytical methods and procedures, sub-contracting policies, results reporting options, fees, terms, and discounts, confidentiality, sample archival and disposal, and data interpretation.

iATL warrants the test results to be of a precision normal for the type and methodology employed for each sample submitted. iATL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. iATL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by our Standard Terms and Conditions. Prices, methods and detection limits may be changed without notification. Please contact your Customer Service Representative for the most current information.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA LAP LLC, or any agency of local, state or province governments nor of any agency of the U.S. government.

This report shall not be reproduced except in full, without written approval of the laboratory.

Information Pertinent to this Report:

Analysis by AAS Graphite Furnace:
- ASTM D3559-08D

Certification:
- NYS-DOH No. 11021
- NJDEP No. 03863

Note: These methods are analytically equivalent to iATL's accredited method;

- USEPA 40CFR 141.11B
- USEPA 200.9 Pb, AAS-GF, RL <2 ppb/sample
- USEPA SW 846-7421 - Pb(AAS-GF, RL <2 ppb/sample)

Regulatory limit for lead in drinking water is 15.0 parts per billion as cited in EPA 40 CFR 141.11 National Primary Drinking Water Regulations, Subpart B: Maximum contaminant levels for inorganic chemicals.

All results are based on the samples as received at the lab. iATL assumes that appropriate sampling methods have been used and that the data upon which these results are based have been accurately supplied by the client.

Sample results are not corrected for contamination by field or analytical blanks.

PPB = Parts per billion. 1 µg/L = 1 ppb MDL = 0.24 PPB Reporting Limit (RL) = 1.0 PPB

9000 Commerce Parkway Suite B
Mt. Laurel, New Jersey 08054
Telephone: 856-231-9449
Email: customerservice@iatl.com

CERTIFICATE OF ANALYSIS

Client:	Garden State Environmental, Inc.	Report Date:	1/23/2020
	555 S Broad St. Ste. K	Report No.:	608188 - Lead Water
	Glen Rock NJ 07452	Project:	Achieve Community Charter School
		Project No.:	7676
Client:	GAR373		

Disclaimers / Qualifiers:

There may be some samples in this project that have a "NOTE:" associated with a sample result. We use added disclaimers or qualifiers to inform the client about something that requires further explanation. Here is a complete list with highlighted disclaimers pertinent to this project. For a full explanation of these and other disclaimers, please inquire at **customerservice@iatl.com.**

Matrix spiking is performed on each client batch to determine if interferences could impact results. When spike recoveries fall out of acceptable range matrix interference is suspected and samples are diluted until acceptable spike recovery can be achieved. Reporting limits will increase by the same degree as the dilution required.

Note: Sample dilution required due to matrix interference.

Water Sample Turbidity greater than 1.0 NTU does not meet Federal and NJ State Primary & Secondary Drinking Water Standards.

* ASTM D3559 (D) calls for the addition of acid at the time of sampling. Unless so noted on the chain of custody by the client iATL acidifies samples to a pH of <2 at least 24 hours prior to analysis.

iATL INTERNATIONAL
ASBESTOS TESTING LABORATORIES

9000 Commerce Parkway, Suite B • Mount Laurel, NJ 08054
Phone: 877-428-4285/856-231-9449 • Fax: 856-231-9818

Chain of Custody

– Environmental Lead –

Contact Information

Client Company:	Garden State Environmental, Inc.	**Project Number:**	7676
Office Address:	555 South Broad Street, Suite K	**Project Name:**	Achieve Community Charter School
City, State, Zip:	Glen Rock, NJ 07452	**Primary Contact:**	Tara Ekiert
Fax Number:	201-652-0612	**Office Phone:**	201-652-1119
Email Address:	labreports@gseconsultants.com	**Cell Phone:**	

iATL is accredited by the National Lead Laboratory Accreditation Program (NLLAP) to perform analytical testing of environmental samples for lead (Pb). The accreditation is through AIHA-LAP, LLC and several other nationally recognized state programs.

Matrix/Method:

- ☐ Paint by AAS: ASTM D3335-85a, 2009
- ☐ Wipe/Dust by AAS: SW 846: 3050B: 700B, 2010
- ☐ Air by AAS: NIOSH 7082, 1994
- ☐ Soil by AAS: EPA SW 846 (Soil)
- ☑ Water by AAS-GF: ASTM D3559-03D, US EPA 200.9
- ☐ Other Metals (Cd, Zn, Cr) by AAS
- ☐ Toxicity Characteristic Leaching Procedure (TCLP) by AAS: US EPA 1311
- ☐ Other _____

Special Instructions:

_____

_____

Turnaround Time

Preliminary Results Requested Date: _____ (Specific date / time) ☐ Verbal ☑ Email ☐ Fax

☐ 10 Day ☑ 5 Day ☐ 3 Day ☐ 2 Day ☐ 1 Day* ☐ 12 Hour** ☐ 6 Hour** ☐ RUSH**

* End of next business day unless otherwise specified. ** Matrix Dependent. ***Please notify the lab before shipping***

Chain of Custody

Relinquished (Name/Organization):	Tara Ekiert - GSE, Inc.	Date:	1/20/20	Time:	5:00pm FedEx
Received (Name / iATL):		Date:		Time:	
Sample Login (Name / iATL):		Date:		Time:	
Analysis(Name(s) / iATL):	1/23/20	Date:		Time:	JAN
QA/QC Review (Name / iATL):	1/23/20	Date:		Time:	
Archived / Released: _____	QA/QC InterLAB Use: _____	Date:		Time:	

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ASBESTOS TESTING LABORATORIES

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Sample Log

–Environmental Lead –

Client: Garden State Environmental, Inc. Project: #7676 Achieve Community Charter School

Sampling Date/Time: 1/18/20 @ 7:39am

Client Sample #	iATL #	Location/ Description	Flow Rate	(AM) Start End	Sampling time (min)	Area (ft2) Volume (L)	Results ( )
ACCS-1-B-01A	6955946	corridor A: Hall		7:39	First Draw		
ACCS-1-S-01A	6955947	corridor A: teachers lounge		7:41	First Draw		
ACCS-1-WC-01A	6955948	Pass through, right by conference Room		8:21 - 8:36	15 minute Flush		
ACCS-1-WC-02A	6955949	Pass through, left by Nurse		8:20 - 8:35	15 minute Flush		
ACCS-1-B-02A	6955950	cafe left		8:10	First Draw		
ACCS-1-B-03A	6955951	cafe right (stage side)		8:15	First Draw		
ACCS-1-S-02A	6955952	kitchen left		7:57	First Draw		
ACCS-1-S-03A	6955953	kitchen middle		7:57	First Draw		
ACCS-1-S-04A	6955954	kitchen right		7:58	First Draw		
ACCS-1-SP-01A	6955955	kitchen		7:59	First Draw		
ACCS-1-B-04A	6955956	KA: John Hopkins		7:52	First Draw		
ACCS-1-B-05A	6955957	KB: Montclair		7:48	First Draw		
ACCS-1-18-FBA	6955958	—		8:30	Field Blank		
Acid							

** = Insufficient Sample Provided to Perform QC Reanalysis (<200mg)*
*** = Insufficient Sample Provided to Analyze (<50mg) ***= Matrix / Substrate Interference Possible*
FB = Method Requires the submittal of blank(s). ML = Multi Layered Sample. May result in inconsistent results.
These **preliminary results** are issued by iATL to expedite procedures by clients based upon the above data. iATL assumes that all of the sampling methods and data upon which these results are based, has been accurately supplied by the client. These results may not have been reviewed by the Laboratory Director. Final Certificate of Analysis will follow these preliminary results. The signed COA is to be considered the official results. All EPA, HUD, and NJDEP conditions apply.

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ASBESTOS TESTING LABORATORIES

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Email: customerservice@iatl.com

CERTIFICATE OF ANALYSIS

Client: Garden State Environmental, Inc.
555 S Broad St. Ste. K
Glen Rock NJ 07452

Client: GAR373

Report Date: 2/4/2020
Report No.: 608621 - Lead Water
Project: Achieve Community Charter School
Project No.: 7676

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:6960105 **Client No.:**ACCS-1S-02B	**Location:**Kitchen Left-Flush 30 Sec. * Sample acidified to pH <2.	**Result(ppb):**5.90
Lab No.:6960106 **Client No.:**ACCS-1-SP-01B	**Location:**Kitchen-Flush 30 Sec. * Sample acidified to pH <2.	**Result(ppb):**132
Lab No.:6960107 **Client No.:**ACCS-1-18FBB	**Location:**Field Blank * Sample acidified to pH <2.	**Result(ppb):**<1.00

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 1/28/2020
Date Analyzed: 02/04/2020
Signature:
Analyst: Chad Shaffer

Approved By:
Frank E. Ehrenfeld, III
Laboratory Director

iATL INTERNATIONAL
ASBESTOS TESTING LABORATORIES

9000 Commerce Parkway Suite B
Mt. Laurel, New Jersey 08054
Telephone: 856-231-9449
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CERTIFICATE OF ANALYSIS

Client:	Garden State Environmental, Inc.	Report Date:	2/4/2020
	555 S Broad St. Ste. K	Report No.:	608621 - Lead Water
	Glen Rock NJ 07452	Project:	Achieve Community Charter School
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Client:	GAR373		

Appendix to Analytical Report:

Customer Contact: Send ALL Lab Reports
Analysis: AAS-GF - ASTM D3559-08D

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iATL OfficeManager: ?wchampion@iatl.com
iATL Account Representative: Kelly Klippel
Sample Login Notes: See Batch Sheet Attached
Sample Matrix: Water
Exceptions Noted: See Following Pages

General Terms, Warrants, Limits, Qualifiers:

General information about iATL capabilities and client/laboratory relationships and responsibilities are spelled out in iATL policies that are listed at www.iATL.com and ir our Quality Assurance Manual per ISO 17025 standard requirements. The information therein is a representation of iATL definitions and policies for turnaround times, sample submittal, collection media, blank definitions, quantification issues and limit of detection, analytical methods and procedures, sub-contracting policies, results reporting options, fees, terms, and discounts, confidentiality, sample archival and disposal, and data interpretation.

iATL warrants the test results to be of a precision normal for the type and methodology employed for each sample submitted. iATL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. iATL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by our Standard Terms and Conditions. Prices, methods and detection limits may be changed without notification. Please contact your Customer Service Representative for the most current information.

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Information Pertinent to this Report:

Analysis by AAS Graphite Furnace:
- ASTM D3559-08D

Certification:
- NYS-DOH No. 11021
- NJDEP No. 03863

Note: These methods are analytically equivalent to iATL's accredited method;

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Sample results are not corrected for contamination by field or analytical blanks.

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	Glen Rock NJ 07452	Project:	Achieve Community Charter School
		Project No.:	7676
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Note: Sample dilution required due to matrix interference.

Water Sample Turbidity greater than 1.0 NTU does not meet Federal and NJ State Primary & Secondary Drinking Water Standards.

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Phone: 877-428-4285/856-231-9449 • Fax: 856-231-9818

Chain of Custody

– Environmental Lead –

Contact Information

Client Company:	Garden State Environmental, Inc.	**Project Number:**	7676
Office Address:	555 South Broad Street, Suite K	**Project Name:**	Achieve Community Charter School
City, State, Zip:	Glen Rock, New Jersey 07452	**Primary Contact:**	Tara Ekiert
Fax Number:	201-652-0612	**Office Phone:**	201-652-1119
Email Address:	labreports@gseconsultants.com	**Cell Phone:**	

iATL is accredited by the National Lead Laboratory Accreditation Program (NLLAP) to perform analytical testing of environmental samples for lead (Pb). The accreditation is through AIHA-LAP, LLC and several other nationally recognized state programs.

Matrix/Method:

- ☐ Paint by AAS: ASTM D3335-85a, 2009
- ☐ Wipe/Dust by AAS: SW 846: 3050B: 700B, 2010
- ☐ Air by AAS: NIOSH 7082, 1994
- ☐ Soil by AAS: EPA SW 846 (Soil)
- ☑ Water by AAS-GF: ASTM D3559-03D, US EPA 200.9
- ☐ Other Metals (Cd, Zn, Cr) by AAS
- ☐ Toxicity Characteristic Leaching Procedure (TCLP) by AAS: US EPA 1311
- ☐ Other _____

Special Instructions:

_____

_____

Turnaround Time

Preliminary Results Requested Date: _____ (Specific date / time) ☐ Verbal ☑ Email ☐ Fax

☐ 10 Day ☑ 5 Day ☐ 3 Day ☐ 2 Day ☐ 1 Day* ☐ 12 Hour** ☐ 6 Hour** ☐ RUSH**

* End of next business day unless otherwise specified. ** Matrix Dependent. ***Please notify the lab before shipping***

Chain of Custody

Relinquished (Name/Organization):	GSE : Tara Ekiert	Date: 1/23/20	Time: 5:30pm FedEx
Received (Name / iATL):		Date:	Time:
Sample Login (Name / iATL):		Date:	Time:
Analysis(Name(s) / iATL):	[illegible]	Date:	Time:
QA/QC Review (Name / iATL):	[illegible]	Date:	Time:
Archived / Released: _____	QA/QC InterLAB Use: _____	Date:	Time:

RECEIVED JAN 24 2020

iATL INTERNATIONAL
ASBESTOS TESTING LABORATORIES

9000 Commerce Parkway, Suite B • Mount Laurel, NJ 08054
Phone: 877-428-4285/856-231-9449 • Fax: 856-231-9818

Sample Log

–Environmental Lead –

Client: Garden State Environmental. Inc. Project: 7676 : Achieve Community charter school

Sampling Date/Time: 1/18/20 @ 7:39am

Client Sample #	iATL #	Location/ Description	Flow Rate	Start End	Sampling time (min)	Area (ft2) Volume (L)	Results ( )
ACCS-1-S-02B	6960105	Kitchen left		8:02am	Flush Sample 30sec		
ACCS-1-SP-01B	~~6960106~~	Kitchen		8:05am	Flush Sample 30 sec.		
ACCS-1-18FBB	~~6960107~~	—		8:32am	Field Blank		

* = *Insufficient Sample Provided to Perform QC Reanalysis (<200mg)*
** = *Insufficient Sample Provided to Analyze (<50mg) ***= Matrix / Substrate Interference Possible*
FB = Method Requires the submittal of blank(s). ML = Multi Layered Sample. May result in inconsistent results.
These **preliminary results** are issued by iATL to expedite procedures by clients based upon the above data. iATL assumes that all of the sampling methods and data upon which these results are based, has been accurately supplied by the client. These results may not have been reviewed by the Laboratory Director. Final Certificate of Analysis will follow these preliminary results. The signed COA is to be considered the official results. All EPA, HUD, and NJDEP conditions apply.