

CERTIFICATE OF ANALYSIS

Client: TTI Environmental Inc.
1253 North Church St.
Moorestown NJ 08057

Report Date: 6/12/2017
Report No.: 538064 - Lead Water
Project: Frank Antonides School, 135 Locust Ave, West
Long Branch NJ
Project No.: 17-390

Client: TTI379

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:6252311 **Location:**Hall At BOE (Left) **Result(ppb):**<2.00
Client No.:1-FAS-WC-HBOE-L

Lab No.:6252312 **Location:**Hall At BOE (Right) **Result(ppb):**<2.00
Client No.:2-FAS-WC-HBOE-R

Lab No.:6252313 **Location:**2nd Floor BOE Office Kitchenette **Result(ppb):**<2.00
Client No.:3-FAS-SF-BOEK

Lab No.:6252314 **Location:**Hall At Gym's Side Entrance (Right) **Result(ppb):**3.40
Client No.:7-FAS-DW-HGYM-R

Lab No.:6252315 **Location:**Hall At Room 2 (Left) **Result(ppb):**2.20
Client No.:9-FAS-DW-H2-L

Lab No.:6252316 **Location:**Hall At Room 2 (Right) **Result(ppb):**14.2
Client No.:10-FAS-DW-H2-R


Lab No.:6252317 **Location:**Faculty Room 14 **Result(ppb):**<2.00
Client No.:11-FAS-SF-FACULTY

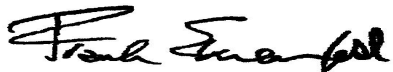
Lab No.:6252318 **Location:**Hall At Room 75 / Boiler Room **Result(ppb):**<2.00
Client No.:17-FAS-WC-H75

Lab No.:6252319 **Location:**Library Office **Result(ppb):**<2.00
Client No.:19-FAS-SF-MEDIA

Lab No.:6252320 **Location:**Hall At Room 83 **Result(ppb):**<2.00
Client No.:20-FAS-WC-H83

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

Date Received: 6/5/2017
Date Analyzed: 06/12/2017
Signature: 
Analyst: Mark Stewart

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

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LEAD WATER SAMPLE ANALYSIS SUMMARY


Lab No.:6252321 **Location:**Room 84 **Result(ppb):**<2.00
Client No.:21-FAS-SB-84

Lab No.:6252322 **Location:**Room 85 **Result(ppb):**<2.00
Client No.:22-FAS-SB-85

Lab No.:6252323 **Location:**Blank **Result(ppb):**<2.00
Client No.:BLANK

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

Date Received: 6/5/2017
Date Analyzed: 06/12/2017
Signature: 
Analyst: Mark Stewart

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

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Appendix to Analytical Report:

Customer Contact: TTI Reports

Analysis: AAS-GF - ASTM D3559-08D, USEPA 40CFR 141.11B, 2010

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 Office Manager: cdavis@iatl.com

iATL Account Representative: Shirley Clark

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 in 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, USEPA 40CFR 141.11B, 2010

- USEPA 200.9Pb, AAS-GF, RL <2 ppb/sample

- USEPA SW 846-7000B:7421 - Pb(AAS-GF, RL <2 ppb/sample)

Certification:

- NYS-DOH No. 11021

- NJDEP No. 03863

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) = 2.0 PPB

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.

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

Chain of Custody

– Environmental Lead –

Contact Information

Client Company: <u>TTI Environmental, Inc.</u>	Project Number: <u>17-390</u>
Office Address: <u>1253 North Church Street</u>	Project Name: <u>West Long Branch Schools</u>
City, State, Zip: <u>Moorestown, NJ 08057</u>	Primary Contact: <u>Jim Guilardi</u>
Fax Number: <u>856-840-8815</u>	Office Phone: <u>856-840-8800</u>
Email Address: <u>Jimg@ttienv.com</u>	Cell Phone: <u>609-314-1683</u>

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, USEPA 40CFR 141.11B, 2010
- Other Metals (Cd, Zn, Cr) by AAS
- Toxicity Characteristic Leaching Procedure (TCLP) by AAS: USEPA 1311
- Other Lead in Water EPA 200.9

RECEIVED
MAY 12 2017

Special Instructions:

PO # 082782 ESCNJ Co-Op (Old Pricing)
Frank Antonides School (FAS) << Please use School Name as Project Name on COA >>

Turnaround Time

Preliminary Results Requested Date: _____ Verbal Email Fax
Specific date / time
 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): <u>A. Culler/TTI</u>	Date: <u>6-5-17</u> Time: <u>3:45pm</u>
Received (Name / iATL): _____	Date: _____ Time: _____
Sample Login (Name / iATL): <u>857/117</u>	Date: _____ Time: _____
Analysis(Name(s) / iATL): <u>MS</u>	Date: <u>6/16/17</u> Time: _____
QA/QC Review (Name / iATL): _____	Date: <u>6/14/17</u> Time: _____
Archived / Released: _____ QA/QC InterLAB Use: _____	Date: _____ Time: _____

RECEIVED

JUN - 5 2017
IATL - By [Signature] -1-



1253 North Church Street, Moorestown, NJ 08057
856-940-8800 Fax 856-840-9815

LEAD IN WATER SAMPLING DATA AND CHAIN OF CUSTODY

(12) + Blank

1/2

PROJECT #: 17-390		CLIENT: West Long Branch School District		FACILITY: Frank Antonides School		ADDRESS: 135 Locust Avenue, West Long Branch, NJ	
PO #:	022782	SAMPLER(S):	A. Callahan	DATE:	10-3-17	Sample Type:	Initial Flush (30sec / 15min)
Sample ID	Location/Description	Time	Outlet Type:	Volume	Notes:	Discolored, Odor, Low Flow, Etc...	
1	FAS-WC-HBOE-L Hall at BOE (Left)	8:19 AW	Water Cooler	250mL	Initial	6252311	
2	FAS-WC-HBOE-R Hall at BOE (Right)	8:20	Water Cooler	250mL	Initial	6252312	
3	FAS-SF-BOEK 2nd Floor BOE Office Kitchenette	8:21	Sink Faucet	250mL	Initial	6252313	
4	FAS-DW-H28-L Hall at Room 28 (Left)	---	Drinking Water Bubbler	250mL	---	Inoperative	
5	FAS-DW-H28-R Hall at Room 28 (Right)	---	Drinking Water Bubbler	250mL	---	Inoperative	
6	FAS-DW-HGYM-L Hall at Gym's Side Entrance (Left)	---	Drinking Water Bubbler	250mL	---	Inoperative	
7	FAS-DW-HGYM-R Hall at Gym's Side Entrance (Right)	8:27	Drinking Water Bubbler	250mL	Initial	6252314	
8	FAS-SB-GIRLS Girls Locker Room	---	Sink Bubbler	250mL	---	Inoperative	
9	FAS-DW-H2-L Hall at Room 2 (Left)	8:30	Drinking Water Bubbler	250mL	Initial	6252315	
10	FAS-DW-H2-R Hall at Room 2 (Right)	8:31	Drinking Water Bubbler	250mL	Initial	6252316	
11	FAS-SF-FACULTY Faculty Room 14	8:32	Sink Faucet	250mL	Initial	6252317	
12	FAS-DW-H12-L Hall at Room 12 (Left)	---	Drinking Water Bubbler	250mL	---	Inoperative	
13	FAS-DW-H12-R Hall at Room 12 (Right)	---	Drinking Water Bubbler	250mL	---	Inoperative	
14	FAS-DW-HBOILER-R Hall at Boiler Room (Right)	---	Drinking Water Bubbler	250mL	---	Inoperative	
15	FAS-DW-HBOILER-C Hall at Boiler Room (Center)	---	Drinking Water Bubbler	250mL	---	Inoperative	
16	FAS-DW-HBOILER-L Hall at Boiler Room (Left)	---	Drinking Water Bubbler	250mL	---	Inoperative	
17	FAS-WC-H75 Hall at Room 75/Boiler Room	8:39	Water Cooler	250mL	Initial	6252318	
18	FAS-SB-78 Room 78	---	Sink Bubbler	250mL	---	Inoperative	
19	FAS-SF-MEDIA Library Office	8:43	Sink Faucet	250mL	Initial	6252319	



1253 North Church Street, Moorestown, NJ 08057
856-840-8800 Fax 856-840-8815

LEAD IN WATER SAMPLING DATA AND CHAIN OF CUSTODY

2/2

PROJECT #: 17-390 CLIENT: West Long Branch School District FACILITY: Frank Antonides School

PO #: 022782 SAMPLER(S): ACULIFER DATE: 6-3-17 ADDRESS: 135 Locust Avenue, West Long Branch, NJ

Sample ID	Location/Description	Time	Sample Type: Initial Flush (30sec / 15min)	Outlet Type:	Volume	Notes: Discolored, Odor, Low Flow, Etc...
20	FAS-WC-H83 Hall at Room 83	8:45	Initial	Water Cooler	250mL	6252320
21	FAS-SB-84 Room 84	8:46	Initial	Sink Bubbler	250mL	6252321
22	FAS-SB-85 Room 85	8:49	Initial	Sink Bubbler	250mL	6252322
	Blank	8:15	Initial	Blank	250mL	6252323
					250mL	
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CL 6/8/17

19:50 Acidify