

January 31, 2017

Lower Township Elementary School District
David C Douglass Memorial School
2600 Bayshore Road
Villas, NJ 08251

Dear David C. Douglass Memorial Community,

Our school system is committed to protecting student, teacher, and staff health. To protect our community and be in compliance with the Department of Education regulations, Lower Township Elementary School District tested our schools' drinking water for lead.

In accordance with the Department of Education regulations, David C. Douglass Memorial will implement immediate remedial measures for any drinking water outlet with a result greater than the action level of 15 µg/l (parts per billion [ppb]). This includes turning off the outlet unless it is determined the location must remain on for non-drinking purposes. In these cases, a "DO NOT DRINK – SAFE FOR HANDWASHING ONLY" sign will be posted.

Results of our Testing

Following instructions given in technical guidance developed by the New Jersey Department of Environmental Protection, we completed a plumbing profile for each of the buildings within Lower Township Elementary School District. Through this effort, we identified and tested all drinking water and food preparation outlets. Of the 45 samples taken, all but 3 tested below the lead action level established by the US Environmental Protection Agency for lead in drinking water (15 µg/l [ppb]).

The table below identifies the drinking water outlets that tested above the 15 µg/l for lead, the actual lead level, and what temporary remedial action Lower Township Elementary School District has taken to reduce the levels of lead at these locations.

Sample Location	First Draw Result in µg/l (ppb)	Remedial Action
Fountain Near Bathroom #3 Lab No.: 6130304 Client No.:22	41.6	Disconnected outlet and bottled water provided # 41283
Sink Right Rm 119-Library Lab No. 6130313 Client No.: 38-A	65.5	Disconnected outlet and bottled water provided # 41286
Fountain Right Hall Near Rm 12 Lab No.: 6130347 Client No.: 20	27.2	Disconnected outlet and bottled water provided # 41285

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.

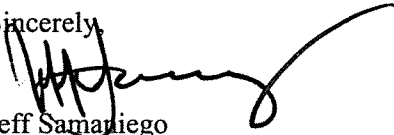
For More Information

A copy of the test results is available in our central office for inspection by the public, including students, teachers, other school personnel, and parents, and can be viewed between the hours of 7:00 a.m. and 3:00 p.m. and are also available on our website at www.lowertwpschools.com. For more information about water quality in our schools, contact Fred Fala, Supervisor at the Buildings and Grounds, 609-884-9400 ext 2701.

For more information on reducing lead exposure around your home and the health effects of lead, visit EPA's Web site at www.epa.gov/lead, call the National Lead Information Center at 800-424-LEAD, or contact your health care provider.

If you are concerned about lead exposure at this facility or in your home, you may want to ask your health care providers about testing children to determine levels of lead in their blood.

Sincerely,



Jeff Samaniego
Superintendent of Schools

CERTIFICATE OF ANALYSIS

Client: Coastal Environmental
721 Flittertown Rd
Hammonton NJ 08037

Report Date: 1/27/2017
Report No.: 528045 - Lead Water
Project: Lower Township - Memorial School
Project No.:

Client: COA212

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:6130303 **Location:**POE-Custodial Laundry Tub Faucet **Result(ppb):**<2.00
Client No.:21

Lab No.:6130304 **Location:**Fountain Near Bathroom #3 **Result(ppb):**41.6
Client No.:22

Lab No.:6130305 **Location:**Fountain Rm 14 **Result(ppb):**<2.00
Client No.:28

Lab No.:6130306 **Location:**Fountain Rm 16 **Result(ppb):**<2.00
Client No.:29

Lab No.:6130307 **Location:**Fountain Rm 18 **Result(ppb):**<2.00
Client No.:30

Lab No.:6130308 **Location:**Fountain Rm 17 **Result(ppb):**2.50
Client No.:31

Lab No.:6130309 **Location:**Fountain Rm 15 **Result(ppb):**<2.00
Client No.:32

Lab No.:6130310 **Location:**Fountain Rm 13 **Result(ppb):**3.30
Client No.:33

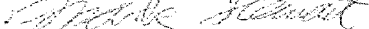
Lab No.:6130311 **Location:**Fountain Hall Near Bathroom #6 **Result(ppb):**<2.00
Client No.:34

Lab No.:6130312 **Location:**Sink Left Rm 119-Library **Result(ppb):**8.20
Client No.:38

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

Date Received: 1/23/2017

Date Analyzed: 01/27/2017

Signature: 

Analyst: Mark Stewart

Approved By: 

Frank E. Ehrenfeld, III
Laboratory Director

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LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:6130313 **Location:**Sink Right Rm 119-Library **Result(ppb):**65.5
Client No.:38-A

Lab No.:6130314 **Location:**Fountain Rm 119 Library **Result(ppb):**<2.00
Client No.:39

Lab No.:6130315 **Location:**Sink Rm 120 **Result(ppb):**<2.00
Client No.:41

Lab No.:6130316 **Location:**Fountain Rm 120 **Result(ppb):**<2.00
Client No.:42

Lab No.:6130317 **Location:**Sink Rm 121 **Result(ppb):**2.20
Client No.:44

Lab No.:6130318 **Location:**Fountain Rm 121 **Result(ppb):**<2.00
Client No.:45

Lab No.:6130319 **Location:**Sink Rm 122 **Result(ppb):**2.10
Client No.:47

Lab No.:6130320 **Location:**Fountain Rm 122 **Result(ppb):**<2.00
Client No.:48

Lab No.:6130321 **Location:**Sink Faculty Rm **Result(ppb):**3.50
Client No.:50

Lab No.:6130322 **Location:**Sink Rm 124 **Result(ppb):**2.00
Client No.:52

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LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:6130323 **Location:**Fountain Rm 124 **Result(ppb):**<2.00
Client No.:53

Lab No.:6130324 **Location:**Sink Rm 126 **Result(ppb):**2.90
Client No.:55

Lab No.:6130325 **Location:**Fountain Rm 126 **Result(ppb):**<2.00
Client No.:56

Lab No.:6130326 **Location:**Sink Rm 128 **Result(ppb):**9.70
Client No.:58

Lab No.:6130327 **Location:**Fountain Rm 128 **Result(ppb):**2.00
Client No.:59

Lab No.:6130328 **Location:**Sink Rm 127 **Result(ppb):**2.80
Client No.:61

Lab No.:6130329 **Location:**Sink Rm 125 **Result(ppb):**<2.00
Client No.:64

Lab No.:6130330 **Location:**Fountain Rm 125 **Result(ppb):**<2.00
Client No.:65

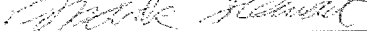
Lab No.:6130331 **Location:**Sink Rm 123 **Result(ppb):**<2.00
Client No.:67

Lab No.:6130332 **Location:**Fountain Rm 12 **Result(ppb):**9.80
Client No.:71

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

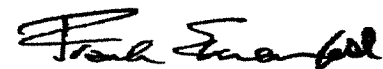
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LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:6130333 **Location:**Fountain Rm 11 **Result(ppb):**8.60
Client No.:72

Lab No.:6130334 **Location:**Fountain Rm 10 **Result(ppb):**6.10
Client No.:73

Lab No.:6130335 **Location:**Fountain Rm 9 **Result(ppb):**11.6
Client No.:74

Lab No.:6130336 **Location:**Fountain Rm 8 **Result(ppb):**10.7
Client No.:75

Lab No.:6130337 **Location:**Fountain Rm 1 **Result(ppb):**2.10
Client No.:1

Lab No.:6130338 **Location:**Fountain Rm 2 **Result(ppb):**8.20
Client No.:2

Lab No.:6130339 **Location:**Sink Rm 3 **Result(ppb):**4.90
Client No.:3

Lab No.:6130340 **Location:**Sink Rm 4 **Result(ppb):**<2.00
Client No.:4

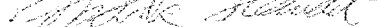
Lab No.:6130341 **Location:**Sink Rm 5 **Result(ppb):**8.90
Client No.:5

Lab No.:6130342 **Location:**Sink Rm 6 **Result(ppb):**15.0
Client No.:6

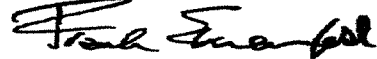
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LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:6130343 **Location:**Fountain Right Hall Near Rm 6 **Result(ppb):**14.2
Client No.:13

Lab No.:6130344 **Location:**Kitchen Service Sink **Result(ppb):**3.00
Client No.:14

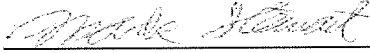
Lab No.:6130345 **Location:**Kitchen (3 Well) Sink **Result(ppb):**6.50
Client No.:15

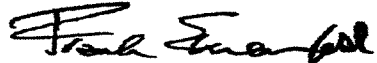
Lab No.:6130346 **Location:**Nurse Sink **Result(ppb):**11.0
Client No.:18

Lab No.:6130347 **Location:**Fountain Right Hall Near Rm 12 **Result(ppb):**27.2
Client No.:20

Lab No.:6130348 **Location:** **Result(ppb):**<2.00
Client No.:Blank

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

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Project No.:

Client: COA212

Appendix to Analytical Report:

Customer Contact: Cathy Ledden

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.

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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.