

# C.T. MALE ASSOCIATES

Engineering, Surveying, Architecture & Landscape Architecture, D.P.C.

50 Century Hill Drive, Latham, NY 12110  
518.786.7400 FAX 518.786.7299 ctmale@ctmale.com



May 16, 2017

Mr. Clifford Nooney  
Building and Grounds Supervisor  
Guilderland Central School District  
6076 State Farm Road  
Guilderland, New York 12084

**Re: *Lead in Water Sampling and Analysis***  
*Altamont Elementary School, Guilderland CSD, Altamont, NY*

Dear Mr. Nooney:

C.T. Male Associates Engineering, Surveying, Architecture & Landscape Architecture, D.P.C. (C.T. Male) has performed the re-sampling of one water source that exceeded the 15.1ppb (15.1ug/l) NYSDOH action limit for lead in the drinking water, in the Altamont Elementary School building located at 117 Grand Street, Altamont, NY. Remediation activity was performed on the water source below and re-sampling conducted on May 9, 2017. The water sampling was performed per the September 6, 2016 NYSDOH School Potable Water Testing and Standards.

Listed below are the analysis results for the lead in water re-sampling performed. One (1) sample was collected from this building. The "first draw" water sample was collected in a 250 ml bottle from the source (i.e., sink, fountain, etc.) most likely to be a point of water consumption. Analysis was performed using EPA Method 200.5 Determination of Trace Elements in Drinking Water (Atomic Absorption Spectrometry). The NYSDOH *goal* is to have zero lead in drinking water, however as the lead in water often comes from plumbing sources, the limit for lead in schools is to have no more than 15ppb of lead in any of the water from sampled sources. Results greater than 15.1ppb will require remediation prior to reuse. The laboratory analytical results are attached.

## LEAD BULK SAMPLE ANALYSIS RESULTS

<u>Sample #</u>	<u>Sample Location</u>	<u>Source</u>	<u>(ppb)</u>
GCSD - AES - 22	Classroom 207	Sink	<0.5



## C.T. MALE ASSOCIATES

5/16/17  
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### **CONCLUSIONS AND RECOMMENDATIONS**

The lead in water analysis results from the sampled source did not exceed the 15.1ppb (15.1ug/l) NYSDOH action limit for lead in the drinking water.

If you have any questions regarding this report, please contact me at (518) 786-7480.

Sincerely,

C.T. MALE ASSOCIATES

A handwritten signature in black ink that reads "Michael F. Sawyer". The signature is written in a cursive style with a long horizontal flourish extending to the right.

Michael F. Sawyer  
Managing Industrial Hygienist



Friday, May 12, 2017

Attn: Mr. Mike Sawyer  
CT Male Associates  
50 Century Hill Drive  
Latham, NY 12110

Project ID: GUILDERLAND CSD AES  
Sample ID#s: BY17756

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

A handwritten signature in black ink that reads "Phyllis Shiller". The signature is written in a cursive style.

Phyllis Shiller  
Laboratory Director

NELAC - #NY11301  
CT Lab Registration #PH-0618  
MA Lab Registration #MA-CT-007  
ME Lab Registration #CT-007  
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003  
NY Lab Registration #11301  
PA Lab Registration #68-03530  
RI Lab Registration #63  
VT Lab Registration #VT11301



**Environmental Laboratories, Inc.**  
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102 Fax (860) 645-0823

# Analysis Report

May 12, 2017

FOR: Attn: Mr. Mike Sawyer  
 CT Male Associates  
 50 Century Hill Drive  
 Latham, NY 12110

Sample Information

Matrix: DRINKING WATER  
 Location Code: CT-MALEPB  
 Rush Request: Standard  
 P.O.#: 09.9168

Custody Information

Collected by: NC  
 Received by: B  
 Analyzed by: see "By" below

Date

05/09/17  
 05/09/17

Time

16:59

## Laboratory Data

SDG ID: GBY17756  
 Phoenix ID: BY17756

Project ID: GUILDERLAND CSD AES  
 Client ID: GCSD-AES-22

Parameter	Result	RL/ PQL	DIL	Units	AL	MCL	MCLG	Date/Time	By	Reference
Lead	< 0.5	0.5	1	ug/L	15			05/11/17	LK	200.8-5.4
Total Metal Digestion	Completed							05/10/17	CB/CB	E200.8

RL/PQL=Reporting/Practical Quantitation Level DIL=Dilution (analysis required diluting to evaluate) ND=Not Detected  
 BRL=Below Reporting Level (less than the reporting level, the lowest amount the laboratory can detect and report.)  
 AL = Action Level MCL = Maximum Contaminant Level MCLG = Maximum Contaminant Level Goal

**Comments:**

Maximum Contaminant Level (MCL) (Lower of): 40 CFR Part 141; Public Health Law, Section 225 Part 5. The highest level of a contaminant that is allowed in drinking water. MCLs are enforceable standards.

Action Level (AL): (Lower of): 40 CFR Part 141.80; Public Health Law, Section 225 Part 5.

Secondary DW Maximum Contaminant Level Goal (MCLG): (Lower of): 40 CFR Part 141; 40 CFR Part 143. The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are non-enforceable public health goals.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.  
 This report must not be reproduced except in full as defined by the attached chain of custody.

**Phyllis Shiller, Laboratory Director**

**May 12, 2017**

**Reviewed and Released by: Bobbi Aloisa, Vice President**

# Analysis Report - Summary

May 12, 2017

Attn: Mr. Mike Sawyer  
CT Male Associates  
50 Century Hill Drive  
Latham, NY 12110



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SDG I.D.: GBY17756



Sample	Client Id	Col Date	Parameter	Result	RL	CL	Units	Date Analyzed	Reference
Project: BY17756	Guilderland Csd Aes GCSD-AES-22	05/09/17	Lead	< 0.5	0.5		ug/L	05/11/17	200.8-5.4

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.  
ND=Not detected BDL=Below Detection Level RL=Reporting Level CL=Client Limit

  
Phyllis Shiller  
Laboratory Director  
May 12, 2017



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# QA/QC Report

May 12, 2017

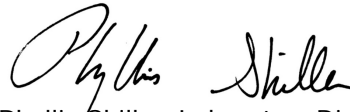
## QA/QC Data

SDG I.D.: GBY17756

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 385871 (mg/L), QC Sample No: BY17754 (BY17756)													
<u>ICP MS Metals - Aqueous</u>													
Lead	BRL	0.001	0.0275	0.027	1.80	92.2							81.8

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

- RPD - Relative Percent Difference
- LCS - Laboratory Control Sample
- LCSD - Laboratory Control Sample Duplicate
- MS - Matrix Spike
- MS Dup - Matrix Spike Duplicate
- NC - No Criteria
- Intf - Interference

  
 Phyllis Shiller, Laboratory Director  
 May 12, 2017

Friday, May 12, 2017

Criteria: None

State: NY

## Sample Criteria Exceedances Report

GBY17756 - CT-MALEPB

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
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\*\*\* No Data to Display \*\*\*

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedances. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedance information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



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## Analysis Comments

May 12, 2017

SDG I.D.: GBY17756

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The following analysis comments are made regarding exceptions to criteria not already noted in the Analysis Report or QA/QC Report: None.





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# NY Temperature Narration

May 12, 2017

SDG I.D.: GBY17756

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The samples in this delivery group were received at 3.1°C.  
(Note acceptance criteria is above freezing up to 6°C)

