

RK Occupational & Environmental Analysis Inc.

401 St. James Ave.

Phillipsburg, N.J. 08865

Telephone: 908-454-6316 Fax: 908-454-4818

rkenvironmental@entermail.net

Mold Assessment and Remediation

Health/Safety and

Environmental Regulatory

Compliance

October 10, 2017

Ms. Florence Dolobach

Assistant to the Superintendent

Washington Borough School District

200 West Stewart Street

Washington, NJ 07882

Right-To-Know

re: Water Sampling for Compliance with N.J.A.C. 6A:26-12.4

Lead in Drinking Water

OSHA/EPA/DOT Training Programs Follow-Up Sampling in Room 132 at Memorial School

Asbestos and Lead Management Dear Ms. Dolobach,

This addendum includes information on follow-up water sampling that was conducted at the Memorial School on September 19, 2017. This location had earlier sample results that exceeded the 0.015 mg/l (15 PPB) standard.

Industrial Hygiene/ OSHA Compliance

The plumbing fixture was replaced at the sink in Room 132 at the Memorial Elementary School.

Indoor Air Quality

The re-test sample results show much lower and acceptable concentrations of Lead on the "1st-Draw" sample and no detectible levels of Lead present in either "Flushed" water samples.

Underground/ Aboveground Storage Tanks This sink can be returned to active service. If you have any questions, please don't hesitate to call us.

Sincerely,

Environmental Site Assessment

Patrick D. McGuinness, MS, P.E.

Vice President

Hazardous/ Medical Waste Management

PDM/

(file \Reports\Watertest\WashBoro-171 addendum)

Environmental Audits

Expert Witness/ Litigation Support

Customized Software

Sampling Report - Lead in Drinking Water Washington Borough Board of Education

1. Sampling Results Summary

Sample Collection Date	September 19, 2017
Total Number of Samples Collected	2
Number of Samples with No Detectible Lead	1
Number of Samples Exceeding 15 ppb (0.015 mg/L) Standard	0

2. Water Sampling Results and Discussion

Sampling results are discussed below. Water sampling logs and the complete laboratory analytical report are appended to this report. All results are expressed as milligrams of Lead per liter of water (mg/L) and compared against the current 0.015 mg/L Action Level. Results could also be expressed in equivalent terms of parts per billion (ppb) where the Action level translates to 15 ppb.

Following the procedures outlined in the project Sampling Plan, a two-step sampling procedure was used at each of the three water outlets. As before, a "1st-Draw" water sample was collected at each outlet after the water was allowed to sit overnight in the piping at least 8 hours prior to collecting the water sample. A "Flushed" water sample was then collected after the water tap was run for about 2 minutes. The purpose of this sample is to represent the water in the piping upstream of the tap itself which is often the source of Lead in the brass components of the fixture.

Memorial Elementary School: The sink located at the rear of Room 132 was sampled after it was cleaned and flushed in the days before sample collection. The sample results for the 1st-Draw water were acceptable and showed a Lead content of 0.0032 mg/L. In addition, the "Flushed" water sample results showed no detectible levels of Lead present.

Report prepared by:

Patrick D. McGuinness, MS, P.E.

Vice President

Water Sampling Log

Name of Building **Building Owner**

Memorial Elementary School Washington Borough Bd of Educ

Sample Collected by PD McGuinness 19-Sep-17 Date Collected

_				 		 	,	·	 ·	Y	·····	·	 T	,	
(mg/L)	Pb	0.0032	Q												
Results (mg/L)	Cu	0.110	0.097												
	Time	07:45	07:55												
	-ocation														
	Sample Location														
		2 sink	2 sink												
		Room 132 sink	Room 132 sink												
	Manufacturer														
Type of	Outlet	Sink	Sink												-
Sample	Type	1st	급												
Тар	Š.	4	4												
Sample	No.	091917-01	091917-02												

1st: First Draw sample collected after water sat in pipe between 8 and 18 hours FL: Water flushed through tap for at least 2 minutes ND: means Not Detected at or above the Reliability Detection Limit (RDL) of 0.0020 mg/L for Lead. Sample Type:





34 Dogwood Lane ■ Middletown, PA 17057 ■ Phone: 717-944-5541 ■ Fax: 717-944-1430 ■ www.alsglobal.com

NELAP Certifications: NJ PA010, NY 11759, PA 22-293 DoD ELAP; A2LA 0818.01 State Certifications: DE ID 11, MA PA0102, MD 128, VA 460157, WV 343

September 30, 2017

Mr. Patrick McGuinness RK Occ. & Env. Analysis, Inc. 401 St. James Avenue Phillipsburg, NJ 08865

Certificate of Analysis

Project Name:

Lead & Copper in DW

Workorder:

2263412

Purchase Order:

Workorder ID:

17-040 Washington Boro School

Dear Mr. McGuinness:

Enclosed are the analytical results for samples received by the laboratory on Wednesday, September 20, 2017.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Ms. Shannon Butler (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

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

ALS Spring City: 10 Riverside Drive, Spring City, PA 19475 610-948-4903

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Shanna Bully

Ms. Shannon Butler Project Coordinator





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SAMPLE SUMMARY

Workorder: 2263412 17-040 Washington Boro School

Notes

- -- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 Field Services Sampling Plan).
- -- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- -- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- -- The Chain of Custody document is included as part of this report.
- -- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra.

 Concentrations reported are estimated values.
- -- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are preformed in the laboratory and are therefore analyzed out of hold time.
- -- Method references listed on this report beginning with the prefix "S" followed by a method number (such as S2310B-97) refer to methods from "Standard Methods for the Examination of Water and Wastewater".
- -- For microbiological analyses, the "Prepared" value is the date/time into the incurbator and the "Analyzed" value is the date/time out the incubator.

Standard Acronyms/Flags

- J Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
- U indicates that the analyte was Not Detected (ND)
- N indicates presumptive evidence of the presence of a compound
- MDL Method Detection Limit
- PQL Practical Quantitation Limit
- RDL Reporting Detection Limit
- ND Not Detected indicates that the analyte was Not Detected at the RDL
- Cntr Analysis was performed using this container

RegLmt Regulatory Limit

- LCS Laboratory Control Sample
- MS Matrix Spike
- MSD Matrix Spike Duplicate
- DUP Sample Duplicate
- %Rec Percent Recovery
- RPD Relative Percent Difference
- LOD DoD Limit of Detection
- LOQ DoD Limit of Quantitation
- DL DoD Detection Limit
- Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
- (S) Surrogate Compound
- NC Not Calculated
- * Result outside of QC limits

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ANALYTICAL RESULTS

Workorder: 2263412 17-040 Washington Boro School

Lab ID:

2263412002

Date Collected: 9/19/2017 07:55

Matrix:

Drinking Water

Sample ID:

091917-02

Date Received: 9/20/2017 20:25

Parameters	Results	Flag	Units	RDL	Method	Prepared	Ву	Analyzed	Ву	Cntr
METALS										
Copper, Total	0.097		mg/L	0.0050	EPA 200.8	9/28/17 14:05	JTP	9/29/17 22:17	MO	A1
Lead, Total	ND		mg/L	0.0020	EPA 200.8	9/28/17 14:05	JTP	9/29/17 22:17	МО	A1

Ms. Shannon Butler **Project Coordinator**





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QUALITY CONTROL DATA

Workorder: 2263412 17-040 Washington Boro School

Copper, Total	.0973	mg/L	.1	.19302	.19743	95.7	100	70 - 130	2.26	20	
Lead, Total	.00036	mg/L	.1	.10659	.10645	106	106	70 - 130	.13	20	

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