



RK Occupational & Environmental Analysis Inc.

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rkenvironmental@entermail.net

Mold Assessment
and Remediation

October 10, 2017

Health/Safety and
Environmental
Regulatory
Compliance

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
Follow-Up Sampling in Room 132 at Memorial School**

OSHA/EPA/DOT
Training Programs

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. 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.

Indoor Air Quality

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

Underground/
Aboveground
Storage Tanks

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

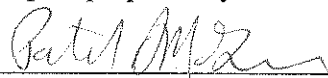
2. Water Sampling Results and Discussion

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



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

Ms. Shannon Butler
Project Coordinator

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

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Vancouver Waterloo · Winnipeg · Yellowknife United States: Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York Mexico: Monterrey

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 performed 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 incubator 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
I	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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State Certifications: DE ID 11, MA PA0102, MD 128, VA 460157, WV 343

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 By	Analyzed By	Contr
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 MO	A1

Shannon Butler
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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34 Dogwood Lane
Middletown, PA 17057
P. 717-944-5541
F. 717-944-1430

Environmental

Client Name: RK Occupational & Environmental Analysis

Address: 401 St James Avenue
Phillipsburg, NJ 08865

Contact: PD McGuinness

Phone#: 908-454-6316

Project Name#: 17-040: Washington Boro-Memorial School

Bill To: Same

TAT Normal-Standard TAT is 10-12 business days.
 Rush-Subject to ALS approval and surcharges.

Date Required: _____ Approved By: _____

Email? Y N pdm.mcguinness@center.net

Fax? Y N

Sample Description/Location (as it will appear on the lab report)	Sample Date	Time
091917-01	09-19-17	07:49
091917-02	09-19-17	07:55

**CHAIN OF CUSTODY/
REQUEST FOR ANALYSIS**
ALL SHARED AREAS MUST BE COMPLETED BY THE CLIENT /
SAMPLER. INSTRUCTIONS ON THE BACK.

COC #: _____
ALS IQU _____



Receipt Information (completed by receiving Lab)

Cooler Temp: 9.2 Therm ID: 309

No. of Coolers: _____ Y _____ N _____ Initial

Custody Seals Present? _____

(if present) Seals Intact? _____

Received on Ice? _____

COC Labels Complete/Accurate? _____

Cont. in Good Cond.? _____

Correct Containers? _____

Correct Sample Volumes? _____

Correct Preservation? _____

Headspace/Voidless? _____

Courier/Tracking #: _____

Sample/COC Comments

Enter Number of Containers Per Sample or Field Results Below.

Matrix	Container Type	Volume	Preservative	ANALYSES/METHOD REQUESTED	Enter Number of Containers Per Sample or Field Results Below.
G or C	DW	250 ml	HNO ₃	PD and Cu per Method 200.6	1 x
G or C	DW				1 x

Project Comments:

LOGGED BY (signature): _____

REVIEWED BY (signature): _____

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1 PD McGuinness	9/19/17	1400	[Signature]	9/19/17	1640
3 [Signature]	9/20/17		[Signature]	9/20/17	1830
5 [Signature]	9/20/17		[Signature]	9/20/17	2025
7					
9					

ALSI Field Services: Pickup of Labor
 Composite Sampling Rental Equipment
 Other.

Special Processing: USACE Navy State Samples Collected In: NY NJ PA NC MD WV

Deliverables: Standard CLP-like USACE

Reportable to PADEP? Yes No

PWSID #: _____

EDDS: Format Type: _____

G=Grab; C=Composite *Matrix: Air=Air; DW=Drinking Water; GW=Groundwater; O=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater

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ALS