



RK Occupational & Environmental Analysis Inc.

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Mold Assessment
and Remediation

April 1, 2016

Health/Safety and
Environmental
Regulatory
Compliance

Ms. Nancy Deriso
Board Secretary/Business Administrator
Oxford Township Board of Education
17 Kent Street
Oxford, NJ 07863

Right-To-Know

re: **Potable Water Sampling for Lead and Copper**

OSHA/EPA/DOT
Training Programs

Dear Ms. Deriso,

Asbestos and Lead
Management

Attached is our report on the water sampling that was performed at the Oxford Central School on March 17, 2016. The sampling was conducted for information purposes to determine if either Lead or Copper was present in the drinking water at the School.

Industrial Hygiene/
OSHA Compliance

As noted, since you are served by a public water utility, they are responsible for the periodic testing for water-borne contaminants. There are, however, sources of Lead and Copper in the building's water distribution piping that may impact the drinking water.

Indoor Air Quality

A total of 16 water samples were collected in the building early in the morning before students and staff arrived to allow for a "first draw" sample of the water. Samples were analyzed for Lead and Copper.

Underground/
Aboveground
Storage Tanks

Sampling results showed that levels of Copper for all samples were well below the Action Level. Additionally, 11 of the 16 samples had no detectable levels of Lead.

Environmental
Site Assessment

If you have any questions, please don't hesitate to call us.

Hazardous/
Medical Waste
Management

Sincerely,

Patrick D. McGuinness, MS, P.E.
Vice President

Environmental
Audits

PDM/

(file \Reports\Watertest\Oxford Twp - 161)

Expert Witness/
Litigation Support

Customized
Software

Sampling Results - Lead and Copper in Drinking Water Oxford Central School

1. Introduction and Summary

A total of 16 samples were collected in the building to represent drinking water quality as it relates to total Copper and Lead content. Sampling results generally showed low levels of Copper while most of the 1st draw samples had no detectible levels of Lead.

All water samples are acceptable and indicate that the potable water supply does not draw any significant levels of either Lead or Copper from the water distribution piping system.

2. Water Sampling Procedures

Sampling protocols and procedures follow EPA guidelines that were developed for schools. They recognize that the typical school building is actually a conglomeration of an original building with one or more additions, each of which may have a different water distribution system. Implicit in this reality is that the older sections of some school buildings may still have Lead service piping. Other sections constructed before 1986 are likely constructed using leaded solders and fluxes on Copper water lines.

Other potential sources of Lead in drinking water include brass faucets, fittings, and valves, and so called "Lead-Free" solders that are used in the municipal and building piping distribution systems. It is important to note that faucets, fittings, valves and solders used since 1986 may actually contain up to 8% Lead by weight.

The sampling protocol requires that sampling be performed prior to any water use at the building to ensure that "first draw water" was taken; that is water that has been standing in the service lines overnight. Samples were collected from delivery points that could conceivably be used for drinking or cooking. An additional sample was collected at the entry point into the school (a service tap in Storage Room B-3A).

All samples were collected in contaminant free, 1,000-ml containers. Laboratory analysis of the water samples was performed by Analytical Laboratory Services, Inc. of Middletown, PA (NJ DEP Certification No. PA010). The analytical method is per EPA 600/4-79-020, Method 200.8 via atomic absorption, platform furnace technique.

The samples were collected early on a weekday morning before staff and students arrived for classes to allow for a "first draw" sample of the water.

3. Drinking Water Standards for Lead and Copper

Drinking water quality standards promulgated by the EPA and the NJ Department of Environmental Protection (NJDEP) define maximum contaminant levels (MCL). The MCL is the maximum permissible amount of any regulated contaminants allowed in public drinking water.

EPA has also developed MCL goals (or MCLG) that are non-enforceable health goals at levels where no adverse health effects would be expected.

In addition to the MCL, drinking water regulations also identify Action Levels. Current MCLG and Action Levels for Lead and Copper are as follows:

	<u>Action Level</u>	<u>MCLG</u>
Lead (mg/L)	0.015	0.0
Copper (mg/L)	1.30	1.30

Action levels for Lead and Copper are distinguished from MCL in that the source of the metals can be from the water delivery system itself. Since neither Lead nor Copper typically exist in the raw water supplies at significant quantities, its primary source in drinking water occurs from corrosion of Copper and/or Lead piping. Finally, the action levels relate to the 90th percentile sample for Lead and Copper.

4. Sample Results and Discussion

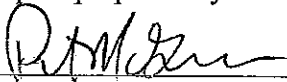
Table 1 is appended to the end of this report and lists the water sampling locations and laboratory results for Lead and Copper. The complete laboratory analytical report and water sampling log are also appended to this report. All results are expressed as milligrams of Lead or Copper per liter of water (mg/L).

All samples showed low and acceptable levels of Copper while most of the samples had no detectible levels of Lead. The highest result for Copper was 0.39 mg/L for sample #13 which was collected at the fountain outside Room 201 is well below the respective Action Level of 1.3 mg/L.

The highest measured Lead result was for sample #16 which was collected from the service tap in Storage Room B-3A at 0.0051 mg/L is well below the Action Level of 0.015 mg/L. The next highest were samples #02 and #04 that were collected from the kitchen sinks at 0.0048 mg/L, also well below the respective Action Level of 0.015 mg/L.

Based on these sampling results, it is apparent that there are no concerns with the drinking water in the building. No response action is indicated, however, it is recommended that the school consider repeating this sampling every five (5) years.

Report prepared by:



Patrick D. McGuinness, MS, P.E.

Table 1: Water Sampling Data
Oxford Central School: March 17, 2016

Sample No.	Type	Sample Location	Time	Results (mg/L)	
				Cu	Pb
OCS-031716-01	Faucet	Kitchen Sink - Center of Kitchen	06:40	0.14	0.0041
OCS-031716-02	Faucet	Kitchen Sink - wall - left (sanitize)	06:41	0.13	0.0048
OCS-031716-03	Faucet	Kitchen Sink - wall - middle (rinse)	06:42	0.10	0.0028
OCS-031716-04	Faucet	Kitchen Sink - wall - right (wash)	06:43	0.14	0.0048
OCS-031716-05	Chiller	Fountain outside Boys Toilet/Locker Rm - left	06:50	0.072	ND
OCS-031716-06	Chiller	Fountain outside Boys Toilet/Locker Rm - right	06:51	0.092	ND
OCS-031716-07	Chiller	Fountain outside Rm 136 – left	06:54	0.11	ND
OCS-031716-08	Chiller	Fountain outside Rm 136 - right	06:55	0.14	ND
OCS-031716-09	Faucet	Nurse's Office – sink	06:58	0.26	ND
OCS-031716-10	Chiller	Fountain outside Rm 231 – left	07:05	0.079	ND
OCS-031716-11	Chiller	Fountain outside Rm 231 - right	07:06	0.11	ND
OCS-031716-12	Faucet	Faculty Office Rm 211 sink	07:12	0.12	ND
OCS-031716-13	Chiller	Fountain outside Rm 201	07:15	0.39	ND
OCS-031716-14	Chiller	Fountain outside Rm 238 – left	07:20	0.12	ND
OCS-031716-15	Chiller	Fountain outside Rm 238 - right	07:21	0.14	ND
OCS-031716-16	Service Tap	Tap in Storage Room B-3A	07:30	0.027	0.0051

Note: ND means Not Detected at or above the Reliability Detection Limit (RDL) of 0.0020 for Lead.

Water Sampling Log

Name of Building Oxford Central School
 Building Owner Oxford Twp. Board of Education

Date Collected 17-Mar-16
 Sample Collected by RCE

Sample No.	Sample Type	Type of Outlet	Mfg/Model Serial No.	Date Installed	Location	Time	Results		
							Cu	Pb	Units
OCS-031716-01	1M	Faucet	---		Kitchen Sink - Center of Kitchen	06:40	0.14	0.0041	mg/L
OCS-031716-02	1M	Faucet	---		Kitchen Sink - wall - left (sanitize)	06:41	0.13	0.0048	mg/L
OCS-031716-03	1M	Faucet	---		Kitchen Sink - wall - middle (rinse)	06:42	0.10	0.0028	mg/L
OCS-031716-04	1M	Faucet	---		Kitchen Sink - wall - right (wash)	06:43	0.14	0.0048	mg/L
OCS-031716-05	1M	Chiller	Elkay		Fountain outside Boys Toilet/Locker Rm - left	06:50	0.072	<0.0020	mg/L
OCS-031716-06	1M	Chiller	Elkay		Fountain outside Boys Toilet/Locker Rm - right	06:51	0.092	<0.0020	mg/L
OCS-031716-07	1M	Chiller	Elkay		Fountain outside Rm 136 - left	06:54	0.11	<0.0020	mg/L
OCS-031716-08	1M	Chiller	Elkay		Fountain outside Rm 136 - right	06:55	0.14	<0.0020	mg/L
OCS-031716-09	1M	Faucet	---		Nurse's Office - sink	06:58	0.26	<0.0020	mg/L
OCS-031716-10	1M	Chiller	Elkay		Fountain outside Rm 231 - left	07:05	0.079	<0.0020	mg/L
OCS-031716-11	1M	Chiller	Elkay		Fountain outside Rm 231 - right	07:06	0.11	<0.0020	mg/L
OCS-031716-12	1M	Faucet	---		Faculty Office Rm 211 sink	07:12	0.12	<0.0020	mg/L
OCS-031716-13	1M	Chiller	Elkay		Fountain outside Rm 201	07:15	0.39	<0.0020	mg/L
OCS-031716-14	1M	Chiller	Elkay		Fountain outside Rm 238 - left	07:20	0.12	<0.0020	mg/L
OCS-031716-15	1M	Chiller	Elkay		Fountain outside Rm 238 - right	07:21	0.14	<0.0020	mg/L
OCS-031716-16	1S	Service Tap	---		Tap in Storage Room B-3A	07:30	0.027	0.0051	mg/L

Legend - Sample Type
 1S tap closest to water service connection
 1M tap water representative of water in service main



March 22, 2016

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: 2131079
Purchase Order:	Workorder ID: 16-030 Oxford Twp BOE

Dear Mr. McGuinness:

Enclosed are the analytical results for samples received by the laboratory on Friday, March 18, 2016.

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.

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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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SAMPLE SUMMARY

Workorder 2131079 16-030 Oxford Twp BOE

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
2131079001	OCS-031716-01	Drinking Water	3/17/2016 06:40	3/18/2016 20:20	Collected by Client
2131079002	OCS-031716-02	Drinking Water	3/17/2016 06:41	3/18/2016 20:20	Collected by Client
2131079003	OCS-031716-03	Drinking Water	3/17/2016 06:42	3/18/2016 20:20	Collected by Client
2131079004	OCS-031716-04	Drinking Water	3/17/2016 06:43	3/18/2016 20:20	Collected by Client
2131079005	OCS-031716-05	Drinking Water	3/17/2016 06:50	3/18/2016 20:20	Collected by Client
2131079006	OCS-031716-06	Drinking Water	3/17/2016 06:51	3/18/2016 20:20	Collected by Client
2131079007	OCS-031716-07	Drinking Water	3/17/2016 06:54	3/18/2016 20:20	Collected by Client
2131079008	OCS-031716-08	Drinking Water	3/17/2016 06:55	3/18/2016 20:20	Collected by Client
2131079009	OCS-031716-09	Drinking Water	3/17/2016 06:58	3/18/2016 20:20	Collected by Client
2131079010	OCS-031716-10	Drinking Water	3/17/2016 07:05	3/18/2016 20:20	Collected by Client
2131079011	OCS-031716-11	Drinking Water	3/17/2016 07:06	3/18/2016 20:20	Collected by Client
2131079012	OCS-031716-12	Drinking Water	3/17/2016 07:12	3/18/2016 20:20	Collected by Client
2131079013	OCS-031716-13	Drinking Water	3/17/2016 07:15	3/18/2016 20:20	Collected by Client
2131079014	OCS-031716-14	Drinking Water	3/17/2016 07:20	3/18/2016 20:20	Collected by Client
2131079015	OCS-031716-15	Drinking Water	3/17/2016 07:21	3/18/2016 20:20	Collected by Client
2131079016	OCS-031716-16	Drinking Water	3/17/2016 07:30	3/18/2016 20:20	Collected by Client

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SAMPLE SUMMARY

Workorder 2131079 16-030 Oxford Twp BOE

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" 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

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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

ANALYTICAL RESULTS

Workorder 2131079 16-030 Oxford Twp BOE

Lab ID: 2131079001 Date Collected: 3/17/2016 06:40 Matrix: Drinking Water
 Sample ID: OCS-031716-01 Date Received: 3/18/2016 20:20

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
METALS										
Copper, Total	0.14		mg/L	0.0050	EPA 200.8	3/21/16 12:42	MO	3/21/16 14:03	MO	A1
Lead, Total	0.0041		mg/L	0.0020	EPA 200.8	3/21/16 12:42	MO	3/21/16 14:03	MO	A1

Shannon Butler
 Ms. Shannon Butler
 Project Coordinator

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ANALYTICAL RESULTS

Workorder 2131079 16-030 Oxford Twp BOE

Lab ID: 2131079002 Date Collected: 3/17/2016 06:41 Matrix: Drinking Water
 Sample ID: OCS-031716-02 Date Received: 3/18/2016 20:20

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
METALS										
Copper, Total	0.13		mg/L	0.0050	EPA 200.8	3/21/16 12:42	MO	3/21/16 14:15	MO	A1
Lead, Total	0.0048		mg/L	0.0020	EPA 200.8	3/21/16 12:42	MO	3/21/16 14:15	MO	A1



Ms. Shannon Butler
 Project Coordinator

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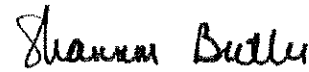
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 State Certifications: DE ID 11 , MA PA0102 , MD 128 , VA 460157 , WV 343

ANALYTICAL RESULTS

Workorder 2131079 16-030 Oxford Twp BOE

Lab ID: 2131079003 Date Collected: 3/17/2016 06:42 Matrix: Drinking Water
 Sample ID: OCS-031716-03 Date Received: 3/18/2016 20:20

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
METALS										
Copper, Total	0.10		mg/L	0.0050	EPA 200.8	3/21/16 12:42	MO	3/21/16 14:19	MO	A1
Lead, Total	0.0028		mg/L	0.0020	EPA 200.8	3/21/16 12:42	MO	3/21/16 14:19	MO	A1



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ANALYTICAL RESULTS

Workorder 2131079 16-030 Oxford Twp BOE

Lab ID: **2131079004** Date Collected: 3/17/2016 06:43 Matrix: Drinking Water
 Sample ID: **OCS-031716-04** Date Received: 3/18/2016 20:20

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
METALS										
Copper, Total	0.14		mg/L	0.0050	EPA 200.8	3/21/16 12:42	MO	3/21/16 14:23	MO	A1
Lead, Total	0.0048		mg/L	0.0020	EPA 200.8	3/21/16 12:42	MO	3/21/16 14:23	MO	A1



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ANALYTICAL RESULTS

Workorder 2131079 16-030 Oxford Twp BOE

Lab ID: 2131079005 Date Collected: 3/17/2016 06:50 Matrix: Drinking Water
 Sample ID: OCS-031716-05 Date Received: 3/18/2016 20:20

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
METALS										
Copper, Total	0.072		mg/L	0.0050	EPA 200.8	3/21/16 12:42	MO	3/21/16 14:34	MO	A1
Lead, Total	ND		mg/L	0.0020	EPA 200.8	3/21/16 12:42	MO	3/21/16 14:34	MO	A1

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ANALYTICAL RESULTS

Workorder 2131079 16-030 Oxford Twp BOE

Lab ID: 2131079006 Date Collected: 3/17/2016 06:51 Matrix: Drinking Water
 Sample ID: OCS-031716-06 Date Received: 3/18/2016 20:20

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
METALS										
Copper, Total	0.092		mg/L	0.0050	EPA 200.8	3/21/16 12:42	MO	3/21/16 14:38	MO	A1
Lead, Total	ND		mg/L	0.0020	EPA 200.8	3/21/16 12:42	MO	3/21/16 14:38	MO	A1

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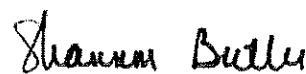


ANALYTICAL RESULTS

Workorder 2131079 16-030 Oxford Twp BOE

Lab ID: **2131079007** Date Collected: 3/17/2016 06:54 Matrix: Drinking Water
 Sample ID: **OCS-031716-07** Date Received: 3/18/2016 20:20

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
METALS										
Copper, Total	0.11		mg/L	0.0050	EPA 200.8	3/21/16 12:42	MO	3/21/16 14:42	MO	A1
Lead, Total	ND		mg/L	0.0020	EPA 200.8	3/21/16 12:42	MO	3/21/16 14:42	MO	A1



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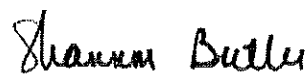


ANALYTICAL RESULTS

Workorder 2131079 16-030 Oxford Twp BOE

Lab ID: 2131079008 Date Collected: 3/17/2016 06:55 Matrix: Drinking Water
 Sample ID: OCS-031716-08 Date Received: 3/18/2016 20:20

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
METALS										
Copper, Total	0.14		mg/L	0.0050	EPA 200.8	3/21/16 12:42	MO	3/21/16 14:46	MO	A1
Lead, Total	ND		mg/L	0.0020	EPA 200.8	3/21/16 12:42	MO	3/21/16 14:46	MO	A1



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 Project Coordinator

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ANALYTICAL RESULTS

Workorder 2131079 16-030 Oxford Twp BOE

Lab ID: 2131079009 Date Collected: 3/17/2016 06:58 Matrix: Drinking Water
 Sample ID: OCS-031716-09 Date Received: 3/18/2016 20:20

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
METALS										
Copper, Total	0.26		mg/L	0.0050	EPA 200.8	3/21/16 12:42	MO	3/21/16 14:50	MO	A1
Lead, Total	ND		mg/L	0.0020	EPA 200.8	3/21/16 12:42	MO	3/21/16 14:50	MO	A1



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ANALYTICAL RESULTS

Workorder 2131079 16-030 Oxford Twp BOE

Lab ID: 2131079010 Date Collected: 3/17/2016 07:05 Matrix: Drinking Water
 Sample ID: OCS-031716-10 Date Received: 3/18/2016 20:20

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
METALS										
Copper, Total	0.079		mg/L	0.0050	EPA 200.8	3/21/16 12:42	MO	3/21/16 14:54	MO	A1
Lead, Total	ND		mg/L	0.0020	EPA 200.8	3/21/16 12:42	MO	3/21/16 14:54	MO	A1

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ANALYTICAL RESULTS

Workorder 2131079 16-030 Oxford Twp BOE

Lab ID: 2131079011 Date Collected: 3/17/2016 07:06 Matrix: Drinking Water
Sample ID: OCS-031716-11 Date Received: 3/18/2016 20:20

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
METALS										
Copper, Total	0.11		mg/L	0.0050	EPA 200.8	3/21/16 12:42	MO	3/21/16 14:57	MO	A1
Lead, Total	ND		mg/L	0.0020	EPA 200.8	3/21/16 12:42	MO	3/21/16 14:57	MO	A1

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ANALYTICAL RESULTS

Workorder 2131079 16-030 Oxford Twp BOE

Lab ID: 2131079012 Date Collected: 3/17/2016 07:12 Matrix: Drinking Water
Sample ID: OCS-031716-12 Date Received: 3/18/2016 20:20

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
METALS										
Copper, Total	0.12		mg/L	0.0050	EPA 200.8	3/21/16 12:42	MO	3/21/16 15:09	MO	A1
Lead, Total	ND		mg/L	0.0020	EPA 200.8	3/21/16 12:42	MO	3/21/16 15:09	MO	A1

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ANALYTICAL RESULTS

Workorder 2131079 16-030 Oxford Twp BOE

Lab ID: 2131079013 Date Collected: 3/17/2016 07:15 Matrix: Drinking Water
Sample ID: OCS-031716-13 Date Received: 3/18/2016 20:20

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
METALS										
Copper, Total	0.39		mg/L	0.0050	EPA 200.8	3/21/16 12:42	MO	3/21/16 15:21	MO	A1
Lead, Total	ND		mg/L	0.0020	EPA 200.8	3/21/16 12:42	MO	3/21/16 15:21	MO	A1

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ANALYTICAL RESULTS

Workorder 2131079 16-030 Oxford Twp BOE

Lab ID: 2131079014

Date Collected: 3/17/2016 07:20

Matrix: Drinking Water

Sample ID: OCS-031716-14

Date Received: 3/18/2016 20:20

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
METALS										
Copper, Total	0.12		mg/L	0.0050	EPA 200.8	3/21/16 12:42	MO	3/21/16 15:25	MO	A1
Lead, Total	ND		mg/L	0.0020	EPA 200.8	3/21/16 12:42	MO	3/21/16 15:25	MO	A1

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ANALYTICAL RESULTS

Workorder 2131079 16-030 Oxford Twp BOE

Lab ID: 2131079015 Date Collected: 3/17/2016 07:21 Matrix: Drinking Water
Sample ID: OCS-031716-15 Date Received: 3/18/2016 20:20

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
METALS										
Copper, Total	0.14		mg/L	0.0050	EPA 200.8	3/21/16 12:42	MO	3/21/16 15:28	MO	A1
Lead, Total	ND		mg/L	0.0020	EPA 200.8	3/21/16 12:42	MO	3/21/16 15:28	MO	A1

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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

ANALYTICAL RESULTS

Workorder 2131079 16-030 Oxford Twp BOE

Lab ID: 2131079016 Date Collected: 3/17/2016 07:30 Matrix: Drinking Water
Sample ID: OCS-031716-16 Date Received: 3/18/2016 20:20

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
METALS										
Copper, Total	0.027		mg/L	0.0050	EPA 200.8	3/21/16 12:42	MO	3/21/16 15:32	MO	A1
Lead, Total	0.0051		mg/L	0.0020	EPA 200.8	3/21/16 12:42	MO	3/21/16 15:32	MO	A1

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

COC # 1 of 2

ALS Q

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Client Name: RK Occupational & Environmental Analysis
 Address: 401 St James Avenue
 Phillipsburg, NJ 08865
 Contact: PD McGuinness
 Phone: 908-454-6316
 Project Name: 16-030 Oxford Twp BOE
 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 RKENVIRONMENTAL@INTERNAL.NET
 Fax? Y N

Sample Description/Location (as it will appear on the lab report)	Sample Date	Time	Matrix	Enter Number of Containers Per Sample or Field Results Below.	ANALYSES/METHOD REQUESTED
OCS-031716-01	17-Mar-16	06:40	G DW	X	Pb and Cu per Method 200.8
OCS-031716-02	17-Mar-16	06:41	G DW	X	
OCS-031716-03	17-Mar-16	06:42	G DW	X	
OCS-031716-04	17-Mar-16	06:43	G DW	X	
OCS-031716-05	17-Mar-16	06:50	G DW	X	
OCS-031716-06	17-Mar-16	06:51	G DW	X	
OCS-031716-07	17-Mar-16	06:54	G DW	X	
OCS-031716-08	17-Mar-16	06:55	G DW	X	
OCS-031716-09	17-Mar-16	06:58	G DW	X	
OCS-031716-10	17-Mar-16	07:05	G DW	X	

Project Comments: Oxford Central School

Relinquished By / Company Name: Paul Collins ALS

Date: 3/17/16 Time: 12:10

Received By / Company Name: Paul Collins ALS

Date: 3/18/16 Time: 11:20

Relinquished By / Company Name: D. J. ...

Date: 3/14/16 Time: 12:04

Received By / Company Name: UM

Date: 3/14/16 Time: 18:00

Relinquished By / Company Name: UM

Date: 3/18/2016 Time: 10:00

Received By / Company Name: ALS

Date: 3/18/2016 Time: 10:00

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

ALS Field Services: Pickup Labor Composite Sampling Rental Equipment Other:

Standard OLP-like USACE

Reportable to PADEP? Yes No

PWSID # _____

EDDS: Format Type: _____

Copies: WHITE - ORIGINAL CANARY - CUSTOMER MAILING PINK - FILE GOLDENROD - CUSTOMER COPY

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Environmental

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

COC #: 019
ALSI Quote #: 2 of 2

Client Name: RK Occupational & Environmental Analysis
Address: 401 St James Avenue
Phillipsburg, NJ 08865
Contact: PD McGuinness
Phone: 908-454-6316
Project Name: 16-030 Oxford Twp BOE
Bill To: Same

Receipt Information (Completed by Receiving Lab)
Cooler Temp: Therm ID: 352
No. of Coolers: Y N Initials: [Signature]
Custody Seals Present? (If present) Seals Intact?
Received on lot?
COCLabels Complete/Accurate?
Cont. in Good Cond.?
Correct Containers?
Correct Sample Volumes?
Correct Preservation?
Headspace/Volatiles?

Sample Description/Location (as it will appear on the lab report)	Sample Date	Time	Matrix	Enter Number of Containers Per Sample or Field Results Below	ANALYSES/METHOD REQUESTED
OCS-031716-11	17-Mar-16	07:06	G DW	X	AL .015 AL 1/30 Cu Pb and Cu per Method 200.8
OCS-031716-12	17-Mar-16	07:12	G DW	X	ND
OCS-031716-13	17-Mar-16	07:15	G DW	X	ND
OCS-031716-14	17-Mar-16	07:20	G DW	X	ND
OCS-031716-15	17-Mar-16	07:21	G DW	X	ND
OCS-031716-16	17-Mar-16	07:30	G DW	X	ND

Project Comments: Oxford Central School

Refiniquished By / Company Name: [Signature] / Sp

Received By / Company Name: [Signature] / Sp

Date: 3/17/16 12:10
3/18/16 12:04
3/18/16 18:06
3/18/2016 8:10

Time: 11:00
12:30
18:00
20:20

Deliverable: Standard CLP-like USACE

Reportable to PADEP? Yes No

Sample Disposal: Lab Special

State Samples Collected In: NY NJ PA NC MD WV

ALSI Field Services: Pickup Labor Composite Sampling Rental Equipment Other

Logged By (Signature): [Signature] Date: 3/19/16 Time: 07:20
Reviewed By (Signature): [Signature] Date: 3/21/16 Time: 11:00

Matrix: G=Grab; C=Composite; A=Air; DW=Drinking Water; GW=Groundwater; O=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; VM=Volatile Matter
Copies: WHITE - ORIGINAL; CANARY - CUSTOMER MAILING; PINK - FILE; GOLDENROD - CUSTOMER COPY