ALS Environmental

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 12, 2016

Ms. Dawn Summers
Negley's Well Drilling
28 Sarah Susan Lane
Greencastle, PA 17225

Certificate of Analysis

Project Name:	**South Fulton Elementary School**	Workorder:	**2172915**
Purchase Order:		Workorder ID:	**South Fulton Elementary School**

Dear Ms. Summers:

Enclosed are the analytical results for samples received by the laboratory on Wednesday, September 7, 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. Amy K Borden (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.

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

CC: Mr. Trent Stumbaugh

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

Amy K Borden

Ms. Amy K Borden
Project Coordinator

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SAMPLE SUMMARY

Workorder: 2172915 South Fulton Elementary School

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
2172915001	Distribution 701 Nurses Office Sink	Drinking Water	9/7/2016 11:10	9/7/2016 17:12	Collected by Client
2172915002	Distribution 001	Drinking Water	9/7/2016 06:30	9/7/2016 17:12	Collected by Client
2172915003	Distribution 002	Drinking Water	9/7/2016 06:30	9/7/2016 17:12	Collected by Client
2172915004	Distribution 003	Drinking Water	9/7/2016 06:30	9/7/2016 17:12	Collected by Client
2172915005	Distribution 004	Drinking Water	9/7/2016 06:30	9/7/2016 17:12	Collected by Client
2172915006	Distribution 005	Drinking Water	9/7/2016 06:30	9/7/2016 17:12	Collected by Client

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SAMPLE SUMMARY

Workorder: 2172915 South Fulton Elementary 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 solls 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
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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PROJECT SUMMARY

Workorder: 2172915 South Fulton Elementary School

Sample Comments

Lab ID: 2172915001 **Sample ID:** Distribution 701 Nurses Office Sink **Sample Type:** SAMPLE

The Total Coliform analysis indicates that the sample does not exceed the drinking water limit established by the USEPA for Total Coliform and is considered to be bacteriologically potable. Zero Total Coliform colonies were detected.

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ANALYTICAL RESULTS

Workorder: 2172915 South Fulton Elementary School

Lab ID: **2172915001** Date Collected: 9/7/2016 11:10 Matrix: Drinking Water

Sample ID: **Distribution 701 Nurses Office Sink** Date Received: 9/7/2016 17:12

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
MICROBIOLOGY										
E. Coli	ND		col/100mL	1	S9223B-04	9/7/16 20:08	LLJ	9/8/16 14:55	LLJ	A
Total Coliform	ND		col/100mL	1	S9223B-04	9/7/16 20:08	LLJ	9/8/16 14:55	LLJ	A

Amy K Borden

Ms. Amy K Borden
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 2172915 South Fulton Elementary School

Lab ID: **2172915002** Date Collected: 9/7/2016 06:30 Matrix: Drinking Water

Sample ID: **Distribution 001** Date Received: 9/7/2016 17:12

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
METALS										
Copper, Total	0.030		mg/L	0.0050	EPA 200.8	9/9/16 11:29	MO	9/9/16 15:21	MO	A1
Lead, Total	ND		mg/L	0.0020	EPA 200.8	9/9/16 11:29	MO	9/9/16 15:21	MO	A1

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ANALYTICAL RESULTS

Workorder: 2172915 South Fulton Elementary School

Lab ID: **2172915003** Date Collected: 9/7/2016 06:30 Matrix: Drinking Water

Sample ID: **Distribution 002** Date Received: 9/7/2016 17:12

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
METALS										
Copper, Total	0.036		mg/L	0.0050	EPA 200.8	9/9/16 11:29	MO	9/9/16 15:24	MO	A1
Lead, Total	ND		mg/L	0.0020	EPA 200.8	9/9/16 11:29	MO	9/9/16 15:24	MO	A1

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ANALYTICAL RESULTS

Workorder: 2172915 South Fulton Elementary School

Lab ID: **2172915004** Date Collected: 9/7/2016 06:30 Matrix: Drinking Water

Sample ID: **Distribution 003** Date Received: 9/7/2016 17:12

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
METALS										
Copper, Total	0.038		mg/L	0.0050	EPA 200.8	9/9/16 11:29	MO	9/9/16 15:27	MO	A1
Lead, Total	ND		mg/L	0.0020	EPA 200.8	9/9/16 11:29	MO	9/9/16 15:27	MO	A1

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ANALYTICAL RESULTS

Workorder: 2172915 South Fulton Elementary School

Lab ID: **2172915005** Date Collected: 9/7/2016 06:30 Matrix: Drinking Water

Sample ID: **Distribution 004** Date Received: 9/7/2016 17:12

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
METALS										
Copper, Total	0.068		mg/L	0.0050	EPA 200.8	9/9/16 11:32	MO	9/9/16 15:29	MO	A1
Lead, Total	ND		mg/L	0.0020	EPA 200.8	9/9/16 11:32	MO	9/9/16 15:29	MO	A1

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ANALYTICAL RESULTS

Workorder: 2172915 South Fulton Elementary School

Lab ID: **2172915006** Date Collected: 9/7/2016 06:30 Matrix: Drinking Water

Sample ID: **Distribution 005** Date Received: 9/7/2016 17:12

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
METALS										
Copper, Total	0.13		mg/L	0.0050	EPA 200.8	9/9/16 11:32	MO	9/9/16 15:37	MO	A1
Lead, Total	ND		mg/L	0.0020	EPA 200.8	9/9/16 11:32	MO	9/9/16 15:37	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.

A

Page ___ of ___

Courier:

Tracking #:

2172915

Co. Name:

Contact (Report to): Negley's Clean Water Center Phone:

Address: 28 Sarah Susan Lane
Greencastle, PA 17225

Bill to (if different than Report to): PWSID#4290818 PO#:

Project Name/#: SE. Elementary Schml ALS Quote #:

TAT: ☐ Normal-Standard TAT is 10-12 business days. Date Required:
☐ Rush-Subject to ALS approval and surcharges. Approved By:

Email? ☐ Y

Fax? ☐ Y No.:

Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time	*G or C	**Matrix	***Container Type	***Container Size	*** Preservative	ANALYSES/METHOD REQUESTED										Enter Number of Containers Per Analysis
1 Dist. 701		9/6	11:10	G	DW	PL	1L	HNO3	(5)										x
2 001			06:30							TL Pb Ec Cu									x
3 002																			x
4 003																			x
5 004	MICRO ADD 9/7/16 REC'D 1712																		x
6 005																			x
7																			
8																			

Correct containers? Y N
Correct sample volume? Y N
Correct preservation? Y N
Headspace/Volatiles? Y N (N)
Circle appropriate Y or N.

Custody seals Present? Y
(if present) Seals intact? Y N (N)
Received on Ice? Y
COC/Labels complete/accurate? Y
Container in good condition? Y

Cooler Temp: 3
Therm. ID: 352
No. of Coolers:
Notes:

SAMPLED BY (Please Print): Tyson Mowery

Project Comments: RWL 9/8 255

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1	9-7-16	14:30	2	9-7	1433
3	9-7	1912	4	9/7	1712
5			6		
7			8		
9			10		

Data Deliverables: ☐ Standard ☐ CLP-like ☐ NJ-Reduced ☐ NJ-Full ☐ ____

EDDs Required? ☐ If yes, format type:

SDWA Forms? ⇨ yes ☐
yes ☐
yes ☐

State Samples Collected in? MD ☐ NJ ☐ NY ☐ PA ☐

Other: 4290818

DOD Criteria Required?

ALS FIELD SERVICES
☐ Pickup
☐ Labor
☐ Composite Sampling
☐ Rental Equipment
☐ Other:

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

Copies: WHITE - ORIGINAL CANARY - CUSTOMER COPY ***Container Type: AG-Amber Glass; CG-Clear Glass, PL-Plastic. Container Size: 250ml, 500ml, 1L, 8oz., etc. Preservative: HCl, HNO3, NaOH, etc.

Rev 01-2013