

May 18, 2017

Mr. Rafael Torres
PARS Environmental
500 Horizon Drive
Trenton, NJ 08691

Certificate of Analysis

Project Name: High Bride	Workorder: 2228705
Purchase Order:	Workorder ID: Woodfern Elem. School

Dear Mr. Torres:

Enclosed are the analytical results for samples received by the laboratory on Friday, May 5, 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 Mrs. Vicki A. Forney (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

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



Mrs. Vicki A. Forney
Project Coordinator

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SAMPLE SUMMARY

Workorder: 2228705 Woodfern Elem. School

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
2228705001	FIELD BLANK	Drinking Water		5/5/2017 17:55	Collected by Client
2228705002	WES-1-120-SB-P2	Drinking Water		5/5/2017 17:55	Collected by Client
2228705003	WES-1-120-SB-F	Drinking Water		5/5/2017 17:55	Collected by Client
2228705004	WES-1-119-SB-P2	Drinking Water		5/5/2017 17:55	Collected by Client
2228705005	WES-1-119-SB-F	Drinking Water		5/5/2017 17:55	Collected by Client
2228705006	WES-1-113-SB-P2	Drinking Water		5/5/2017 17:55	Collected by Client
2228705007	WES-1-113-SB-F	Drinking Water		5/5/2017 17:55	Collected by Client
2228705008	WES-1-115-SB-P2	Drinking Water		5/5/2017 17:55	Collected by Client
2228705009	WES-1-115-SB-F	Drinking Water		5/5/2017 17:55	Collected by Client
2228705010	WES-1-116-SB-P2	Drinking Water		5/5/2017 17:55	Collected by Client
2228705011	WES-1-116-SB-F	Drinking Water		5/5/2017 17:55	Collected by Client

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SAMPLE SUMMARY

Workorder: 2228705 Woodfern Elem. 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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ANALYTICAL RESULTS

Workorder: 2228705 Woodfern Elem. School

Lab ID: **2228705001** Date Collected: Matrix: Drinking Water
 Sample ID: **FIELD BLANK** Date Received: 5/5/2017 17:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
METALS										
Lead, Total	ND		ug/L	2.0	EPA 200.8	5/17/17 08:37	MO	5/17/17 18:51	MO	A1



Mrs. Vicki A. Forney
 Project Coordinator

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ANALYTICAL RESULTS

Workorder: 2228705 Woodfern Elem. School

Lab ID: **2228705002** Date Collected: Matrix: Drinking Water
 Sample ID: **WES-1-120-SB-P2** Date Received: 5/5/2017 17:55

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed By	Cntr
METALS								
Lead, Total	21.2		ug/L	2.0	EPA 200.8	5/17/17 08:37 MO	5/17/17 18:54 MO	A1

Vicki Forney
 Mrs. Vicki A. Forney
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ANALYTICAL RESULTS

Workorder: 2228705 Woodfern Elem. School

Lab ID: **2228705003** Date Collected: Matrix: Drinking Water
 Sample ID: **WES-1-120-SB-F** Date Received: 5/5/2017 17:55

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed By	Cntr
METALS								
Lead, Total	34.8		ug/L	2.0	EPA 200.8	5/17/17 08:37 MO	5/17/17 19:02 MO	A1



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ANALYTICAL RESULTS

Workorder: 2228705 Woodfern Elem. School

Lab ID: **2228705004** Date Collected: Matrix: Drinking Water
 Sample ID: **WES-1-119-SB-P2** Date Received: 5/5/2017 17:55

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed By	Cntr
METALS								
Lead, Total	6.6		ug/L	2.0	EPA 200.8	5/17/17 08:37 MO	5/17/17 19:10 MO	A1



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ANALYTICAL RESULTS

Workorder: 2228705 Woodfern Elem. School

Lab ID: **2228705005** Date Collected: Matrix: Drinking Water
 Sample ID: **WES-1-119-SB-F** Date Received: 5/5/2017 17:55

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed By	Cntr
METALS								
Lead, Total	3.0		ug/L	2.0	EPA 200.8	5/17/17 08:37 MO	5/17/17 19:13 MO	A1



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ANALYTICAL RESULTS

Workorder: 2228705 Woodfern Elem. School

Lab ID: **2228705006** Date Collected: Matrix: Drinking Water
 Sample ID: **WES-1-113-SB-P2** Date Received: 5/5/2017 17:55

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed By	Cntr
METALS								
Lead, Total	24.7		ug/L	2.0	EPA 200.8	5/17/17 08:37 MO	5/17/17 19:15 MO	A1



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ANALYTICAL RESULTS

Workorder: 2228705 Woodfern Elem. School

Lab ID: **2228705007** Date Collected: Matrix: Drinking Water
 Sample ID: **WES-1-113-SB-F** Date Received: 5/5/2017 17:55

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed By	Cntr
METALS								
Lead, Total	3.1		ug/L	2.0	EPA 200.8	5/17/17 08:37 MO	5/17/17 19:18 MO	A1



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ANALYTICAL RESULTS

Workorder: 2228705 Woodfern Elem. School

Lab ID: **2228705008** Date Collected: Matrix: Drinking Water
 Sample ID: **WES-1-115-SB-P2** Date Received: 5/5/2017 17:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
METALS										
Lead, Total	32.9		ug/L	2.0	EPA 200.8	5/17/17 08:37	MO	5/17/17 19:21	MO	A1



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ANALYTICAL RESULTS

Workorder: 2228705 Woodfern Elem. School

Lab ID: **2228705009** Date Collected: Matrix: Drinking Water
 Sample ID: **WES-1-115-SB-F** Date Received: 5/5/2017 17:55

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
METALS										
Lead, Total	2.2		ug/L	2.0	EPA 200.8	5/17/17 08:37	MO	5/17/17 19:24	MO	A1



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ANALYTICAL RESULTS

Workorder: 2228705 Woodfern Elem. School

Lab ID: **2228705010** Date Collected: Matrix: Drinking Water
 Sample ID: **WES-1-116-SB-P2** Date Received: 5/5/2017 17:55

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed By	Cntr
METALS								
Lead, Total	10.4		ug/L	2.0	EPA 200.8	5/17/17 08:37 MO	5/17/17 19:26 MO	A1

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ANALYTICAL RESULTS

Workorder: 2228705 Woodfern Elem. School

Lab ID: **2228705011** Date Collected: Matrix: Drinking Water
 Sample ID: **WES-1-116-SB-F** Date Received: 5/5/2017 17:55

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed By	Cntr
METALS								
Lead, Total	3.7		ug/L	2.0	EPA 200.8	5/17/17 08:37 MO	5/17/17 19:34 MO	A1



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Facility Name:

Woodferon Elementary School / 425 Woodferon Rd. Hillsborough, NJ

Date: 5/5/17

Sample #	Sample ID	Sample Time	Comments
	field blank	7:28	
1	WES-1-120-SB-P2	7:30	
2	WES-1-120-SB-P	7:31	
3	WES-1-119-SB-P2	7:35	
4	WES-1-119-SB-F	7:36	
5	WES-1-113-SB-P2	7:38	
6	WES-1-113-SB-F	7:39	
7	WES-1-115-SB-P2	7:42	
8	WES-1-115-SB-F	7:44	
9	WES-1-116-SB-P2	7:50	
10	WES-1-116-SB-F	7:51	

Signature of Sampler:

Sample ID Guide:

Bldg ID - Flr - Rm - Direction - Type (- Faucet #)

Page #: 1 of 1