

June 2, 2017

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

## Certificate of Analysis

Project Name:	<b>Hillsborough High School/HB-TW</b>	Workorder:	<b>2233401</b>
Purchase Order:		Workorder ID:	<b>Hillsborough High School/HB-TW</b>

Dear Mr. Torres:

Enclosed are the analytical results for samples received by the laboratory on Monday, May 22, 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](http://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

CC: Jessica Perrini

*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: 2233401 Hillsborough High School/HB-TW

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
2233401001	Field Blank	Drinking Water	5/22/2017 05:32	5/22/2017 19:00	Collected by Client
2233401002	HHS-102-TO-CF-P	Drinking Water	5/22/2017 05:33	5/22/2017 19:00	Collected by Client
2233401003	HHS-167-EC-CF-P	Drinking Water	5/22/2017 05:37	5/22/2017 19:00	Collected by Client
2233401004	HHS-203-ESS-CF-P	Drinking Water	5/22/2017 05:40	5/22/2017 19:00	Collected by Client
2233401005	HHS-315-BR-WC-P	Drinking Water	5/22/2017 05:46	5/22/2017 19:00	Collected by Client
2233401006	HHS-315A-BR-CF-P	Drinking Water	5/22/2017 05:48	5/22/2017 19:00	Collected by Client
2233401007	HHS-317-BR-WC-P	Drinking Water	5/22/2017 05:51	5/22/2017 19:00	Collected by Client
2233401008	HHS-318A-CR-CF-P	Drinking Water	5/22/2017 05:53	5/22/2017 19:00	Collected by Client
2233401009	HHS-318C-MUSIC-CF-P	Drinking Water	5/22/2017 05:56	5/22/2017 19:00	Collected by Client

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**SAMPLE SUMMARY**

Workorder: 2233401 Hillsborough High School/HB-TW

**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: 2233401 Hillsborough High School/HB-TW

Lab ID: **2233401001** Date Collected: 5/22/2017 05:32 Matrix: Drinking Water  
 Sample ID: **Field Blank** Date Received: 5/22/2017 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
<b>METALS</b>										
Lead, Total	ND		ug/L	2.0	EPA 200.8	6/1/17 10:53	MO	6/1/17 14:21	MO	A1



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 Project Coordinator

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### ANALYTICAL RESULTS

Workorder: 2233401 Hillsborough High School/HB-TW

Lab ID: **2233401002** Date Collected: 5/22/2017 05:33 Matrix: Drinking Water  
 Sample ID: **HHS-102-TO-CF-P** Date Received: 5/22/2017 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
<b>METALS</b>										
Lead, Total	3.2		ug/L	2.0	EPA 200.8	6/1/17 10:53	MO	6/1/17 14:24	MO	A1



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### ANALYTICAL RESULTS

Workorder: 2233401 Hillsborough High School/HB-TW

Lab ID: **2233401003** Date Collected: 5/22/2017 05:37 Matrix: Drinking Water  
 Sample ID: **HHS-167-EC-CF-P** Date Received: 5/22/2017 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
<b>METALS</b>										
Lead, Total	3.7		ug/L	2.0	EPA 200.8	6/1/17 10:53	MO	6/1/17 14:32	MO	A1



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### ANALYTICAL RESULTS

Workorder: 2233401 Hillsborough High School/HB-TW

Lab ID: **2233401004** Date Collected: 5/22/2017 05:40 Matrix: Drinking Water  
 Sample ID: **HHS-203-ESS-CF-P** Date Received: 5/22/2017 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
<b>METALS</b>										
Lead, Total	15.0		ug/L	2.0	EPA 200.8	6/1/17 10:53	MO	6/1/17 14:35	MO	A1



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### ANALYTICAL RESULTS

Workorder: 2233401 Hillsborough High School/HB-TW

Lab ID: **2233401005** Date Collected: 5/22/2017 05:46 Matrix: Drinking Water  
 Sample ID: **HHS-315-BR-WC-P** Date Received: 5/22/2017 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
<b>METALS</b>										
Lead, Total	ND		ug/L	2.0	EPA 200.8	6/1/17 10:53	MO	6/1/17 14:37	MO	A1



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### ANALYTICAL RESULTS

Workorder: 2233401 Hillsborough High School/HB-TW

Lab ID: **2233401006** Date Collected: 5/22/2017 05:48 Matrix: Drinking Water  
 Sample ID: **HHS-315A-BR-CF-P** Date Received: 5/22/2017 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
<b>METALS</b>										
Lead, Total	ND		ug/L	2.0	EPA 200.8	6/1/17 10:53	MO	6/1/17 14:40	MO	A1



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### ANALYTICAL RESULTS

Workorder: 2233401 Hillsborough High School/HB-TW

Lab ID: **2233401007** Date Collected: 5/22/2017 05:51 Matrix: Drinking Water  
 Sample ID: **HHS-317-BR-WC-P** Date Received: 5/22/2017 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
<b>METALS</b>										
Lead, Total	ND		ug/L	2.0	EPA 200.8	6/1/17 10:53	MO	6/1/17 14:48	MO	A1



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### ANALYTICAL RESULTS

Workorder: 2233401 Hillsborough High School/HB-TW

Lab ID: **2233401008** Date Collected: 5/22/2017 05:53 Matrix: Drinking Water  
 Sample ID: **HHS-318A-CR-CF-P** Date Received: 5/22/2017 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
<b>METALS</b>										
Lead, Total	2.9		ug/L	2.0	EPA 200.8	6/1/17 10:53	MO	6/1/17 14:51	MO	A1



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### ANALYTICAL RESULTS

Workorder: 2233401 Hillsborough High School/HB-TW

Lab ID: **2233401009** Date Collected: 5/22/2017 05:56 Matrix: Drinking Water  
 Sample ID: **HHS-318C-MUSIC-CF-P** Date Received: 5/22/2017 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
<b>METALS</b>										
Lead, Total	ND		ug/L	2.0	EPA 200.8	6/1/17 10:53	MO	6/1/17 14:54	MO	A1



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

### CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS SAMPLER. INSTRUCTIONS ON THE BACK.

Client Name: PARS Environmental		Container Type: BP	* 2 2 3 3 4 0 1 *		J by Receiving Lab
Address: 500 Horizon Drive, Suite 540		Container Size: 250mL	Cooler Temp: 19		Therm ID: 291
Contact: Firoz Jan		Preservative: HNO3	No. of Coolers: Y N		Initial
Phone#: 609-890-7277		ANALYSES/METHOD REQUESTED			
Project Name#: Hillborough High School/HB-TWP-Sch.		Custody Seals Present? <input type="checkbox"/>			
Bill To: Firoz Jan, PARS Environmental		Received on Ice? <input type="checkbox"/>			
TAT <input checked="" type="checkbox"/> Normal-Standard TAT is 10-12 business days.		COC/Labels Complete/Accurate? <input type="checkbox"/>			
Date Required: <input type="checkbox"/> Rush-Subject to ALS approval and surcharges.		Cont. in Good Cond.? <input type="checkbox"/>			
Approved By: RT		Correct Containers? <input type="checkbox"/>			
Email? <input checked="" type="checkbox"/> -Y fjan@parsenviro.com, and		Correct Sample Volumes? <input type="checkbox"/>			
Fax? <input type="checkbox"/> -Y No: rtorres@parsenviro.com		Correct Preservation? <input type="checkbox"/>			
Sample Description/Location		Headspace/Volatiles? <input type="checkbox"/>			
(as it will appear on the lab report)		Sample/COC Comments			
See Attached		EPA 200.8 (Lead)			
		Enter Number of Containers Per Sample or Field Results Below.			
		Matrix: DW All			
		ALS Field Services: <input type="checkbox"/> Pickup <input type="checkbox"/> Labor			
		<input type="checkbox"/> Composite Sampling <input type="checkbox"/> Rental Equipment			
		Other:			
Project Comments:		LOGGED BY (signature):		State Samples Collected In	
REVIEWED BY (signature):		Date		USACE <input type="checkbox"/>	
Relinquished By / Company Name		Time		Navy <input type="checkbox"/>	
1 SAMPLED BY		2		X NJ <input checked="" type="checkbox"/>	
3 Firoz Jan / PARS Env. Inc.		5/24/14 9:48		PA <input type="checkbox"/>	
5 Firoz Jan / PARS Env. Inc.		5/22/14 4:12		NC <input type="checkbox"/>	
7 Firoz Jan / PARS Env. Inc.		5-07 1900		Special <input type="checkbox"/>	
9		10		Sample Disposal Lab <input type="checkbox"/>	
				Special <input type="checkbox"/>	
				Reportable to PADEP? Yes <input type="checkbox"/>	
				PWSID #	
				EDDS: Format Type	

ALS Environmental Shipping Address: 34 Dogwood Lane, Middletown, PA 17057  
 \*\*Matrix - A=Air, DW=Drinking Water, GW=Groundwater, O=Oil, OL=Other Liquid, SL=Sludge, SO=Soil, WP=Wipe, WW=Wastewater  
 \*G=Grab, C=Composite  
 Rev 10/14





Facility Name: HILLSBOROUGH HIGH School

Facility Address: 466 Raider Blvd. Hillsborough, NJ.

Date:

5/22/17

401

Sample #	Sample ID	Sample Time	Comments
	Field Blank.	5132	
1	HH5-102-TO-CF-P	5133	
2	HH5-167-EC-CF-P	5137	
3	HH5-203-ESS-CF-P	5140	
4	HH5-315-BR-WC-P	5146	
5	HH5-315A-BR-CF-P	5148	
6	HH5-317-BR-WC-P	5151	
7	HH5-318A-CR-CF-P	5153	
8	HH5-318E-MUSIC-CF-P	5156	

Signature of Sampler:  
*[Signature]*