

January 10, 2020

Mr. Andrew Adamsky
Guardian Chemical Specialties Corp.
6000 Susquehanna Plaza Drive
York, PA 17406

Certificate of Analysis

Project Name: 2019-LEAD IN DW	Workorder: 3079281
Purchase Order:	Workorder ID: Russell Byers Charter School

Dear Mr. Adamsky:

Enclosed are the analytical results for samples received by the laboratory on Wednesday, January 8, 2020.

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. Sarah S Leung (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

CC: Mr. Tanner Martz , Ms. Pam Scheihing , Customer Service

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



Ms. Sarah S Leung
Project Coordinator

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SAMPLE SUMMARY

Workorder: 3079281 Russell Byers Charter School

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
3079281001	1st Flr Kitchen	Drinking Water	1/7/2020 12:30	1/8/2020 11:02	Collected by Client
3079281002	1st Flr Water Fountain	Drinking Water	1/7/2020 12:30	1/8/2020 11:02	Collected by Client
3079281003	1st Flr Nurse's Office	Drinking Water	1/7/2020 12:30	1/8/2020 11:02	Collected by Client
3079281004	1st Flr Resource Room	Drinking Water	1/7/2020 12:30	1/8/2020 11:02	Collected by Client
3079281005	2nd Flr Water Fountain	Drinking Water	1/7/2020 12:30	1/8/2020 11:02	Collected by Client
3079281006	3rd Flr Water Fountain	Drinking Water	1/7/2020 12:30	1/8/2020 11:02	Collected by Client
3079281007	Lower Level Water Fountain	Drinking Water	1/7/2020 12:30	1/8/2020 11:02	Collected by Client

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SAMPLE SUMMARY

Workorder: 3079281 Russell Byers Charter 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.
- An Analysis-Prep Method Cross Reference Table is included after Analytical Results & Qualifiers section in this report.

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: 3079281 Russell Byers Charter School

Lab ID: 3079281001	Date Collected: 1/7/2020 12:30	Matrix: Drinking Water
Sample ID: 1st Flr Kitchen	Date Received: 1/8/2020 11:02	

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
METALS										
Lead, Total	0.0024		mg/L	0.0020	EPA 200.8	1/9/20 14:19	MO	1/9/20 16:25	MO	A



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ANALYTICAL RESULTS

Workorder: 3079281 Russell Byers Charter School

Lab ID:	3079281002	Date Collected:	1/7/2020 12:30	Matrix:	Drinking Water
Sample ID:	1st Flr Water Fountain	Date Received:	1/8/2020 11:02		

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
METALS										
Lead, Total	ND		mg/L	0.0020	EPA 200.8	1/9/20 14:19	MO	1/9/20 16:26	MO	A



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ANALYTICAL RESULTS

Workorder: 3079281 Russell Byers Charter School

Lab ID: 3079281003	Date Collected: 1/7/2020 12:30	Matrix: Drinking Water
Sample ID: 1st Flr Nurse's Office	Date Received: 1/8/2020 11:02	

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
METALS										
Lead, Total	ND		mg/L	0.0020	EPA 200.8	1/9/20 14:19	MO	1/9/20 16:23	MO	A



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ANALYTICAL RESULTS

Workorder: 3079281 Russell Byers Charter School

Lab ID: **3079281004** Date Collected: 1/7/2020 12:30 Matrix: Drinking Water
Sample ID: **1st Flr Resource Room** Date Received: 1/8/2020 11:02

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
METALS										
Lead, Total	ND		mg/L	0.0020	EPA 200.8	1/9/20 14:17	MO	1/9/20 14:47	MO	A



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ANALYTICAL RESULTS

Workorder: 3079281 Russell Byers Charter School

Lab ID: **3079281005** Date Collected: 1/7/2020 12:30 Matrix: Drinking Water
 Sample ID: **2nd Flr Water Fountain** Date Received: 1/8/2020 11:02

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
METALS										
Lead, Total	ND		mg/L	0.0020	EPA 200.8	1/9/20 14:19	MO	1/9/20 16:27	MO	A



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ANALYTICAL RESULTS

Workorder: 3079281 Russell Byers Charter School

Lab ID: **3079281006** Date Collected: 1/7/2020 12:30 Matrix: Drinking Water
 Sample ID: **3rd Flr Water Fountain** Date Received: 1/8/2020 11:02

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
METALS										
Lead, Total	ND		mg/L	0.0020	EPA 200.8	1/9/20 14:19	MO	1/9/20 16:33	MO	A



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ANALYTICAL RESULTS

Workorder: 3079281 Russell Byers Charter School

Lab ID:	3079281007	Date Collected:	1/7/2020 12:30	Matrix:	Drinking Water
Sample ID:	Lower Level Water Fountain	Date Received:	1/8/2020 11:02		

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
METALS										
Lead, Total	ND		mg/L	0.0020	EPA 200.8	1/9/20 14:19	MO	1/9/20 16:22	MO	A



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ANALYSIS - PREP METHOD CROSS REFERENCE TABLE

Workorder: 3079281 Russell Byers Charter School

Lab ID	Sample ID	Analysis Method	Prep Method
3079281001	1st Flr Kitchen	EPA 200.8	EPA ACIDT
3079281002	1st Flr Water Fountain	EPA 200.8	EPA ACIDT
3079281003	1st Flr Nurse's Office	EPA 200.8	EPA ACIDT
3079281004	1st Flr Resource Room	EPA 200.8	EPA ACIDT
3079281005	2nd Flr Water Fountain	EPA 200.8	EPA ACIDT
3079281006	3rd Flr Water Fountain	EPA 200.8	EPA ACIDT
3079281007	Lower Level Water Fountain	EPA 200.8	EPA ACIDT

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301 Fulling Mill Road
Middletown, PA 17057
P. 717-944-5541
F. 717-944-1430

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



of

Client Name: Russell Payers Charter School
 Address: 1911 Arch Street Philadelphia PA 19103
 Contact: Ty Every
 Project Name/ID: ALS 18120 ANALYSES/METHOD REQUESTED
 Bill To: ALS 18120

Container Type: P
 Container Size: 250
 Preservatives: HN103
 W.O. Temp: _____ Therm ID: _____
 Courier/Tracking #: _____
 Purchase Order #: 42749
 Project Comments: _____

TAT: Normal-Standard TAT is 10-12 business days.
 Rush-Subject to ALS approval and surcharges.
 Date Required: _____ Approved? _____
 Email? -Y
 Fax? -Y No.

Sample Description/Location (as it will appear on the lab report)	Date Collected mm/dd/yy	Time hh:mm	Matrix	Enter Number of Containers Per Sample or Field Results Below.	
				G	C
1 1st Floor Kitchen	1-7-20	12:30	DW	1	
2 1st Floor water Fountain				1	
3 1st Floor Nurse's office				1	
4 1st Floor Resource Room				1	
5 2nd Floor water Fountain				1	
6 3rd Floor water Fountain				1	
7 lower level water Fountain				1	
8			CS 11/18/20		
9					
10					

SAMPLER COMMENTS: Brian Littlewood
 Relinquished By/ Company Name: Brian Littlewood Guardian
 Date: 1-7 Time: 4:00
 Received By/ Company Name: WPS
 Date: 1-7-20 Time: 11:02
 Date: 1-8-20 Time: 11:02
 Date: _____ Time: _____
 Date: _____ Time: _____

Standard CLP-like USACE/DOD
 Deliverables Reportable to PADEP? Yes No
 PWSID # _____
 EDDS: Format Type: _____
 State Samples Collected In: NY NJ PA NC other
 Special Processing: USACE Navy
 Sample Disposal: Lab Special

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

ALS SHIPPING ADDRESS: 301 Fulling Mill Road, Middletown, PA 17057

Rev 11/18





301 Fulling Mill Road
 Middletown, PA 17057
 P: (717) 944-5541
 F: (717) 944-1430

Condition of Sample Receipt Form

Client: Russell Guardian Chemical Work Order #: 3079281 Initials: CWS Date: 1/8

1. Were airbills / tracking numbers present and recorded?.....	NONE	<input checked="" type="radio"/> YES	<input type="radio"/> NO
Tracking number: <u>12 A911 3R3 03 9224 0796</u>			
2. Are Custody Seals on shipping containers intact?.....	<input checked="" type="radio"/> NONE	<input type="radio"/> YES	<input type="radio"/> NO
3. Are Custody Seals on sample containers intact?.....	<input checked="" type="radio"/> NONE	<input type="radio"/> YES	<input type="radio"/> NO
4. Is there a COC (Chain-of-Custody) present?.....		<input checked="" type="radio"/> YES	<input type="radio"/> NO
5. Are the COC and bottle labels complete, legible and in agreement?.....		<input type="radio"/> YES	<input checked="" type="radio"/> NO
5a. Does the COC contain sample locations?.....		<input checked="" type="radio"/> YES	<input type="radio"/> NO
5b. Does the COC contain date and time of sample collection for all samples?.....		<input checked="" type="radio"/> YES	<input type="radio"/> NO
5c. Does the COC contain sample collectors name?.....		<input checked="" type="radio"/> YES	<input type="radio"/> NO
5d. Does the COC note the type(s) of preservation for all bottles?.....		<input type="radio"/> YES	<input checked="" type="radio"/> NO
5e. Does the COC note the number of bottles submitted for each sample?.....		<input type="radio"/> YES	<input checked="" type="radio"/> NO
5f. Does the COC note the type of sample, composite or grab?.....		<input type="radio"/> YES	<input checked="" type="radio"/> NO
5g. Does the COC note the matrix of the sample(s)?.....	<u>DW</u>	<input type="radio"/> YES	<input checked="" type="radio"/> NO
6. Are all aqueous samples requiring preservation preserved correctly?.....	N/A	<input checked="" type="radio"/> YES	<input type="radio"/> NO
7. Were all samples placed in the proper containers for the requested analyses, with sufficient volume?.....		<input checked="" type="radio"/> YES	<input type="radio"/> NO
8. Are all samples within holding times for the requested analyses?.....		<input checked="" type="radio"/> YES	<input type="radio"/> NO
9. Were all sample containers received intact and headspace free when required? (not broken, leaking, frozen, etc.).....		<input checked="" type="radio"/> YES	<input type="radio"/> NO
10. Did we receive trip blanks (applies only for methods EPA 504, EPA 524.2 and 1631E (LL Hg)?.....	<input checked="" type="radio"/> N/A	<input type="radio"/> YES	<input type="radio"/> NO
11. Were the samples received on ice?.....	<u>metals</u>	<input type="radio"/> YES	<input checked="" type="radio"/> NO
12. Were sample temperatures measured at 0.0-6.0°C.....	<u>↓</u>	<input type="radio"/> YES	<input checked="" type="radio"/> NO
13. Are the samples DW matrix ? If YES, fill out Reportable Drinking Water questions below.....		<input checked="" type="radio"/> YES	<input type="radio"/> NO
13a. Are the samples required for SDWA compliance reporting?.....	N/A	<input type="radio"/> YES	<input checked="" type="radio"/> NO
13b. Did the client provide a SDWA PWS ID#?.....	<input checked="" type="radio"/> N/A	<input type="radio"/> YES	<input type="radio"/> NO
13c. Are all aqueous unpreserved SDWA samples pH 5-9?.....	<input checked="" type="radio"/> N/A	<input type="radio"/> YES	<input type="radio"/> NO
13d. Did the client provide the SDWA sample location ID/Description?.....	<input checked="" type="radio"/> N/A	<input type="radio"/> YES	<input type="radio"/> NO
13e. Did the client provide the SDWA sample type (D, E, R, C, P, S)?.....	<input checked="" type="radio"/> N/A	<input type="radio"/> YES	<input type="radio"/> NO

Cooler #: _____

Temperature (°C): 8 _____

Thermometer ID: 525 _____

Radiological (µCi): _____

COMMENTS (Required for all NO responses above and any sample non-conformance):

