

MEMO

TO: Andrew Burlingame

FROM: Lora Dewey 

DATE: 12/9/19

RE: 11/15/19 Lead in Drinking Water Sampling at St. Francis

Below are the results of the follow up lead in drinking water sampling done at St. Francis School on 11/15/19. This sampling was performed to document the District's remediation efforts on the kitchen hand sink were effective (reference 10/3/19 sampling report). Follow up sample was obtained using the NYSDOH sampling guidance and analyzed by EPA 200.8, Rev., 5.4

Sample point	Results (ppb)	Notes
KitHS-1	<1	District replaced faucet



Microbac Laboratories, Inc., Sayre Division
CERTIFICATE OF ANALYSIS

S9K0309

Chenango Valley CSD

Project Name: Lead Testing

Lora Dewey
 221 Chenango Bridge Road
 Binghamton, NY 13901

Project / PO Number: N/A
 Received: 11/15/2019
 Reported: 11/29/2019

Analytical Testing Parameters

Client Sample ID: CV-SF-KHSI	Collected By: LD-Client
Sample Matrix: Drinking Water	Collection Date: 11/15/2019 5:55
Lab Sample ID: S9K0309-01	

Analyses Subcontracted to: Microbac Laboratories, Inc. - Dayville

Metals, Total - ICP/MS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.8, Rv. 5.4								
Lead	0.0017	0.015 AL	0.0010	mg/L		11/26/19 0904	11/26/19 1101	JDF

*Results in **bold** have exceeded a limit defined for this project. Limits are provided for reference but as regulatory limits change frequently, Microbac Laboratories, Inc. advises the recipient of this report to confirm such limits and units of concentration with the appropriate Federal, state or local authorities before acting on the data.*

Definitions

- AL:** US EPA Action Level
- MCL:** US EPA Maximum Contaminant Level
- mg/L:** Milligrams per Liter
- RL:** Reporting Limit

Project Requested Certification(s)

Microbac Laboratories, Inc. - Dayville
 11549

New York State Department of Health

Report Comments

Samples were received in proper condition and the reported results conform to applicable accreditation standard unless otherwise noted.

The data and information on this, and other accompanying documents, represents only the sample(s) analyzed. This report is incomplete unless all pages indicated in the footnote are present and an authorized signature is included.

Reviewed and Approved By:

Shannon Weeks
 Customer Relationship Coordinator
 Reported: 11/29/2019 15:48

Microbac Laboratories, Inc.

CHAIN OF CUSTODY

Samples must be returned on ice

MLI Workorder #

Client Information					Billing/Invoice:		Analysis Requested						Receiving Info (Lab Use Only)	
Name: <u>Chenango Valley CSD</u>					CVCSD - Sayre		EPA 200.8						Ice: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
Address: <u>40 GST BOCES</u> <u>459 Philo Rd, Elmira, NY 14903</u>					Attn: Andrew Burlingame								Cooler: <u>1/5</u> <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
Contact: <u>L. Dewey</u>													Sample Temp:	
Phone: <u>607-739-3581, X140</u>													Cooler Seal: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
Project: <u>CV-ST. Francis</u>							PL DSD HND3						Pickup: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
Quote ID:					PO#:								Dropoff: <input type="checkbox"/> C <input type="checkbox"/> W	
Rush TAT Bus. Days: <input checked="" type="checkbox"/> 2-5 <input checked="" type="checkbox"/> 5-7 <input checked="" type="checkbox"/> 7-10					Date Req.:								Accepted? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
Release to DOH: <input checked="" type="checkbox"/> Yes														
Email Results: <input checked="" type="checkbox"/> Yes <u>ldewey@gstbooces.org</u>													Container Material	
Fax Results: <input checked="" type="checkbox"/> Yes													Container Size (in MI)	
Sample Information					Matrix		Number of Containers for Analysis Requested						Preservative	
Description/Location		Date	Time	Initial	Type							Comments/Field Data		
1. <u>CV-SF-KHS1</u>		<u>11/15/19</u>	<u>5:55</u>	<u>LSD</u>	<u>PW/grab</u>									
2.														
3.														
4.														
5.														
6.														
7.														
8.														
Print Name and Company					Signature		Date/Time		Comments					
Sampled: <u>Lora Dewey</u>					<u>[Signature]</u>		<u>11/15/19 5:55</u>							
Received: <u>Kenee Lantz ml</u>					<u>[Signature]</u>		<u>11/15/19 09:14</u>							
Received:														
Received:														
Received:														

GST BOCES/Chenango Valley CSD



Microbac Laboratories (MLI) may be unable to perform a portion of the requested testing in which case we will subcontract the analysis to another accredited laboratory. By signing this document you are attesting that you have been informed by MLI of the intent to subcontract and are in agreement with this action.



MEMO

TO: Andrew Burlingame

FROM: Lora Dewey 

DATE: 11/1/19

RE: 10/3/19 Lead in Drinking Water Sampling at St. Francis

Below are the results of the lead in drinking water sampling done at St. Francis School on 10/3/19. This additional sampling was performed at the District's request due to a blood-lead level concern in one of the students. All samples were obtained using the NYSDOH sampling guidance and analyzed by EPA 200.8, Rev., 5.4

Sample point	Results (ppb)	Notes
WF-Gym-right	5	New bubbler
WF-Gym-Left	9	New bubbler
WF-B-1	1	Water fountain bottom level
KitHS-1	210	Kitchen hand sink-couldn't remove aerator-already posted at sampling as non-potable. District to remediate by replacement
KitPS-1	2	Kitchen pot sink
CafeWF	<1	Water fountain in cafeteria
WF1-1	1	First floor water fountain with reservoir
WF1-2	1	Bubbler- no reservoir
NS1-1	<1	Nurse's office sink
WF2-2	2	Water Fountain-top floor



Life Science Laboratories, Inc.
5854 Butternut Drive
East Syracuse, NY 13057
Phone: 315-445-1105 Fax: 315-445-1301

TO: GST BOCES
Laura Dewey

FROM: Life Science Laboratories, Inc.
Quality Assurance Department

RE: Revision of Report and/or Invoice
1916811

DATE: October 28, 2019

The attached report and/or invoice was revised. The reason for the change and instructions on how it was revised is as follows:

Client has requested that their sample location IDs be used on the report.

If you have any questions regarding this change, please don't hesitate to contact us at 315-445-1105.



Life Science Laboratories, Inc.

Dewey, Lora
GST BOCES
459 Philo Rd.
Elmira, NY 14903

Phone: (607) 739-3581

Revised Laboratory Analysis Report

Prepared for

GST BOCES

Client Project ID:

CVCS-D-St.Francis-Lead Study

LSL Project ID: **1916811**

Receive Date/Time: 10/03/19 9:12

Project Received by: ds02

Life Science Laboratories, Inc. warrants, to the best of its knowledge and belief, the accuracy of the analytical test results contained in this report, but makes no other warranty, expressed or implied, especially no warranties of merchantability or fitness for a particular purpose. By the Client's acceptance and/or use of this report, the Client agrees that LSL is hereby released from any and all liabilities, claims, damages or causes of action affecting or which may affect the Client as regards to the results contained in this report. The Client further agrees that the only remedy available to the Client in the event of proven non-conformity with the above warranty shall be for LSL to re-perform the analytical test(s) at no charge to the Client. The data contained in this report are for the exclusive use of the Client to whom it is addressed, and the release of these data to any other party, or the use of the name, trademark or service mark of Life Science Laboratories, Inc. especially for the use of advertising to the general public, is strictly prohibited without express prior written consent of Life Science Laboratories, Inc. This report may only be reproduced in its entirety. No partial duplication is allowed. The Chain of Custody and the Sample Receipt documents submitted with these samples are considered by LSL to be an appendix of this report and may contain data qualifiers and specific information that pertains to the samples included in this report. The analytical result(s) in this report are only representative of the sample(s) submitted for analysis. LSL makes no claim of a sample's representativeness, or integrity, if sampling was not performed by LSL personnel.

LSL Central Lab
5854 Butternut Drive
East Syracuse, NY 13057
Tel. (315) 445-1900
Fax (315) 445-1104
NYS DOH ELAP #10248

LSL North Lab
131 St. Lawrence Avenue
Waddington, NY 13694
Tel. (315) 388-4476
Fax (315) 388-4061
NYS DOH ELAP #10900

LSL Finger Lakes Lab
16 N. Main St., PO Box
424
Wayland, NY 14572
Tel. (585) 213-4090
Fax (585) 213-4192
NYS DOH ELAP

LSL Southern Tier Office
Cuba, NY
Tel. (585) 209-4032

LSL MidLakes Office
Canandaigua, NY
Tel. (585) 728-3320

This report was reviewed by:

Date:

10/28/19

David J. Prichard, Director of Tech. Services

A copy of this report was sent to:

Original Report Date: 10/17/19

Page 1 of 2

Date Printed: 10/28/19

- - REVISED LABORATORY ANALYSIS REPORT - -

GST BOCES Elmira, NY

Sample ID:	GST BOCES	LSL Sample ID:	1916811-001
Location:	Lead Study		
Sampled:	10/03/19 5:04	Sampled By:	LD
Sample Matrix:	PWS		

Analytical Method	Result	Prep Method	Prep	Analysis	Analyst
Analyte	Units		Date	Date & Time	Initials
(1) EPA 200.8, Rev. 5.4 Metals		EPA 200.2			

Please refer to the next page

MT

Please refer to the chain of custody form on the last page of this report for the detailed descriptions of where these samples were taken.



Life Science Laboratories, Inc.
 5854 Butternut Drive
 East Syracuse, NY 13057 (315) 445-1900

Analytical Results

State Certification No: 10248

CLIENT: Life Science Labs-LIMS
Project: GST BOCES
Location: CVCSD-St.Francis-Lead Study
Matrix: PWS

Client Sample ID: CV-WF-GIR

Lab ID: 1916811-001A
Collection Date: 10/03/19 5:04
Date Received: 10/03/19 9:12

Analyte	Result and Qualifiers	Units	Date Analyzed
METALS BY ICPMS		EPA 200.8,Rev.5.4	(EPA 200.2)
Lead	0.0056	mg/L	10/15/19 13:44

Qualifiers:

- * Value may exceed the Acceptable Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits



Life Science Laboratories, Inc.

5854 Butternut Drive

East Syracuse, NY 13057

(315) 445-1900

Analytical Results

State Certification No: 10248

CLIENT: Life Science Labs-LIMS
Project: GST BOCES
Location: CVCS-D-St.Francis-Lead Study
Matrix: PWS

Client Sample ID: CV-WF-GIL

Lab ID: 1916811-002A
Collection Date: 10/03/19 5:05
Date Received: 10/03/19 9:12

Analyte	Result and Qualifiers	Units	Date Analyzed
METALS BY ICPMS		EPA 200.8,Rev.5.4	(EPA 200.2)
Lead	0.0091	mg/L	10/15/19 13:48

Qualifiers:

- * Value may exceed the Acceptable Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits



Life Science Laboratories, Inc.
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Analytical Results

State Certification No: 10248

CLIENT: Life Science Labs-LIMS
Project: GST BOCES
Location: CVCSD-St.Francis-Lead Study
Matrix: PWS

Client Sample ID: CV-WFB-1
Lab ID: 1916811-003A
Collection Date: 10/03/19 5:07
Date Received: 10/03/19 9:12

Analyte	Result and Qualifiers	Units	Date Analyzed
METALS BY ICPMS		EPA 200.8, Rev. 5.4	(EPA 200.2)
Lead	0.0013	mg/L	10/15/19 13:58

- Qualifiers:**
- * Value may exceed the Acceptable Level
 - E Value exceeds the instrument calibration range
 - J Analyte detected below the PQL
 - P Prim./Conf. column %D or RPD exceeds limit
 - B Analyte detected in the associated Method Blank
 - H Holding times for preparation or analysis exceeded
 - ND Not Detected at the Practical Quantitation Limit (PQL)
 - S Spike Recovery outside accepted recovery limits



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Analytical Results

State Certification No: 10248

CLIENT: Life Science Labs-LIMS
Project: GST BOCES
Location: CVCSD-St.Francis-Lead Study
Matrix: PWS

Client Sample ID: CV-KitHS 1
Lab ID: 1916811-004A
Collection Date: 10/03/19 5:11
Date Received: 10/03/19 9:12

Analyte	Result and Qualifiers	Units	Date Analyzed
METALS BY ICPMS		EPA 200.8,Rev.5.4	(EPA 200.2)
Lead	0.21 *	mg/L	10/15/19 14:01

- Qualifiers:**
- * Value may exceed the Acceptable Level
 - E Value exceeds the instrument calibration range
 - J Analyte detected below the PQL
 - P Prim./Conf. column %D or RPD exceeds limit
 - B Analyte detected in the associated Method Blank
 - H Holding times for preparation or analysis exceeded
 - ND Not Detected at the Practical Quantitation Limit (PQL)
 - S Spike Recovery outside accepted recovery limits



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Analytical Results

State Certification No: 10248

CLIENT: Life Science Labs-LIMS
Project: GST BOCES
Location: CVCSD-St.Francis-Lead Study
Matrix: PWS

Client Sample ID: CV-KitPS1

Lab ID: 1916811-005A
Collection Date: 10/03/19 5:12
Date Received: 10/03/19 9:12

Analyte	Result and Qualifiers	Units	Date Analyzed
METALS BY ICPMS		EPA 200.8,Rev.5.4	(EPA 200.2)
Lead	0.0025	mg/L	10/15/19 14:04

Qualifiers:

- * Value may exceed the Acceptable Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits



Life Science Laboratories, Inc.
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Analytical Results

State Certification No: 10248

CLIENT: Life Science Labs-LIMS
Project: GST BOCES
Location: CVCSD-St.Francis-Lead Study
Matrix: PWS

Client Sample ID: CV-CafeWF

Lab ID: 1916811-006A
Collection Date: 10/03/19 5:10
Date Received: 10/03/19 9:12

Analyte	Result and Qualifiers	Units	Date Analyzed
METALS BY ICPMS		EPA 200.8,Rev.5.4	(EPA 200.2)
Lead	< 0.0010	mg/L	10/15/19 14:08

- Qualifiers:**
- * Value may exceed the Acceptable Level
 - E Value exceeds the instrument calibration range
 - J Analyte detected below the PQL
 - P Prim./Conf. column %D or RPD exceeds limit
 - B Analyte detected in the associated Method Blank
 - H Holding times for preparation or analysis exceeded
 - ND Not Detected at the Practical Quantitation Limit (PQL)
 - S Spike Recovery outside accepted recovery limits



Life Science Laboratories, Inc.
 5854 Butternut Drive
 East Syracuse, NY 13057 (315) 445-1900

Analytical Results

State Certification No: 10248

CLIENT: Life Science Labs-LIMS
Project: GST BOCES
Location: CVCSD-St.Francis-Lead Study
Matrix: PWS

Client Sample ID: CV-WF1-1
Lab ID: 1916811-007A
Collection Date: 10/03/19 5:16
Date Received: 10/03/19 9:12

Analyte	Result and Qualifiers	Units	Date Analyzed
METALS BY ICPMS		EPA 200.8,Rev.5.4	(EPA 200.2)
Lead	0.0013	mg/L	10/15/19 14:11

- Qualifiers:**
- * Value may exceed the Acceptable Level
 - E Value exceeds the instrument calibration range
 - J Analyte detected below the PQL
 - P Prim./Conf. column %D or RPD exceeds limit
 - B Analyte detected in the associated Method Blank
 - H Holding times for preparation or analysis exceeded
 - ND Not Detected at the Practical Quantitation Limit (PQL)
 - S Spike Recovery outside accepted recovery limits



Life Science Laboratories, Inc.
 5854 Butternut Drive
 East Syracuse , NY 13057 (315) 445-1900

Analytical Results

State Certification No: 10248

CLIENT: Life Science Labs-LIMS
Project: GST BOCES
Location: CVCSD-St.Francis-Lead Study
Matrix: PWS

Client Sample ID: CV-WF1-2

Lab ID: 1916811-008A
Collection Date: 10/03/19 5:17
Date Received: 10/03/19 9:12

Analyte	Result and Qualifiers	Units	Date Analyzed
METALS BY ICPMS		EPA 200.8,Rev.5.4	(EPA 200.2)
Lead	0.0017	mg/L	10/15/19 14:14

- Qualifiers:**
- * Value may exceed the Acceptable Level
 - E Value exceeds the instrument calibration range
 - J Analyte detected below the PQL
 - P Prim./Conf. column %D or RPD exceeds limit
 - B Analyte detected in the associated Method Blank
 - H Holding times for preparation or analysis exceeded
 - ND Not Detected at the Practical Quantitation Limit (PQL)
 - S Spike Recovery outside accepted recovery limits



Life Science Laboratories, Inc.
 5854 Butternut Drive
 East Syracuse, NY 13057 (315) 445-1900

Analytical Results

State Certification No: 10248

CLIENT: Life Science Labs-LIMS
Project: GST BOCES
Location: CVCSD-St.Francis-Lead Study
Matrix: PWS

Client Sample ID: CV-NSI-1
Lab ID: 1916811-009A
Collection Date: 10/03/19 5:15
Date Received: 10/03/19 9:12

Analyte	Result and Qualifiers	Units	Date Analyzed
METALS BY ICPMS		EPA 200.8,Rev.5.4	(EPA 200.2)
Lead	< 0.0010	mg/L	10/15/19 14:18

- Qualifiers:**
- * Value may exceed the Acceptable Level
 - E Value exceeds the instrument calibration range
 - J Analyte detected below the PQL
 - P Prim./Conf. column %D or RPD exceeds limit
 - B Analyte detected in the associated Method Blank
 - H Holding times for preparation or analysis exceeded
 - ND Not Detected at the Practical Quantitation Limit (PQL)
 - S Spike Recovery outside accepted recovery limits



Life Science Laboratories, Inc.
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Analytical Results

State Certification No: 10248

CLIENT: Life Science Labs-LIMS
Project: GST BOCES
Location: CVCSD-St.Francis-Lead Study
Matrix: PWS

Client Sample ID: CV-WF2-2

Lab ID: 1916811-010A
Collection Date: 10/03/19 5:20
Date Received: 10/03/19 9:12

Analyte	Result and Qualifiers	Units	Date Analyzed
METALS BY ICPMS		EPA 200.8,Rev.5.4	(EPA 200.2)
Lead	0.0022	mg/L	10/15/19 14:21

- Qualifiers:**
- * Value may exceed the Acceptable Level
 - E Value exceeds the instrument calibration range
 - J Analyte detected below the PQL
 - P Prim./Conf. column %D or RPD exceeds limit
 - B Analyte detected in the associated Method Blank
 - H Holding times for preparation or analysis exceeded
 - ND Not Detected at the Practical Quantitation Limit (PQL)
 - S Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.

Sample Receipt Checklist

LSL LIMS

Project ID	1916811	Client ID:	
Shipment Number	1	SRC Completed By:	jms01
		Date:	10/4/2019 10:12:51 AM
COC Date/Time	Received By	Carrier	ShippingID
10/3/2019 9:12:00 AM	ds02	Hand Delivered	
<i>Shipping container/cooler in good condition?</i>	Yes	<i>Sample containers intact?</i>	Yes
<i>Custody seal intact on shipping container/cooler?</i>	N/A	<i>Sufficient sample volume for indicated test?</i>	Yes
<i>Custody seals intact on sample bottles?</i>	N/A	<i>All samples received within holding time?</i>	Yes
<i>Chain of Custody present?</i>	Yes	<i>Container/Temp Blank temperature in compliance?</i>	Yes
<i>COC signed when relinquished and received?</i>	Yes	<i>Water - VOA vials have zero headspace?</i>	N/A
<i>COC agrees with sample labels?</i>	No	<i>Water - pH acceptable upon receipt?</i>	N/A
<i>Samples in proper containers/bottles?</i>	Yes	<i>Water - HNO3 added to unpreserved metal sample(s) to a pH of <2?</i>	Yes

Comments: Sample 007A was identified on the chain of custody as CV-WF1-1; however, the bottle label had the identification of CV-WF2-1. The sampling time on both the bottle and the chain did match up. The identification on the chain of custody was used for this sample. Sample 008A and Sample 010A both had matching identifications of CV-WF2-2 on the sample bottles, but different sampling times. The chain of custody

Corrective Action: Client has verified the identifications for the samples in question. The chain of custody has the correct identifications and times while the samples bottles were incorrectly labeled. - jms

Dr. Joseph L. Jeraci, Lead Tech. Director

Reviewed By: _____



Life Science Laboratories, Inc.

CHAIN OF CUSTODY RECORD

1916811

200

LSL Central Lab
5854 Butternut Drive
E. Syracuse, NY 13057
p) 315-445-1105
f) 315-445-1301

LSL North Lab.
131 St. Lawrence Ave.
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f) 315-388-4061

LSL Finger Lakes Lab
16 N. Main St.
Wayland, NY 14572
p) 585-213-4090
f) 585-213-4192

LSL Midlakes Office
493 S. Main St.
Canandaigua, NY 14424
p) 585-213-4090
f) 585-213-4192

LSL Southern Tier Office
24 W. Main St.
Cuba, NY 14727
p) 585-209-4032
Office # 2

Invoiced_Gov_FLL

bowenc@lsl-inc.com

Turn Around Time For Report		
Standard <input checked="" type="checkbox"/> 14 DAY	RUSH: Pre-Authorization Required	
	Next Day* <input type="checkbox"/>	3-Day* <input type="checkbox"/>
	2-Day* <input type="checkbox"/>	7-Day* <input type="checkbox"/>

*Additional charges apply to all RUSH turnaround times

Report Address:	Billing Information:
Name: Lora Dewey	Name: Andrew Burlingame
Company: GST BOCES	Company: CVCSD
Street: 459 Philo Rd.	Street: 221 Chenango Bride Rd.
City/State: Elmira NY Zip: 14903	City/State/Zip: Binghamton, NY 13901
Phone: 607-739-3581	Phone:
email: ldewey@gstboces.org	email:

Date Needed or Special Instructions:

Authorization or P.O. #

Client Project ID/Client Site ID: CVCSD - St. Francis

ALL SAMPLES MUST BE KEPT COLD AFTER SAMPLING AND DELIVERED TO THE LAB ON ICE

Client's Sample Identifications	Sample Date	Sample Time	Type grab/comp	Matrix	Preservative Added	Containers		Analyses	Preservative Check	Client LSL ID#
						#	size/type			
CV-WF-G1R	10/03/19	05:04 am	grab	PWS	HN03	1	p250ml	Pb, Cu, Zn	<2	001A
CV-WF-G1L	10/03/19	05:05am							<2	002A
CV-WFB-1	10/03/19	05:07 am							<2	003A
CV-KitHS1	10/03/19	05:11 am							<2	004A
CV-KitPS1	10/03/19	05:12 am							<2	005A
CV-CafeWF	10/03/19	05:10 am							<2	006A
CV-WF1-1	10/03/19	05:16 am							<2	007A
CV-WF1-2	10/03/19	05:17 am							<2	008A
CV-NS1-1	10/03/19	05:15 am							<2	009A
CV-WF2-2	10/03/19	05:20 am							<2	010A

Samples Preserved Upon Receipt at Lab

LSL use only: Samples Received On Ice Containers this C-O-C: 10	Custody Transfers			
	Sampled By: L. Dewey	Received By:		
	Relinquished By: <input checked="" type="checkbox"/>	Received By:		
	Relinquished By:	Received for Lab By: Jaron Shisler	10-3-19	9:12
Shipment Method:	Received Intact: Y N		Sample Temp: 19.5	

*** All areas of this Chain of Custody Record MUST be filled out in order to process samples in a timely manner IN PEN ONLY***
 Business and receiving hours vary by location. Please call local lab or 585-728-3320 for more info.

MEMO

TO: Beth Donahue
FROM: L. Dewey
DATE: 6/13/19

RE: Summary of Lead in Drinking Water Results for St. Francis with Lab Report References

As you know, changes to the drinking water regulations for lead were driven by the Flint, MI water crisis of 2014-16. At the time, EPA's Lead & Copper Rule listed the action trigger for lead as 20 ppb; NYS DOH used 20 ppb as the action trigger for lead at the time.

After the Flint water issues came to light, NYS DOH changed the lead action trigger to 15 ppb; more conservative than the Federal regulations under EPA.

At the District's request, Lead in Drinking water sampling was performed at St. Francis school in preparation for the District's use of the building during an up-coming Capital Project. A total of seven samples were taken: all water fountains, the Nurse's office sink and kitchen taps were tested using the NYS DOH test protocols. The samples were analyzed by Life Science Laboratories, Inc. (NYS DOH ELAP#11667) using EPA Method 200.8, see LSL Project ID: 1900589. None of the sample results were at the action trigger ($0 > 15$ ppb).



Life Science Laboratories, Inc.

Dewey, Lora
GST BOCES
459 Philo Rd.
Elmira, NY 14903

Phone: (607) 739-3581

Laboratory Analysis Report

Prepared For

GST BOCES

Client Project ID:

CVCS - St. Francis

LSL Project ID: **1900589**

Receive Date/Time: 01/10/19 11:10

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LSL MidLakes Office
Canandaigua, NY
Tel. (585) 728-3320

Reviewed by:

David J. Prichard, Director of Tech. Services

Date:

1/18/19

-- LABORATORY ANALYSIS REPORT --

GST BOCES Elmira, NY

Sample ID: **GST BOCES** LSL Sample ID: **1900589-001**
Location: **CVCSD - St. Francis (CV-SF-WF4)**
Sampled: **01/10/19 5:50** Sampled By: **LD**
Sample Matrix: **PWS**

Analytical Method	Prep Method	Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result Units			
(1) EPA 200.8, Rev. 5.4 Metals	EPA 200.2			
Please refer to the next page				MT



Life Science Laboratories, Inc.

5854 Butternut Drive
East Syracuse, NY 13057 (315) 445-1900

Analytical Results

State Certification No: 10248

CLIENT: Life Science Labs-LIMS
Project: GST BOCES
Location: CVCSD - St. Francis
Matrix: PWS

Client Sample ID: CVCSD - St. Francis (CV-SF-WF4)
Lab ID: 1900589-001A
Collection Date: 01/10/19 5:50
Date Received: 01/10/19 11:10

Analyte	Result and Qualifiers	Units	Date Analyzed
METALS BY ICPMS		EPA 200.8,Rev.5.4	(EPA 200.2)
Lead	0.0045	mg/L	01/17/19 12:01

- Qualifiers:**
- * Value may exceed the Acceptable Level
 - E Value exceeds the instrument calibration range
 - J Analyte detected below the PQL
 - P Prim./Conf. column %D or RPD exceeds limit
 - B Analyte detected in the associated Method Blank
 - H Holding times for preparation or analysis exceeded
 - ND Not Detected at the Practical Quantitation Limit (PQL)
 - S Spike Recovery outside accepted recovery limits

-- LABORATORY ANALYSIS REPORT --

GST BOCES Elmira, NY

Sample ID: GST BOCES LSL Sample ID: 1900589-002
Location: CVCSD - St. Francis (CV-SF-WF3)
Sampled: 01/10/19 5:53 Sampled By: LD
Sample Matrix: PWS

Analytical Method	Result	Units	Prep Method	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 200.8, Rev. 5.4 Metals Please refer to the next page			EPA 200.2			MT



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Analytical Results

State Certification No: 10248

CLIENT: Life Science Labs-LIMS
Project: GST BOCES
Location: CVCSD - St. Francis
Matrix: PWS

Client Sample ID: CVCSD - St. Francis (CV-SF-WF3)
Lab ID: 1900589-002A
Collection Date: 01/10/19 5:53
Date Received: 01/10/19 11:10

Analyte	Result and Qualifiers	Units	Date Analyzed
METALS BY ICPMS		EPA 200.8,Rev.5.4	(EPA 200.2)
Lead	0.0021	mg/L	01/11/19 16:25

- Qualifiers:**
- * Value may exceed the Acceptable Level
 - E Value exceeds the instrument calibration range
 - J Analyte detected below the PQL
 - P Prim./Conf. column %D or RPD exceeds limit
 - B Analyte detected in the associated Method Blank
 - H Holding times for preparation or analysis exceeded
 - ND Not Detected at the Practical Quantitation Limit (PQL)
 - S Spike Recovery outside accepted recovery limits

-- LABORATORY ANALYSIS REPORT --

GST BOCES Elmira, NY

Sample ID: GST BOCES LSL Sample ID: 1900589-003
Location: CVCSD - St. Francis (CV-SF-200B)
Sampled: 01/10/19 5:53 Sampled By: LD
Sample Matrix: PWS

Analytical Method	Prep Method	Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result Units			
(1) EPA 200.8, Rev. 5.4 Metals	EPA 200.2			MT
Please refer to the next page				



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Analytical Results

State Certification No: 10248

CLIENT: Life Science Labs-LIMS
Project: GST BOCES
Location: CVCSD - St. Francis
Matrix: PWS

Client Sample ID: CVCSD - St. Francis (CV-SF-200B)
Lab ID: 1900589-003A
Collection Date: 01/10/19 5:53
Date Received: 01/10/19 11:10

Analyte	Result and Qualifiers	Units	Date Analyzed
METALS BY ICPMS		EPA 200.8,Rev.5.4	(EPA 200.2)
Lead	0.0041	mg/L	01/11/19 16:29

- Qualifiers:**
- * Value may exceed the Acceptable Level
 - E Value exceeds the instrument calibration range
 - J Analyte detected below the PQL
 - P Prim./Conf. column %D or RPD exceeds limit
 - B Analyte detected in the associated Method Blank
 - H Holding times for preparation or analysis exceeded
 - ND Not Detected at the Practical Quantitation Limit (PQL)
 - S Spike Recovery outside accepted recovery limits

- - LABORATORY ANALYSIS REPORT - -

GST BOCES Elmira, NY

Sample ID: GST BOCES LSL Sample ID: 1900589-004
Location: CVCSD - St. Francis (CV-SF-WF1)
Sampled: 01/10/19 5:58 Sampled By: LD
Sample Matrix: PWS

Analytical Method	Result	Prep Method	Prep Date	Analysis Date & Time	Analyst Initials
Analyte		Units			
(1) EPA 200.8, Rev. 5.4 Metals		EPA 200.2			MT
Please refer to the next page					



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Analytical Results

State Certification No: 10248

CLIENT: Life Science Labs-LIMS
Project: GST BOCES
Location: CVCSD - St. Francis
Matrix: PWS

Client Sample ID: CVCSD - St. Francis (CV-SF-WF1)
Lab ID: 1900589-004A
Collection Date: 01/10/19 5:58
Date Received: 01/10/19 11:10

Analyte	Result and Qualifiers	Units	Date Analyzed
METALS BY ICPMS		EPA 200.8,Rev.5.4	(EPA 200.2)
Lead	0.0019	mg/L	01/11/19 16:32

- Qualifiers:**
- * Value may exceed the Acceptable Level
 - E Value exceeds the instrument calibration range
 - J Analyte detected below the PQL
 - P Prim./Conf. column %D or RPD exceeds limit
 - B Analyte detected in the associated Method Blank
 - H Holding times for preparation or analysis exceeded
 - ND Not Detected at the Practical Quantitation Limit (PQL)
 - S Spike Recovery outside accepted recovery limits

-- LABORATORY ANALYSIS REPORT --

GST BOCES Elmira, NY

Sample ID: **GST BOCES** LSL Sample ID: **1900589-005**
Location: **CVCSD - St. Francis (CV-SF-KS1)**
Sampled: **01/10/19 6:00** Sampled By: **LD**
Sample Matrix: **PWS**

Analytical Method	Prep Method	Prep	Analysis	Analyst	
Analyte	Result	Units	Date	Date & Time	Initials
(1) EPA 200.8, Rev. 5.4 Metals		EPA 200.2			
Please refer to the next page					MT



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Analytical Results

State Certification No: 10248

CLIENT: Life Science Labs-LIMS
Project: GST BOCES
Location: CVCSD - St. Francis
Matrix: PWS

Client Sample ID: *CVCSD - St. Francis (CV-SF-KSI)*
Lab ID: **1900589-005A**
Collection Date: 01/10/19 6:00
Date Received: 01/10/19 11:10

Analyte	Result and Qualifiers	Units	Date Analyzed
METALS BY ICPMS		EPA 200.8,Rev.5.4	(EPA 200.2)
Lead	0.0017	mg/L	01/11/19 16:35

- Qualifiers:
- * Value may exceed the Acceptable Level
 - E Value exceeds the instrument calibration range
 - J Analyte detected below the PQL
 - P Prim./Conf. column %D or RPD exceeds limit
 - B Analyte detected in the associated Method Blank
 - H Holding times for preparation or analysis exceeded
 - ND Not Detected at the Practical Quantitation Limit (PQL)
 - S Spike Recovery outside accepted recovery limits

-- LABORATORY ANALYSIS REPORT --

GST BOCES Elmira, NY

Sample ID: **GST BOCES** LSL Sample ID: **1900589-006**
Location: **CVCSD - St. Francis (CV-SF-KS2)**
Sampled: **01/10/19 6:00** Sampled By: **LD**
Sample Matrix: **PWS**

Analytical Method	Prep Method	Prep	Analysis	Analyst	
Analyte	Result	Units	Date	Date & Time	Initials
(1) EPA 200.8, Rev. 5.4 Metals		EPA 200.2			
Please refer to the next page					MT



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Analytical Results

State Certification No: 10248

CLIENT: Life Science Labs-LIMS
Project: GST BOCES
Location: CVCSD - St. Francis
Matrix: PWS

Client Sample ID: CVCSD - St. Francis (CV-SF-KS2)
Lab ID: 1900589-006A
Collection Date: 01/10/19 6:00
Date Received: 01/10/19 11:10

Analyte	Result and Qualifiers	Units	Date Analyzed
METALS BY ICPMS		EPA 200.8, Rev.5.4	(EPA 200.2)
Lead	0.0028	mg/L	01/11/19 16:45

- Qualifiers:**
- * Value may exceed the Acceptable Level
 - E Value exceeds the instrument calibration range
 - J Analyte detected below the PQL
 - P Prim./Conf. column %D or RPD exceeds limit
 - B Analyte detected in the associated Method Blank
 - H Holding times for preparation or analysis exceeded
 - ND Not Detected at the Practical Quantitation Limit (PQL)
 - S Spike Recovery outside accepted recovery limits

-- LABORATORY ANALYSIS REPORT --

GST BOCES Elmira, NY

Sample ID: GST BOCES LSL Sample ID: 1900589-007
Location: CVCSD - St. Francis (CV-SF-CafeWF)
Sampled: 01/10/19 6:03 Sampled By: LD
Sample Matrix: PWS

Analytical Method	Result	Units	Prep Method	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 200.8, Rev. 5.4 Metals Please refer to the next page			EPA 200.2			MT



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Analytical Results

State Certification No: 10248

CLIENT: Life Science Labs-LIMS
Project: GST BOCES
Location: CVCSD - St. Francis
Matrix: PWS

Client Sample ID: CVCSD - St. Francis (CV-SF-CafeWF)
Lab ID: 1900589-007A
Collection Date: 01/10/19 6:03
Date Received: 01/10/19 11:10

Analyte	Result and Qualifiers	Units	Date Analyzed
METALS BY ICPMS		EPA 200.8,Rev.5.4	(EPA 200.2)
Lead	< 0.0010	mg/L	01/11/19 16:49

- Qualifiers:**
- * Value may exceed the Acceptable Level
 - E Value exceeds the instrument calibration range
 - J Analyte detected below the PQL
 - P Prim./Conf. column %D or RPD exceeds limit
 - B Analyte detected in the associated Method Blank
 - H Holding times for preparation or analysis exceeded
 - ND Not Detected at the Practical Quantitation Limit (PQL)
 - S Spike Recovery outside accepted recovery limits



Life Science Laboratories, Inc.

CHAIN OF CUSTODY RECORD

1900589

Rush

Invoiced_Gov_FLL

200

LSL Central Lab
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Wayland, NY 14572
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LSL Midlakes Office
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p) 585-728-3320
f) 585-728-2711
or 585-704-6973

LSL Southern Tier Office
24 W. Main St.
Cuba, NY 14727
p) 585-209-4032
Office # 2

Report Address:
Name: ~~Tim Gilbert~~ *Lora Dewey*

Company: GST BOCES
Street: 459 Philo Rd.
City/State: Elmira NY Zip: 14903
Phone: 607-739-3581 Fax: _____
email: ~~tgilbert@gstbores.org~~ *ldewey@gstbores.org*

Client Project ID/Client Site ID
CVCSD - St. Francis

Turnaround Time
Normal 14 DAY
Pre-Authorized
Next Day* 2-Day* 3-Day* 7-Day*
*Additional Charges may apply

Date Needed or Special Instructions: *Chenango Forks Central School - John Silvenic - silvenicj@cforks.org - Chenango Falls School District*
Send bill to George Zlock @ Valley Central School District

Authorization or P.O. # _____

ALL SAMPLES MUST BE KEPT COLD AFTER SAMPLING AND DELIVERED TO THE LAB ON ICE

Client's Sample Identifications	Sample Date	Sample Time	Type	Matrix	Preserv Added	Containers		Analyses	Pres. Check	LSL ID#
			grab/comp			#	size/type			
CV-SF-WF4	1/10/19	550	Grab	PWS	HNO ₃	1	p250	Lead	✓	CG11A
CV-SF-WF3		553								CG12A
CV-SF-200B		553								CG13A
CV-SF-WF1		558								CG14A
CV-SF-KS1		6AM						Samples Preserved Upon Receipt at Lab		CG15A
CV-SF-KS2		6AM								CG16A
CV-SF-Cafe WF		603								CG17A

LSL use only:

Received On Ice Yes or No

Sample Temp: *17.2°C*

Containers this C-O-C *7*

Custody Transfers

Sampled By: *L. Dewey* Received By: *[Signature]* Date: *1/10/19*

Relinquished By: _____ Received By: _____

Relinquished By: _____ Received for Lab By: *[Signature]* Date: *1-10-19* Time: *11:10*

Shipment Method: _____ Received Intact: Y N

*** All areas of this Chain of Custody Record MUST be filled out in order to process samples in a timely manner IN PEN ONLY***

On Ice Business and receiving hours vary by location. Please call local lab or 585-728-3320 for more info.



Life Science Laboratories, Inc.

CHAIN OF CUSTODY RECORD

1900589

LSL Central Lab
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131 St. Lawrence Ave.
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p) 315-388-4476
f) 315-388-4061

LSL Finger Lakes Lab
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Wayland, NY 14572
p) 585-728-3320
f) 585-728-2711

LSL Midlakes Office
493 S. Main St.
Canandaigua, NY 14424
p) 585-728-3320
f) 585-728-2711
or 585-704-6973

LSL Southern Tier Office
24 W. Main St.
Cuba, NY 14727
p) 585-209-4032
Office # 2

Involved_Gov_FLL
200

Report Address:
Name: ~~Tim Gilbert~~ *Lora Dewey*
Company: **GST BOCES**
Street: 459 Philo Rd.
City/State: Elmira NY Zip: 14903
Phone: 607-739-3581 Fax:
email: ~~tgilbert@gstbooces.org~~ *ldewey@gstbooces.org*

Turnaround Time
Normal: 14 DAY
Pre-Authorized: Next Day* 3-Day*
2-Day* 7-Day*
*Additional Charges may apply

Date Needed or Special Instructions: ~~Chenango Forks Central~~
~~School: John Silvanic silvenicj@cforks.org~~ *Chenango Forks*
Send bill to George Zlock @ Valley Central
Authorization or P.O. # *School District*

Client Project ID/Client Site ID
CVCSD - St. Francis

ALL SAMPLES MUST BE KEPT COLD AFTER SAMPLING AND DELIVERED TO THE LAB ON ICE

Client's Sample Identifications	Sample Date	Sample Time	Type		Matrix	Preserv Added	Containers		Analyses	Pres. Check	LSL ID#
			grab/comp				#	size/type			
CV-SF-WF4	<i>1/10/19</i>	<i>550</i>	Grab		PWS	HNO ₃	1	p250	Lead	<i>2</i>	<i>CG51A</i>
<i>CV-SF-WF3</i>		<i>553</i>									<i>CG2A</i>
<i>CV-SF-200B</i>		<i>553</i>									<i>CG3A</i>
<i>CV-SF-WF1</i>		<i>558</i>									<i>CG4A</i>
<i>CV-SF-KS1</i>		<i>6AM</i>							<i>Samples Preserved Upon Receipt at Lab</i>		<i>CG5A</i>
CV-SF-KS2		<i>6AM</i>									<i>CG6A</i>
<i>CV-SF-Cafe WF</i>		<i>603</i>									<i>CG7A</i>

LSL use only:
Received On Ice Yes or No
Sample Temp: *17.2°C*
Containers this C-O-C *7*

Custody Transfers

Date	Time
<i>1/10/19</i>	
<i>1-10-19</i>	<i>11:10</i>

Received By: *[Signature]*
Received for Lab By: *[Signature]*
Received Intact: Y N

*** All areas of this Chain of Custody Record **MUST** be filled out in order to process samples in a timely manner **IN PEN ONLY*****

On Ice Business and receiving hours vary by location. Please call local lab or 585-728-3320 for more info.