



Life Science Laboratories, Inc.

Date Printed:

4/9/21

Laboratory Analysis Report Prepared For Ithaca City School District

Client Project ID: ICSD-Belle Sherman Elementary School / Lead Study

LSL Project ID: 2104358

Paul Alexander
Ithaca City School District
602 Hancock St.
Ithaca, NY 14850 USA

Phone: (607) 274-2142

Authorization: FN-00605

A copy of this report was sent to:

TST BOCES; Tompkins Co. DOH

Sample ID: 2020 Schools Lead in Drinking Water

LSL Sample ID: 2104358-001

Location:

Receive Date/Time: 03/30/21 15:42

Sampled: 03/30/21 4:23

Project Rec'd by: dcr1

Sampled By: SEE

Matrix: PW

Analytical Method	Prep Method	Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result Units			
(1) Lead Study				
Number of Samples	16			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.

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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 #11667

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

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

Reviewed by:


Kristin E. Carpenter, Quality Staff

Date:

04/15/21

Analysis performed at: (1) LSL Central Lab, (2) LSL North Lab, (3) LSL Finger Lakes Lab



Life Science Laboratories, Inc.
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Analytical Results

State Certification No: 10248

CLIENT: Life Science Labs-LIMS
Project: Ithaca City School District
Location: ICSD-Belle Sherman Elementary School / Lead Study
Matrix: PWS

Client Sample ID: BSE-004-BF
Lab ID: 2104358-001A
Collection Date: 03/30/21 4:23
Date Received: 03/30/21 15:42

Analyte	Result and Qualifiers	Units	Date Analyzed
METALS BY ICPMS		EPA 200.8,Rev.5.4	(EPA 200.2)
Lead	< 0.0010	mg/L	04/07/21 14:42

- 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: Ithaca City School District
Location: ICSD-Belle Sherman Elementary School / Lead Study
Matrix: PWS

Client Sample ID: *BSE-012-F*
Lab ID: 2104358-002A
Collection Date: 03/30/21 4:24
Date Received: 03/30/21 15:42

Analyte	Result and Qualifiers	Units	Date Analyzed
METALS BY ICPMS		EPA 200.8,Rev.5.4	(EPA 200.2)
Lead	< 0.0010	mg/L	04/07/21 14:52

- 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: Ithaca City School District
Location: ICSD-Belle Sherman Elementary School / Lead Study
Matrix: PWS

Client Sample ID: *BSE-023-F*

Lab ID: 2104358-003A
Collection Date: 03/30/21 4:25
Date Received: 03/30/21 15:42

Analyte	Result and Qualifiers	Units	Date Analyzed
METALS BY ICPMS		EPA 200.8,Rev.5.4	(EPA 200.2)
Lead	< 0.0010	mg/L	04/07/21 14:55

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: Ithaca City School District
Location: ICSD-Belle Sherman Elementary School / Lead Study
Matrix: PWS

Client Sample ID: *BSE-024-F*
Lab ID: 2104358-004A
Collection Date: 03/30/21 4:27
Date Received: 03/30/21 15:42

Analyte	Result and Qualifiers	Units	Date Analyzed
METALS BY ICPMS		EPA 200.8,Rev.5.4	(EPA 200.2)
Lead	0.0015	mg/L	04/07/21 17:09

- 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: Ithaca City School District
Location: ICSD-Belle Sherman Elementary School / Lead Study
Matrix: PWS

Client Sample ID: BSE-025-BF
Lab ID: 2104358-005A
Collection Date: 03/30/21 4:26
Date Received: 03/30/21 15:42

Analyte	Result and Qualifiers	Units	Date Analyzed
METALS BY ICPMS		EPA 200.8,Rev.5.4	(EPA 200.2)
Lead	< 0.0010	mg/L	04/07/21 14:59

- 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: Ithaca City School District
Location: ICSD-Belle Sherman Elementary School / Lead Study
Matrix: PWS

Client Sample ID: BSE-027-F

Lab ID: 2104358-006A
Collection Date: 03/30/21 4:28
Date Received: 03/30/21 15:42

Analyte	Result and Qualifiers	Units	Date Analyzed
METALS BY ICPMS		EPA 200.8, Rev.5.4	(EPA 200.2)
Lead	< 0.0010	mg/L	04/07/21 15:09

- 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: Ithaca City School District
Location: ICSD-Belle Sherman Elementary School / Lead Study
Matrix: PWS

Client Sample ID: *BSE-032-F*
Lab ID: 2104358-007A
Collection Date: 03/30/21 4:28
Date Received: 03/30/21 15:42

Analyte	Result and Qualifiers	Units	Date Analyzed
METALS BY ICPMS		EPA 200.8,Rev.5.4	(EPA 200.2)
Lead	< 0.0010	mg/L	04/07/21 15:12

- 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: Ithaca City School District
Location: ICSD-Belle Sherman Elementary School / Lead Study
Matrix: PWS

Client Sample ID: BSE-034-F

Lab ID: 2104358-008A

Collection Date: 03/30/21 4:28

Date Received: 03/30/21 15:42

Analyte	Result and Qualifiers	Units	Date Analyzed
METALS BY ICPMS		EPA 200.8,Rev.5.4	(EPA 200.2)
Lead	< 0.0010	mg/L	04/07/21 15:16

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: Ithaca City School District
Location: ICSD-Belle Sherman Elementary School / Lead Study
Matrix: PWS

Client Sample ID: BSE-036-F

Lab ID: 2104358-009A

Collection Date: 03/30/21 4:30

Date Received: 03/30/21 15:42

Analyte	Result and Qualifiers	Units	Date Analyzed
METALS BY ICPMS		EPA 200.8,Rev.5.4	(EPA 200.2)
Lead	< 0.0010	mg/L	04/07/21 15:19

- 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: Ithaca City School District
Location: ICSD-Belle Sherman Elementary School / Lead Study
Matrix: PWS

Client Sample ID: *BSE-038-F*
Lab ID: 2104358-010A
Collection Date: 03/30/21 4:30
Date Received: 03/30/21 15:42

Analyte	Result and Qualifiers	Units	Date Analyzed
METALS BY ICPMS		EPA 200.8,Rev.5.4	(EPA 200.2)
Lead	< 0.0010	mg/L	04/07/21 15:22

- 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: Ithaca City School District
Location: ICSD-Belle Sherman Elementary School / Lead Study
Matrix: PWS

Client Sample ID: *BSE-040-F*
Lab ID: 2104358-011A
Collection Date: 03/30/21 4:30
Date Received: 03/30/21 15:42

Analyte	Result and Qualifiers	Units	Date Analyzed
METALS BY ICPMS		EPA 200.8,Rev.5.4	(EPA 200.2)
Lead	< 0.0010	mg/L	04/07/21 15:26

- 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: Ithaca City School District
Location: ICSD-Belle Sherman Elementary School / Lead Study
Matrix: PWS

Client Sample ID: BSE-042-F

Lab ID: 2104358-012A
Collection Date: 03/30/21 4:32
Date Received: 03/30/21 15:42

Analyte	Result and Qualifiers	Units	Date Analyzed
METALS BY ICPMS		EPA 200.8,Rev.5.4	(EPA 200.2)
Lead	< 0.0010	mg/L	04/07/21 15:29

- 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



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Analytical Results

State Certification No: 10248

CLIENT: Life Science Labs-LIMS
Project: Ithaca City School District
Location: ICSD-Belle Sherman Elementary School / Lead Study
Matrix: PWS

Client Sample ID: BSE-045-F

Lab ID: 2104358-013A
Collection Date: 03/30/21 4:32
Date Received: 03/30/21 15:42

Analyte	Result and Qualifiers	Units	Date Analyzed
METALS BY ICPMS		EPA 200.8,Rev.5.4	(EPA 200.2)
Lead	< 0.0010	mg/L	04/07/21 15:32

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



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Analytical Results

State Certification No: 10248

CLIENT: Life Science Labs-LIMS
Project: Ithaca City School District
Location: ICSD-Belle Sherman Elementary School / Lead Study
Matrix: PWS

Client Sample ID: BSE-051-F

Lab ID: 2104358-014A
Collection Date: 03/30/21 4:35
Date Received: 03/30/21 15:42

Analyte	Result and Qualifiers	Units	Date Analyzed
METALS BY ICPMS		EPA 200.8,Rev.5.4	(EPA 200.2)
Lead	0.0020	mg/L	04/07/21 15:36

- 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: Ithaca City School District
Location: ICSD-Belle Sherman Elementary School / Lead Study
Matrix: PWS

Client Sample ID: *BSE-053-BF*
Lab ID: 2104358-015A
Collection Date: 03/30/21 4:35
Date Received: 03/30/21 15:42

Analyte	Result and Qualifiers	Units	Date Analyzed
METALS BY ICPMS		EPA 200.8,Rev.5.4	(EPA 200.2)
Lead	< 0.0010	mg/L	04/07/21 15:39

- 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: Ithaca City School District
Location: ICSD-Belle Sherman Elementary School / Lead Study
Matrix: PWS

Client Sample ID: *BSE-055-F*
Lab ID: 2104358-016A
Collection Date: 03/30/21 4:35
Date Received: 03/30/21 15:42

Analyte	Result and Qualifiers	Units	Date Analyzed
METALS BY ICPMS		EPA 200.8,Rev.5.4	(EPA 200.2)
Lead	< 0.0010	mg/L	04/07/21 15:49

- 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



Chain of Custody Record

2104358

IthacaCitySchools

2923

Contact Person: Paul Alexander

LSL Project #:

Client's Site I.D.:

ICSD - Belle Sherman Elementary School

Authorization:

LSL Sample Number	Client's Sample Identifications	Sample Date	Sample Time	Type		Matrix	Preserv. Added	Containers # size/type	Analyses	Free Cl (mg/L)	Pres. Check
				grab	comp.						
001A	BSE-004-BF	3/30/2021	4:23 AM	✓		DW	NONE	1 250 mL	Lead by EPA 200.8		
002	BSE-012-F	3/30/2021	4:24 AM	✓		DW	NONE	1 250 mL	Lead by EPA 200.8		
003	BSE-023-F	3/30/2021	4:25 AM	✓		DW	NONE	1 250 mL	Lead by EPA 200.8		
004	BSE-024-F	3/30/2021	4:27 AM	✓		DW	NONE	1 250 mL	Lead by EPA 200.8		
005	BSE-025-BF	3/30/2021	4:26 AM	✓		DW	NONE	1 250 mL	Lead by EPA 200.8		
006	BSE-027-F	3/30/2021	4:28 AM	✓		DW	NONE	1 250 mL	Lead by EPA 200.8		
007	BSE-032-F	3/30/2021	4:28 AM	✓		DW	NONE	1 250 mL	Lead by EPA 200.8		
008	BSE-034-F	3/30/2021	4:28 AM	✓		DW	NONE	1 250 mL	Lead by EPA 200.8		
009	BSE-036-F	3/30/2021	4:30 AM	✓		DW	NONE	1 250 mL	Lead by EPA 200.8		
010	BSE-038-F	3/30/2021	4:30 AM	✓		DW	NONE	1 250 mL	Lead by EPA 200.8		
011	BSE-040-F	3/30/2021	4:30 AM	✓		DW	NONE	1 250 mL	Lead by EPA 200.8		
012	BSE-042-F	3/30/2021	4:32 AM	✓		DW	NONE	1 250 mL	Lead by EPA 200.8		
013	BSE-045-F	3/30/2021	4:32 AM	✓		DW	NONE	1 250 mL	Lead by EPA 200.8		
014	BSE-051-F	3/30/2021	4:35 AM	✓		DW	NONE	1 250 mL	Lead by EPA 200.8		

2020 Schools Lead in Drinking Water

SAMPLES MUST BE RECEIVED ON ICE

Please Fill Out Completely

SAMPLES MUST BE RECEIVED ON ICE

Notes and Hazard identifications:

Custody Transfers

Results to: jdrew@tstbooces.org

Print Name: Stephanie Egan-Engels

Signature: *Stephanie Egan-Engels*

Date: 3/30/2021

Time: 10:35 AM

segan@tstbooces.org

Received By: *Paul Alexander*

Date: 3/30/2021

malo@tstbooces.org

Received By: *Paul Alexander*

Date: 3/30/2021

mmiroi@tstbooces.org

Received By: *Paul Alexander*

Date: 3/30/2021

Shipment Method: Y N

Samples Received Intact: Y N

1
Samples received upon receipt of Lab Report

