



Microbac Laboratories, Inc., New York Division
CERTIFICATE OF ANALYSIS

J111378

Ithaca City School District

Project Name: Caroline & Enfield

Paul Alexander
 602 Hancock Street
 Ithaca, NY 14850

Project / PO Number: N/A
 Received: 09/23/2021
 Reported: 10/18/2021

Analytical Testing Parameters

Client Sample ID: ENF.A14		Collected By: Client
Sample Matrix: Drinking Water		Collection Date: 09/23/2021 4:46
Lab Sample ID: J111378-01		

Analyses Performed by: Microbac Laboratories, Inc. - Dayville

Metals Total by ICPMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.8, Rv. 5.4 (1994)								
Copper	0.145	1.30 AL	0.0010	mg/L		10/01/21 1443	10/04/21 1253	LLW
Lead	0.0935	0.0150 AL	0.0010	mg/L		10/01/21 1443	10/01/21 1509	JDF

Client Sample ID: ENF.A11		Collected By: Client
Sample Matrix: Drinking Water		Collection Date: 09/23/2021 4:43
Lab Sample ID: J111378-02		

Analyses Performed by: Microbac Laboratories, Inc. - Dayville

Metals Total by ICPMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.8, Rv. 5.4 (1994)								
Copper	0.120	1.30 AL	0.0010	mg/L		10/01/21 1443	10/01/21 1514	JDF
Lead	0.0048	0.0150 AL	0.0010	mg/L		10/01/21 1443	10/01/21 1514	JDF

Client Sample ID: ENF.A17		Collected By: Client
Sample Matrix: Drinking Water		Collection Date: 09/23/2021 4:47
Lab Sample ID: J111378-03		

Analyses Performed by: Microbac Laboratories, Inc. - Dayville

Metals Total by ICPMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.8, Rv. 5.4 (1994)								
Copper	0.148	1.30 AL	0.0010	mg/L		10/01/21 1443	10/01/21 1516	JDF
Lead	0.0041	0.0150 AL	0.0010	mg/L		10/01/21 1443	10/01/21 1516	JDF



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Client Sample ID: ENF. 29	Collected By: Client
Sample Matrix: Drinking Water	Collection Date: 09/23/2021 4:29
Lab Sample ID: J111378-04	

Analyses Performed by: Microbac Laboratories, Inc. - Dayville

Metals Total by ICPMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.8, Rv. 5.4 (1994)								
Copper	0.149	1.30 AL	0.0010	mg/L		10/01/21 1443	10/01/21 1518	JDF
Lead	0.0049	0.0150 AL	0.0010	mg/L		10/01/21 1443	10/01/21 1518	JDF

Client Sample ID: ENF. B9	Collected By: Client
Sample Matrix: Drinking Water	Collection Date: 09/23/2021 4:32
Lab Sample ID: J111378-05	

Analyses Performed by: Microbac Laboratories, Inc. - Dayville

Metals Total by ICPMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.8, Rv. 5.4 (1994)								
Copper	0.130	1.30 AL	0.0010	mg/L		10/01/21 1443	10/01/21 1520	JDF
Lead	<0.0010	0.0150 AL	0.0010	mg/L		10/01/21 1443	10/01/21 1520	JDF

Client Sample ID: ENF. A13	Collected By: Client
Sample Matrix: Drinking Water	Collection Date: 09/23/2021 4:44
Lab Sample ID: J111378-06	

Analyses Performed by: Microbac Laboratories, Inc. - Dayville

Metals Total by ICPMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.8, Rv. 5.4 (1994)								
Copper	0.113	1.30 AL	0.0010	mg/L		10/01/21 1443	10/01/21 1522	JDF
Lead	0.0028	0.0150 AL	0.0010	mg/L		10/01/21 1443	10/01/21 1522	JDF

Client Sample ID: ENF. A6	Collected By: Client
Sample Matrix: Drinking Water	Collection Date: 09/23/2021 4:40
Lab Sample ID: J111378-07	

Analyses Performed by: Microbac Laboratories, Inc. - Dayville

Metals Total by ICPMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.8, Rv. 5.4 (1994)								
Copper	0.120	1.30 AL	0.0010	mg/L		10/01/21 1443	10/01/21 1527	JDF
Lead	0.0086	0.0150 AL	0.0010	mg/L		10/01/21 1443	10/01/21 1527	JDF



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Client Sample ID: ENF. 8	Collected By: Client
Sample Matrix: Drinking Water	Collection Date: 09/23/2021 4:36
Lab Sample ID: J111378-08	

Analyses Performed by: Microbac Laboratories, Inc. - Dayville

Metals Total by ICPMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.8, Rv. 5.4 (1994)								
Copper	0.125	1.30 AL	0.0010	mg/L		10/01/21 1443	10/01/21 1529	JDF
Lead	0.0025	0.0150 AL	0.0010	mg/L		10/01/21 1443	10/01/21 1529	JDF

Client Sample ID: ENF. 34	Collected By: Client
Sample Matrix: Drinking Water	Collection Date: 09/23/2021 4:26
Lab Sample ID: J111378-09	

Analyses Performed by: Microbac Laboratories, Inc. - Dayville

Metals Total by ICPMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.8, Rv. 5.4 (1994)								
Copper	0.111	1.30 AL	0.0010	mg/L		10/01/21 1443	10/01/21 1531	JDF
Lead	0.0082	0.0150 AL	0.0010	mg/L		10/01/21 1443	10/01/21 1531	JDF

Client Sample ID: ENF. B4	Collected By: Client
Sample Matrix: Drinking Water	Collection Date: 09/23/2021 4:30
Lab Sample ID: J111378-10	

Analyses Performed by: Microbac Laboratories, Inc. - Dayville

Metals Total by ICPMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.8, Rv. 5.4 (1994)								
Copper	0.127	1.30 AL	0.0010	mg/L		10/01/21 1443	10/01/21 1533	JDF
Lead	<0.0010	0.0150 AL	0.0010	mg/L		10/01/21 1443	10/01/21 1533	JDF

Client Sample ID: CAR. 12	Collected By: Client
Sample Matrix: Drinking Water	Collection Date: 09/23/2021 5:19
Lab Sample ID: J111378-11	

Analyses Performed by: Microbac Laboratories, Inc. - Dayville

Metals Total by ICPMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.8, Rv. 5.4 (1994)								
Copper	0.0687	1.30 AL	0.0010	mg/L		10/01/21 1443	10/01/21 1535	JDF
Lead	0.0055	0.0150 AL	0.0010	mg/L		10/01/21 1443	10/01/21 1535	JDF



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Client Sample ID: CAR. 27	Collected By: Client
Sample Matrix: Drinking Water	Collection Date: 09/23/2021 5:22
Lab Sample ID: J111378-12	

Analyses Performed by: Microbac Laboratories, Inc. - Dayville

Metals Total by ICPMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.8, Rv. 5.4 (1994)								
Copper	0.0879	1.30 AL	0.0010	mg/L		10/01/21 1443	10/01/21 1539	JDF
Lead	0.0042	0.0150 AL	0.0010	mg/L		10/01/21 1443	10/01/21 1539	JDF

Client Sample ID: CAR. 83 CENTER	Collected By: Client
Sample Matrix: Drinking Water	Collection Date: 09/23/2021 5:15
Lab Sample ID: J111378-13	

Analyses Performed by: Microbac Laboratories, Inc. - Dayville

Metals Total by ICPMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.8, Rv. 5.4 (1994)								
Copper	0.105	1.30 AL	0.0010	mg/L		10/01/21 1443	10/01/21 1540	JDF
Lead	0.0021	0.0150 AL	0.0010	mg/L		10/01/21 1443	10/01/21 1540	JDF

Client Sample ID: CAR. A19	Collected By: Client
Sample Matrix: Drinking Water	Collection Date: 09/23/2021 5:26
Lab Sample ID: J111378-14	

Analyses Performed by: Microbac Laboratories, Inc. - Dayville

Metals Total by ICPMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.8, Rv. 5.4 (1994)								
Copper	0.0696	1.30 AL	0.0010	mg/L		10/01/21 1443	10/01/21 1542	JDF
Lead	<0.0010	0.0150 AL	0.0010	mg/L		10/01/21 1443	10/01/21 1542	JDF

Client Sample ID: CAR. A41	Collected By: Client
Sample Matrix: Drinking Water	Collection Date: 09/23/2021 5:28
Lab Sample ID: J111378-15	

Analyses Performed by: Microbac Laboratories, Inc. - Dayville

Metals Total by ICPMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.8, Rv. 5.4 (1994)								
Copper	0.0916	1.30 AL	0.0010	mg/L		10/01/21 1443	10/01/21 1544	JDF
Lead	<0.0010	0.0150 AL	0.0010	mg/L		10/01/21 1443	10/01/21 1544	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.



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Definitions

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

Project Requested Certification(s)

Microbac Laboratories, Inc. - Dayville 11549	New York State Department of Health
Microbac Laboratories, Inc., New York Division NY Lab ID No.: 10795	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. **The services were provided under and subject to Microbac's standard terms and conditions which can be located and reviewed at <<https://www.microbac.com/standard-terms-conditions>>.***

Reviewed and Approved By:

Jennifer Walker
Operations Manager
Reported: 10/18/2021 18:20

Microbac Laboratories, Inc.

3821 Buck Dr. | Cortland, NY 13045 | 607-753-3403 p | www.microbac.com



3821 Buck Drive
Cortland, NY 13045
607.753.3403

2369 Elmira Street, Suite C
Sayre, PA 18940
570.888.0169

1620 North Main Avenue
Scranton, PA 18508
570.348.0775

4359 Linglestown Road
Harrisburg, PA 17112
717.651.9700

CHAIN OF CUSTODY RECORD
Number

Instructions on back

Lab Report Address

Client Name: ITHACA CITY SCHOOLS
Address: 602 HANCOCK ST.
City, State, Zip: ITHACA, NY 14850
Contact: CARL SLACK
Telephone No.: 607-423-3597

Invoice Address

Client Name:
Address:
City, State, Zip:
Contact:
Telephone No.:

Turnaround Time

Routine (5 to 7 business days)
 RUSH* (notify lab)

TO BE COMPLETED BY MICROBAC
Temperature Upon Receipt (°C)
Therm ID *17.0*
Holding Time

Samples Received or Iced? Yes No N/A
Custody Seals Intact? Yes No N/A

Report Type
 Results Only Level 1 Level 2 Level 3 Level 4 JEDD

Send Report via: Mail Fax e-mail (address) palexand@icsd.k12.ny.us Send Invoice via: Mail Fax e-mail (address)

Project: *Caroline + Eufield* PO No. *PA22-00203* Compliance Monitoring? Yes No
() Agency/Program

Sampled by (PRINT): Signature: Sampler Signature: No.:
Sampler Phone No.:

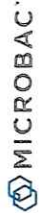
* Matrix Types: Soil/Solid (S), Sludge, Oil, Wipe, Drinking Water (DW), Groundwater (GW), Surface Water (SW), Waste Water (WW), Other (specify)
** Preservative Types: (1) HNO3, (2) H2SO4, (3) HCl, (4) NaOH, (5) Zinc Acetate, (6) Methanol, (7) Sodium Bisulfate, (8) Sodium Thiosulfate, (9) Hexane, (U) Unpreserved

REQUESTED ANALYSIS

Lab ID	Client Sample ID	Date Collected	Time Collected	No. of Containers	Matrix DW	Grb / Comp	Preservative Types **	LEAD
ENF A14		9/23/21	4:46	1	DW			
ENF A11			4:43					
ENF A17			4:47					
ENF 29			4:29 AM					
ENF B9			4:32					
ENF A13			4:44					
ENF A6			4:40					
ENF 8			4:36					
ENF 34			4:26 AM					
ENF B4			4:30 AM					



Possible Hazard Identification	Sample Disposition	Received By (signature)	Date/Time
<input type="checkbox"/> Hazardous	<input type="checkbox"/> Dispose as appropriate		
<input type="checkbox"/> Non-Hazardous	<input type="checkbox"/> Return		
<input type="checkbox"/> Radiobactive	<input type="checkbox"/> Archive		
Relinquished By (signature)	Received By (signature)		Date/Time
Relinquished By (signature)	Received By (signature)		Date/Time
Relinquished By (signature)	Received By (signature)		Date/Time



3821 Buck Drive
Cortland, NY 13045
607.753.3403

2369 Elmira Street, Suite C
Sayre, PA 18840
570.888.0169

1620 North Main Avenue
Scranton, PA 18508
570.348.0775

4359 Linglestown Road
Harrisburg, PA 17112
717.651.9700

CHAIN OF CUSTODY RECORD

Number

Instructions on back

Lab Report Address

Client Name: ITHACA CITY SCHOOLS
Address: 602 HANCOCK ST.
City, State, Zip: ITHACA, NY 14850
Contact: CARL SLACK
Telephone No.: 607-423-3597

Invoice Address

Client Name:
Address:
City, State, Zip:
Contact:
Telephone No.:

Turnaround Time

Routine (5 to 7 business days)
 RUSH* (notify lab)

TO BE COMPLETED BY MICROBAC

Temperature Upon Receipt (°C)
Therm ID
Holding Time
Samples Received on Left Yes No N/A
Custody Seals Intact? Yes No N/A

Send Report via: Mail Fax e-mail (address)

Send Invoice via: palexand@icsd.k12.ny.us

Report Type
 Results Only Level 1 Level 2 Level 3 Level 4 TEDD

Project: Caroline & Enfield

Location:

Compliance Monitoring? Yes No
() Agency/Program

Sampled by (PRINT):

Sampler Signature:
Sampler Phone No.:

* Matrix Types: Soil/Solid (S), Sludge, Oil, Wipe, Drinking Water (DW), Groundwater (GW), Surface Water (SW), Waste Water (WW), Other (specify)
** Preservative Types: (1) HNO3, (2) H2SO4, (3) HCl, (4) NaOH, (5) Zinc Acetate, (6) Methanol, (7) Sodium Bisulfate, (8) Sodium Thiosulfate, (9) Hexane, (U) Unpreserved

REQUESTED ANALYSIS

Lab ID	Client Sample ID	Date Collected	Time Collected	No. of Containers	Matrix DW	Grab / Comp	Preservative Types **	LEAD
Car	12	9/23/21	5:19 AM	1	DW			
Car	27		5:22 AM					
Car	83 CENTER		5:15 AM					
Car	A19		5:26 AM					
Car	A41		5:28 AM					

Copper



ITHACA CITY SCHOOL DISTRICT
PM: Shannon Weeks

Possible Hazard Identification
Comments

Hazardous Non-Hazardous Radioactive

Sample Disposition Dispose as appropriate Return Archive

Relinquished By (signature)
Carl Slack 9/23/21
Date/Time

Received By (signature)
Shannon Weeks
Date/Time

Relinquished By (signature)
Shannon Weeks
Date/Time