



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J8F1544

Ithaca City School District

Project Name: Drinking Water

Paul Alexander
602 Hancock Street
Ithaca, NY 14850

Project / PO Number: N/A
Received: 06/22/2018 08:25
Reported: 07/05/2018 17:03

Analytical Testing Parameters

Client Sample ID: C. Rm. 27
Lab Sample ID: J8F1544-01
Sample Type: Grab

Collected By: DAW-Client
Collection Date: 06/22/18
Collection Time: 04:57

Lead and/or Copper, Total - ICP/MS	Result	AL	PQL	Units	Note	Prepared	Analyzed	Lab
Method: EPA 200.8, Rv 5.4								
Copper	0.0715	1.30	0.00200	mg/L		06/28/18 1114	07/03/18 1518	NY
Lead	0.00101	0.0150	0.000500	mg/L		06/28/18 1114	06/29/18 1850	NY

Analytical Testing Parameters

Client Sample ID: C. Rm. 12 Library Sink
Lab Sample ID: J8F1544-02
Sample Type: Grab

Collected By: DAW-Client
Collection Date: 06/22/18
Collection Time: 05:00

Lead and/or Copper, Total - ICP/MS	Result	AL	PQL	Units	Note	Prepared	Analyzed	Lab
Method: EPA 200.8, Rv 5.4								
Copper	0.0558	1.30	0.00200	mg/L		06/27/18 1715	06/27/18 1942	NY
Lead	0.00200	0.0150	0.000500	mg/L		06/27/18 1715	06/27/18 1942	NY

Analytical Testing Parameters

Client Sample ID: C. Rm. 83 Center Sink
Lab Sample ID: J8F1544-03
Sample Type: Grab

Collected By: DAW-Client
Collection Date: 06/22/18
Collection Time: 05:02

Lead and/or Copper, Total - ICP/MS	Result	AL	PQL	Units	Note	Prepared	Analyzed	Lab
Method: EPA 200.8, Rv 5.4								
Copper	0.0440	1.30	0.00200	mg/L		06/28/18 1114	07/03/18 1519	NY
Lead	0.00186	0.0150	0.000500	mg/L		06/28/18 1114	06/29/18 1851	NY



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Analytical Testing Parameters

Client Sample ID: C. Rm. A41
Lab Sample ID: J8F1544-04
Sample Type: Grab

Collected By: DAW-Client
Collection Date: 06/22/18
Collection Time: 05:08

Table with 9 columns: Lead and/or Copper, Total - ICP/MS, Result, AL, PQL, Units, Note, Prepared, Analyzed, Lab. Includes data for Copper (0.0727 mg/L) and Lead (<0.000500 mg/L).

Analytical Testing Parameters

Client Sample ID: C. Rm. A19
Lab Sample ID: J8F1544-05
Sample Type: Grab

Collected By: DAW-Client
Collection Date: 06/22/18
Collection Time: 05:05

Table with 9 columns: Lead and/or Copper, Total - ICP/MS, Result, AL, PQL, Units, Note, Prepared, Analyzed, Lab. Includes data for Copper (0.0571 mg/L) and Lead (<0.000500 mg/L).

Analytical Testing Parameters

Client Sample ID: E.Rm. B9
Lab Sample ID: J8F1544-06
Sample Type: Grab

Collected By: DAW-Client
Collection Date: 06/22/18
Collection Time: 05:40

Table with 9 columns: Lead and/or Copper, Total - ICP/MS, Result, AL, PQL, Units, Note, Prepared, Analyzed, Lab. Includes data for Copper (0.144 mg/L) and Lead (0.000503 mg/L).

Analytical Testing Parameters

Client Sample ID: E.Rm. 29
Lab Sample ID: J8F1544-07
Sample Type: Grab

Collected By: DAW-Client
Collection Date: 06/22/18
Collection Time: 05:43

Table with 9 columns: Lead and/or Copper, Total - ICP/MS, Result, AL, PQL, Units, Note, Prepared, Analyzed, Lab. Includes data for Copper (0.164 mg/L) and Lead (0.00225 mg/L).



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Analytical Testing Parameters

Client Sample ID: E.Rm. A17
Lab Sample ID: J8F1544-08
Sample Type: Grab

Collected By: DAW-Client
Collection Date: 06/22/18
Collection Time: 05:50

Table with 9 columns: Lead and/or Copper, Total - ICP/MS, Result, AL, PQL, Units, Note, Prepared, Analyzed, Lab. Includes data for Copper (0.136) and Lead (0.000933).

Analytical Testing Parameters

Client Sample ID: E.Rm. A11
Lab Sample ID: J8F1544-09
Sample Type: Grab

Collected By: DAW-Client
Collection Date: 06/22/18
Collection Time: 05:46

Table with 9 columns: Lead and/or Copper, Total - ICP/MS, Result, AL, PQL, Units, Note, Prepared, Analyzed, Lab. Includes data for Copper (0.130) and Lead (0.00213).

Analytical Testing Parameters

Client Sample ID: E.Rm. A13
Lab Sample ID: J8F1544-10
Sample Type: Grab

Collected By: DAW-Client
Collection Date: 06/22/18
Collection Time: 05:48

Table with 9 columns: Lead and/or Copper, Total - ICP/MS, Result, AL, PQL, Units, Note, Prepared, Analyzed, Lab. Includes data for Copper (0.126) and Lead (0.00324).

Laboratory

NY: Microbac Laboratories, Inc., New York Division

Definitions

- AL: US EPA Action Level
RL: Reporting Limit
SMCL: US EPA Secondary Maximum Contaminant Level
G: Result fails applicable NYS drinking water standards

Cooler Receipt Log

Cooler ID: Default Cooler Temp: 16.7°C



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Cooler Inspection Checklist

Custody Seals Intact and/or No Evidence of Tampering	Yes	Containers Intact	Yes
COC/Labels Agree	Yes	Preservation Correct (or not required)	Yes
Received on Ice (or not required)	Yes		

Project Requested Certification(s)

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.

Reviewed and Approved By:

Renee Lantz For Brenna Murray
Project Manager
07/05/2018 17:03

Go Green: Contact Brenna Murray to set up email reporting and invoicing options.

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. For any feedback concerning our services, please contact Brenna Murray, Project Manager at brenna.murray@microbac.com. You may also contact Christine Pechacek, Laboratory Director at christine.pechacek@microbac.com or Robert Crookston, President at robert.crookston@microbac.com.



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607.753.3403

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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:

Invoice Address
Client Name: Ithaca City Schools

Address:

Address: 602 Hancock St

City, State, Zip:

City, State, Zip: Ithaca NY 14850

Contact:

Contact: Carl Slack

Telephone No.:

Telephone No: (607) 423-3597

Send Report via:

Mail Fax e-mail (address) fax

Project:

Enfield Caroline

Location:

Palexand @ TCSD, K12, N. Middleburg

Sampled by (PRINT):

Sampler Signature:

Sampler Phone No.:

PO No.: FV18-0093 Compliance Monitoring? Yes No
 Agency/Program

* 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) Hexane, (U) Unpreserved

Lab ID	Client Sample ID	Date Collected	Time Collected	No. of Containers	Matrix	Grab / Comp	Preservative Types**
	<u>CRM 27</u>	<u>6/22/18</u>	<u>4:57 AM</u>	<u>1</u>	<u>DW</u>		
	<u>CRM 12 Lib Sink</u>		<u>5:01 AM</u>				
	<u>CRM 83 Center Sink</u>		<u>5:02 AM</u>				
	<u>CRM A41</u>		<u>5:08 AM</u>				
	<u>CRM A19</u>		<u>5:05 AM</u>				
	<u>ERM B9</u>		<u>5:40 AM</u>				
	<u>ERM 29</u>		<u>5:43 AM</u>				
	<u>ERM A17</u>		<u>5:50 AM</u>				
	<u>ERM A11</u>		<u>5:46 AM</u>				
	<u>ERM A13</u>		<u>5:48 AM</u>				

Requested Analysis

Lead & Copper



J 8 F 1 5 4 4
ITHACA CITY SCHOOL DISTRICT

Possible Hazard Identification

Hazardous Non-Hazardous Radioactive

Sample Disposition Dispose as appropriate Return Archive

Comments

Relinquished By (signature) Carl Slack
Relinquished By (signature)

Date/Time 6/22/18
Date/Time

Received By (signature) Dorethy Mes Mall
Received By (signature)

Date/Time 6-22-18 8:25am
Date/Time