MICROBAC

Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J0K1312

Jefferson-Lewis-Hamilton-Herkimer-Oneida BOCES

Fred Hauck
20104 NYS Route 3
Watertown, NY 13601

Project Name: Long Lake

Project / PO Number: N/A
Received: 11/06/2020
Reported: 12/07/2020

Analytical Testing Parameters

Client Sample ID: 5
Sample Matrix: Drinking Water
Lab Sample ID: J0K1312-01
Collected By: RF - Client
Collection Date: 11/04/2020 6:43

Analyses Subcontracted to: 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)								
Lead	**0.0178**	0.015 AL	0.0010	mg/L		11/30/20 1531	11/30/20 2003	LLW

Client Sample ID: 36
Sample Matrix: Drinking Water
Lab Sample ID: J0K1312-02
Collected By: RF - Client
Collection Date: 11/04/2020 6:50

Analyses Subcontracted to: 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)								
Lead	0.0084	0.015 AL	0.0010	mg/L		11/30/20 1531	11/30/20 2008	LLW

Client Sample ID: 3
Sample Matrix: Drinking Water
Lab Sample ID: J0K1312-03
Collected By: RF - Client
Collection Date: 11/04/2020 6:31

Analyses Subcontracted to: 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)								
Lead	0.0028	0.015 AL	0.0010	mg/L		11/30/20 1531	11/30/20 2010	LLW

Client Sample ID: 50
Sample Matrix: Drinking Water
Lab Sample ID: J0K1312-04
Collected By: RF - Client
Collection Date: 11/04/2020 6:35

Analyses Subcontracted to: 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)								
Lead	**0.0170**	0.015 AL	0.0010	mg/L		11/30/20 1531	11/30/20 2012	LLW

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J0K1312

Client Sample ID:	1		
Sample Matrix:	Drinking Water	**Collected By:**	RF - Client
Lab Sample ID:	J0K1312-05	**Collection Date:**	11/04/2020 6:30

Analyses Subcontracted to: 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)								
Lead	**0.0170**	0.015 AL	0.0010	mg/L		11/30/20 1531	11/30/20 2014	LLW

Client Sample ID:	2		
Sample Matrix:	Drinking Water	**Collected By:**	RF - Client
Lab Sample ID:	J0K1312-06	**Collection Date:**	11/04/2020 6:30

Analyses Subcontracted to: 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)								
Lead	**0.0156**	0.015 AL	0.0010	mg/L		11/30/20 1531	11/30/20 2022	LLW

Client Sample ID:	8		
Sample Matrix:	Drinking Water	**Collected By:**	RF - Client
Lab Sample ID:	J0K1312-07	**Collection Date:**	11/04/2020 6:45

Analyses Subcontracted to: 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)								
Lead	**0.0261**	0.015 AL	0.0010	mg/L		11/30/20 1531	11/30/20 2024	LLW

Client Sample ID:	4		
Sample Matrix:	Drinking Water	**Collected By:**	RF - Client
Lab Sample ID:	J0K1312-08	**Collection Date:**	11/04/2020 6:43

Analyses Subcontracted to: 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)								
Lead	**0.0152**	0.015 AL	0.0010	mg/L		11/30/20 1531	11/30/20 2026	LLW

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Client Sample ID:	13		
Sample Matrix:	Drinking Water	**Collected By:**	RF - Client
Lab Sample ID:	J0K1312-09	**Collection Date:**	11/04/2020 6:50

Analyses Subcontracted to: 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)								
Lead	**0.0974**	0.015 AL	0.0010	mg/L		11/30/20 1531	11/30/20 2028	LLW

Client Sample ID:	9		
Sample Matrix:	Drinking Water	**Collected By:**	RF - Client
Lab Sample ID:	J0K1312-10	**Collection Date:**	11/04/2020 6:46

Analyses Subcontracted to: 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)								
Lead	**0.173**	0.015 AL	0.0010	mg/L		11/30/20 1531	11/30/20 2030	LLW

Client Sample ID:	34		
Sample Matrix:	Drinking Water	**Collected By:**	RF - Client
Lab Sample ID:	J0K1312-11	**Collection Date:**	11/04/2020 6:31

Analyses Subcontracted to: 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)								
Lead	0.0068	0.015 AL	0.0010	mg/L		11/30/20 1531	11/30/20 2032	LLW

Client Sample ID:	24		
Sample Matrix:	Drinking Water	**Collected By:**	RF - Client
Lab Sample ID:	J0K1312-12	**Collection Date:**	11/04/2020 6:57

Analyses Subcontracted to: 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)								
Lead	**0.0607**	0.015 AL	0.0010	mg/L		11/30/20 1531	11/30/20 2036	LLW

CERTIFICATE OF ANALYSIS

J0K1312

Client Sample ID:	26		
Sample Matrix:	Drinking Water	**Collected By:**	RF - Client
Lab Sample ID:	J0K1312-13	**Collection Date:**	11/04/2020 6:55

Analyses Subcontracted to: 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)								
Lead	0.0106	0.015 AL	0.0010	mg/L		11/30/20 1531	11/30/20 2038	LLW

Client Sample ID:	32		
Sample Matrix:	Drinking Water	**Collected By:**	RF - Client
Lab Sample ID:	J0K1312-14	**Collection Date:**	11/04/2020 6:52

Analyses Subcontracted to: 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)								
Lead	0.0105	0.015 AL	0.0010	mg/L		11/30/20 1531	11/30/20 2046	LLW

Client Sample ID:	22		
Sample Matrix:	Drinking Water	**Collected By:**	RF - Client
Lab Sample ID:	J0K1312-15	**Collection Date:**	11/04/2020 6:58

Analyses Subcontracted to: 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)								
Lead	0.0099	0.015 AL	0.0010	mg/L		11/30/20 1531	11/30/20 2048	LLW

Client Sample ID:	28		
Sample Matrix:	Drinking Water	**Collected By:**	RF - Client
Lab Sample ID:	J0K1312-16	**Collection Date:**	11/04/2020 6:55

Analyses Subcontracted to: 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)								
Lead	0.0022	0.015 AL	0.0010	mg/L		11/30/20 1531	11/30/20 2050	LLW

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J0K1312

Client Sample ID:	21		
Sample Matrix:	Drinking Water	**Collected By:**	RF - Client
Lab Sample ID:	J0K1312-17	**Collection Date:**	11/04/2020 6:52

Analyses Subcontracted to: 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)								
Lead	0.0074	0.015 AL	0.0010	mg/L		11/30/20 1531	11/30/20 2052	LLW

Client Sample ID:	38		
Sample Matrix:	Drinking Water	**Collected By:**	RF - Client
Lab Sample ID:	J0K1312-18	**Collection Date:**	11/04/2020 7:03

Analyses Subcontracted to: 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)								
Lead	**0.682**	0.015 AL	0.0010	mg/L		11/30/20 1531	11/30/20 2054	LLW

Client Sample ID:	17		
Sample Matrix:	Drinking Water	**Collected By:**	RF - Client
Lab Sample ID:	J0K1312-19	**Collection Date:**	11/04/2020 7:00

Analyses Subcontracted to: 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)								
Lead	0.0107	0.015 AL	0.0010	mg/L		11/30/20 1531	11/30/20 2056	LLW

Client Sample ID:	16		
Sample Matrix:	Drinking Water	**Collected By:**	RF - Client
Lab Sample ID:	J0K1312-20	**Collection Date:**	11/04/2020 7:15

Analyses Subcontracted to: 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)								
Lead	<0.0010	0.015 AL	0.0010	mg/L		11/30/20 1531	11/30/20 2058	LLW

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Client Sample ID:	41		
Sample Matrix:	Drinking Water	**Collected By:**	RF - Client
Lab Sample ID:	J0K1312-21	**Collection Date:**	11/04/2020 7:02

Analyses Subcontracted to: 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)								
Lead	0.0090	0.015 AL	0.0010	mg/L		11/30/20 1535	11/30/20 2110	LLW

Client Sample ID:	48		
Sample Matrix:	Drinking Water	**Collected By:**	RF - Client
Lab Sample ID:	J0K1312-22	**Collection Date:**	11/04/2020 7:09

Analyses Subcontracted to: 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)								
Lead	0.0131	0.015 AL	0.0010	mg/L		11/30/20 1535	11/30/20 2116	LLW

Client Sample ID:	37		
Sample Matrix:	Drinking Water	**Collected By:**	RF - Client
Lab Sample ID:	J0K1312-23	**Collection Date:**	11/04/2020 7:00

Analyses Subcontracted to: 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)								
Lead	**0.0519**	0.015 AL	0.0010	mg/L		11/30/20 1535	11/30/20 2117	LLW

Client Sample ID:	23		
Sample Matrix:	Drinking Water	**Collected By:**	RF - Client
Lab Sample ID:	J0K1312-24	**Collection Date:**	11/04/2020 6:55

Analyses Subcontracted to: 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)								
Lead	0.0091	0.015 AL	0.0010	mg/L		11/30/20 1535	11/30/20 2119	LLW

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Client Sample ID:	49		
Sample Matrix:	Drinking Water	**Collected By:**	RF - Client
Lab Sample ID:	J0K1312-25	**Collection Date:**	11/04/2020 7:10

Analyses Subcontracted to: 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)								
Lead	0.0128	0.015 AL	0.0010	mg/L		11/30/20 1535	11/30/20 2121	LLW

Client Sample ID:	44		
Sample Matrix:	Drinking Water	**Collected By:**	RF - Client
Lab Sample ID:	J0K1312-26	**Collection Date:**	11/04/2020 7:05

Analyses Subcontracted to: 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)								
Lead	0.0074	0.015 AL	0.0010	mg/L		11/30/20 1535	11/30/20 2123	LLW

Client Sample ID:	43		
Sample Matrix:	Drinking Water	**Collected By:**	RF - Client
Lab Sample ID:	J0K1312-27	**Collection Date:**	11/04/2020 7:05

Analyses Subcontracted to: 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)								
Lead	0.0072	0.015 AL	0.0010	mg/L		11/30/20 1535	11/30/20 2129	LLW

Client Sample ID:	52		
Sample Matrix:	Drinking Water	**Collected By:**	RF - Client
Lab Sample ID:	J0K1312-28	**Collection Date:**	11/04/2020 7:16

Analyses Subcontracted to: 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)								
Lead	<0.0010	0.015 AL	0.0010	mg/L		11/30/20 1535	11/30/20 2131	LLW

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Client Sample ID:	40		
Sample Matrix:	Drinking Water	**Collected By:**	RF - Client
Lab Sample ID:	J0K1312-29	**Collection Date:**	11/04/2020 7:01

Analyses Subcontracted to: 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)								
Lead	0.0088	0.015 AL	0.0010	mg/L		11/30/20 1535	11/30/20 2133	LLW

Client Sample ID:	47		
Sample Matrix:	Drinking Water	**Collected By:**	RF - Client
Lab Sample ID:	J0K1312-30	**Collection Date:**	11/04/2020 7:10

Analyses Subcontracted to: 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)								
Lead	<0.0010	0.015 AL	0.0010	mg/L		11/30/20 1535	11/30/20 2135	LLW

Client Sample ID:	51		
Sample Matrix:	Drinking Water	**Collected By:**	RF - Client
Lab Sample ID:	J0K1312-31	**Collection Date:**	11/04/2020 7:06

Analyses Subcontracted to: 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)								
Lead	**0.0185**	0.015 AL	0.0010	mg/L		11/30/20 1535	11/30/20 2137	LLW

*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
mg/L:	Milligrams per Liter
RL:	Reporting Limit

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

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CERTIFICATE OF ANALYSIS

J0K1312

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 M. Walker

Jennifer Walker
Operations Manager
Reported: 12/07/2020 09:34

3821 Buck Drive
Cortland NY 13045
Phone:(607)753-3403 Fax:(607)753-3415
NY #10795, EPA #NY00935

LONG LAKE

Microbac Laboratories, Inc.
CHAIN OF CUSTODY

Samples must be returned on ice

MNY Workorder # _____

Client Information		Billing/Invoice:
Name:	Jeff/Lew Boces	
Address:	20104 NYS Route 3	
Contact:	Health/Safety Dept.	
Phone:	315-779-7000	
Project:		
Quote ID:	Lead Testing	PO#:
Rush TAT Bus. Days:	<2 2-5 5-7 7-10	Date Req.:
Carbon Copy:	Yes	
Email Results:	Yes rfilley@boces.com,fhauck@boces.com,lshaw@boces.com	
Fax Results:	Yes	

Analysis Requested: Total Lead (EPA 200.8)

Receiving Info (Lab Use Only)

Ice:	YES NO
Cooler:	YES NO
Sample Temp:	
Cooler Seal:	YES NO
Pickup:	YES NO
Dropoff:	C W
Accepted?	YES NO

Container Material	Plastic
Container Size(in Ml)	250 ml
Preservative	HNO3

Sample Information					Number of Containers for Analysis Requested	Comments/Field Data
	Description/Location	Date	Time	Matrix Type		
1	5	11/4	643	DW	1	
2	36		650			
3	3		631			
4	50		635			
5	1		636			
6	2		630			
7	8		645			
8	4		643			
9	13		650			
10	9		646			
11	34		631			
12	24		657			
13	26		655			
14	32		652			
15	22		658			
16	28		655			
17	21		652			
18	38		703			
19	17		700			
20	16		715			

	Print Name and Company	Date/Time	Comments
Sampled:		11/4/2020	
Received:			
Received:	Jennifer Wallace	11/6/2020	1700

Jefferson-Lewis-Hamilton-Herkimer-Oneida BOCE
PM: Shannon Weeks

J0K1312

Page 10 of 11

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

3821 Buck Drive
Cortland NY 13045
Phone:(607)753-3403 Fax:(607)753-3415
NY #10795, EPA #NY00935

Microbac Laboratories, Inc.

CHAIN OF CUSTODY

Samples must be returned on ice

MNY Workorder # _____

Client Information		Billing/Invoice:
Name:	Jeff/Lew Boces	
Address:	20104 NYS Route 3	
Contact:	Health/Safety Dept.	
Phone:	315-779-7000	
Project:		
Quote ID:	Lead Testing	PO#:
Rush TAT Bus. Days: <2 2-5 5-7 7-10		Date Req.:
Carbon Copy: Yes		
Email Results: Yes	rfilley@boces.com,fhauck@boces.com,lshaw@boces.com	
Fax Results: Yes		

Analysis Requested	
Total Lead (EPA 200.8)	
Plastic	
250 ml	
HNO3	

Receiving Info (Lab Use Only)	
Ice:	YES NO
Cooler:	YES NO
Sample Temp:	
Cooler Seal:	YES NO
Pickup:	YES NO
Dropoff:	C W
Accepted?	YES NO
Container Material	
Container Size(in Ml)	
Preservative	

Sample Information						
	Description/Location	Date	Time	Matrix Type	Number of Containers for Analysis Requested	Comments/Field Data
1	41	11/4	702	DW	1	
2	48		709			
3	37		700			
4	23		655			
5	49		710			
6	44		705			
7	43		705			
8	52		716			
9	40		701			
10	47		710			
11	51		706			
12						
13						
14						
15						
16						
17						
18						
19						
20						

	Print Name and Company	Date/Time	Comments
Sampled:		11/4/2005	
Received:			
Received:			

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