



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J611490

Jeferson-Lewis-Hamilton-Herkimer-Oneida BOCES

Project Name: Watertown Starbuck 2

Fred Hauck
20104 NYS Route 3
Watertown, NY 13601

Project / PO Number: N/A
Received: 09/28/2016 15:00
Reported: 10/28/2016 14:56

Analytical Testing Parameters

Client Sample ID: 1
Lab Sample ID: J611490-01
Sample Type: Grab

Collected By: FH-Client
Collection Date: 09/28/16
Collection Time: N/A

Table with 9 columns: Lead and/or Copper, Total - ICP/MS, Result, AL, PQL, Units, Note, Prepared, Analyzed, Lab. Row 1: Lead, 0.00956, 0.0150, 0.000500, mg/L, 10/19/16 1319, 10/25/16 1159, NY

Analytical Testing Parameters

Client Sample ID: 2
Lab Sample ID: J611490-02
Sample Type: Grab

Collected By: FH-Client
Collection Date: 09/28/16
Collection Time: N/A

Table with 9 columns: Lead and/or Copper, Total - ICP/MS, Result, AL, PQL, Units, Note, Prepared, Analyzed, Lab. Row 1: Lead, 0.0220, 0.0150, 0.000500, mg/L, G, 10/19/16 1139, 10/21/16 0155, NY

Analytical Testing Parameters

Client Sample ID: 3
Lab Sample ID: J611490-03
Sample Type: Grab

Collected By: FH-Client
Collection Date: 09/28/16
Collection Time: N/A

Table with 9 columns: Lead and/or Copper, Total - ICP/MS, Result, AL, PQL, Units, Note, Prepared, Analyzed, Lab. Row 1: Lead, 0.00745, 0.0150, 0.000500, mg/L, 10/19/16 1139, 10/21/16 0201, NY

Analytical Testing Parameters

Client Sample ID: 12
Lab Sample ID: J611490-04
Sample Type: Grab

Collected By: FH-Client
Collection Date: 09/28/16
Collection Time: N/A

Table with 9 columns: Lead and/or Copper, Total - ICP/MS, Result, AL, PQL, Units, Note, Prepared, Analyzed, Lab. Row 1: Lead, 0.00780, 0.0150, 0.000500, mg/L, 10/19/16 1139, 10/21/16 0207, NY



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Analytical Testing Parameters

Client Sample ID: 5
Lab Sample ID: J611490-05
Sample Type: Grab

Collected By: FH-Client
Collection Date: 09/28/16
Collection Time: N/A

Table with 9 columns: Lead and/or Copper, Total - ICP/MS, Result, AL, PQL, Units, Note, Prepared, Analyzed, Lab. Row 1: Lead, 0.0327, 0.0150, 0.000500, mg/L, G, 10/19/16 1319, 10/25/16 1205, NY

Analytical Testing Parameters

Client Sample ID: 6
Lab Sample ID: J611490-06
Sample Type: Grab

Collected By: FH-Client
Collection Date: 09/28/16
Collection Time: N/A

Table with 9 columns: Lead and/or Copper, Total - ICP/MS, Result, AL, PQL, Units, Note, Prepared, Analyzed, Lab. Row 1: Lead, 0.0186, 0.0150, 0.000500, mg/L, G, 10/19/16 1139, 10/21/16 0213, NY

Analytical Testing Parameters

Client Sample ID: 7
Lab Sample ID: J611490-07
Sample Type: Grab

Collected By: FH-Client
Collection Date: 09/28/16
Collection Time: N/A

Table with 9 columns: Lead and/or Copper, Total - ICP/MS, Result, AL, PQL, Units, Note, Prepared, Analyzed, Lab. Row 1: Lead, 0.0158, 0.0150, 0.000500, mg/L, G, 10/19/16 1319, 10/25/16 1211, NY

Analytical Testing Parameters

Client Sample ID: 8
Lab Sample ID: J611490-08
Sample Type: Grab

Collected By: FH-Client
Collection Date: 09/28/16
Collection Time: N/A

Table with 9 columns: Lead and/or Copper, Total - ICP/MS, Result, AL, PQL, Units, Note, Prepared, Analyzed, Lab. Row 1: Lead, 0.0359, 0.0150, 0.000500, mg/L, G, 10/19/16 1139, 10/21/16 0244, NY



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Analytical Testing Parameters

Client Sample ID: 13
Lab Sample ID: J611490-09
Sample Type: Grab

Collected By: FH-Client
Collection Date: 09/28/16
Collection Time: N/A

Table with 9 columns: Lead and/or Copper, Total - ICP/MS, Result, AL, PQL, Units, Note, Prepared, Analyzed, Lab. Row 1: Lead, 0.00607, 0.0150, 0.000500, mg/L, 10/19/16 1319, 10/25/16 1217, NY

Analytical Testing Parameters

Client Sample ID: 15S
Lab Sample ID: J611490-10
Sample Type: Grab

Collected By: FH-Client
Collection Date: 09/28/16
Collection Time: 06:43

Table with 9 columns: Lead and/or Copper, Total - ICP/MS, Result, AL, PQL, Units, Note, Prepared, Analyzed, Lab. Row 1: Lead, 0.00767, 0.0150, 0.000500, mg/L, 10/19/16 1139, 10/21/16 0250, NY

Analytical Testing Parameters

Client Sample ID: 16S
Lab Sample ID: J611490-11
Sample Type: Grab

Collected By: FH-Client
Collection Date: 09/28/16
Collection Time: 06:43

Table with 9 columns: Lead and/or Copper, Total - ICP/MS, Result, AL, PQL, Units, Note, Prepared, Analyzed, Lab. Row 1: Lead, 0.00671, 0.0150, 0.000500, mg/L, 10/19/16 1139, 10/21/16 0256, NY

Analytical Testing Parameters

Client Sample ID: 17S
Lab Sample ID: J611490-12
Sample Type: Grab

Collected By: FH-Client
Collection Date: 09/28/16
Collection Time: 06:46

Table with 9 columns: Lead and/or Copper, Total - ICP/MS, Result, AL, PQL, Units, Note, Prepared, Analyzed, Lab. Row 1: Lead, 0.0834, 0.0150, 0.000500, mg/L, G, 10/19/16 1139, 10/21/16 0302, NY



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Analytical Testing Parameters

Client Sample ID: 18S
Lab Sample ID: J611490-13
Sample Type: Grab

Collected By: FH-Client
Collection Date: 09/28/16
Collection Time: 06:45

Table with 9 columns: Lead and/or Copper, Total - ICP/MS, Result, AL, PQL, Units, Note, Prepared, Analyzed, Lab. Row 1: Lead, 0.00564, 0.0150, 0.000500, mg/L, 10/19/16 1139, 10/21/16 0308, NY.

Analytical Testing Parameters

Client Sample ID: 19S
Lab Sample ID: J611490-14
Sample Type: Grab

Collected By: FH-Client
Collection Date: 09/28/16
Collection Time: 06:50

Table with 9 columns: Lead and/or Copper, Total - ICP/MS, Result, AL, PQL, Units, Note, Prepared, Analyzed, Lab. Row 1: Lead, 0.0116, 0.0150, 0.000500, mg/L, 10/19/16 1139, 10/21/16 0314, NY.

Analytical Testing Parameters

Client Sample ID: 20S
Lab Sample ID: J611490-15
Sample Type: Grab

Collected By: FH-Client
Collection Date: 09/28/16
Collection Time: 06:49

Table with 9 columns: Lead and/or Copper, Total - ICP/MS, Result, AL, PQL, Units, Note, Prepared, Analyzed, Lab. Row 1: Lead, 0.0105, 0.0150, 0.000500, mg/L, 10/19/16 1139, 10/21/16 0502, NY.

Analytical Testing Parameters

Client Sample ID: 21S
Lab Sample ID: J611490-16
Sample Type: Grab

Collected By: FH-Client
Collection Date: 09/28/16
Collection Time: 06:52

Table with 9 columns: Lead and/or Copper, Total - ICP/MS, Result, AL, PQL, Units, Note, Prepared, Analyzed, Lab. Row 1: Lead, 0.00867, 0.0150, 0.000500, mg/L, 10/19/16 1319, 10/25/16 1223, NY.



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Analytical Testing Parameters

Client Sample ID: 22S
Lab Sample ID: J611490-17
Sample Type: Grab

Collected By: FH-Client
Collection Date: 09/28/16
Collection Time: 06:54

Table with 9 columns: Lead and/or Copper, Total - ICP/MS, Result, AL, PQL, Units, Note, Prepared, Analyzed, Lab. Row 1: Lead, 0.00768, 0.0150, 0.000500, mg/L, 10/19/16 1139, 10/21/16 0508, NY

Analytical Testing Parameters

Client Sample ID: 23L
Lab Sample ID: J611490-18
Sample Type: Grab

Collected By: FH-Client
Collection Date: 09/28/16
Collection Time: 06:28

Table with 9 columns: Lead and/or Copper, Total - ICP/MS, Result, AL, PQL, Units, Note, Prepared, Analyzed, Lab. Row 1: Lead, 0.00343, 0.0150, 0.000500, mg/L, 10/19/16 1139, 10/21/16 0514, NY

Analytical Testing Parameters

Client Sample ID: 25L
Lab Sample ID: J611490-20
Sample Type: Grab

Collected By: FH-Client
Collection Date: 09/28/16
Collection Time: N/A

Table with 9 columns: Lead and/or Copper, Total - ICP/MS, Result, AL, PQL, Units, Note, Prepared, Analyzed, Lab. Row 1: Lead, 0.00260, 0.0150, 0.000500, mg/L, 10/19/16 1139, 10/21/16 0520, NY

Analytical Testing Parameters

Client Sample ID: 26R
Lab Sample ID: J611490-21
Sample Type: Grab

Collected By: FH-Client
Collection Date: 09/28/16
Collection Time: N/A

Table with 9 columns: Lead and/or Copper, Total - ICP/MS, Result, AL, PQL, Units, Note, Prepared, Analyzed, Lab. Row 1: Lead, 0.000794, 0.0150, 0.000500, mg/L, 10/19/16 1319, 10/25/16 1229, NY



Microbac Laboratories, Inc., New York Division

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Analytical Testing Parameters

Client Sample ID: 15 Bath
Lab Sample ID: J611490-22
Sample Type: Grab

Collected By: FH-Client
Collection Date: 09/28/16
Collection Time: 06:43

Table with 9 columns: Lead and/or Copper, Total - ICP/MS, Result, AL, PQL, Units, Note, Prepared, Analyzed, Lab. Row 1: Lead, 0.0509, 0.0150, 0.000500, mg/L, G, 10/19/16 1319, 10/25/16 1235, NY

Analytical Testing Parameters

Client Sample ID: 16 Bath
Lab Sample ID: J611490-23
Sample Type: Grab

Collected By: FH-Client
Collection Date: 09/28/16
Collection Time: 06:42

Table with 9 columns: Lead and/or Copper, Total - ICP/MS, Result, AL, PQL, Units, Note, Prepared, Analyzed, Lab. Row 1: Lead, 0.0441, 0.0150, 0.000500, mg/L, G, 10/19/16 1319, 10/25/16 1241, NY

Analytical Testing Parameters

Client Sample ID: 17 Bath
Lab Sample ID: J611490-24
Sample Type: Grab

Collected By: FH-Client
Collection Date: 09/28/16
Collection Time: 06:46

Table with 9 columns: Lead and/or Copper, Total - ICP/MS, Result, AL, PQL, Units, Note, Prepared, Analyzed, Lab. Row 1: Lead, 0.00445, 0.0150, 0.000500, mg/L, 10/19/16 1319, 10/25/16 1248, NY

Analytical Testing Parameters

Client Sample ID: 18 Bath
Lab Sample ID: J611490-25
Sample Type: Grab

Collected By: FH-Client
Collection Date: 09/28/16
Collection Time: 06:45

Table with 9 columns: Lead and/or Copper, Total - ICP/MS, Result, AL, PQL, Units, Note, Prepared, Analyzed, Lab. Row 1: Lead, <0.000500, 0.0150, 0.000500, mg/L, 10/19/16 1319, 10/25/16 1318, NY



Microbac Laboratories, Inc., New York Division

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Analytical Testing Parameters

Client Sample ID: 19 Bath
Lab Sample ID: J611490-26
Sample Type: Grab

Collected By: FH-Client
Collection Date: 09/28/16
Collection Time: 06:50

Table with 9 columns: Lead and/or Copper, Total - ICP/MS, Result, AL, PQL, Units, Note, Prepared, Analyzed, Lab. Row 1: Lead, 0.00546, 0.0150, 0.000500, mg/L, 10/19/16 1319, 10/25/16 1324, NY.

Analytical Testing Parameters

Client Sample ID: 20 Bath
Lab Sample ID: J611490-27
Sample Type: Grab

Collected By: FH-Client
Collection Date: 09/28/16
Collection Time: 06:49

Table with 9 columns: Lead and/or Copper, Total - ICP/MS, Result, AL, PQL, Units, Note, Prepared, Analyzed, Lab. Row 1: Lead, 0.00629, 0.0150, 0.000500, mg/L, 10/19/16 1319, 10/25/16 1330, NY.

Analytical Testing Parameters

Client Sample ID: 21 Bath
Lab Sample ID: J611490-28
Sample Type: Grab

Collected By: FH-Client
Collection Date: 09/28/16
Collection Time: 06:52

Table with 9 columns: Lead and/or Copper, Total - ICP/MS, Result, AL, PQL, Units, Note, Prepared, Analyzed, Lab. Row 1: Lead, 0.0101, 0.0150, 0.000500, mg/L, 10/19/16 1319, 10/25/16 1336, NY.

Analytical Testing Parameters

Client Sample ID: 22 Bath
Lab Sample ID: J611490-29
Sample Type: Grab

Collected By: FH-Client
Collection Date: 09/28/16
Collection Time: 06:54

Table with 9 columns: Lead and/or Copper, Total - ICP/MS, Result, AL, PQL, Units, Note, Prepared, Analyzed, Lab. Row 1: Lead, 0.00178, 0.0150, 0.000500, mg/L, 10/19/16 1319, 10/25/16 1342, NY.



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Analytical Testing Parameters

Client Sample ID: 23 R
Lab Sample ID: J611490-30
Sample Type: Grab

Collected By: FH-Client
Collection Date: 09/28/16
Collection Time: 06:28

Table with 9 columns: Lead and/or Copper, Total - ICP/MS, Result, AL, PQL, Units, Note, Prepared, Analyzed, Lab. Row 1: Lead, 0.000954, 0.0150, 0.000500, mg/L, 10/19/16 1319, 10/25/16 1348, NY

Laboratory

NY: Microbac Laboratories, Inc., New York Division

Definitions

- AL: Action Level
RL: Reporting Limit
G: Result fails applicable NYS drinking water standards

Cooler Receipt Log

Cooler ID: Default Cooler Temp: °C

Cooler Inspection Checklist

Table with 4 columns: Item, AL, RL, G. Rows: Custody Seals Intact and/or No Evidence of Tampering (No), Containers Intact (No), COC/Labels Agree (No), Preservation Correct (or not required) (No), Received on Ice (or not required) (No)

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:

Michael Fifield
Division Manager
10/28/2016 14:56

Go Green: Contact Michael Fifield 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 Michael Fifield, Project Manager at michael.fifield@microbac.com. You may also contact Michael Fifield, Managing Director at michael.fifield@microbac.com or Robert Crookston, President at robert.crookston@microbac.com.

Microbac Laboratories, Inc.

CHAIN OF CUSTODY

Samples must be returned on ice
 MNY Workorder #

WA DELTOWN SHABUCK 2

Client Information				Billing/Invoice:			
Name: Jefferson-Lewis-Hamilton-Herkimer-Oswego BOCES		Address: 20104 NYS Route 3 Watertown, NY 13601		Contact: Ray Filley		Phone: 315-779-7054	
Project: Lead Testing		Quote ID:		PO#:		Date Req:	
Rush TAT Bur. Days: 3 2-5 5-7 7-10		Release to DOH: Yes		Email Results: Yes		Fax Results: Yes	
Email Results: Yes		Fax Results: Yes		fifley@boces.com / fhack@boes.com			
Sample Information				Analysis Requested			
Description/Location	Date	Time	Initial	Matrix Type	Number of Containers for Analysis Requested	Container Material	Container Size (in MI)
1	9/29		JA	250 HNO3			
2							
3							
4							
5							
6							
7							
8							
Preservative				Comments/Field Data			
Sampled: Fred Hack				Signature: <i>[Signature]</i>			
Received: DB Fedele				Date/Time: 9/28 9AM			
Received:				Date/Time: 9/28 1:00			
Received:				Date/Time:			
Received:				Date/Time:			
Received:				Date/Time:			



J611490

Microbac Laboratories (MNY) 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 MNY of the intent to subcontract and are in agreement with this condition.

Microbac Laboratories, Inc.
CHAIN OF CUSTODY

Samples must be returned on ice
 MNY Workorder #

Watertown Stateville 2

Client Information		Billing/Invoice:		Analysis Requested		Receiving Info (Lab Use Only)	
Name:	Jefferson-Lewis-Hamilton-Herkimer-Oswego BOCES					Ice:	YES NO
Address:	20104 NYS Route 3 Watertown, NY 13601					Cooler:	YES NO
Contact:	Ray Filley					Sample Temp:	YES NO
Phone:	315-779-7054					Cooler Seal:	YES NO
Project:	Lead Testing					Pickup:	YES NO
Quote ID:		PO#:				Dropoff:	C W
Rush TAT Bur. Days:	2-5 5-7 7-10	Date Req.:				Accepted?	YES NO
Release to DOH: Yes						Container Material	
Email Results: Yes	filley@boces.com					Container Size (in MI)	
Fax Results: Yes	rfilley@boces.com / rfilley@boes.com					Preservative	
Sample Information		Number of Containers for Analysis Requested		Comments/Field Data			
Description/Location	Date	Time	Initial	Matrix	Type		
13	9/28		JH				
15							
16							
17							
18							
19							
20							
21							
Sampled:		Print Name and Company		Signature		Date/Time	
Received:		Frost Hawk		<i>[Signature]</i>		9/28 9AM	
Received:		D. Bechele		<i>[Signature]</i>		9-28 1500	
Received:							
Received:							
Received:							

Microbac Laboratories (MNY) 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 MNY of the intent to subcontract and are in agreement with this notice.

Microbac Laboratories, Inc. CHAIN OF CUSTODY

Samples must be returned on ice
 MNY Workorder # _____

Client Information		Billing/Invoice:		Analysis Requested		Receiving Info (Lab Use Only)	
Name:	Jefferson-Lewis-Hamilton-Herkimer-Oneida BOCES					Ice:	YES NO
Address:	20104 NYS Route 3					Cooler:	YES NO
Contact:	Watertown, NY 13601					Sample Temp:	
Phone:	Ray Filley					Cooler Seal:	YES NO
Project:	315-779-7054					Pickup:	YES NO
Quote ID:	Lead Testing					Dropoff:	C W
Rush TAT Bur. Days:	2-5 5-7 7-10	PO#:				Accepted?	YES NO
Relocate to DOH: Yes		Date Req.:				Container Material:	
Email Results: Yes	rfilley@boces.com					Container Size (in MI):	
Fax Results: Yes	rfilley@boces.com / fhawk@boces.com					Preservative:	
Sample Information				Number of Containers for Analysis Requested			
Description/Location	Date	Time	Initial	Matrix Type	Comments/Field Data		
22	9/28		JJK	250			
23L				HN03			
24K							
25L							
26K							
Sampled:		Print Name and Company		Signature		Date/Time	
Received:		Farr Amick		<i>[Signature]</i>		9/28 9AM	
Received:		D. S. Schube		<i>[Signature]</i>		9-28 1:00	
Received:							
Received:							
Received:							

Microbac Laboratories (MNY) 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 MNY of the intent to subcontract and are in agreement with this matter.