



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J611503

Jefferson-Lewis-Hamilton-Herkimer-Oneida BOCES

Project Name: GB DEX

Fred Hauck
20104 NYS Route 3
Watertown, NY 13601

Project / PO Number: N/A
Received: 09/28/2016 15:00
Reported: 11/17/2016 17:57

Analytical Testing Parameters

Client Sample ID: 53B
Lab Sample ID: J611503-01
Sample Type: Grab

Collected By: RF-Client
Collection Date: 09/23/16
Collection Time: 07:15

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Metals	Result	Limit	PQL	Units	Note	Prepared	Analyzed
Method: EPA 200.8 Rev 5.4							
Lead	0.0413	0.0150	0.00100	mg/L	G	11/01/16 0800	11/03/16 1123

Analytical Testing Parameters

Client Sample ID: 53C
Lab Sample ID: J611503-02
Sample Type: Grab

Collected By: RF-Client
Collection Date: 09/23/16
Collection Time: 07:15

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Metals	Result	Limit	PQL	Units	Note	Prepared	Analyzed
Method: EPA 200.8 Rev 5.4							
Lead	0.00649	0.0150	0.00100	mg/L		11/01/16 0800	11/03/16 1124

Analytical Testing Parameters

Client Sample ID: 27A
Lab Sample ID: J611503-03
Sample Type: Grab

Collected By: RF-Client
Collection Date: 09/23/16
Collection Time: 07:12

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Metals	Result	Limit	PQL	Units	Note	Prepared	Analyzed
Method: EPA 200.8 Rev 5.4							
Lead	0.0557	0.0150	0.00100	mg/L	G	11/01/16 0800	11/03/16 1124





Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J611503

Analytical Testing Parameters

Client Sample ID: 27B
Lab Sample ID: J611503-04
Sample Type: Grab

Collected By: RF-Client
Collection Date: 09/23/16
Collection Time: 07:12

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Table with 8 columns: Metals, Result, Limit, PQL, Units, Note, Prepared, Analyzed. Row 1: Method: EPA 200.8 Rev 5.4, Lead, 0.0179, 0.0150, 0.00100, mg/L, G, 11/01/16 0800, 11/03/16 1125

Analytical Testing Parameters

Client Sample ID: 3
Lab Sample ID: J611503-05
Sample Type: Grab

Collected By: RF-Client
Collection Date: 09/23/16
Collection Time: 07:10

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Table with 8 columns: Metals, Result, Limit, PQL, Units, Note, Prepared, Analyzed. Row 1: Method: EPA 200.8 Rev 5.4, Lead, 0.0198, 0.0150, 0.00100, mg/L, G, 11/01/16 0800, 11/03/16 1126

Analytical Testing Parameters

Client Sample ID: 26
Lab Sample ID: J611503-06
Sample Type: Grab

Collected By: RF-Client
Collection Date: 09/23/16
Collection Time: 07:11

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Table with 8 columns: Metals, Result, Limit, PQL, Units, Note, Prepared, Analyzed. Row 1: Method: EPA 200.8 Rev 5.4, Lead, 0.0258, 0.0150, 0.00100, mg/L, G, 11/01/16 0800, 11/03/16 1128





Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J611503

Analytical Testing Parameters

Client Sample ID: 29
Lab Sample ID: J611503-07
Sample Type: Grab

Collected By: RF-Client
Collection Date: 09/23/16
Collection Time: 07:16

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Table with 8 columns: Metals, Result, Limit, PQL, Units, Note, Prepared, Analyzed. Row 1: Method: EPA 200.8 Rev 5.4, Lead, 0.00469, 0.0150, 0.00100, mg/L, 11/01/16 0800, 11/03/16 1130

Analytical Testing Parameters

Client Sample ID: 35
Lab Sample ID: J611503-08
Sample Type: Grab

Collected By: RF-Client
Collection Date: 09/23/16
Collection Time: 07:20

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Table with 8 columns: Metals, Result, Limit, PQL, Units, Note, Prepared, Analyzed. Row 1: Method: EPA 200.8 Rev 5.4, Lead, 0.00740, 0.0150, 0.00100, mg/L, 11/01/16 0800, 11/03/16 1130

Analytical Testing Parameters

Client Sample ID: 53A
Lab Sample ID: J611503-09
Sample Type: Grab

Collected By: RF-Client
Collection Date: 09/23/16
Collection Time: 07:15

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Table with 8 columns: Metals, Result, Limit, PQL, Units, Note, Prepared, Analyzed. Row 1: Method: EPA 200.8 Rev 5.4, Lead, 0.0114, 0.0150, 0.00100, mg/L, 11/01/16 0800, 11/03/16 1131





Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J611503

Analytical Testing Parameters

Client Sample ID: 78
Lab Sample ID: J611503-10
Sample Type: Grab

Collected By: RF-Client
Collection Date: 09/23/16
Collection Time: 07:16

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Table with 8 columns: Metals, Result, Limit, PQL, Units, Note, Prepared, Analyzed. Row 1: Method: EPA 200.8 Rev 5.4, Lead, 0.0114, 0.0150, 0.00100, mg/L, 11/01/16 0800, 11/03/16 1132

Analytical Testing Parameters

Client Sample ID: 51
Lab Sample ID: J611503-11
Sample Type: Grab

Collected By: RF-Client
Collection Date: 09/23/16
Collection Time: 07:09

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Table with 8 columns: Metals, Result, Limit, PQL, Units, Note, Prepared, Analyzed. Row 1: Method: EPA 200.8 Rev 5.4, Lead, 0.0591, 0.0150, 0.00100, mg/L, G, 11/01/16 0800, 11/03/16 1132

Analytical Testing Parameters

Client Sample ID: 4
Lab Sample ID: J611503-12
Sample Type: Grab

Collected By: RF-Client
Collection Date: 09/23/16
Collection Time: 07:10

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Table with 8 columns: Metals, Result, Limit, PQL, Units, Note, Prepared, Analyzed. Row 1: Method: EPA 200.8 Rev 5.4, Lead, 0.0979, 0.0150, 0.00100, mg/L, G, 11/01/16 0800, 11/03/16 1133





Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J611503

Analytical Testing Parameters

Client Sample ID: 2
Lab Sample ID: J611503-13
Sample Type: Grab

Collected By: RF-Client
Collection Date: 09/23/16
Collection Time: 07:07

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Metals	Result	Limit	PQL	Units	Note	Prepared	Analyzed
Method: EPA 200.8 Rev 5.4							
Lead	0.00842	0.0150	0.00100	mg/L		11/01/16 0800	11/03/16 1134

Analytical Testing Parameters

Client Sample ID: 50
Lab Sample ID: J611503-14
Sample Type: Grab

Collected By: RF-Client
Collection Date: 09/23/16
Collection Time: 07:08

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Metals	Result	Limit	PQL	Units	Note	Prepared	Analyzed
Method: EPA 200.8 Rev 5.4							
Lead	0.00382	0.0150	0.00100	mg/L		11/01/16 0800	11/03/16 1134

Analytical Testing Parameters

Client Sample ID: 1A
Lab Sample ID: J611503-15
Sample Type: Grab

Collected By: RF-Client
Collection Date: 09/23/16
Collection Time: 07:05

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Metals	Result	Limit	PQL	Units	Note	Prepared	Analyzed
Method: EPA 200.8 Rev 5.4							
Lead	0.00497	0.0150	0.00100	mg/L		11/01/16 0800	11/03/16 1135





Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J611503

Analytical Testing Parameters

Client Sample ID: 1B
Lab Sample ID: J611503-16
Sample Type: Grab

Collected By: RF-Client
Collection Date: 09/23/16
Collection Time: 07:05

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Table with 8 columns: Metals, Result, Limit, PQL, Units, Note, Prepared, Analyzed. Row 1: Method: EPA 200.8 Rev 5.4, Lead, 0.00657, 0.0150, 0.00100, mg/L, 11/01/16 0800, 11/03/16 1138

Analytical Testing Parameters

Client Sample ID: 52A
Lab Sample ID: J611503-17
Sample Type: Grab

Collected By: RF-Client
Collection Date: 09/23/16
Collection Time: 07:13

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Table with 8 columns: Metals, Result, Limit, PQL, Units, Note, Prepared, Analyzed. Row 1: Method: EPA 200.8 Rev 5.4, Lead, 0.0125, 0.0150, 0.00100, mg/L, 11/01/16 0800, 11/03/16 1139

Analytical Testing Parameters

Client Sample ID: 52C
Lab Sample ID: J611503-18
Sample Type: Grab

Collected By: RF-Client
Collection Date: 09/23/16
Collection Time: 07:13

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Table with 8 columns: Metals, Result, Limit, PQL, Units, Note, Prepared, Analyzed. Row 1: Method: EPA 200.8 Rev 5.4, Lead, 0.00673, 0.0150, 0.00100, mg/L, 11/01/16 0800, 11/03/16 1140





Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J611503

Analytical Testing Parameters

Client Sample ID: 22
Lab Sample ID: J611503-19
Sample Type: Grab

Collected By: RF-Client
Collection Date: 09/23/16
Collection Time: 06:52

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Table with 8 columns: Metals, Result, Limit, PQL, Units, Note, Prepared, Analyzed. Row 1: Method: EPA 200.8 Rev 5.4, Lead, 0.00750, 0.0150, 0.00100, mg/L, 11/01/16 0800, 11/03/16 1140

Analytical Testing Parameters

Client Sample ID: 46B
Lab Sample ID: J611503-20
Sample Type: Grab

Collected By: RF-Client
Collection Date: 09/23/16
Collection Time: 06:55

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Table with 8 columns: Metals, Result, Limit, PQL, Units, Note, Prepared, Analyzed. Row 1: Method: EPA 200.8 Rev 5.4, Lead, 0.00606, 0.0150, 0.00100, mg/L, 11/01/16 0800, 11/03/16 1141

Analytical Testing Parameters

Client Sample ID: 42
Lab Sample ID: J611503-21
Sample Type: Grab

Collected By: RF-Client
Collection Date: 09/23/16
Collection Time: 07:02

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Table with 8 columns: Metals, Result, Limit, PQL, Units, Note, Prepared, Analyzed. Row 1: Method: EPA 200.8 Rev 5.4, Lead, 0.00513, 0.0150, 0.00100, mg/L, 11/01/16 0800, 11/03/16 1142





Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J611503

Analytical Testing Parameters

Client Sample ID: 25
Lab Sample ID: J611503-22
Sample Type: Grab

Collected By: RF-Client
Collection Date: 09/23/16
Collection Time: 07:02

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Table with 8 columns: Metals, Result, Limit, PQL, Units, Note, Prepared, Analyzed. Row 1: Method: EPA 200.8 Rev 5.4, Lead, 0.0221, 0.0150, 0.00100, mg/L, G, 11/01/16 0800, 11/03/16 1142

Analytical Testing Parameters

Client Sample ID: 48
Lab Sample ID: J611503-23
Sample Type: Grab

Collected By: RF-Client
Collection Date: 09/23/16
Collection Time: 07:00

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Table with 8 columns: Metals, Result, Limit, PQL, Units, Note, Prepared, Analyzed. Row 1: Method: EPA 200.8 Rev 5.4, Lead, 0.00374, 0.0150, 0.00100, mg/L, 11/01/16 0800, 11/03/16 1143

Analytical Testing Parameters

Client Sample ID: 49
Lab Sample ID: J611503-24
Sample Type: Grab

Collected By: RF-Client
Collection Date: 09/23/16
Collection Time: 07:01

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Table with 8 columns: Metals, Result, Limit, PQL, Units, Note, Prepared, Analyzed. Row 1: Method: EPA 200.8 Rev 5.4, Lead, 0.0124, 0.0150, 0.00100, mg/L, 11/01/16 0800, 11/03/16 1143





Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J611503

Analytical Testing Parameters

Client Sample ID: 44C
Lab Sample ID: J611503-25
Sample Type: Grab

Collected By: RF-Client
Collection Date: 09/23/16
Collection Time: 06:57

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Table with 8 columns: Metals, Result, Limit, PQL, Units, Note, Prepared, Analyzed. Row 1: Method: EPA 200.8 Rev 5.4. Row 2: Lead, 0.00686, 0.0150, 0.00100, mg/L, 11/01/16 0800, 11/03/16 1145.

Analytical Testing Parameters

Client Sample ID: 47
Lab Sample ID: J611503-26
Sample Type: Grab

Collected By: RF-Client
Collection Date: 09/23/16
Collection Time: 06:59

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Table with 8 columns: Metals, Result, Limit, PQL, Units, Note, Prepared, Analyzed. Row 1: Method: EPA 200.8 Rev 5.4. Row 2: Lead, 0.0367, 0.0150, 0.00100, mg/L, G, 11/01/16 0800, 11/03/16 1147.

Analytical Testing Parameters

Client Sample ID: 19-1
Lab Sample ID: J611503-27
Sample Type: Grab

Collected By: RF-Client
Collection Date: 09/23/16
Collection Time: 06:47

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Table with 8 columns: Metals, Result, Limit, PQL, Units, Note, Prepared, Analyzed. Row 1: Method: EPA 200.8 Rev 5.4. Row 2: Lead, 0.0131, 0.0150, 0.00100, mg/L, 11/01/16 0800, 11/03/16 1148.





Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J611503

Analytical Testing Parameters

Client Sample ID: 19-2
Lab Sample ID: J611503-28
Sample Type: Grab

Collected By: RF-Client
Collection Date: 09/23/16
Collection Time: 06:48

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Table with 8 columns: Metals, Result, Limit, PQL, Units, Note, Prepared, Analyzed. Row 1: Method: EPA 200.8 Rev 5.4, Lead, 0.0159, 0.0150, 0.00100, mg/L, G, 11/01/16 0800, 11/03/16 1149

Analytical Testing Parameters

Client Sample ID: 20-1
Lab Sample ID: J611503-29
Sample Type: Grab

Collected By: RF-Client
Collection Date: 09/23/16
Collection Time: 06:48

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Table with 8 columns: Metals, Result, Limit, PQL, Units, Note, Prepared, Analyzed. Row 1: Method: EPA 200.8 Rev 5.4, Lead, 0.00986, 0.0150, 0.00100, mg/L, 11/01/16 0800, 11/03/16 1149

Analytical Testing Parameters

Client Sample ID: 20-2
Lab Sample ID: J611503-30
Sample Type: Grab

Collected By: RF-Client
Collection Date: 09/23/16
Collection Time: 06:48

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Table with 8 columns: Metals, Result, Limit, PQL, Units, Note, Prepared, Analyzed. Row 1: Method: EPA 200.8 Rev 5.4, Lead, 0.00615, 0.0150, 0.00100, mg/L, 11/01/16 0800, 11/03/16 1150





Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J611503

Analytical Testing Parameters

Client Sample ID: 44A
Lab Sample ID: J611503-31
Sample Type: Grab

Collected By: RF-Client
Collection Date: 09/23/16
Collection Time: 06:57

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Table with 8 columns: Metals, Result, Limit, PQL, Units, Note, Prepared, Analyzed. Row 1: Method: EPA 200.8 Rev 5.4, Lead, 0.0130, 0.0150, 0.00100, mg/L, 11/01/16 0800, 11/03/16 1151

Analytical Testing Parameters

Client Sample ID: 44B
Lab Sample ID: J611503-32
Sample Type: Grab

Collected By: RF-Client
Collection Date: 09/23/16
Collection Time: 06:57

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Table with 8 columns: Metals, Result, Limit, PQL, Units, Note, Prepared, Analyzed. Row 1: Method: EPA 200.8 Rev 5.4, Lead, 0.0181, 0.0150, 0.00100, mg/L, G, 11/01/16 0800, 11/03/16 1151

Analytical Testing Parameters

Client Sample ID: 46A
Lab Sample ID: J611503-33
Sample Type: Grab

Collected By: RF-Client
Collection Date: 09/23/16
Collection Time: 06:55

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Table with 8 columns: Metals, Result, Limit, PQL, Units, Note, Prepared, Analyzed. Row 1: Method: EPA 200.8 Rev 5.4, Lead, 0.0709, 0.0150, 0.00100, mg/L, G, 11/01/16 0800, 11/03/16 1153





Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J611503

Analytical Testing Parameters

Client Sample ID: 46B
Lab Sample ID: J611503-34
Sample Type: Grab

Collected By: RF-Client
Collection Date: 09/23/16
Collection Time: 06:55

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Table with 8 columns: Metals, Result, Limit, PQL, Units, Note, Prepared, Analyzed. Row 1: Method: EPA 200.8 Rev 5.4, Lead, 0.0534, 0.0150, 0.00100, mg/L, G, 11/01/16 0800, 11/03/16 1154

Analytical Testing Parameters

Client Sample ID: 7B
Lab Sample ID: J611503-35
Sample Type: Grab

Collected By: RF-Client
Collection Date: 09/23/16
Collection Time: 07:28

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Table with 8 columns: Metals, Result, Limit, PQL, Units, Note, Prepared, Analyzed. Row 1: Method: EPA 200.8 Rev 5.4, Lead, 0.0286, 0.0150, 0.00100, mg/L, G, 11/01/16 0800, 11/04/16 0825

Analytical Testing Parameters

Client Sample ID: 11A
Lab Sample ID: J611503-36
Sample Type: Grab

Collected By: RF-Client
Collection Date: 09/23/16
Collection Time: 07:32

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Table with 8 columns: Metals, Result, Limit, PQL, Units, Note, Prepared, Analyzed. Row 1: Method: EPA 200.8 Rev 5.4, Lead, 0.0297, 0.0150, 0.00100, mg/L, G, 11/01/16 0800, 11/03/16 1157





Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J611503

Analytical Testing Parameters

Client Sample ID: 41
Lab Sample ID: J611503-37
Sample Type: Grab

Collected By: RF-Client
Collection Date: 09/23/16
Collection Time: 07:22

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Table with 8 columns: Metals, Result, Limit, PQL, Units, Note, Prepared, Analyzed. Row 1: Method: EPA 200.8 Rev 5.4. Row 2: Lead, 0.0515, 0.0150, 0.00100, mg/L, G, 11/01/16 0800, 11/03/16 1157

Analytical Testing Parameters

Client Sample ID: 36
Lab Sample ID: J611503-38
Sample Type: Grab

Collected By: RF-Client
Collection Date: 09/23/16
Collection Time: 07:20

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Table with 8 columns: Metals, Result, Limit, PQL, Units, Note, Prepared, Analyzed. Row 1: Method: EPA 200.8 Rev 5.4. Row 2: Lead, 0.0438, 0.0150, 0.00100, mg/L, G, 11/01/16 0800, 11/03/16 1158

Analytical Testing Parameters

Client Sample ID: 10B
Lab Sample ID: J611503-39
Sample Type: Grab

Collected By: RF-Client
Collection Date: 09/23/16
Collection Time: 07:30

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Table with 8 columns: Metals, Result, Limit, PQL, Units, Note, Prepared, Analyzed. Row 1: Method: EPA 200.8 Rev 5.4. Row 2: Lead, 0.0239, 0.0150, 0.00100, mg/L, G, 11/01/16 0800, 11/03/16 1159





Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J611503

Analytical Testing Parameters

Client Sample ID: 6B
Lab Sample ID: J611503-40
Sample Type: Grab

Collected By: RF-Client
Collection Date: 09/23/16
Collection Time: 07:27

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Table with 8 columns: Metals, Result, Limit, PQL, Units, Note, Prepared, Analyzed. Row 1: Lead, 0.0496, 0.0150, 0.00100, mg/L, G, 11/01/16 0800, 11/03/16 1159

Analytical Testing Parameters

Client Sample ID: 21-1
Lab Sample ID: J611503-41
Sample Type: Grab

Collected By: RF-Client
Collection Date: 09/23/16
Collection Time: 06:49

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Table with 8 columns: Metals, Result, Limit, PQL, Units, Note, Prepared, Analyzed. Row 1: Lead, 0.0436, 0.0150, 0.00100, mg/L, G, 11/01/16 0800, 11/03/16 1201

Analytical Testing Parameters

Client Sample ID: 21-2
Lab Sample ID: J611503-42
Sample Type: Grab

Collected By: RF-Client
Collection Date: 09/23/16
Collection Time: 06:50

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Table with 8 columns: Metals, Result, Limit, PQL, Units, Note, Prepared, Analyzed. Row 1: Lead, 0.00594, 0.0150, 0.00100, mg/L, 11/01/16 0800, 11/03/16 1202





Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J611503

Analytical Testing Parameters

Client Sample ID: 11B
Lab Sample ID: J611503-43
Sample Type: Grab

Collected By: RF-Client
Collection Date: 09/23/16
Collection Time: 07:32

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Table with 8 columns: Metals, Result, Limit, PQL, Units, Note, Prepared, Analyzed. Row 1: Method: EPA 200.8 Rev 5.4, Lead, 0.0309, 0.0150, 0.00100, mg/L, G, 11/01/16 0800, 11/03/16 1203

Analytical Testing Parameters

Client Sample ID: 14A
Lab Sample ID: J611503-44
Sample Type: Grab

Collected By: RF-Client
Collection Date: 09/23/16
Collection Time: 07:34

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Table with 8 columns: Metals, Result, Limit, PQL, Units, Note, Prepared, Analyzed. Row 1: Method: EPA 200.8 Rev 5.4, Lead, 0.0317, 0.0150, 0.00100, mg/L, G, 11/01/16 0800, 11/03/16 1203

Analytical Testing Parameters

Client Sample ID: 54
Lab Sample ID: J611503-45
Sample Type: Grab

Collected By: RF-Client
Collection Date: 09/23/16
Collection Time: 07:23

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Table with 8 columns: Metals, Result, Limit, PQL, Units, Note, Prepared, Analyzed. Row 1: Method: EPA 200.8 Rev 5.4, Lead, 0.0608, 0.0150, 0.00100, mg/L, G, 11/01/16 0800, 11/03/16 1204





Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J611503

Analytical Testing Parameters

Client Sample ID: 8A
Lab Sample ID: J611503-46
Sample Type: Grab

Collected By: RF-Client
Collection Date: 09/23/16
Collection Time: 07:27

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Table with 8 columns: Metals, Result, Limit, PQL, Units, Note, Prepared, Analyzed. Row 1: Method: EPA 200.8 Rev 5.4, Lead, 0.0190, 0.0150, 0.00100, mg/L, G, 11/01/16 0800, 11/03/16 1206

Analytical Testing Parameters

Client Sample ID: 32
Lab Sample ID: J611503-47
Sample Type: Grab

Collected By: RF-Client
Collection Date: 09/23/16
Collection Time: 07:18

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Table with 8 columns: Metals, Result, Limit, PQL, Units, Note, Prepared, Analyzed. Row 1: Method: EPA 200.8 Rev 5.4, Lead, 0.00387, 0.0150, 0.00100, mg/L, 11/01/16 0800, 11/03/16 1207

Analytical Testing Parameters

Client Sample ID: 33
Lab Sample ID: J611503-48
Sample Type: Grab

Collected By: RF-Client
Collection Date: 09/23/16
Collection Time: 07:18

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Table with 8 columns: Metals, Result, Limit, PQL, Units, Note, Prepared, Analyzed. Row 1: Method: EPA 200.8 Rev 5.4, Lead, 0.0167, 0.0150, 0.00100, mg/L, G, 11/01/16 0800, 11/03/16 1207





Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J611503

Analytical Testing Parameters

Client Sample ID: 31
Lab Sample ID: J611503-49
Sample Type: Grab

Collected By: RF-Client
Collection Date: 09/23/16
Collection Time: 07:17

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Table with 8 columns: Metals, Result, Limit, PQL, Units, Note, Prepared, Analyzed. Row 1: Lead, 0.0259, 0.0150, 0.00100, mg/L, G, 11/01/16 0800, 11/03/16 1209

Analytical Testing Parameters

Client Sample ID: 30
Lab Sample ID: J611503-50
Sample Type: Grab

Collected By: RF-Client
Collection Date: 09/23/16
Collection Time: 07:17

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Table with 8 columns: Metals, Result, Limit, PQL, Units, Note, Prepared, Analyzed. Row 1: Lead, 0.0113, 0.0150, 0.00100, mg/L, 11/01/16 0800, 11/03/16 1210

Analytical Testing Parameters

Client Sample ID: 12A
Lab Sample ID: J611503-51
Sample Type: Grab

Collected By: RF-Client
Collection Date: 09/23/16
Collection Time: 07:33

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Table with 8 columns: Metals, Result, Limit, PQL, Units, Note, Prepared, Analyzed. Row 1: Lead, 0.0156, 0.0150, 0.00100, mg/L, G, 11/01/16 0800, 11/03/16 1211





Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J611503

Analytical Testing Parameters

Client Sample ID: 12B
Lab Sample ID: J611503-52
Sample Type: Grab

Collected By: RF-Client
Collection Date: 09/23/16
Collection Time: 07:33

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Table with 8 columns: Metals, Result, Limit, PQL, Units, Note, Prepared, Analyzed. Row 1: Method: EPA 200.8 Rev 5.4, Lead, 0.0332, 0.0150, 0.00100, mg/L, G, 11/01/16 0800, 11/03/16 1211

Analytical Testing Parameters

Client Sample ID: 8B
Lab Sample ID: J611503-53
Sample Type: Grab

Collected By: RF-Client
Collection Date: 09/23/16
Collection Time: 07:28

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Table with 8 columns: Metals, Result, Limit, PQL, Units, Note, Prepared, Analyzed. Row 1: Method: EPA 200.8 Rev 5.4, Lead, 0.0317, 0.0150, 0.00100, mg/L, G, 11/01/16 0800, 11/03/16 1212

Analytical Testing Parameters

Client Sample ID: 9B
Lab Sample ID: J611503-54
Sample Type: Grab

Collected By: RF-Client
Collection Date: 09/23/16
Collection Time: 07:30

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Table with 8 columns: Metals, Result, Limit, PQL, Units, Note, Prepared, Analyzed. Row 1: Method: EPA 200.8 Rev 5.4, Lead, 0.0175, 0.0150, 0.00100, mg/L, G, 11/01/16 0800, 11/03/16 1213





Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J611503

Analytical Testing Parameters

Client Sample ID: 39
Lab Sample ID: J611503-55
Sample Type: Grab

Collected By: RF-Client
Collection Date: 09/23/16
Collection Time: 07:21

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Table with 8 columns: Metals, Result, Limit, PQL, Units, Note, Prepared, Analyzed. Row 1: Lead, 0.0604, 0.0150, 0.00100, mg/L, G, 11/01/16 0800, 11/03/16 1213

Analytical Testing Parameters

Client Sample ID: 5B
Lab Sample ID: J611503-56
Sample Type: Grab

Collected By: RF-Client
Collection Date: 09/23/16
Collection Time: 07:26

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Table with 8 columns: Metals, Result, Limit, PQL, Units, Note, Prepared, Analyzed. Row 1: Lead, 0.0231, 0.0150, 0.00100, mg/L, G, 11/01/16 0800, 11/03/16 1218

Analytical Testing Parameters

Client Sample ID: 38
Lab Sample ID: J611503-57
Sample Type: Grab

Collected By: RF-Client
Collection Date: 09/23/16
Collection Time: 07:21

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Table with 8 columns: Metals, Result, Limit, PQL, Units, Note, Prepared, Analyzed. Row 1: Lead, 0.0601, 0.0150, 0.00100, mg/L, G, 11/01/16 0800, 11/03/16 1220





Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J611503

Analytical Testing Parameters

Client Sample ID: 55
Lab Sample ID: J611503-58
Sample Type: Grab

Collected By: RF-Client
Collection Date: 09/23/16
Collection Time: 07:23

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Table with 8 columns: Metals, Result, Limit, PQL, Units, Note, Prepared, Analyzed. Row 1: Method: EPA 200.8 Rev 5.4. Row 2: Lead, 0.00859, 0.0150, 0.00100, mg/L, 11/01/16 0800, 11/03/16 1220.

Analytical Testing Parameters

Client Sample ID: 40
Lab Sample ID: J611503-59
Sample Type: Grab

Collected By: RF-Client
Collection Date: 09/23/16
Collection Time: 07:22

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Table with 8 columns: Metals, Result, Limit, PQL, Units, Note, Prepared, Analyzed. Row 1: Method: EPA 200.8 Rev 5.4. Row 2: Lead, 0.0152, 0.0150, 0.00100, mg/L, G, 11/01/16 0800, 11/03/16 1221.

Analytical Testing Parameters

Client Sample ID: 5A
Lab Sample ID: J611503-60
Sample Type: Grab

Collected By: RF-Client
Collection Date: 09/23/16
Collection Time: 07:26

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Table with 8 columns: Metals, Result, Limit, PQL, Units, Note, Prepared, Analyzed. Row 1: Method: EPA 200.8 Rev 5.4. Row 2: Lead, 0.0153, 0.0150, 0.00100, mg/L, G, 11/01/16 0800, 11/03/16 1222.





Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J611503

Analytical Testing Parameters

Client Sample ID: 34
Lab Sample ID: J611503-61
Sample Type: Grab

Collected By: RF-Client
Collection Date: 09/23/16
Collection Time: 07:19

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Table with 8 columns: Metals, Result, Limit, PQL, Units, Note, Prepared, Analyzed. Row 1: Method: EPA 200.8 Rev 5.4, Lead, 0.0116, 0.0150, 0.00100, mg/L, 11/01/16 0800, 11/03/16 1222

Analytical Testing Parameters

Client Sample ID: 16C
Lab Sample ID: J611503-62
Sample Type: Grab

Collected By: RF-Client
Collection Date: 09/23/16
Collection Time: 07:38

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Table with 8 columns: Metals, Result, Limit, PQL, Units, Note, Prepared, Analyzed. Row 1: Method: EPA 200.8 Rev 5.4, Lead, 0.0112, 0.0150, 0.00100, mg/L, 11/01/16 0800, 11/03/16 1223

Analytical Testing Parameters

Client Sample ID: 15B
Lab Sample ID: J611503-63
Sample Type: Grab

Collected By: RF-Client
Collection Date: 09/23/16
Collection Time: 07:37

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Table with 8 columns: Metals, Result, Limit, PQL, Units, Note, Prepared, Analyzed. Row 1: Method: EPA 200.8 Rev 5.4, Lead, 0.0157, 0.0150, 0.00100, mg/L, G, 11/01/16 0800, 11/03/16 1224





Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J611503

Analytical Testing Parameters

Client Sample ID: 45
Lab Sample ID: J611503-64
Sample Type: Grab

Collected By: RF-Client
Collection Date: 09/23/16
Collection Time: 07:46

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Table with 8 columns: Metals, Result, Limit, PQL, Units, Note, Prepared, Analyzed. Row 1: Method: EPA 200.8 Rev 5.4, Lead, 0.0142, 0.0150, 0.00100, mg/L, 11/01/16 0800, 11/03/16 1224

Analytical Testing Parameters

Client Sample ID: 14B
Lab Sample ID: J611503-65
Sample Type: Grab

Collected By: RF-Client
Collection Date: 09/23/16
Collection Time: 07:34

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Table with 8 columns: Metals, Result, Limit, PQL, Units, Note, Prepared, Analyzed. Row 1: Method: EPA 200.8 Rev 5.4, Lead, 0.0692, 0.0150, 0.00100, mg/L, G, 11/01/16 0800, 11/03/16 1225

Analytical Testing Parameters

Client Sample ID: 14C
Lab Sample ID: J611503-66
Sample Type: Grab

Collected By: RF-Client
Collection Date: 09/23/16
Collection Time: 07:34

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Table with 8 columns: Metals, Result, Limit, PQL, Units, Note, Prepared, Analyzed. Row 1: Method: EPA 200.8 Rev 5.4, Lead, 0.0119, 0.0150, 0.00100, mg/L, 11/01/16 0800, 11/03/16 1228





Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J611503

Analytical Testing Parameters

Client Sample ID: 57
Lab Sample ID: J611503-67
Sample Type: Grab

Collected By: RF-Client
Collection Date: 09/23/16
Collection Time: 07:45

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Table with 8 columns: Metals, Result, Limit, PQL, Units, Note, Prepared, Analyzed. Row 1: Method: EPA 200.8 Rev 5.4, Lead, 0.00734, 0.0150, 0.00100, mg/L, 11/01/16 0800, 11/03/16 1229

Analytical Testing Parameters

Client Sample ID: 17C
Lab Sample ID: J611503-69
Sample Type: Grab

Collected By: RF-Client
Collection Date: 09/23/16
Collection Time: 07:39

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Table with 8 columns: Metals, Result, Limit, PQL, Units, Note, Prepared, Analyzed. Row 1: Method: EPA 200.8 Rev 5.4, Lead, 0.00913, 0.0150, 0.00100, mg/L, 11/01/16 0800, 11/03/16 1230

Analytical Testing Parameters

Client Sample ID: 15C
Lab Sample ID: J611503-70
Sample Type: Grab

Collected By: RF-Client
Collection Date: 09/23/16
Collection Time: 07:36

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Table with 8 columns: Metals, Result, Limit, PQL, Units, Note, Prepared, Analyzed. Row 1: Method: EPA 200.8 Rev 5.4, Lead, 0.00756, 0.0150, 0.00100, mg/L, 11/01/16 0800, 11/03/16 1230





Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J611503

Analytical Testing Parameters

Client Sample ID: 17B
Lab Sample ID: J611503-71
Sample Type: Grab

Collected By: RF-Client
Collection Date: 09/23/16
Collection Time: 07:39

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Table with 8 columns: Metals, Result, Limit, PQL, Units, Note, Prepared, Analyzed. Row 1: Method: EPA 200.8 Rev 5.4. Row 2: Lead, 0.0144, 0.0150, 0.00100, mg/L, 11/01/16 0800, 11/03/16 1231

Analytical Testing Parameters

Client Sample ID: 15A
Lab Sample ID: J611503-72
Sample Type: Grab

Collected By: RF-Client
Collection Date: 09/23/16
Collection Time: 07:36

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Table with 8 columns: Metals, Result, Limit, PQL, Units, Note, Prepared, Analyzed. Row 1: Method: EPA 200.8 Rev 5.4. Row 2: Lead, 0.0140, 0.0150, 0.00100, mg/L, 11/01/16 0800, 11/03/16 1232

Analytical Testing Parameters

Client Sample ID: 10A
Lab Sample ID: J611503-73
Sample Type: Grab

Collected By: RF-Client
Collection Date: 09/23/16
Collection Time: 07:30

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Table with 8 columns: Metals, Result, Limit, PQL, Units, Note, Prepared, Analyzed. Row 1: Method: EPA 200.8 Rev 5.4. Row 2: Lead, 0.00794, 0.0150, 0.00100, mg/L, 11/01/16 0800, 11/03/16 1232





Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J611503

Analytical Testing Parameters

Client Sample ID: 13B
Lab Sample ID: J611503-74
Sample Type: Grab

Collected By: RF-Client
Collection Date: 09/23/16
Collection Time: 07:34

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Table with 8 columns: Metals, Result, Limit, PQL, Units, Note, Prepared, Analyzed. Row 1: Method: EPA 200.8 Rev 5.4, Lead, 0.0172, 0.0150, 0.00100, mg/L, G, 11/01/16 0800, 11/03/16 1233

Analytical Testing Parameters

Client Sample ID: 37
Lab Sample ID: J611503-75
Sample Type: Grab

Collected By: RF-Client
Collection Date: 09/23/16
Collection Time: 07:20

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Table with 8 columns: Metals, Result, Limit, PQL, Units, Note, Prepared, Analyzed. Row 1: Method: EPA 200.8 Rev 5.4, Lead, 0.0370, 0.0150, 0.00100, mg/L, G, 11/01/16 0800, 11/03/16 1234

Analytical Testing Parameters

Client Sample ID: 16B
Lab Sample ID: J611503-76
Sample Type: Grab

Collected By: RF-Client
Collection Date: 09/23/16
Collection Time: 07:38

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Table with 8 columns: Metals, Result, Limit, PQL, Units, Note, Prepared, Analyzed. Row 1: Method: EPA 200.8 Rev 5.4, Lead, 0.0300, 0.0150, 0.00100, mg/L, G, 11/01/16 0800, 11/03/16 1237





Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J611503

Analytical Testing Parameters

Client Sample ID: 18A
Lab Sample ID: J611503-77
Sample Type: Grab

Collected By: RF-Client
Collection Date: 09/23/16
Collection Time: 07:38

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Table with 8 columns: Metals, Result, Limit, PQL, Units, Note, Prepared, Analyzed. Row 1: Method: EPA 200.8 Rev 5.4. Row 2: Lead, 0.00414, 0.0150, 0.00100, mg/L, 11/01/16 0800, 11/03/16 1237

Analytical Testing Parameters

Client Sample ID: 13A
Lab Sample ID: J611503-78
Sample Type: Grab

Collected By: RF-Client
Collection Date: 09/23/16
Collection Time: 07:34

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Table with 8 columns: Metals, Result, Limit, PQL, Units, Note, Prepared, Analyzed. Row 1: Method: EPA 200.8 Rev 5.4. Row 2: Lead, 0.0143, 0.0150, 0.00100, mg/L, 11/01/16 0800, 11/03/16 1238

Analytical Testing Parameters

Client Sample ID: 18C
Lab Sample ID: J611503-79
Sample Type: Grab

Collected By: RF-Client
Collection Date: 09/23/16
Collection Time: 07:39

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Table with 8 columns: Metals, Result, Limit, PQL, Units, Note, Prepared, Analyzed. Row 1: Method: EPA 200.8 Rev 5.4. Row 2: Lead, 0.0178, 0.0150, 0.00100, mg/L, G, 11/01/16 0800, 11/03/16 1239





Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J611503

Analytical Testing Parameters

Client Sample ID: 56
Lab Sample ID: J611503-80
Sample Type: Grab

Collected By: RF-Client
Collection Date: 09/23/16
Collection Time: 07:43

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Table with 8 columns: Metals, Result, Limit, PQL, Units, Note, Prepared, Analyzed. Row 1: Method: EPA 200.8 Rev 5.4. Row 2: Lead, 0.00753, 0.0150, 0.00100, mg/L, 11/01/16 0800, 11/03/16 1239

Analytical Testing Parameters

Client Sample ID: 18B
Lab Sample ID: J611503-81
Sample Type: Grab

Collected By: RF-Client
Collection Date: 09/23/16
Collection Time: 07:39

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Table with 8 columns: Metals, Result, Limit, PQL, Units, Note, Prepared, Analyzed. Row 1: Method: EPA 200.8 Rev 5.4. Row 2: Lead, 0.0525, 0.0150, 0.00100, mg/L, G, 11/01/16 0800, 11/03/16 1240

Analytical Testing Parameters

Client Sample ID: 58
Lab Sample ID: J611503-82
Sample Type: Grab

Collected By: RF-Client
Collection Date: 09/23/16
Collection Time: 07:45

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Table with 8 columns: Metals, Result, Limit, PQL, Units, Note, Prepared, Analyzed. Row 1: Method: EPA 200.8 Rev 5.4. Row 2: Lead, 0.00803, 0.0150, 0.00100, mg/L, 11/01/16 0800, 11/03/16 1241

Laboratory

NY: Microbac Laboratories, Inc., New York Division

Definitions

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





Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J611503

Cooler Receipt Log

Cooler ID: Default Cooler Temp: °C

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
Microbac Laboratories, Inc. - Chicagoland	
NY Lab ID No: 12006	New York State Department of Health
PA DEP ID: 68-04863	Pennsylvania Department of Environmental Protection

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
11/17/2016 17:57

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.

