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Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6D0241

Binghamton University

Kelly Donovan
440 Vestal Parkway
Binghamton, NY 13902

Project Name: BU Pb 2016

Project / PO Number: N/A
Received: 04/01/2016 11:00
Reported: 04/12/2016 17:24

Analytical Testing Parameters

Client Sample ID: MCG-1
Lab Sample ID: J6D0241-01
Sample Type:

Collected By: Client
Collection Date: 03/31/16
Collection Time: 06:25

Analyses Subcontracted to: Microbac Laboratories, Inc. Dayville (NY 11549)

200.8- ICP-MS	Result	PQL	Units	Note	Prepared	Analyzed
Method: 200.8						
Lead	<0.001	0.001	mg/L		04/06/16 1040	04/08/16 0056

Analytical Testing Parameters

Client Sample ID: MCG-02
Lab Sample ID: J6D0241-02
Sample Type:

Collected By: Client
Collection Date: 03/31/16
Collection Time: 06:28

Analyses Subcontracted to: Microbac Laboratories, Inc. Dayville (NY 11549)

200.8- ICP-MS	Result	PQL	Units	Note	Prepared	Analyzed
Method: 200.8						
Lead	**0.0015**	0.001	mg/L		04/06/16 1040	04/08/16 0108

Analytical Testing Parameters

Client Sample ID: UU-01
Lab Sample ID: J6D0241-03
Sample Type:

Collected By: Client
Collection Date: 03/31/16
Collection Time: 06:34

Analyses Subcontracted to: Microbac Laboratories, Inc. Dayville (NY 11549)

200.8- ICP-MS	Result	PQL	Units	Note	Prepared	Analyzed
Method: 200.8						
Lead	<0.001	0.001	mg/L		04/06/16 1040	04/08/16 0111

Analytical Testing Parameters

Client Sample ID:	UU-02	**Collected By:**	Client
Lab Sample ID:	J6D0241-04	**Collection Date:**	03/31/16
Sample Type:		**Collection Time:**	06:39

Analyses Subcontracted to: Microbac Laboratories, Inc. Dayville (NY 11549)

200.8- ICP-MS	Result	PQL	Units	Note	Prepared	Analyzed
Method: 200.8						
Lead	<0.001	0.001	mg/L		04/06/16 1040	04/08/16 0115

Analytical Testing Parameters

Client Sample ID:	UU-03	**Collected By:**	Client
Lab Sample ID:	J6D0241-05	**Collection Date:**	03/31/16
Sample Type:		**Collection Time:**	06:45

Analyses Subcontracted to: Microbac Laboratories, Inc. Dayville (NY 11549)

200.8- ICP-MS	Result	PQL	Units	Note	Prepared	Analyzed
Method: 200.8						
Lead	<0.001	0.001	mg/L		04/06/16 1040	04/08/16 0119

Analytical Testing Parameters

Client Sample ID:	UU-04	**Collected By:**	Client
Lab Sample ID:	J6D0241-06	**Collection Date:**	03/31/16
Sample Type:		**Collection Time:**	06:48

Analyses Subcontracted to: Microbac Laboratories, Inc. Dayville (NY 11549)

200.8- ICP-MS	Result	PQL	Units	Note	Prepared	Analyzed
Method: 200.8						
Lead	<0.001	0.001	mg/L		04/06/16 1040	04/08/16 0122

Analytical Testing Parameters

Client Sample ID: SC1-01
Lab Sample ID: J6D0241-07
Sample Type:

Collected By: Client
Collection Date: 03/31/16
Collection Time: 07:15

Analyses Subcontracted to: Microbac Laboratories, Inc. Dayville (NY 11549)

200.8- ICP-MS	Result	PQL	Units	Note	Prepared	Analyzed
Method: 200.8						
Lead	<0.001	0.001	mg/L		04/06/16 1040	04/08/16 0134

Analytical Testing Parameters

Client Sample ID: SC1-02
Lab Sample ID: J6D0241-08
Sample Type:

Collected By: Client
Collection Date: 03/31/16
Collection Time: 07:20

Analyses Subcontracted to: Microbac Laboratories, Inc. Dayville (NY 11549)

200.8- ICP-MS	Result	PQL	Units	Note	Prepared	Analyzed
Method: 200.8						
Lead	<0.001	0.001	mg/L		04/06/16 1040	04/08/16 0137

Analytical Testing Parameters

Client Sample ID: SC1-03
Lab Sample ID: J6D0241-09
Sample Type:

Collected By: Client
Collection Date: 03/31/16
Collection Time: 07:25

Analyses Subcontracted to: Microbac Laboratories, Inc. Dayville (NY 11549)

200.8- ICP-MS	Result	PQL	Units	Note	Prepared	Analyzed
Method: 200.8						
Lead	<0.001	0.001	mg/L		04/06/16 1040	04/08/16 0141

Analytical Testing Parameters

Client Sample ID:	SC1-04	**Collected By:**	Client
Lab Sample ID:	J6D0241-10	**Collection Date:**	03/31/16
Sample Type:		**Collection Time:**	07:30

Analyses Subcontracted to: Microbac Laboratories, Inc. Dayville (NY 11549)

200.8- ICP-MS	Result	PQL	Units	Note	Prepared	Analyzed
Method: 200.8						
Lead	<0.001	0.001	mg/L		04/06/16 1040	04/08/16 0145

Analytical Testing Parameters

Client Sample ID:	CLE-01	**Collected By:**	Client
Lab Sample ID:	J6D0241-11	**Collection Date:**	03/31/16
Sample Type:		**Collection Time:**	07:00

Analyses Subcontracted to: Microbac Laboratories, Inc. Dayville (NY 11549)

200.8- ICP-MS	Result	PQL	Units	Note	Prepared	Analyzed
Method: 200.8						
Lead	<0.001	0.001	mg/L		04/06/16 1040	04/08/16 0149

Analytical Testing Parameters

Client Sample ID:	CLE-02	**Collected By:**	Client
Lab Sample ID:	J6D0241-12	**Collection Date:**	03/31/16
Sample Type:		**Collection Time:**	07:05

Analyses Subcontracted to: Microbac Laboratories, Inc. Dayville (NY 11549)

200.8- ICP-MS	Result	PQL	Units	Note	Prepared	Analyzed
Method: 200.8						
Lead	<0.001	0.001	mg/L		04/06/16 1040	04/08/16 0156

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Analytical Testing Parameters

Client Sample ID: CLE-03
Lab Sample ID: J6D0241-13
Sample Type:

Collected By: Client
Collection Date: 03/31/16
Collection Time: 07:06

Analyses Subcontracted to: Microbac Laboratories, Inc. Dayville (NY 11549)

200.8- ICP-MS	Result	PQL	Units	Note	Prepared	Analyzed
Method: 200.8						
Lead	<0.001	0.001	mg/L		04/06/16 1055	04/08/16 0200

Analytical Testing Parameters

Client Sample ID: JOH-01
Lab Sample ID: J6D0241-14
Sample Type:

Collected By: Client
Collection Date: 03/31/16
Collection Time: 07:40

Analyses Subcontracted to: Microbac Laboratories, Inc. Dayville (NY 11549)

200.8- ICP-MS	Result	PQL	Units	Note	Prepared	Analyzed
Method: 200.8						
Lead	<0.001	0.001	mg/L		04/06/16 1055	04/08/16 0203

Analytical Testing Parameters

Client Sample ID: JOH-02
Lab Sample ID: J6D0241-15
Sample Type:

Collected By: Client
Collection Date: 03/31/16
Collection Time: 07:45

Analyses Subcontracted to: Microbac Laboratories, Inc. Dayville (NY 11549)

200.8- ICP-MS	Result	PQL	Units	Note	Prepared	Analyzed
Method: 200.8						
Lead	<0.001	0.001	mg/L		04/06/16 1055	04/08/16 0207

Laboratory

NY: Microbac Laboratories, Inc., New York Division

Definitions

AL: Action Level
PQL: Practical Quantitation Limit

Cooler Receipt Log

Cooler ID: Default Cooler Temp: 16.0°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. Dayville (NY 11549)
NY Lab ID No: 11549 — 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
04/12/2016 17:24

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.

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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:	Binghamton University	
Address:	Physical Plant, PO Box 6000	
	Binghamton, NY 13902-6000	
Contact:	Kelly Donovan	
Phone:	607-777-4018	
Project:	BU Pb 2016	
Quote ID:		PO#:

Rush TAT Bus. Days: <2 2-5 5-7 7-10 Date Req.: _____

Carbon Copy: Yes

Email Results: Yes

Fax Results: Yes

Receiving Info (Lab Use Only)	
Ice:	YES NO
Cooler:	YES NO
Sample Temp:	16
Cooler Seal:	YES NO
Pickup:	YES NO
Dropoff:	C W
Accepted?	YES NO

Analysis Requested	Total Lead (DW) (EPA 200.8)
Container Material	Plastic
Container Size(in Ml)	250 ml
Preservative	HNO3

Sample Information

	Description/Location	Date	Time	Matrix Type	Number of Containers for Analysis Requested	Comments/Field Data
1	MCG -01	3/3/16	6:25a	Gr/DW	1	
2	MCG -02		6:28a			
3	UU -01		6:34a			
4	UU -02		6:39a			
5	UU -03		6:45a			
6	UU -04		6:48a			
7	SC1 -01		7:15a			
8	SC1 -02		7:20a			
9	SC1 -03		7:25a			
10	SC1 -04		7:30a			
11	CLE -01		7:00a			
12	CLE -02		7:05a			
13	CLE -03		7:06a			
14	JOH -01		7:40a			
15	JOH -02		7:45a			

J6D0241

	Print Name and Company	Date/Time	Comments
Sampled:	[illegible] BU	4/1/16 9:23	
Received:	Pete Rundell Inc	4/1/16	
Received:	[illegible]	4/1/16 1100	

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 action.