

APPENDIX I

LABORATORY ANALYTICAL DATA



9000 Commerce Parkway Suite B
Mt. Laurel, New Jersey 08054
Telephone: 856-231-9449
Email: customerservice@iatl.com

CERTIFICATE OF ANALYSIS

Client: Brinkerhoff Environmental Services Inc.
1805 Atlantic Avenue
Manasquan NJ 08736

Report Date: 6/7/2016
Report No.: 510344 - Lead Water
Project: Passaic Campus
Project No.: 14BR141S

Client: BRI493

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:5935701 Client No.:PA-09A	Location:Kitchen-Slop Sink FD, 5-21-16	Result(ppb):3.4
Lab No.:5935702 Client No.:PA-09B	Location:Kitchen-Slop Sink FL, 5-21-16	Result(ppb):2.6
Lab No.:5935703 Client No.:PA-10A	Location:Lobby Bathroom Sink FD, 5-21-16	Result(ppb):<2.0
Lab No.:5935704 Client No.:PA-10B	Location:Lobby Bathroom Sink FL, 5-21-16	Result(ppb):<2.0
Lab No.:5935705 Client No.:PA-11A	Location:Staff Bathroom Sink #1 FD, 5-21-16	Result(ppb):<2.0
Lab No.:5935706 Client No.:PA-11B	Location:Staff Bathroom Sink #1 FL, 5-21-16	Result(ppb):<2.0
Lab No.:5935707 Client No.:PA-12A	Location:Janitor's Closet Sink FD, 5-21-16	Result(ppb):<2.0
Lab No.:5935708 Client No.:PA-12B	Location:Janitor's Closet Sink FL, 5-21-16	Result(ppb):<2.0
Lab No.:5935709 Client No.:PA-13A	Location:Room 108-1st Bathroom Sink FD, 5-21-16	Result(ppb):<2.0
Lab No.:5935710 Client No.:PA-13B	Location:Room 108-1st Bathroom Sink FL, 5-21-16	Result(ppb):<2.0

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 5/23/2016
Date Analyzed: 6/7/2016 12:00:00 AM
Signature: Chad Shaffer
Analyst: Chad Shaffer

Approved By: Frank E. Ehrenfeld, III
Frank E. Ehrenfeld, III
Laboratory Director



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Report No.: 510344 - Lead Water
Project: Passaic Campus
Project No.: 14BR141S

Client: BRI493

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:5935711 Location:Room 108-2nd Bathroom Sink FD, 5- Result(ppb):<2.0
Client No.:PA-14A 21-16

Lab No.:5935712 Location:Room 108-2nd Bathroom Sink FL, 5- Result(ppb):<2.0
Client No.:PA-14B 21-16

Lab No.:5935713 Location:Room 107-1st Bathroom Sink FD, 5- Result(ppb):2.7
Client No.:PA-15A 21-16

Lab No.:5935714 Location:Room 107-1st Bathroom Sink FL, 5- Result(ppb):<2.0
Client No.:PA-15B 21-16

Lab No.:5935715 Location:Room 107-2nd Bathroom Sink FD, 5- Result(ppb):<2.0
Client No.:PA-16A 21-16

Lab No.:5935716 Location:Room 107-2nd Bathroom Sink FL, 5- Result(ppb):<2.0
Client No.:PA-16B 21-16

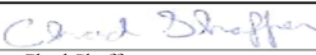
Lab No.:5935717 Location:Room 108-Center Sink FD, 5-21-16 Result(ppb):4.7
Client No.:PA-17A

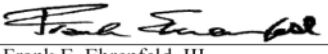
Lab No.:5935718 Location:Room 108-Center Sink FL, 5-21-16 Result(ppb):<2.0
Client No.:PA-17B

Lab No.:5935719 Location:Room 107-Center Sink FD, 5-21-16 Result(ppb):8.4
Client No.:PA-18A

Lab No.:5935720 Location:Room 107-Center Sink FL, 5-21-16 Result(ppb):<2.0
Client No.:PA-18B

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Client: BRI493
Report Date: 6/7/2016
Report No.: 510344 - Lead Water
Project: Passaic Campus
Project No.: 14BR141S

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:5935721 Location:Room 113-1st Bathroom Sink FD, 5- Result(ppb):3.6
Client No.:PA-19A 21-16

Lab No.:5935722 Location:Room 113-1st Bathroom Sink FL, 5- Result(ppb):<2.0
Client No.:PA-19B 21-16

Lab No.:5935723 Location:Room 113-2nd Bathroom Sink FD, 5- Result(ppb):64
Client No.:PA-20A 21-16

Lab No.:5935724 Location:Room 113-2nd Bathroom Sink FL, 5- Result(ppb):2.4
Client No.:PA-20B 21-16

Lab No.:5935725 Location:Room 114-1st Bathroom Sink FD, 5- Result(ppb):3.7
Client No.:PA-21A 21-16

Lab No.:5935726 Location:Room 114-1st Bathroom Sink FL, 5- Result(ppb):<2.0
Client No.:PA-21B 21-16

Lab No.:5935727 Location:Room 118-Sink FD, 5-21-16 Result(ppb):11
Client No.:PA-22A

Lab No.:5935728 Location:Room 118-Sink FL, 5-21-16 Result(ppb):3.7
Client No.:PA-22B

Lab No.:5935729 Location:Room 119-Sink FD, 5-21-16 Result(ppb):9.6
Client No.:PA-23A

Lab No.:5935730 Location:Room 119-Sink FL, 5-21-16 Result(ppb):2.2
Client No.:PA-23B

Please refer to the Appendix of this report for further information regarding your analysis.

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CERTIFICATE OF ANALYSIS

Client: Brinkerhoff Environmental Services Inc.
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Client: BRI493
Report Date: 6/7/2016
Report No.: 510344 - Lead Water
Project: Passaic Campus
Project No.: 14BR141S

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:5935731 Client No.:PA-24A	Location:Room 120-Sink FD, 5-21-16	Result(ppb):6.2
Lab No.:5935732 Client No.:PA-24B	Location:Room 120-Sink FL, 5-21-16	Result(ppb):<2.0
Lab No.:5935733 Client No.:PA-25A	Location:Room 121-Sink (Retest) FD, 5-21-16	Result(ppb):11
Lab No.:5935734 Client No.:PA-25B	Location:Room 121-Sink (Retest) FL, 5-21-16	Result(ppb):2.3
Lab No.:5935735 Client No.:PA-26A	Location:Men's Bathroom Sink #1 FD, 5-21-16	Result(ppb):<2.0
Lab No.:5935736 Client No.:PA-26B	Location:Men's Bathroom Sink #1 FL, 5-21-16	Result(ppb):<2.0
Lab No.:5935737 Client No.:PA-27A	Location:Women's Bathroom Sink #1 FD, 5-21-16	Result(ppb):6.6
Lab No.:5935738 Client No.:PA-27B	Location:Women's Bathroom Sink #1 FL, 5-21-16	Result(ppb):<2.0
Lab No.:5935739 Client No.:PA-28A	Location:Women's Bathroom Sink #2 FD, 5-21-16	Result(ppb):4.1
Lab No.:5935740 Client No.:PA-28B	Location:Women's Bathroom Sink #2 FL, 5-21-16	Result(ppb):<2.0

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CERTIFICATE OF ANALYSIS

Client: Brinkerhoff Environmental Services Inc. Report Date: 6/7/2016
1805 Atlantic Avenue Report No.: 510344 - Lead Water
Manasquan NJ 08736 Project: Passaic Campus
Client: BRI493 Project No.: 14BR141S

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:5935741 Location:Men's Bathroom Sink #2 FD, 5-21-16 Result(ppb):<2.0
Client No.:PA-29A

Lab No.:5935742 Location:Men's Bathroom Sink #2 FL, 5-21-16 Result(ppb):<2.0
Client No.:PA-29B

Lab No.:5935743 Location:Men's Bathroom Sink #3 FD, 5-21-16 Result(ppb):2.6
Client No.:PA-30A

Lab No.:5935744 Location:Men's Bathroom Sink #3 FL, 5-21-16 Result(ppb):<2.0
Client No.:PA-30B

Lab No.:5935745 Location:Men's Bathroom Sink #4 FD, 5-21-16 Result(ppb):8.1
Client No.:PA-31A

Lab No.:5935746 Location:Men's Bathroom Sink #4 FL, 5-21-16 Result(ppb):<2.0
Client No.:PA-31B

Lab No.:5935747 Location:Staff Bathroom Sink #2 FD, 5-21-16 Result(ppb):<2.0
Client No.:PA-32A

Lab No.:5935748 Location:Staff Bathroom Sink #2 FL, 5-21-16 Result(ppb):<2.0
Client No.:PA-32B

Lab No.:5935749 Location:Field Blank, 5-21-16 Result(ppb):<2.0
Client No.:PA-33

Please refer to the Appendix of this report for further information regarding your analysis.

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CERTIFICATE OF ANALYSIS

Client: Brinkerhoff Environmental Services Inc. 1805 Atlantic Avenue Manasquan NJ 08736	Report Date: 6/7/2016 Report No.: 510344 - Lead Water Project: Passaic Campus Project No.: 14BR141S
Client: BRI493	

Appendix to Analytical Report:

Customer: Brinkerhoff Environmental Services Inc.
Address: 1805 Atlantic Avenue
Customer Contact: Jason Hooper
Analysis: AAS-GF - ASTM D3559-08D, USEPA 40CFR 141.11B, 2010

This appendix seeks to promote greater understanding of any observations, exceptions, special instructions, or circumstances that the laboratory needs to communicate to the client concerning the above samples. The information below is used to help promote your ability to make the most informed decisions for you and your customers. Please note the following points of contact for any questions you may have.

iATL Customer Service: customerservice@iatl.com
iATL Office Manager: cdavis@iatl.com
iATL Account Representative: Pete Lesniak
Sample Login Notes: See Batch Sheet Attached
Sample Matrix: Water
Exceptions Noted: See Following Pages

General Terms, Warrants, Limits, Qualifiers:

General information about iATL capabilities and client/laboratory relationships and responsibilities are spelled out in iATL policies that are listed at www.iATL.com and in our Quality Assurance Manual per ISO 17025 standard requirements. The information therein is a representation of iATL definitions and policies for turnaround times, sample submittal, collection media, blank definitions, quantification issues and limit of detection, analytical methods and procedures, sub-contracting policies, results reporting options, fees, terms, and discounts, confidentiality, sample archival and disposal, and data interpretation.

iATL warrants the test results to be of a precision normal for the type and methodology employed for each sample submitted. iATL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. iATL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by our Standard Terms and Conditions. Prices, methods and detection limits may be changed without notification. Please contact your Customer Service Representative for the most current information.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA LAP LLC, or any agency of local, state or province governments nor of any agency of the U.S. government.

This report shall not be reproduced except in full, without written approval of the laboratory.

Information Pertinent to this Report:

Analysis by AAS Graphite Furnace:
- ASTM D3559-08D, USEPA 40CFR 141.11B, 2010
- USEPA 200.9Pb, AAS-GF, RL <2 ppb/sample
- USEPA SW 846-7000B:7421 - Pb(AAS-GF, RL <2 ppb/sample)

Certification:
- NYS-DOH No. 11021
- NJDEP No. 03863

Regulatory limit for lead in drinking water is 15.0 parts per billion as cited in EPA 40 CFR 141.11 National Primary Drinking Water Regulations, Subpart B: Maximum contaminant levels for inorganic chemicals.

All results are based on the samples as received at the lab. iATL assumes that appropriate sampling methods have been used and that the data upon which these results are based have been accurately supplied by the client.

Sample results are not corrected for contamination by field or analytical blanks.

PPB = Parts per billion. 1 µg/L = 1 ppb MDL = 0.24 PPB Reporting Limit (RL) = 2.0 PPB

Disclaimers / Qualifiers:

There may be some samples in this project that have a "NOTE:" associated with a sample result. We use added disclaimers or qualifiers to inform the client about something that requires further explanation. Here is a complete list with highlighted disclaimers pertinent to this project. For a full explanation of these and other disclaimers, please inquire at customerservice@iatl.com.

Water Sample Turbidity greater than 1.0 NTU does not meet Federal and NJ State Primary & Secondary Drinking Water Standards.



9000 Commerce Parkway, Suite B • Mount Laurel, NJ 08054
 Phone: 877-428-4285/856-231-9449 • Fax: 856-231-9818

Chain of Custody

Contact Information <i>Brinkerhoff</i>	
Client Company: <i>Environmental Services</i>	Project Number: <i>14BR1415</i>
Office Address: <i>1805 Atlantic Avenue</i>	Project Name: <i>Passaic Campus</i>
City, State, Zip: <i>Manasquan, NJ 08736</i>	Primary Contact: <i>Gary Fleming</i>
Fax Number: <i>732-223-3666</i>	Office Phone: <i>732-223-2225</i>
Email Address: <i>Hazmat Group</i>	Cell Phone: _____

Matrix:	
Air <input type="checkbox"/>	Soil <input type="checkbox"/>
Water <input checked="" type="checkbox"/>	Paint <input type="checkbox"/>
	Surface Dust / Wipe <input type="checkbox"/>
	Bulk <input type="checkbox"/>
	Other <input type="checkbox"/>
E-MAILED <i>6/8/16 AD</i>	
Analysis Method:	
<input type="checkbox"/> PCM: NIOSH 7400	<input type="checkbox"/> PLM Use Bulk Asbestos Sample Log
<input type="checkbox"/> PCM: OSHA	<input type="checkbox"/> PLM: Bulk Asbestos EPA 600
<input type="checkbox"/> PCM: TWA	<input type="checkbox"/> PLM: Point Counting 198.1
<input type="checkbox"/> Total Dust: NIOSH 0500	<input type="checkbox"/> PLM: NOB via 198.6 (PLM only)
<input type="checkbox"/> Total Dust: NIOSH 0600	<input type="checkbox"/> If <1% by PLM, to TEM via 198.4 2
<input type="checkbox"/> AAS: Lead in Air	<input type="checkbox"/> TEM: AHERA
<input checked="" type="checkbox"/> AAS: Lead in Water	<input type="checkbox"/> TEM: NIOSH 7402
<input type="checkbox"/> AAS: Lead in Paint	<input type="checkbox"/> TEM: ISO 10312
<input type="checkbox"/> AAS: Lead Dust/Wipe ₁	<input type="checkbox"/> TEM: ISO 13794
<input type="checkbox"/> AAS: Lead in Soil	<input type="checkbox"/> TEM: Wipe ASTM 6480
<input type="checkbox"/> AAS: TCLP	<input type="checkbox"/> TEM: Microvac ASTM D5755
<input type="checkbox"/> AAS: Metals [Cd, Zn, Cr-circle]	<input type="checkbox"/> TEM: Microvac ASTM D5756
	<input type="checkbox"/> TEM: NOB 198.4
	<input type="checkbox"/> TEM: Bulk Analysis
	<input type="checkbox"/> TEM: Potable Water
	<input type="checkbox"/> TEM: Non-Potable Water
	<input type="checkbox"/> TEM: Other _____
	<input type="checkbox"/> Soil: Call for Available Methods
<small>1- Requires ASTM acceptable material 2- Call to confirm TAT 3- Non-culturable 4- With Non-fungal Microscopic Exam</small>	
Special Instructions:	

Turnaround Time	
Preliminary Results Requested Date: _____	<input type="checkbox"/> Verbal <input checked="" type="checkbox"/> Email <input type="checkbox"/> Fax
Specific date / time	
<input type="checkbox"/> 10 Day <input checked="" type="checkbox"/> 5 Day <input type="checkbox"/> 3 Day <input type="checkbox"/> 2 Day <input type="checkbox"/> 1 Day* <input type="checkbox"/> 12 Hour** <input type="checkbox"/> 6 Hour** <input type="checkbox"/> RUSH**	
<small>* End of next business day unless otherwise specified. ** Matrix Dependent. ***Please notify the lab before shipping***</small>	

Shipping Method	
<input type="checkbox"/> FedEx	<input type="checkbox"/> UPS
<input type="checkbox"/> USPS	<input type="checkbox"/> Other _____

Chain of Custody	
Relinquished (Name/Organization): <i>Matthew</i>	Date: <i>5/23/16</i>
Received (Name / iATL): <i>J. Chaudhry</i>	Date: <i>5/23/16</i>
Sample Login (Name / iATL): _____	Date: <i>5/23/16</i>
Analyst (Name(s) / iATL): _____	Date: _____
QA/QC Review (Name / iATL): _____	Date: <i>6/8/16</i>
Archived / Released: _____	Date: _____
QA/QC Inter-LAB Use: _____	Date: _____

RECEIVED

MAY 23 2016

IATL - By *[Signature]*

Sample Log

Brinkerhoff - Environmental Lead -
Client: *Environmental Services* Project: *14BR/415*
Sampling Date/Time: *5/21/16*

Client Sample #	iATL #	Location/Description	Flow Rate	Start End	Sampling time (min)	Area (ft2) Volume (L)	Results ()
PA-09A	5935701	Kitchen- Slap Sink FD			8:03am	250L m	
PA-09B	5935702	Kitchen- Slap Sink FL			8:03am		
PA-10A	5935703	Lobby Bathroom Sink FD			8:09am		
PA-10B	5935704	Lobby Bathroom Sink FL			8:09am		
PA-11A	5935705	Staff Bathroom Sink #1 FD			8:22am		
PA-11B	5935706	Staff Bathroom Sink #1 FL			8:22am		
PA-12A	5935707	Janitor's Closet Sink FD			8:27am		
PA-12B	5935708	Janitor's Closet Sink FL			8:28am		
PA-13A	5935709	Room 108-1st Bathroom Sink FD			8:32am		
PA-13B	5935710	Room 108-1st Bathroom Sink FL			8:32am		
PA-14A	5935711	Room 108-2nd Bathroom Sink FD			8:35am		
PA-14B	5935712	Room 108-2nd Bathroom Sink FL			8:35am		
PA-15A	5935713	Room 107-1st Bathroom Sink FD			8:42am		
PA-15B	5935714	Room 107-1st Bathroom Sink FL			8:42am		
PA-16A	5935715	Room 107-2nd Bathroom Sink FD			8:44am	↓	

* = Insufficient Sample Provided to Perform QC Reanalysis (<200mg)

** = Insufficient Sample Provided to Analyze (<50mg) *** = Matrix / Substrate Interference Possible

FB = Method Requires the submittal of blank(s). ML = Multi Layered Sample. May result in inconsistent results.

These preliminary results are issued by iATL to expedite procedures by clients based upon the above data. iATL assumes that all of the sampling methods and data upon which these results are based, has been accurately supplied by the client. These results may not have been reviewed by the Laboratory Director. Final Certificate of Analysis will follow these preliminary results. The signed COA is to be considered the official results. All EPA, HUD, and NJDEP conditions apply.

Sample Log

Brinkerhoff -Environmental Lead -
Client: Environmental Services Project: 14BR141S
Sampling Date/Time: 5/21/16

Client Sample #	iATL #	Location/ Description	Flow Rate	Start End	Sampling time (min)	Area (ft2) Volume (L)	Results ()
PA-16B	5935716	Room 107-2nd Bathroom Sink FL			8:44am	250L m	
PA-17A	5935717	Room 108- Center Sink FD			8:51am		
PA-17B	5935718	Room 108- Center Sink FL			8:51am		
PA-18A	5935719	Room 107- Center Sink FD			8:53 am		
PA-18B	5935720	Room 107- Center Sink FL			8:53 am		
PA-19A	5935721	Room 113-1st Bathroom Sink FD			8:57 am		
PA-19B	5935722	Room 113-1st Bathroom Sink FL			8:58 am		
PA-20A	5935723	Room 113-2nd Bathroom Sink FD			8:59 am		
PA-20B	5935724	Room 113-2nd Bathroom Sink FL			8:59 am		
PA-21A	5935725	Room 114-1st Bathroom Sink FD			9:05am		
PA-21B	5935726	Room 114-1st Bathroom Sink FL			9:06am		
PA-22A	5935727	Room 118- Sink FD			9:27am		
PA-22B	5935728	Room 118- Sink FL			9:27am		
PA-23A	5935729	Room 119- Sink FD			9:33 am		
PA-23B	5935730	Room 119- Sink FL			9:33 am	✓	

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Sample Log

Brinkerhoff -Environmental Lead-

Client: *Environmental Services* Project: *14BR/41S*

Sampling Date/Time: *5/21/16*

Client Sample #	iATL #	Location/ Description	Flow Rate	Start End	Sampling time (min)	Area (ft2) Volume (L)	Results ()
PA-24A	5935731	Room 120- Sink FD			9:30am	250L	
PA-24B	5935732	Room 120 Sink FL			9:30am		
PA-25A	5935733	Room 121- Sink (Retest) FD			9:35 am		
PA-25B	5935734	Room 121- Sink (Retest) FL			9:36 am		
PA-26A	5935735	Men's Bathroom Sink #1 FD			10:03 am		
PA-26B	5935736	Men's Bathroom Sink #1 FL			10:04 am		
PA-27A	5935737	Women's Bathroom Sink #1 FD			10:09am		
PA-27B	5935738	Women's Bathroom Sink #1 FL			10:10am		
PA-28A	5935739	Women's Bathroom Sink #2 FD			10:14am		
PA-28B	5935740	Women's Bathroom Sink #2 FL			10:15am		
PA-29A	5935741	^(MIA) Women's/Men's Bathroom Sink #2 FD			10:17am		
PA-29B	5935742	Men's Bathroom Sink #2 FL			10:18am		
PA-30A	5935743	Men's Bathroom Sink #3 FD			10:20am		
PA-30B	5935744	Men's Bathroom Sink #3 FL			10:20am		
PA-31A	5935745	Men's Bathroom Sink #4 FD			10:23 am	↓	

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** = Insufficient Sample Provided to Analyze (<50mg) *** = Matrix / Substrate Interference Possible

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Sample Log

Brinkerhoff - Environmental Lead -
Client: Environmental Services Project: 14BR1415
Sampling Date/Time: 5/21/16

Client Sample #	iATL #	Location/ Description	Flow Rate	Start End	Sampling time (min)	Area (ft ²) Volume (L)	Results ()
PA-31B	5935746	Mens Bathroom Sink #4 FL			10:23 am	250L m	
PA-32A	5935747	Staff Bathroom Sink #2 FD			10:27am	↓	
PA-32B	5935748	Staff Bathroom Sink #2 FL			10:27 am		
PA-33	5935749	Field Blank			10:31am	↓	
<i>analyzed: PMA 5/24/16 1:20 pm</i>							

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International Asbestos
Testing Laboratories

9000 Commerce Parkway, Suite B, Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

INFO@IATL.COM

DAILY QUALITY CONTROL DATA

LEAD SAMPLE ANALYSIS

(DATE: 06 / 08 / 16)

Standard	Total Lead (mg)	Percent Recovery **
Reagent Blank	0.000	< LOQ
Blank Spike	0.500	97
Lab Control Std	1.350	94
Matrix Spike - LBP *	0.39	99
Matrix Spike - Wipe *	0.34	94
Matrix Spike - Soil *	0.362	98
Matrix spike - Air *	0.050	92
2.5 ppm Standard	0.25	102
10.0 ppm Standard	1.0	100
40.0 ppm Standard	4.0	99

AIHA-LAP, LLC No. 100188

NYSDOH-ELAP No. 11021

Analysis Method: ASTM D3335-85A
NIOSH 7082
EPA SW846 3050B 7000B

Comments: IATL assumes that all sampling complies with accepted methods.
All client supplied sampling data is assumed to be correct when calculating results.
Detection limit based upon 0.2 mg/L reporting limit and sample size.
* NIST Traceable.
** 80-120% acceptable limits.

Analyzed By: Chad Shaffer

R. Chad Shaffer

Date: 6/8/16

Approved By: [Signature]

Frank E Ehrenfeld, III
Laboratory Director