PARS
Environmental
Inc.

LEAD IN DRINKING WATER TESTING REPORT

WOODBRIDGE TWP. SCHOOL DISTRICT
WOODBINE AVENUE SCHOOL
89 WOODBINE AVENUE
AVENEL, NEW JERSEY 07001

PREPARED FOR:

Woodbridge Township School District
PO Box 428
School Street
Woodbridge, New Jersey 07095

PREPARED BY:

PARS Environmental, Inc.
500 Horizon Drive, Suite 540
Robbinsville, New Jersey 08691
Tel: 609-890-7277
Fax: 609-890-9116

PARS Project No. 1135-01

June 2016

TABLE OF CONTENTS

EXECUTIVE SUMMARY

PARS Environmental, Inc. (PARS) was retained by the Woodbridge Township School District (District) to conduct lead in drinking water testing at the Woodbine Avenue School (Woodbine). PARS conducted the lead in drinking water testing on May 3, 2016. The purpose of the investigation was to test for lead in drinking water in the building. The water samples were collected from strategic high priority locations throughout the school, as recommended in the United States Environmental Protection Agency (USEPA) *3Ts for Reducing Lead in Drinking Water in Schools: Revised Technical Guidance (USEPA 3Ts)*. PARS collected the water samples from drinking fountains located throughout the school. The sample collection took place in the morning prior to the facility opening and before any water was drawn.

FINDINGS

The USEPA National Primary Drinking Water Regulations requires that immediate action be taken if samples from any drinking water outlet exhibit lead concentrations greater than 15 micrograms per liter (µg/l). A total of nineteen (19) water samples were collected and analyzed. An exceedance of the 15 µg/l action level was identified in the following location:

- Drinking Water Fountain Room A3

Based on the laboratory analytical results, PARS recommends immediate corrective actions at this location (i.e., take out of service, install appropriate filtration, replace fixture, retest, etc.). PARS further recommends future periodic testing per state and federal regulations.

1.0 INTRODUCTION

PARS Environmental, Inc. (PARS) was retained by the Woodbridge Township School District (District) to conduct lead in drinking water testing at the Woodbine Avenue School (Woodbine). The purpose of the investigation was to test for lead in drinking water in the building. The water samples were collected from strategic high priority locations throughout the school, as recommended in the *USEPA 3Ts*. PARS collected the water samples from drinking fountains throughout the school. The sample collection took place in the morning prior to the facility opening and before any water was drawn.

Sampling methodology is described in Section 2.0, the Lead in Drinking Water Findings are discussed in Section 3.0, and the Conclusions and Recommendations are presented in Section 4.0. A list of the sample locations and results are provided in **Table 1**. The Laboratory Analytical Report and Laboratory NJDEP Certification are provided in **Appendix A** and **B**, respectively.

This report is intended for the sole use of the District. The scope of services performed in execution of this evaluation may not be appropriate to satisfy the needs of other users, and use or re-use of this document or the findings, conclusions, or recommendations, is at risk of said user.

2.0 LEAD IN DRINKING WATER SAMPLING

PARS conducted lead in drinking water testing at Woodbine on May 3, 2016. The lead in drinking water sampling was conducted by Rafael Torres and Jessica Perrini of PARS.

PARS performed lead in drinking water testing at a total of nineteen (19) drinking water fountains (bubbler and cooler units) in the elementary school.

All samples were collected following the USEPA First Draw sampling protocol. The First Draw sample collection occurred in the morning prior to the facility opening and before any water was drawn in the building, including toilet flushing. The water was unused for six (6) to eight (8) hours prior to collection. Arrangements were made to sample the water outlets prior to the arrival of teachers and students.

The samples were placed in pre-preserved plastic bottles and submitted for laboratory analysis to International Asbestos Testing Laboratories (IATL) of Mount Laurel, New Jersey for a two-week turnaround. IATL is a New Jersey Department of Environmental Protection (NJDEP) certified laboratory for lead in drinking water (#03863). All samples were analyzed using USEPA Method 200.8 for the determination of trace elements in waters and wastes by inductively coupled plasma – mass spectrometry (ICP-MS). Chain-of-custody protocols were followed.

3.0 LEAD IN DRINKING WATER FINDINGS

Based on the laboratory analytical results, lead concentrations exceeding 15 µg/l action level was identified in one (1) of the nineteen (19) water samples collected at Woodbine.

An exceedance of the 15 µg/l action level was identified in the following location:

- Drinking Water Fountain Room A3

Lead in drinking water tabulated results for the Woodbine are provided in **Table 1**. The laboratory analytical report is included in **Appendix A.** The laboratory certification is included in **Appendix B**.

4.0 CONCLUSIONS AND RECOMMENDATIONS

A total of nineteen (19) drinking water fountains were tested at the Woodbine Avenue School. The USEPA recommends that action be taken if samples from any drinking water outlet exhibit lead concentrations greater than 15 µg/l. An exceedance of the 15 µg/l action level was identified in the following location:

- Drinking Water Fountain Room A3

Based on the laboratory analytical results, PARS recommends immediate corrective actions at this location (i.e., take out of service, install appropriate filtration, replace fixture, retest, etc.). PARS further recommends future periodic testing per state and federal regulations.

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PARS appreciates the opportunity to assist Woodbridge Township School District with this project. Should you have any questions or comments please feel free to contact us at (609) 890-7277.

Respectfully submitted,

PARS ENVIRONMENTAL, INC.

Rafael L. Torres, III
Senior Industrial Hygienist

TABLE 1
DRINKING WATER RESULTS TABLE

TABLE 1
LEAD IN DRINKING WATER TESTING REPORT
WOODBRIDGE TOWNSHIP SCHOOL DISTRICT
WOODBINE AVENUE SCHOOL

Batch #	iATL Sample #	Customer Sample #	Project #	Project Name	Location	Concentration(1)	Dilution Factor(1)	Qualifier(1)	Results(1) in ppb
508841	5919252	WAS-1-HFR-DW-1-P	1135-01	Woodbine Avenue	Lead Water, 5-3-16	0.4	1	<	2
508841	5919253	WAS-1-A3-DW-1-P	1135-01	Woodbine Avenue	Lead Water, 5-3-16	9.8	2		20
508841	5919254	WAS-1-A4-DW-1-P	1135-01	Woodbine Avenue	Lead Water, 5-3-16	1	1	<	2
508841	5919255	WAS-1-A2-DW-1-P	1135-01	Woodbine Avenue	Lead Water, 5-3-16	0.3	1	<	2
508841	5919256	WAS-1-A1-DW-1-P	1135-01	Woodbine Avenue	Lead Water, 5-3-16	1	1	<	2
508841	5919257	WAS-1-H5G-DW-1-P	1135-01	Woodbine Avenue	Lead Water, 5-3-16	0.1	1	<	2
508841	5919258	WAS-1-C3-DW-1-P	1135-01	Woodbine Avenue	Lead Water, 5-3-16	3.6	1		3.6
508841	5919259	WAS-1-C4-DW-1-P	1135-01	Woodbine Avenue	Lead Water, 5-3-16	0.5	1	<	2
508841	5919260	WAS-1-C2-DW-1-P	1135-01	Woodbine Avenue	Lead Water, 5-3-16	1.8	1	<	2
508841	5919261	WAS-1-C1-DW-1-P	1135-01	Woodbine Avenue	Lead Water, 5-3-16	2.1	1		2.1
508841	5919262	WAS-1-H4G-DW-1-P	1135-01	Woodbine Avenue	Lead Water, 5-3-16	0.1	1	<	2
508841	5919263	WAS-1-B1-DW-1-P	1135-01	Woodbine Avenue	Lead Water, 5-3-16	0.1	1	<	2
508841	5919264	WAS-1-B2-DW-1-P	1135-01	Woodbine Avenue	Lead Water, 5-3-16	2.1	1		2.1
508841	5919265	WAS-1-B3-DW-1-P	1135-01	Woodbine Avenue	Lead Water, 5-3-16	0.4	1	<	2
508841	5919266	WAS-1-B4-DW-1-P	1135-01	Woodbine Avenue	Lead Water, 5-3-16	0.7	1	<	2
508841	5919267	WAS-1-K4-DW-1-P	1135-01	Woodbine Avenue	Lead Water, 5-3-16	0.7	1	<	2
508841	5919268	WAS-1-K2-DW-1-P	1135-01	Woodbine Avenue	Lead Water, 5-3-16	8.7	1		8.7
508841	5919269	WAS-1-K3-DW-1-P	1135-01	Woodbine Avenue	Lead Water, 5-3-16	2.4	1		2.4
508841	5919270	WAS-1-K1-DW-1-P	1135-01	Woodbine Avenue	Lead Water, 5-3-16	4	1		4

Client Sample ID Format: School-Floor-Room-Outlet-Sample Type

Floor:

B = Basement
01 = First floor
02 = Second floor

Exceeds 15 ppb

Room:

= Room number
###-### = Sample between room number ### and room ###
H### = Hallway by room number ###
BLR = Boy's locker room
CAF = Cafeteria
FR = Faculty room
GLR = Girl's locker room
KIT = Kitchen
MGYM = Main gym
MO = Main office
NUR = Nurse's office
SGYM = Small gym
TGL = Team girl's locker room
TL = Teacher's lounge
TP = Teacher's prep room
PLR = Pool Locker room
GU = Guidance Office

Outlet:

BF = Bathroom faucet
CF = Classroom faucet
DW= Drinking water bubbler
FP = Food preparation
EC = Home economics room, cold
KC = Kitchen faucet, cold
LC = Lounge faucet, cold
NS = Nurse's office sink
SC = Service Connection
TF or TS = Teacher's faucet or Teacher's sink
WC = Water cooler (chiller unit)
HS = Hand Sink

APPENDIX A
LABORATORY ANALYTICAL REPORT

iATL INTERNATIONAL
ASBESTOS TESTING LABORATORIES

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

CERTIFICATE OF ANALYSIS

Client: PARS Environmental
500 Horizon Drive, Suite 540
Robbinsville NJ 08691

Client: PAR559

Report Date: 6/15/2016
Report No.: 508841 - Lead Water
Project: Woodbine Avenue
Project No.: 1135-01

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:5919252 **Client No.:**WAS-1-HFR-DW-1-P	**Location:**Lead Water, 5-3-16	**Result(ppb):**<2.0
Lab No.:5919253 **Client No.:**WAS-1-A3-DW-1-P	**Location:**Lead Water, 5-3-16	**Result(ppb):**20
Lab No.:5919254 **Client No.:**WAS-1-A4-DW-1-P	**Location:**Lead Water, 5-3-16	**Result(ppb):**<2.0
Lab No.:5919255 **Client No.:**WAS-1-A2-DW-1-P	**Location:**Lead Water, 5-3-16	**Result(ppb):**<2.0
Lab No.:5919256 **Client No.:**WAS-1-A1-DW-1-P	**Location:**Lead Water, 5-3-16	**Result(ppb):**<2.0
Lab No.:5919257 **Client No.:**WAS-1-H5G-DW-1-P	**Location:**Lead Water, 5-3-16	**Result(ppb):**<2.0
Lab No.:5919258 **Client No.:**WAS-1-C3-DW-1-P	**Location:**Lead Water, 5-3-16	**Result(ppb):**3.6
Lab No.:5919259 **Client No.:**WAS-1-C4-DW-1-P	**Location:**Lead Water, 5-3-16	**Result(ppb):**<2.0
Lab No.:5919260 **Client No.:**WAS-1-C2-DW-1-P	**Location:**Lead Water, 5-3-16	**Result(ppb):**<2.0
Lab No.:5919261 **Client No.:**WAS-1-C1-DW-1-P	**Location:**Lead Water, 5-3-16	**Result(ppb):**2.1

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

Date Received: 5/3/2016
Date Analyzed: 6/15/2016 12:00:00 AM
Signature: Chad Shaffer
Analyst: Chad Shaffer

Approved By: Frank E. Ehrenfeld, III
Laboratory Director

iATL INTERNATIONAL
ASBESTOS TESTING LABORATORIES

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

CERTIFICATE OF ANALYSIS

Client: PARS Environmental
500 Horizon Drive, Suite 540
Robbinsville NJ 08691

Client: PAR559

Report Date: 6/15/2016
Report No.: 508841 - Lead Water
Project: Woodbine Avenue
Project No.: 1135-01

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:5919262 **Client No.:**WAS-1-H4G-DW-1-P	**Location:**Lead Water, 5-3-16	**Result(ppb):**<2.0
Lab No.:5919263 **Client No.:**WAS-1-B1-DW-1-P	**Location:**Lead Water, 5-3-16	**Result(ppb):**<2.0
Lab No.:5919264 **Client No.:**WAS-1-B2-DW-1-P	**Location:**Lead Water, 5-3-16	**Result(ppb):**2.1
Lab No.:5919265 **Client No.:**WAS-1-B3-DW-1-P	**Location:**Lead Water, 5-3-16	**Result(ppb):**<2.0
Lab No.:5919266 **Client No.:**WAS-1-B4-DW-1-P	**Location:**Lead Water, 5-3-16	**Result(ppb):**<2.0
Lab No.:5919267 **Client No.:**WAS-1-K4-DW-1-P	**Location:**Lead Water, 5-3-16	**Result(ppb):**<2.0
Lab No.:5919268 **Client No.:**WAS-1-K2-DW-1-P	**Location:**Lead Water, 5-3-16	**Result(ppb):**8.7
Lab No.:5919269 **Client No.:**WAS-1-K3-DW-1-P	**Location:**Lead Water, 5-3-16	**Result(ppb):**2.4
Lab No.:5919270 **Client No.:**WAS-1-K1-DW-1-P	**Location:**Lead Water, 5-3-16	**Result(ppb):**4.0

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

Date Received: 5/3/2016
Date Analyzed: 6/15/2016 12:00:00 AM
Signature:
Analyst: Chad Shaffer

Approved By:
Frank E. Ehrenfeld, III
Laboratory Director

iATL INTERNATIONAL
ASBESTOS TESTING LABORATORIES

9000 Commerce Parkway Suite B
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CERTIFICATE OF ANALYSIS

Client: PARS Environmental
500 Horizon Drive, Suite 540
Robbinsville NJ 08691

Client: PAR559

Report Date: 6/15/2016
Report No.: 508841 - Lead Water
Project: Woodbine Avenue
Project No.: 1135-01

Appendix to Analytical Report:

Customer: PARS Environmental
Address: 500 Horizon Drive, Suite 540
Customer Contact: Margaret Halasnik
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 OfficeManager: cdavis@iatl.com
iATL Account Representative: Shirley Clark
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.

iATL INTERNATIONAL
ASBESTOS TESTING LABORATORIES

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

Chain of Custody

– Environmental Lead –

Contact Information

Client Company:	PARS Environmental, Inc.	**Project Number:**	1135-01
Office Address:	500 Horizon Drive, Suite 540	**Project Name:**	Woodbine Avenue
City, State, Zip:	Robbinsville, NJ 08691	**Primary Contact:**	Rafael Torres
Fax Number:	609-890-9116	**Office Phone:**	609-890-7277
Email Address:	rtorres@parsenviro.com	**Cell Phone:**	609-254-8884

iATL is accredited by the National Lead Laboratory Accreditation Program (NLLAP) to perform analytical testing of environmental samples for lead (Pb). The accreditation is through AIHA-LAP, LLC and several other nationally recognized state programs.

Matrix/Method:

- ☐ Paint by AAS: ASTM D3335-85a, 2009
- ☐ Wipe/Dust by AAS: SW 846: 3050B: 700B, 2010
- ☐ Air by AAS: NIOSH 7082, 1994
- ☐ Soil by AAS: EPA SW 846 (Soil)
- ☑ Water by AAS-GF: ASTM D3559-03D, USEPA 40CFR 141.11B, 2010
- ☐ Other Metals (Cd, Zn, Cr) by AAS
- ☐ Toxicity Characteristic Leaching Procedure (TCLP) by AAS: USEPA 1311
- ☐ Other _____

E-MAILED 6/15/16 AO

Special Instructions:

_____

_____

Turnaround Time

Preliminary Results Requested Date: _____ (Specific date / time)

☐ Verbal ■ Email ☐ Fax

■ 10 Day ☐ 5 Day ☐ 3 Day ☐ 2 Day ☐ 1 Day* ☐ 12 Hour** ☐ 6 Hour** ☐ RUSH**

* End of next business day unless otherwise specified. ** Matrix Dependent. ***Please notify the lab before shipping***

Chain of Custody

Relinquished (Name/Organization):	Eric Thom / PARS	Date: 5/3/16	Time:
Received (Name / iATL):	Y. Colangelo	Date: 5-3-16	Time:
Sample Login (Name / iATL):		Date: 5/3/16	Time:
Analysis(Name(s) / iATL):		Date:	Time: MAY - 3
QA/QC Review (Name / iATL):	ML	Date: 6/15/16	Time:
Archived / Released: _____	QA/QC InterLAB Use: _____	Date:	Time:

RECEIVED 10 BY IATL

iATL INTERNATIONAL
ASBESTOS TESTING LABORATORIES

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

Sample Log

–Environmental Lead –

Client: PARS Environmental, Inc. Project: Woodbine Avenue

Sampling Date/Time: 5/3/16

Client Sample #	iATL #	Location/ Description	Flow Rate	Start End	Sampling time (min)	Area (ft2) Volume (L)	Results ( )
WAS-1-HFR-DW-1-P	5919252				0446		
WAS-1-A3-DW-1-P	5919253				0450		
WAS-1-A4-DW-1-P	5919254				0452		
WAS-1-A2-DW-1-P	5919255				0452		
WAS-1-A1-DW-1-P	5919256				0453		
WAS-1-H5G-DW-1-P	5919257				0454		
WAS-1-C3-DW-1-P	5919258				0455		
WAS-1-C4-DW-1-P	5919259				0458		
WAS-1-C2-DW-1-P	5919260				0459		
WAS-1-C1-DW-1-P	5919261				0500		
WAS-1-H4G-DW-1-P	5919262				0502		
WAS-1-B1-DW-1-P	5919263				0504		
WAS-1-B2-DW-1-P	5919264				0505		
WAS-1-B3-DW-1-P	5919265				0506		
WAS-1-B4-DW-1-P	5919266				0507		

** = 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.

iATL INTERNATIONAL
ASBESTOS TESTING LABORATORIES

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Phone: 877-428-4285/856-231-9449 • Fax: 856-231-9818

Sample Log

–Environmental Lead –

Client: PARS Environmental, Inc. Project: Woodbine Avenue

Sampling Date/Time: 5/3/16

Client Sample #	iATL #	Location/ Description	Flow Rate	Start End	Sampling time (min)	Area (ft2) Volume (L)	Results ( )
WAS-1-K4-DW-1-P	5919267				0508		
WAS-1-K2-DW-1-P	5919268				0510		
WAS-1-K3-DW-1-P	5919269				0513		
WAS-1-K1-DW-1-P	5919270				0512		

** = 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.

IATL 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 / 15 / 16)

Standard	Total Lead (mg)	Percent Recovery **
Reagent Blank	0.000	< LOQ
Blank Spike	0.500	101
Lab Control Std	1.060	94
Matrix Spike - LBP *	0.66	96
Matrix Spike - Wipe *	0.30	91
Matrix Spike - Soil *	0.318	105
Matrix spike - Air *	0.050	100
2.5 ppm Standard	0.25	99
10.0 ppm Standard	1.0	101
40.0 ppm Standard	4.0	98

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: 6/15/16

Approved By:
Frank E. Ehrenfeld, III
Laboratory Director

APPENDIX B
LABORATORY CERTIFICATION

State of New Jersey

Department of Environmental Protection

Certifies That

International Asbestos Testing Laboratories

Laboratory Certification ID # 03863

having duly met the requirements of the

Regulations Governing the Certification of
Laboratories and Environmental Measurements N.J.A.C. 7:18 et. seq.

is hereby approved as a

State Certified Environmental Laboratory

to perform the analyses as indicated on the Annual Certified Parameter List
which must accompany this certificate to be valid

Expires June 30, 2016

Joseph F. Aiello
Assistant Director

THIS CERTIFICATE IS TO BE CONSPICUOUSLY DISPLAYED AT THE LABORATORY WITH THE ANNUAL CERTIFIED PARAMETER LIST IN A LOCATION ON THE PREMISES VISIBLE TO THE PUBLIC

New Jersey Department of Environmental Protection

Environmental Laboratory Certification Program

ANNUAL CERTIFIED PARAMETER LIST AND CURRENT STATUS

Effective as of 09/30/2015 until 06/30/2016

Laboratory Name: INTERNATIONAL ASBESTOS TESTING LABORATORIES Laboratory Number: 03863 Activity ID: SLC150001
9000 COMMERCE PKWY STE B
Mount Laurel, NJ 08054

Category: AE03 -- Asbestos Analysis

Status	Code	Matrix	Technique Description	Approved Method	Parameter Description
Certified	AE03 .00010	AE	Phase Contrast Microscopy	[OTHER NIOSH 7400]	Asbestos

Category: DW05 -- Asbestos Analysis

Status	Code	Matrix	Technique Description	Approved Method	Parameter Description
Certified	DW05 .00001	DW	Transmission Electron Microscopy	[EPA 100.1]	Asbestos
Certified	DW05 .00010	DW	Transmission Electron Microscopy	[EPA 100.2]	Asbestos

Category: DW06 -- Metals

Status	Code	Matrix	Technique Description	Approved Method	Parameter Description
Certified	DW06 .00340	DW	Graphite Furnace	[ASTM D3559 (D)]	Lead

Category: SCM04 -- Asbestos Analysis

Status	Code	Matrix	Technique Description	Approved Method	Parameter Description
Applied	SCM04.00010	SCM	Polarized Light Microscopy	[EPA 600/R-93-116]	Asbestos
Applied	SCM04.00070	SCM	Transmission Electron Microscopy	[EPA 600/R-93-116]	Asbestos

Joseph F. Aiello, Manager

KEY: AE = Air and Emissions, BT = Biological Tissues, DW = Drinking Water, NPW = Non-Potable Water, SCM = Solid and Chemical Materials

State of New Jersey
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF QUALITY ASSURANCE
401 E. State Street
P.O. Box 420, Mail Code 401-02D
Trenton, NJ 08625-0420
TEL: # (609) 292-3950
FAX # (609) 777-1774

CHRIS CHRISTIE
Governor

KIM GUADAGNO
Lt. Governor

BOB MARTIN
Commissioner

FRANK EHRENFELD
INTERNATIONAL ASBESTOS TESTING LABORATORIES
9000 COMMERCE PKWY STE B
MOUNT LAUREL, NJ 08054
Lab ID # 03863

Dear Laboratory Manager:

A Certificate and an Annual Certified Parameter List (ACPL) that reflects the current status of your facility are enclosed. If there are any discrepancies, please contact your Laboratory Certification Officer to verify information and make arrangements for a new ACPL. Effective with the receipt of this letter, your facility's certification status is valid through June 30, 2016. Both the ACPL and Certificate should be conspicuously displayed at your facility in a location on the premises that is visible to the public.

As always, we are available to discuss any comments or questions. Please do not hesitate to contact your laboratory certification officer or me.

Sincerely,

Michele M. Potter

Michele Potter
Environmental Specialist 4

Enclosures