



Environmental  
& Remediation &  
Management, Inc.

20-10 Maple Ave, Bldg. 35E  
Fair Lawn, NJ 07410  
Tele: (973) 949-3525  
Fax: (973) 949-3526  
Email: ermnj@aol.com

CLIENT: Cranford Board of Education Pr. No.: 1022-412

PROJECT: Orange Avenue School Follow up Lead (Pb) in water sampling

FIELD TECHNICIANS: Polina Shchutckaia

REPORT DATE: August 18, 2017 REVISED DATE: August 18, 2017

Environmental Remediation & Management, Inc. was contacted by Cranford Board of Education to conduct a Follow up Lead (Pb) in water sampling at Orange Avenue School.

Polina Shchutckaia, an environmental field technician with ER&M, arrived at the project site on August 10, 2017 prior to School's employees and occupants arrival and proceeded to collect water samples from designated drinking fountains. Sampling was performed using the guidelines of New Jersey State Department of Education Amendments and New Rules to N. J. A. C. 6A:26, Educational Facilities Lead (Pb) in Drinking Water Immediate Testing issued on July 13, 2016.

Samples were analyzed at International Asbestos Testing Laboratories (IATL), New Jersey (NJDEP No.: 03863). Analytical method was Lead in Water by AAS Graphite Furnace (ASTM D3559-08D, USEPA 40 CFR 141.11B, 2010).

None of the samples within the Orange Avenue School came back at or above the recommended 'action level' as established by The United States Environmental Protection Agency (USEPA) of 15 parts per billion (ppb). At this time no additional preventive steps need to be taken for those sampled outlets.

If you have any questions, or if we could be of any further assistance, please feel free to contact our office. EnviroVision / ER&M looks forward to providing your home with the service and attention to detail you have come to expect from us.

Sincerely,

Guillermo M. Morales  
EnviroVision Consultants, Inc.  
Environmental Remediation & Management, Inc.

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## CERTIFICATE OF ANALYSIS

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**Client:** Environmental Remediation & Management, Inc.  
20-10 Maple Ave., Bldg. 35E  
Fair Lawn NJ 07410

**Report Date:** 8/15/2017  
**Report No.:** 543679 - Lead Water  
**Project:** 1022-412 Cranford BOE Orange School  
**Project No.:**

**Client:** ERM398

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## LEAD WATER SAMPLE ANALYSIS SUMMARY

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**Lab No.:**6312228  
**Client No.:**COA-FB

**Location:**Field Blank

**Result(ppb):**<2.00

**Lab No.:**6312229  
**Client No.:**COAF16

**Location:**Girl's Locker Rm

**Result(ppb):**<2.00

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

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**Date Received:** 8/10/2017

**Date Analyzed:** 08/14/2017

**Signature:** 

**Analyst:** Mark Stewart

**Approved By:** 

Frank E. Ehrenfeld, III  
Laboratory Director

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**Project No.:**

**Client:** ERM398

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## LEAD WATER SAMPLE ANALYSIS SUMMARY

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**Lab No.:** 6312230  
**Client No.:** COAF16-Flush


**Location:** Girl's Locker Rm


**Result(ppb):** <2.00

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

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**Date Received:** 8/10/2017  
**Date Analyzed:** 08/15/2017  
**Signature:**   
**Analyst:** Mark Stewart

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

## CERTIFICATE OF ANALYSIS

**Client:** Environmental Remediation & Management, Inc.,  
20-10 Maple Ave., Bldg. 35E  
Fair Lawn NJ 07410

**Client:** ERM398

**Report Date:** 8/15/2017

**Report No.:** 543679 - Lead Water

**Project:** 1022-412 Cranford BOE Orange School

**Project No.:**

### Appendix to Analytical Report:

**Customer Contact:** Guillermo Morales ermj@aol.nj

**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:** 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](http://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](mailto: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

– Environmental Lead –

Contact Information	
Client Company: <u>ER&amp;M</u>	Project Number: <u>1022-412 Cranford BOE</u>
Office Address: <u>20-10 Maple Ave, Bldg 35E</u>	Project Name: <u>Orange School</u>
City, State, Zip: <u>Fair Lawn, NJ 07410</u>	Primary Contact: <u>Willie Morales</u>
Fax Number: <u>943-636-9144</u>	Office Phone: <u>943-636-9145</u>
Email Address: <u>ermnj@aol.com</u>	Cell Phone: _____

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, US EPA 200.9  
 Other Metals (Cd, Zn, Cr) by AAS  
 Toxicity Characteristic Leaching Procedure (TCLP) by AAS: US EPA 1311  
 Other \_\_\_\_\_

**Special Instructions:**

\_\_\_\_\_

\_\_\_\_\_

**Turnaround Time**

Preliminary Results Requested Date: standard  Verbal  Email  Fax

AUG 15 2017

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): <u>Shchutkova/ER&amp;M</u>	Date: <u>08/10/2017</u> Time: _____
Received (Name / iATL): <u>Chris Weiss</u>	Date: <u>8/10/17</u> Time: <u>1:15 PM</u>
Sample Login (Name / iATL): _____	Date: _____ Time: _____
Analysis(Name(s) / iATL): _____	Date: <u>8/14/17</u> Time: _____
QA/QC Review (Name / iATL): _____	Date: _____ Time: _____
Archived / Released: _____	Date: _____ Time: _____

/s/



## DAILY QUALITY CONTROL DATA

### LEAD SAMPLE ANALYSIS

(DATE: 08 / 15 / 17)

Standard	Total Lead (mg)	Percent Recovery **
Reagent Blank	0.000	< LOQ
Blank Spike	0.500	99
Lab Control Std	1.780	102
Matrix Spike - LBP *	0.23	105
Matrix Spike - Wipe *	0.28	99
Matrix Spike - Soil *	0.325	92
Matrix spike - Air *	0.050	99
2.5 ppm Standard	0.25	100
10.0 ppm Standard	1.0	100
40.0 ppm Standard	4.0	100

AIHA-LAP, LLC No. 100188

NYSDOH-ELAP No. 11021

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

M. Stewart

Date:

Approved By:

Frank E. Ehrenfeld, III  
Laboratory Director

