

January 31, 2017

Mr. Michael Tambroni
North Tonawanda City School District
Director of Facilities
176 Walck Road
North Tonawanda, New York 14120

re: Investigation and Sampling of Drinking Water for Lead Concentrations

Dear Mr. Tambroni:

Included with this letter is Stohl Environmental LLC's report for the Water Sampling performed at the educational buildings of the North Tonawanda City School District, including:

- Ohio Elementary School, 625 Ohio Street, North Tonawanda, NY

This report is prepared to assist the District in complying with the requirements of NYS regulations, *SUBPART 67-4: Lead Testing in School Drinking Water*, by identifying the sources of potable water with lead concentrations greater than the NYS "Action Level of 15 parts per billion (ppb)".

The Investigation and Sampling was performed on 10/1/2016. The Protocol for the Investigation followed the requirements of NYS regulations as well as USEPA Technical Guidance Document "3-T's for Reducing Lead in Drinking Water in Schools".

As detailed in Section 1.2 (*Executive Summary*) of the accompanying report, based upon the sampling and analysis performed, 31 sources of potable water in Ohio Elementary School have been identified as having lead concentrations in water above the NYS Action Level of 15 parts per billion. To comply with NYS regulations, Response actions as identified in this report by the District are required.

Thank you for the opportunity to be of service to North Tonawanda City School District.

Sincerely,
Stohl Environmental, LLC.



William K. Sisco
Senior Project Manager

**Investigation and Sampling
Of Sources of Potable Water
For Lead Concentrations**

Prepared for:

**Mr. Michael Tambroni
North Tonawanda City School District
Director of Facilities
176 Walck Road
North Tonawanda, New York 14120**

Prepared by:



ENVIRONMENTAL CONSULTANTS - A MEMBER OF THE STOHL GROUP OF COMPANIES

4169 ALLENDALE PKWY. BUFFALO, NEW YORK 14219

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Conditions as of October 1, 2016

Summary Tabulation

Lead in Drinking Water Investigation

- 1.1. Scope of Work and Sampling Protocol
- 1.2. Executive Summary of Sampling and Analysis
- 1.3. Response Actions Required Under NYS Regulations
- 1.4. Laboratory Analytical Reports by Building
- 1.5. Laboratory Certifications
- 1.6. Chains of Custody

1.1 Sampling Protocol and Summary of Results:

Stohl Environmental was retained by North Tonawanda City School District to perform sampling and analysis of potable water for elevated lead concentrations. Sampling was performed in the following buildings:

- Ohio Elementary School, 625 Ohio Street, North Tonawanda, NY

Scope of Work:

Stohl Environmental was charged with collecting first-draw water samples from all outlets in Ohio Elementary School. Outlets are defined in NYS regulations as: “a potable water fixture currently or potentially used for drinking or cooking purposes, including but not limited to a bubbler, drinking fountain, or faucets”.

Sampling Protocol:

In accordance with NYS regulations, ***Subpart 67-4: Lead Testing in School Drinking Water***, and the EPA guidance document, ***‘3Ts for Reducing Lead in Drinking Water in Schools’***, Stohl Environmental’s protocol can be summarized as follows:

- **First-draw samples** of 250 milliliters (mL) were collected from cold water outlets before any water was used. Sampling was coordinated with District representatives to assure that water was motionless in the pipes for a minimum of 8 hours, but not more than 18 hours before sample collection.
- **Service Connection Sampling:** Samples were collected at the service connection as follows:
 - **Service Connection Sample:** As detailed in EPA guidance documents, this sample is not a first-draw sample. The cold water tap closest to the service connection was opened, and the sample was collected immediately after a change in water temperature was detected, or after 30 seconds.
 - **Water Main Sample:** This sample was collected at the same location as the Service Connection sample; however, it was collected after water was allowed to run an additional 3 minutes after the temperature change, but not more than 3 minutes and 30 seconds.
- **Laboratory Analysis:** Samples were submitted following strict chain-of-custody protocols to an independent laboratory approved by the NYS Department of Health’s Environmental Laboratory Approval Program (ELAP).

1.2 Executive Summary of Sampling and Analysis:

Total Number of Samples Collected by Building Classified by First Draw & Confirmatory Samples:

Building Name	Date of Sample Event	Total Number Samples Collected	First Draw Samples		Confirmatory Samples **	
			Number of Samples Below Action level of 15 ppb	Number of Samples Above Action Level of 15 ppb	Number of Samples Below Action level of 15 ppb	Number of Samples Above Action Level of 15 ppb
Ohio Elementary	10/1/16	109	78	31	0	0

** Confirmatory samples are samples collected subsequent to "Step 1" First Draw samples to verify initial findings of lead contamination, to assist in problem assessment to determine remediation and/or verify that lead levels are at or below action level post-remediation.

Note: Sample #: 448-6-67, Women's Bathroom Sink, was damaged during shipment to the lab and could not be analyzed.

Listing of Outlets Requiring Remediation

Locations of Outlets Analyzed above the NYS Action Level of 15 parts per billion based upon Analysis of First Draw Samples and Confirmatory Samples				
Sample #	Sample Type	Classroom or other Location	Fixture/Outlet type	Laboratory Analysis in ppb
448.6-3	First Draw	Room 113	Sink	3100
448.6-4	First Draw	Room 113	Bubbler	16.3
448.6-5	First Draw	Room 114	Sink	22.8
448.6-7	First Draw	Room 116	Sink	19.3
448.6-9	First Draw	Room 115	Sink	19.2
448.6-13	First Draw	Boys Locker Room, Right Sink	Sink	18.7
448.6-15	First Draw	Girls Locker Room, Sink right of Bubbler	Sink	15.9
448.6-23	First Draw	Room 118	Sink	49.6
448.6-25	First Draw	Room 117	Sink	41.5
448.6-27	First Draw	Room 120	Sink	22.8
448.6-28	First Draw	Room 120	Bubbler	15.1
448.6-29	First Draw	Room 119	Sink	23.8
448.6-33	First Draw	Room 121	Sink	16.8
448.6-39	First Draw	Room 123	Sink	18.5
448.6-43	First Draw	Room 127	Sink	27.2

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448.6-44	First Draw	Room 128	Sink	31.2
448.6-60	First Draw	Room 112	Sink	24.4
448.6-61	First Draw	Room 112	Bubbler	80.5
448.6-70	First Draw	Kitchen Sink Nozzle	Sink Nozzle	15.6
448.6-76	First Draw	Room 110	Sink	36.0
448.6-77	First Draw	Room 110	Bubbler	15.2
448.6-79	First Draw	Room 109, Left Sink	Sink	25.2
448.6-88	First Draw	Room 106, Right Sink	Sink	34.6
448.6-91	First Draw	Room 105, Right Sink	Sink	16.2
448.6-95	First Draw	Room 104	Bubbler	26.2
448.6-97	First Draw	Room 103, Left Sink	Sink	22.2
448.6-103	First Draw	Room 101, Right Sink	Sink	23.2
448.6-106	First Draw	Exterior Hose Bib, Outside Room 122	Hose Bib	74.0
448.6-108	First Draw	Exterior Hose Bib, Southwest Exterior	Hose Bib	101
448.6-109	First Draw	Exterior Hose Bib, Southern Courtyard	Hose Bib	308
448.6-110	First Draw	Exterior Hose Bib, Southern Courtyard	Hose Bib	700

1.3 Response Actions Required Under NYS Regulations, Section 67-4.4:

For outlets analyzed with a lead concentration in excess of the NYS Action Level, regulations require:

- (a) Prohibit use of the outlet until:
 - (1) a lead remediation plan is implemented to mitigate the lead level of such outlet; and
 - (2) test results indicate that the lead levels are at or below the action level;
- (b) provide building occupants with an adequate supply of potable water for drinking and cooking until remediation is performed;
- (c) report the test results to the local health department as soon as practicable, but no more than 1 business day after the school received the laboratory report; and
- (d) notify all staff and all persons in parental relation to students of the test results, in writing, as soon as practicable but no more than 10 business days after the school received the laboratory report.



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1.4 Laboratory Analytical Reports by Building

CERTIFICATE OF ANALYSIS

Client: Stohl Environmental
4169 Allendale Pkwy; Suite 100
Blasdell NY 14219

Report Date: 12/6/2016
Report No.: 521320 - Lead Water
Project: North Tonawanda CSD - Ohio Elementary School
10/1/16
Project No.: 2016L-448.6

Client: STO708

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.: 6051152 Client No.: 448.6-1 WMF	Location: Boiler Rm HB	Result(ppb): <2.00
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Lab No.: 6051153 Client No.: 448.6-2 WMTC	Location: Boiler Rm HB	Result(ppb): <2.00
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Lab No.: 6051154 Client No.: 448.6-3	Location: 113 S	Result(ppb): 3100
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Lab No.: 6051155 Client No.: 448.6-4	Location: 113 B	Result(ppb): 16.3
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Lab No.: 6051156 Client No.: 448.6-5	Location: 114 S	Result(ppb): 22.8
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Lab No.: 6051157 Client No.: 448.6-6	Location: 114 B	Result(ppb): 4.00
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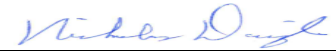
Lab No.: 6051158 Client No.: 448.6-7	Location: 116 S	Result(ppb): 19.3
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Lab No.: 6051159 Client No.: 448.6-8	Location: 116 B	Result(ppb): 5.60
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Lab No.: 6051160 Client No.: 448.6-9	Location: 115 S	Result(ppb): 19.2
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Lab No.: 6051161 Client No.: 448.6-10	Location: 115 B	Result(ppb): 8.00
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Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 10/6/2016
Date Analyzed: 12/06/2016
Signature: 
Analyst: Nick Daigle

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Stohl Environmental
4169 Allendale Pkwy; Suite 100
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Report Date: 12/6/2016
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LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:6051162 **Location:**Boys Locker Rm B **Result(ppb):**6.10
Client No.:448.6-11

Lab No.:6051163 **Location:**Boys Locker Rm S **Result(ppb):**13.8
Client No.:448.6-12

Lab No.:6051164 **Location:**Boys Locker Rm S **Result(ppb):**18.7
Client No.:448.6-13

Lab No.:6051165 **Location:**Girls Locker Rm B **Result(ppb):**5.30
Client No.:448.6-14

Lab No.:6051166 **Location:**Girls Locker Rm S **Result(ppb):**15.9
Client No.:448.6-15

Lab No.:6051167 **Location:**Girls Locker Rm S **Result(ppb):**10.2
Client No.:448.6-16

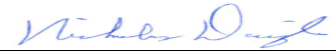
Lab No.:6051168 **Location:**Girl Restroom S **Result(ppb):**10.2
Client No.:448.6-17


Lab No.:6051169 **Location:**Girl Restroom S **Result(ppb):**9.60
Client No.:448.6-18

Lab No.:6051170 **Location:**Girl Restroom S **Result(ppb):**10.6
Client No.:448.6-19

Lab No.:6051171 **Location:**Girl Restroom S **Result(ppb):**3.80
Client No.:448.6-20

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

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Frank E. Ehrenfeld, III
Laboratory Director

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LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:6051172 **Location:**Girl Restroom S **Result(ppb):**4.40
Client No.:448.6-21

Lab No.:6051173 **Location:**Hallway Across From Girls Locker DF **Result(ppb):**2.30
Client No.:448.6-22

Lab No.:6051174 **Location:**118 S **Result(ppb):**49.6
Client No.:448.6-23

Lab No.:6051175 **Location:**118 B **Result(ppb):**8.20
Client No.:448.6-24

Lab No.:6051176 **Location:**117 S **Result(ppb):**41.5
Client No.:448.6-25

Lab No.:6051177 **Location:**117 B **Result(ppb):**7.00
Client No.:448.6-26

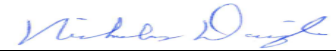
Lab No.:6051178 **Location:**120 S **Result(ppb):**22.8
Client No.:448.6-27


Lab No.:6051179 **Location:**120 B **Result(ppb):**15.1
Client No.:448.6-28

Lab No.:6051180 **Location:**119 S **Result(ppb):**23.8
Client No.:448.6-29

Lab No.:6051181 **Location:**119 B **Result(ppb):**6.10
Client No.:448.6-30

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LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:6051182 **Location:**122 S **Result(ppb):**14.0
Client No.:448.6-31

Lab No.:6051183 **Location:**122 B **Result(ppb):**7.40
Client No.:448.6-32

Lab No.:6051184 **Location:**121 S **Result(ppb):**16.8
Client No.:448.6-33

Lab No.:6051185 **Location:**121 B **Result(ppb):**5.50
Client No.:448.6-34

Lab No.:6051186 **Location:**124 S **Result(ppb):**13.2
Client No.:448.6-35

Lab No.:6051187 **Location:**124 B **Result(ppb):**6.90
Client No.:448.6-36

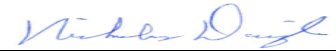
Lab No.:6051188 **Location:**126 S **Result(ppb):**14.0
Client No.:448.6-37


Lab No.:6051189 **Location:**126 B **Result(ppb):**11.9
Client No.:448.6-38

Lab No.:6051190 **Location:**123 S **Result(ppb):**18.5
Client No.:448.6-39

Lab No.:6051191 **Location:**123 B **Result(ppb):**7.00
Client No.:448.6-40

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LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:6051192 **Location:**125 S **Result(ppb):**8.90
Client No.:448.6-41

Lab No.:6051193 **Location:**125 B **Result(ppb):**7.00
Client No.:448.6-42

Lab No.:6051194 **Location:**127 S **Result(ppb):**27.2
Client No.:448.6-43

Lab No.:6051195 **Location:**128 S **Result(ppb):**31.2
Client No.:448.6-44

Lab No.:6051196 **Location:**Hallway DF **Result(ppb):**<2.00
Client No.:448.6-45

Lab No.:6051197 **Location:**Girls Bathroom S **Result(ppb):**<2.00
Client No.:448.6-46

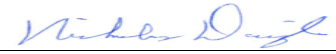
Lab No.:6051198 **Location:**Girls Bathroom S **Result(ppb):**<2.00
Client No.:448.6-47


Lab No.:6051199 **Location:**Boys Bathroom S **Result(ppb):**<2.00
Client No.:448.6-48

Lab No.:6051200 **Location:**Boys Bathroom S **Result(ppb):**<2.00
Client No.:448.6-49

Lab No.:6051201 **Location:**Women's Bathroom S **Result(ppb):**<2.00
Client No.:448.6-50

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LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:6051202 **Location:**Men's Bathroom S **Result(ppb):**<2.00
Client No.:448.6-51

Lab No.:6051203 **Location:**Boys Bathroom S **Result(ppb):**5.80
Client No.:448.6-52

Lab No.:6051204 **Location:**Boys Bathroom S **Result(ppb):**6.00
Client No.:448.6-53

Lab No.:6051205 **Location:**Boys Bathroom S **Result(ppb):**3.60
Client No.:448.6-54

Lab No.:6051206 **Location:**Boys Bathroom S **Result(ppb):**6.10
Client No.:448.6-55

Lab No.:6051207 **Location:**Boys Bathroom S **Result(ppb):**3.60
Client No.:448.6-56

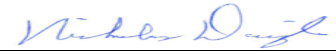
Lab No.:6051208 **Location:**Men's Bathroom S **Result(ppb):**8.00
Client No.:448.6-57


Lab No.:6051209 **Location:**Women's Bathroom S **Result(ppb):**4.50
Client No.:448.6-58

Lab No.:6051210 **Location:**Women's Bathroom S **Result(ppb):**6.70
Client No.:448.6-59

Lab No.:6051211 **Location:**112 S **Result(ppb):**24.4
Client No.:448.6-60

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

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LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:6051212
Client No.:448.6-61

Location:112 B

Result(ppb):80.5

Lab No.:6051213
Client No.:448.6-62

Location:Health Office S

Result(ppb):8.90

Lab No.:6051214
Client No.:448.6-63

Location:Health Office S

Result(ppb):<2.00

Lab No.:6051215
Client No.:448.6-64

Location:111 S

Result(ppb):5.70

Lab No.:6051216
Client No.:448.6-65

Location:Hallway DF

Result(ppb):<2.00

Lab No.:6051217
Client No.:448.6-66

Location:Main Office S

Result(ppb):7.90

Lab No.:6051218
Client No.:448.6-67

Location:Women's Bathroom S

Result(ppb):Sample Not Received

Lab No.:6051219
Client No.:448.6-68

Location:Men's Bathroom S

Result(ppb):6.80

Lab No.:6051220
Client No.:448.6-69

Location:Cafeteria DF

Result(ppb):3.50

Lab No.:6051221
Client No.:448.6-70

Location:Kitchen S Nozzle

Result(ppb):15.6

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

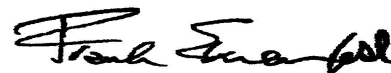
Date Received: 10/6/2016

Date Analyzed: 12/06/2016

Signature:

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LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:6051222 **Location:**Kitchen S **Result(ppb):**6.80
Client No.:448.6-71

Lab No.:6051223 **Location:**Kitchen S **Result(ppb):**<2.00
Client No.:448.6-72

Lab No.:6051224 **Location:**Kitchen Bathroom S **Result(ppb):**9.30
Client No.:448.6-73

Lab No.:6051225 **Location:**Kitchen Slop Sink **Result(ppb):**<2.00
Client No.:448.6-74

Lab No.:6051226 **Location:**Kitchen S **Result(ppb):**5.30
Client No.:448.6-75

Lab No.:6051227 **Location:**110 S **Result(ppb):**36.0
Client No.:448.6-76

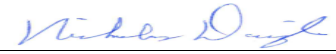
Lab No.:6051228 **Location:**110 B **Result(ppb):**15.2
Client No.:448.6-77


Lab No.:6051229 **Location:**110 S **Result(ppb):**8.40
Client No.:448.6-78

Lab No.:6051230 **Location:**109 S **Result(ppb):**25.2
Client No.:448.6-79

Lab No.:6051231 **Location:**109 B **Result(ppb):**8.90
Client No.:448.6-80

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Signature: 
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LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:6051232 **Location:**109 S **Result(ppb):**3.00
Client No.:448.6-81

Lab No.:6051233 **Location:**108 S **Result(ppb):**9.20
Client No.:448.6-82

Lab No.:6051234 **Location:**108 B **Result(ppb):**10.4
Client No.:448.6-83

Lab No.:6051235 **Location:**108 S **Result(ppb):**2.60
Client No.:448.6-84

Lab No.:6051236 **Location:**107 S **Result(ppb):**7.40
Client No.:448.6-85

Lab No.:6051237 **Location:**107 B **Result(ppb):**8.30
Client No.:448.6-86

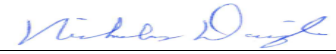
Lab No.:6051238 **Location:**107 S **Result(ppb):**2.40
Client No.:448.6-87


Lab No.:6051239 **Location:**106 S **Result(ppb):**34.6
Client No.:448.6-88

Lab No.:6051240 **Location:**106 B **Result(ppb):**8.00
Client No.:448.6-89

Lab No.:6051241 **Location:**106 S **Result(ppb):**6.90
Client No.:448.6-90

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

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LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.: 6051242 Client No.: 448.6-91	Location: 105 S	Result(ppb): 16.2
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Lab No.: 6051243 Client No.: 448.6-92	Location: 105 B	Result(ppb): 7.70
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Lab No.: 6051244 Client No.: 448.6-93	Location: 105 S	Result(ppb): 10.2
--	------------------------	--------------------------

Lab No.: 6051245 Client No.: 448.6-94	Location: 104 S	Result(ppb): 2.00
--	------------------------	--------------------------

Lab No.: 6051246 Client No.: 448.6-95	Location: 104 B	Result(ppb): 26.0
--	------------------------	--------------------------

Lab No.: 6051247 Client No.: 448.6-96	Location: 104 S	Result(ppb): 2.70
--	------------------------	--------------------------

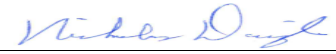
Lab No.: 6051248 Client No.: 448.6-97	Location: 103 S	Result(ppb): 22.2
--	------------------------	--------------------------


Lab No.: 6051249 Client No.: 448.6-98	Location: 103 B	Result(ppb): 11.5
--	------------------------	--------------------------

Lab No.: 6051250 Client No.: 448.6-99	Location: 103 S	Result(ppb): 8.50
--	------------------------	--------------------------

Lab No.: 6051251 Client No.: 448.6-100	Location: 102 S	Result(ppb): 8.60
---	------------------------	--------------------------

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

Date Received: 10/6/2016
Date Analyzed: 12/06/2016
Signature: 
Analyst: Nick Daigle

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Stohl Environmental
4169 Allendale Pkwy; Suite 100
Blasdell NY 14219

Report Date: 12/6/2016
Report No.: 521320 - Lead Water
Project: North Tonawanda CSD - Ohio Elementary School
10/1/16
Project No.: 2016L-448.6

Client: STO708

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:6051252 **Location:**102 B **Result(ppb):**9.10
Client No.:448.6-101

Lab No.:6051253 **Location:**102 S **Result(ppb):**9.90
Client No.:448.6-102

Lab No.:6051254 **Location:**101 S **Result(ppb):**23.2
Client No.:448.6-103

Lab No.:6051255 **Location:**101 B **Result(ppb):**10.7
Client No.:448.6-104

Lab No.:6051256 **Location:**101 S **Result(ppb):**10.8
Client No.:448.6-105

Lab No.:6051257 **Location:**Exterior HB **Result(ppb):**74.0
Client No.:448.6-106

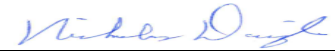
Lab No.:6051258 **Location:**Exterior HB **Result(ppb):**9.40
Client No.:448.6-107


Lab No.:6051259 **Location:**Exterior HB **Result(ppb):**101
Client No.:448.6-108

Lab No.:6051260 **Location:**Exterior HB **Result(ppb):**308
Client No.:448.6-109

Lab No.:6051261 **Location:**Exterior HB **Result(ppb):**700
Client No.:448.6-110

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

Date Received: 10/6/2016
Date Analyzed: 12/06/2016
Signature: 
Analyst: Nick Daigle

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Stohl Environmental
4169 Allendale Pkwy; Suite 100
Blasdell NY 14219

Client: STO708

Report Date: 12/6/2016
Report No.: 521320 - Lead Water
Project: North Tonawanda CSD - Ohio Elementary
School 10/1/16
Project No.: 2016L-448.6

Appendix to Analytical Report:

Customer Contact: Lab Results Final

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 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.



4169 Allendale Parkway
Buffalo, New York 14219
(P) 716-312-0070 (F) 716-312-8092
www.stohlenvironmental.com

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1.5 Laboratory Certifications



Department of Health

ANDREW M. CUOMO
Governor

HOWARD A. ZUCKER, M.D., J.D.
Commissioner

SALLY DRESLIN, M.S., R.N.
Executive Deputy Commissioner

LAB ID: 11021

April 01, 2016

MR. FRANK E. EHRENFELD III
INTERNATIONAL ASBESTOS TESTING LABS
9000 COMMERCE PARKWAY
SUITE B
MT LAUREL, NJ 08054

Certificate Expiration Date:
April 01, 2017

Dear Mr. Ehrenfeld Iii,

Enclosed are certificate(s) of approval issued to your environmental laboratory for the current permit year. The certificate(s) supersede(s) any previously issued one(s) and is(are) in effect through the expiration date listed. Please carefully examine the certificate(s) to insure that the categories, subcategories, analytes, and methods for which your laboratory is approved are correct. In addition, verify that your laboratory's name, address, lead technical director, and identification number are accurate.

Pursuant to NYCRR Subpart 55-2.2, original certificates must be posted conspicuously in the laboratory and copies shall be made available to any client of the laboratory upon request.

Pursuant to NYCRR Subpart 55-2.6, any misrepresentation of the fields of accreditation (category - method - analyte) for which your laboratory is approved may result in denial, suspension, or revocation of your certification. Any use of the Environmental Laboratory Approval Program (ELAP) or National Environmental Laboratory Accreditation Program (NELAP) name, reference to the laboratory's approval status, and/or using the NELAP logo in any catalogs, advertising, business solicitations, proposals, quotations, laboratory analytical reports, or other materials must include the laboratory's ELAP identification number and distinguish between testing for which the laboratory is approved and testing for which the laboratory is not approved.

If you have any questions, please contact ELAP at the New York State Department of Health (NYS DOH), Wadsworth Center, PO Box 509, Albany NY, 12201-0509; by phone at (518) 485-5570; by facsimile at (518) 485-5568; and by email at elap@health.ny.gov.

Sincerely,

Michael P. Ryan, M.T. (ASCP), Ph.D.
Director, Division of Laboratory Quality Certification
Environmental Laboratory Approval Program

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2017
Issued April 01, 2016

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. FRANK E. EHRENFELD III
INTERNATIONAL ASBESTOS TESTING LABS
9000 COMMERCE PARKWAY SUITE B
MOUNT LAUREL, NJ 08054

NY Lab Id No: 11021

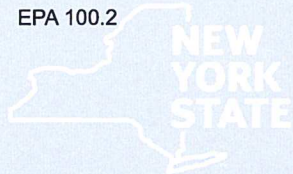
is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES POTABLE WATER
All approved subcategories and/or analytes are listed below:

Metals I

Lead, Total ASTM D3559-90, 96, 03 & 08 (D)

Miscellaneous

Asbestos EPA 100.1
EPA 100.2



Department
of Health

Serial No.: 54134

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2017
Issued April 01, 2016

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. FRANK E. EHRENFELD III
INTERNATIONAL ASBESTOS TESTING LABS
9000 COMMERCE PARKWAY SUITE B
MOUNT LAUREL, NJ 08054

NY Lab Id No: 11021

*is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:*

Characteristic Testing

TCLP EPA 1311

Metals I

Lead, Total EPA 7000B

Miscellaneous

Asbestos in Friable Material Item 198.1 of Manual
EPA 600/M4/82/020
Asbestos in Non-Friable Material-PLM Item 198.6 of Manual (NOB by PLM)
Asbestos in Non-Friable Material-TEM Item 198.4 of Manual
Lead in Dust Wipes EPA 7000B
Lead in Paint EPA 7000B

Sample Preparation Methods

EPA 3050B

Serial No.: 54135

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2017
Issued April 01, 2016

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. FRANK E. EHRENFELD III
INTERNATIONAL ASBESTOS TESTING LABS
9000 COMMERCE PARKWAY SUITE B
MOUNT LAUREL, NJ 08054

NY Lab Id No: 11021

*is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES AIR AND EMISSIONS
All approved subcategories and/or analytes are listed below:*

Metals I

Lead, Total NIOSH 7082

Miscellaneous

Asbestos 40 CFR 763 APXA No. III

NIOSH 7402

Fibers

NIOSH 7400 A RULES

NEW
YORK
STATE

Department
of Health

Serial No.: 54136

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ENVIRONMENTAL CONSULTANTS

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(P) 716-312-0070 (F) 716-312-8092
www.stohlenvironmental.com

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1.6 Chains of Custody



Chain of Custody Document

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4169 ALLENDALE PKWY. BUFFALO, NEW YORK 14219
(716) 312-0070 (716) 312-8092
www.stohlenvironmental.com

Submitted to: (Lab Name) IATL

STOHL Job # 2016L-448.6

Client: North Tonawanda CSD

Contact: Mark Rampado

Building: Ohio Elementary School

Location: 625 Ohio Street

LEAD

Water by AAS-GF: ASTM D3559-03D, US EPA 200.9 X

Turnaround

5 Days

Sample #	Location	Outlet Type	Time	Cooler Model	Lab ID	Results
448.6-1 WMF	boiler room	hb	15:00	NA	6051152	
448.6-2 WMTC	boiler room	hb	15:04	NA	6051153	
448.6-3	113	s	13:50	NA	6051154	
448.6-4	113	b	13:50	NA	6051155	
448.6-5	114	s	13:50	NA	6051156	
448.6-6	114	b	13:50	NA	6051157	
448.6-7	116	s	13:51	NA	6051158	
448.6-8	116	b	13:51	NA	6051159	
448.6-9	115	s	13:52	NA	6051160	
448.6-10	115	b	13:52	NA	6051161	
448.6-11	boys locker room	B	13:55	NA	6051162	
448.6-12	boys locker room	s	13:55	NA	6051163	
448.6-13	boys locker room	s	13:55	NA	6051164	
448.6-14	girls locker room	b	13:57	NA	6051165	
448.6-15	girls locker room	s	13:57	NA	6051166	
448.6-16	girls locker room	s	13:57	NA	6051167	
448.6-17	Girl restroom	S	13:59	NA	6051168	
448.6-18	Girl restroom	S	13:59	NA	6051169	

Notes:

Please e-mail lab results to labs@stohlenv.com

☐ If checked, also e-mail results to: _____

Sampled By: [Signature] Print Name Joseph Mecca Stohl Env: Joseph Mecca Date: 10/1/2016

Relinquished By: [Signature] Print Name Joseph Mecca Stohl Env: Joseph Mecca Date: 10/3/2016

Received (Name / Lab): _____ Date: _____ Time: _____

Sample Login (Name / Lab): 12/02/16 Date: _____ Time: _____

Analysis (Name / Lab): ND Date: _____ Time: _____

QA/QC Review (Name / Lab): ML Date: 12/7/16 Time: OCT 6 2016

Archived / Released: _____ QA/QC InterLAB Use: _____ Date: _____ Time: _____

RECEIVED
IATL - By [Signature]



Chain of Custody Document

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☎ (716) 312-0070 ■ (716) 312-8092
www.stohlenvironmental.com

Submitted to: (Lab Name) IATL

STOHL Job # 2016L-448.6

Client: North Tonawanda CSD Contact: Mark Rampado

Building: Ohio Elementary School Location: 625 Ohio Street

LEAD

Water by AAS-GF: ASTM D3559-03D, US EPA 200.9 X

Turnaround

5 Days

Sample #	Location	Outlet Type	Time	Cooler Model	Lab ID	Results
448.6-19	Girl restroom	S	13:59	NA	6051170	
448.6-20	Girl restroom	S	14:00	NA	6051171	
448.6-21	Girl restroom	S	14:00	NA	6051172	
448.6-22	hallway across from girls locker	df	14:01	Aqua a111108f	6051173	
448.6-23	118	s	14:03	NA	6051174	
448.6-24	118	b	14:03	NA	6051175	
448.6-25	117	s	14:04	NA	6051176	
448.6-26	117	b	14:04	NA	6051177	
448.6-27	120	s	14:05	NA	6051178	
448.6-28	120	b	14:05	NA	6051179	
448.6-29	119	s	14:05	NA	6051180	
448.6-30	119	b	14:05	NA	6051181	
448.6-31	122	s	14:06	NA	6051182	
448.6-32	122	b	14:06	NA	6051183	
448.6-33	121	s	14:06	NA	6051184	
448.6-34	121	b	14:06	NA	6051185	
448.6-35	124	s	14:07	NA	6051186	
448.6-36	124	b	14:07	NA	6051187	

Notes:

Please e-mail lab results to labs@stohlenv.com

Sampled By: [Signature] Print Name Stohl Env: Joseph Mecca Date: 10/1/2016

Relinquished By: [Signature] Print Name Stohl Env: Joseph Mecca Date: 10/3/2016

Received (Name / Lab): _____ Date: _____ Time: _____

Sample Login (Name / Lab): _____ Date: _____ Time: _____

Analysis (Name / Lab): _____ Date: _____ Time: _____

QA/QC Review (Name / Lab): _____ Date: _____ Time: _____

Archived / Released: _____ QA/QC InterLAB Use: _____ Date: _____ Time: _____



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www.stohlenvironmental.com

Submitted to: (Lab Name) IATL

STOHL Job # 2016L-448.6

Client: North Tonawanda CSD Contact: Mark Rampado

Building: Ohio Elementary School Location: 625 Ohio Street

LEAD

Water by AAS-GF: ASTM D3559-03D, US EPA 200.9 X

Turnaround

5 Days

Sample #	Location	Outlet Type	Time	Cooler Model	Lab ID	Results
448.6-37	126	s	14:08	NA	6051188	
448.6-38	126	b	14:09	NA	6051189	
448.6-39	123	s	14:10	NA	6051190	
448.6-40	123	B	14:10	NA	6051191	
448.6-41	125	s	14:11	NA	6051192	
448.6-42	125	b	14:11	NA	6051193	
448.6-43	127	s	14:11	NA	6051194	
448.6-44	128	S	14:13	NA	6051195	
448.6-45	hallway	df	14:14	aqua a111108f	6051196	
448.6-46	girls bathroom	s	14:16	NA	6051197	
448.6-47	girls bathroom	s	14:15	NA	6051198	
448.6-48	boys bathroom	s	14:16	NA	6051199	
448.6-49	boys bathroom	s	14:16	NA	6051200	
448.6-50	women's bathroom	s	14:16	NA	6051201	
448.6-51	men's bathroom	s	14:17	NA	6051202	
448.6-52	boys bathroom	S	14:22	NA	6051203	
448.6-53	boys bathroom	S	14:22	NA	6051204	
448.6-54	boys bathroom	S	14:22	NA	6051205	

Notes:

Please e-mail lab results to labs@stohlenv.com

Sampled By: [Signature] Print Name Stohl Env: Joseph Mecca Date: 10/1/2016

Relinquished By: [Signature] Print Name Stohl Env: Joseph Mecca Date: 10/3/2016

Received (Name / Lab): _____ Date: _____ Time: _____

Sample Login (Name / Lab): _____ Date: _____ Time: _____

Analysis (Name / Lab): _____ Date: _____ Time: _____

QA/QC Review (Name / Lab): _____ Date: _____ Time: _____

Archived / Released: _____ QA/QC InterLAB Use: _____ Date: _____ Time: _____



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www.stohlenvironmental.com

Submitted to: (Lab Name) IATL

STOHL Job # 2016L-448.6

Client: North Tonawanda CSD

Contact: Mark Rampado

Building: Ohio Elementary School

Location: 625 Ohio Street

LEAD

Water by AAS-GF: ASTM D3559-03D, US EPA 200.9 X

Turnaround

5 Days

Sample #	Location	Outlet Type	Time	Cooler Model	Lab ID	Results
448.6-55	boys bathroom	S	14:23	NA	6051205	
448.6-56	boys bathroom	S	14:23	NA	6051207	
448.6-57	men bathroom	S	14:24	NA	6051208	
448.6-58	women's bathroom	s	14:24	NA	6051209	
448.6-59	women's bathroom	s	14:24	NA	6051210	
448.6-60	112	s	14:26	NA	6051211	
448.6-61	112	b	14:26	NA	6051212	
448.6-62	health office	s	14:28	NA	6051213	
448.6-63	health office	s	14:28	NA	6051214	
448.6-64	111	s	14:29	NA	6051215	
448.6-65	hallway	df	14:29	aqua a111108f	6051216	
448.6-66	Main office	s	14:30	NA	6051217	
★ 448.6-67	Women's bathroom	s	14:32	NA	6051218	
448.6-68	men's bathroom	s	14:33	NA	6051219	
448.6-69	cafeteria	df	14:36	aqua a111108f	6051220	
448.6-70	Kitchen	s nozzle	14:37	NA	6051221	
448.6-71	Kitchen	S	14:37	NA	6051222	
448.6-72	Kitchen	s	14:37	NA	6051223	

Notes:

Please e-mail lab results to labs@stohlenv.com

Sampled By: [Signature] Print Name Stohl Env: Joseph Mecca Date: 10/1/2016

Relinquished By: [Signature] Print Name Stohl Env: Joseph Mecca Date: 10/3/2016

Received (Name / Lab): _____ Date: _____ Time: _____

Sample Login (Name / Lab): _____ Date: _____ Time: _____

Analysis (Name / Lab): _____ Date: _____ Time: _____

QA/QC Review (Name / Lab): _____ Date: _____ Time: _____

Archived / Released: _____ QA/QC InterLAB Use: _____ Date: _____ Time: _____



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4169 ALLENDALE PKWY. BUFFALO, NEW YORK 14219
☎ (716) 312-0070 ■ (716) 312-8092
www.stohlenvironmental.com

Submitted to: (Lab Name) IATL

STOHL Job # 2016L-448.6

Client: North Tonawanda CSD Contact: Mark Rampado

Building: Ohio Elementary School Location: 625 Ohio Street

LEAD

Water by AAS-GF: ASTM D3559-03D, US EPA 200.9 X

Turnaround

5 Days

Sample #	Location	Outlet Type	Time	Cooler Model	Lab ID	Results
448.6-73	Kitchen bathroom	s	14:38	NA	6051224	
448.6-74	Kitchen	slop sink	14:39	NA	6051225	
448.6-75	Kitchen	s	14:40	NA	6051226	
448.6-76	110	S	14:45	NA	6051227	
448.6-77	110	b	14:45	NA	6051228	
448.6-78	110	s	14:45	NA	6051229	
448.6-79	109	s	14:46	NA	6051230	
448.6-80	109	b	14:46	NA	6051231	
448.6-81	109	s	14:46	NA	6051232	
448.6-82	108	s	14:46	NA	6051233	
448.6-83	108	B	14:46	NA	6051234	
448.6-84	108	s	14:46	NA	6051235	
448.6-85	107	s	14:47	NA	6051236	
448.6-86	107	b	14:47	NA	6051237	
448.6-87	107	S	14:47	NA	6051238	
448.6-88	106	s	14:48	NA	6051239	
448.6-89	106	b	14:48	NA	6051240	
448.6-90	106	s	14:48	NA	6051241	

Notes:

Please e-mail lab results to labs@stohlenv.com

Sampled By: [Signature] Print Name Stohl Env: Joseph Mecca Date: 10/1/2016

Relinquished By: [Signature] Print Name Stohl Env: Joseph Mecca Date: 10/3/2016

Received (Name / Lab): _____ Date: _____ Time: _____

Sample Login (Name / Lab): _____ Date: _____ Time: _____

Analysis (Name / Lab): _____ Date: _____ Time: _____

QA/QC Review (Name): _____ Date: _____ Time: _____

Archived / Released: _____ QA/QC InterLAB Use: _____ Date: _____ Time: _____



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☎ (716) 312-0070 ■ (716) 312-8092
www.stohlenvironmental.com

Submitted to: (Lab Name) IATL

STOHL Job # 2016L-448.6

Client: North Tonawanda CSD Contact: Mark Rampado

Building: Ohio Elementary School Location: 625 Ohio Street

LEAD

Water by AAS-GF: ASTM D3559-03D, US EPA 200.9 X

Turnaround

5 Days

Sample #	Location	Outlet Type	Time	Cooler Model	Lab ID	Results
448.6-91	105	s	14:49	NA	6051242	
448.6-92	105	b	14:49	NA	6051243	
448.6-93	105	s	14:49	NA	6051244	
448.6-94	104	s	14:49	NA	6051245	
448.6-95	104	b	14:49	NA	6051246	
448.6-96	104	s	14:49	NA	6051247	
448.6-97	103	s	14:51	NA	6051248	
448.6-98	103	b	14:51	NA	6051249	
448.6-99	103	s	14:51	NA	6051250	
448.6-100	102	s	14:51	NA	6051251	
448.6-101	102	b	14:51	NA	6051252	
448.6-102	102	s	14:52	NA	6051253	
448.6-103	101	s	14:53	NA	6051254	
448.6-104	101	b	14:53	NA	6051255	
448.6-105	101	s	14:53	NA	6051256	
448.6-106	Exterior	Hb	15:10	NA	6051257	
448.6-107	Exterior	Hb	15:15	NA	6051258	
448.6-108	Exterior	Hb	15:16	NA	6051259	

Notes:

Please e-mail lab results to labs@stohlenv.com

Sampled By: [Signature] Print Name Stohl Env: Joseph Mecca Date: 10/1/2016

Relinquished By: [Signature] Print Name Stohl Env: Joseph Mecca Date: 10/3/2016

Received (Name / Lab): _____ Date: _____ Time: _____

Sample Login (Name / Lab): _____ Date: _____ Time: _____

Analysis (Name / Lab): _____ Date: _____ Time: _____

QA/QC Review (Name / Lab): _____ Date: _____ Time: _____

Archived / Released: _____ QA/QC InterLAB Use: _____ Date: _____ Time: _____



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☎ (716) 312-0070 ■ (716) 312-8092
www.stohlenvironmental.com

Chain of Custody Document

Submitted to: (Lab Name) IATL

STOHL Job # 2016L-448.6

Client: North Tonawanda CSD Contact: Mark Rampado

Building: Ohio Elementary School : Location: 625 Ohio Street

LEAD

Water by AAS-GF: ASTM D3559-03D, US EPA 200.9	X
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Turnaround

5 Days

[illegible]

Notes:

Please e-mail lab results to labs@stohleny.com

Sampled By: Print Name Stohl Env: Joseph Mecca Date: 10/1/2016

Relinquished By: Print Name Stohl Env: Joseph Mecca Date: 10/3/2016

Received (Name / Lab): _____ Date: _____ Time: _____

Sample Login (Name / Lab): _____ Date: _____ Time: _____

Analysis (Name / Lab): _____ Date: _____ Time: _____

QA/QC Review (Name / Lab): _____ Date: _____ Time: _____

Archived / Released: _____ QA/QC InterLAB Use: _____ Date: _____ Time: _____

ND Acidified 11/29/16 @ 16:00