



ENVIRONMENTAL CONSULTANTS

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

A MEMBER OF THE STOHL GROUP OF COMPANIES

October 31, 2016

Mr. David Spacone
City School District of the City of Niagara Falls
Director of Facilities
630 66th Street
Niagara Falls, New York 14304

RE: Investigation and Sampling of Drinking Water for Lead Concentrations

Dear Mr. Spacone:

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

- Henry J. Kalfas Elementary School, 1800 Beech Avenue, Niagara Falls, New York.

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 or equal to the NYS "Action Level of 15 parts per billion (ppb)".

The Investigation and Sampling was performed on September 24, 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, 1 source of potable water in the Henry J. Kalfas Elementary School Building has 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 City School District of the City of Niagara Falls.

Sincerely,
Stohl Environmental, LLC.

A handwritten signature in black ink, appearing to read "William K. Sisco".

William K. Sisco
PROJECT MANAGER

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

Prepared for:

**Mr. David Spacone
City School District of the City of Niagara Falls
Director of Facilities
630 66th Street
Niagara Falls, New York 14304**

Prepared by:



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4169 ALLENDALE PKWY. BUFFALO, NEW YORK 14219

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Conditions as of September 24, 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 City School District of the City of Niagara Falls to perform sampling and analysis of potable water for elevated lead concentrations. Sampling was performed in the following buildings:

- Henry J. Kalfas Elementary School, 1800 Beech Avenue, Niagara Falls, New York.

Scope of Work:

Stohl Environmental was charged with collecting first-draw water samples from all outlets in Henry J. Kalfas 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).

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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
Henry J. Kalfas Elementary School	09/24/16	63	62	1	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.

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
111.5-49	First Draw	Kitchen Sink Next to Wall Adjacent to Hallway – Right Sink	Sink	25.0

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



Analysis Report

Schneider Laboratories Global, Inc

2512 W. Cary Street • Richmond, Virginia • 23220-5117
804-353-6778 • 800-785-LABS (5227) • Fax 804-359-1475

Customer: Stohl Environmental, LLC (4507)
Address: 4169 Allendale Parkway
Blasdell, NY 14219

Order #: 186522

Matrix: Drinking Water
Received: 09/29/16
Reported: 10/28/16

Attn:
Project: Henry J Kalfas
Location: 1800 Beech Ave Niagara Falls
Number: 2016L-111.5

PO Number:

Table with columns: Sample ID, Cust. Sample ID, Location, Parameter, Method, Result, RL*, Units, Analysis Date, Analyst. Contains 11 rows of lead analysis data for samples 186522-001 through 186522-011.

All internal QC parameters were met. Unusual sample conditions, if any, are described. Surrogate Spike results designated with "D" indicate that the analyte was diluted out. "MI" indicates matrix interference. Concentration and *Reporting Limit (RL) based on areas provided by client. Values are reported to three significant figures. Solid PPM = mg/kg | PPB = µg/kg and Water PPM = mg/L | PPB = µg/L. The test results reported relate only to the samples submitted.



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Address: 4169 Allendale Parkway
Blasdell, NY 14219

Order #: 186522

Matrix: Drinking Water
Received: 09/29/16
Reported: 10/28/16

Attn:
Project: Henry J Kalfas
Location: 1800 Beech Ave Niagara Falls
Number: 2016L-111.5

PO Number:

Table with columns: Sample ID, Cust. Sample ID, Location, Method, Result, RL*, Units, Analysis Date, Analyst. Contains 22 rows of analysis data for Lead, all showing results <5.00.

All internal QC parameters were met. Unusual sample conditions, if any, are described. Surrogate Spike results designated with "D" indicate that the analyte was diluted out. "MI" indicates matrix interference. Concentration and *Reporting Limit (RL) based on areas provided by client. Values are reported to three significant figures. Solid PPM = mg/kg | PPB = µg/kg and Water PPM = mg/L | PPB = µg/L. The test results reported relate only to the samples submitted.



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Address: 4169 Allendale Parkway
Blasdell, NY 14219

Order #: 186522

Matrix: Drinking Water
Received: 09/29/16
Reported: 10/28/16

Attn:
Project: Henry J Kalfas
Location: 1800 Beech Ave Niagara Falls
Number: 2016L-111.5

PO Number:

Table with 8 columns: Sample ID, Cust. Sample ID, Location, Parameter, Method, Result, RL*, Units, Analysis Date, Analyst. Rows include sample IDs 186522-023 through 186522-033, each with a 'Metals Analysis' sub-section for Lead.

All internal QC parameters were met. Unusual sample conditions, if any, are described. Surrogate Spike results designated with "D" indicate that the analyte was diluted out. "MI" indicates matrix interference. Concentration and *Reporting Limit (RL) based on areas provided by client. Values are reported to three significant figures. Solid PPM = mg/kg | PPB = µg/kg and Water PPM = mg/L | PPB = µg/L. The test results reported relate only to the samples submitted.



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Blasdell, NY 14219

Order #: 186522

Matrix: Drinking Water
Received: 09/29/16
Reported: 10/28/16

Attn:
Project: Henry J Kalfas
Location: 1800 Beech Ave Niagara Falls
Number: 2016L-111.5

PO Number:

Table with columns: Sample ID, Cust. Sample ID, Location, Method, Result, RL*, Units, Analysis Date, Analyst. Rows include sample IDs 186522-034 through 186522-044, all showing Lead results <5.00.

All internal QC parameters were met. Unusual sample conditions, if any, are described. Surrogate Spike results designated with "D" indicate that the analyte was diluted out. "MI" indicates matrix interference. Concentration and *Reporting Limit (RL) based on areas provided by client. Values are reported to three significant figures. Solid PPM = mg/kg | PPB = µg/kg and Water PPM = mg/L | PPB = µg/L. The test results reported relate only to the samples submitted.



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Address: 4169 Allendale Parkway
Blasdell, NY 14219

Order #: 186522

Matrix: Drinking Water
Received: 09/29/16
Reported: 10/28/16

Attn:
Project: Henry J Kalfas
Location: 1800 Beech Ave Niagara Falls
Number: 2016L-111.5

PO Number:

Table with columns: Sample ID, Cust. Sample ID, Location, Method, Result, RL*, Units, Analysis Date, Analyst. Rows include sample IDs 186522-045 through 186522-055, all for Lead analysis.

All internal QC parameters were met. Unusual sample conditions, if any, are described. Surrogate Spike results designated with "D" indicate that the analyte was diluted out. "MI" indicates matrix interference. Concentration and *Reporting Limit (RL) based on areas provided by client. Values are reported to three significant figures. Solid PPM = mg/kg | PPB = µg/kg and Water PPM = mg/L | PPB = µg/L. The test results reported relate only to the samples submitted.



Analysis Report

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804-353-6778 • 800-785-LABS (5227) • Fax 804-359-1475

Customer: Stohl Environmental, LLC (4507)
Address: 4169 Allendale Parkway
Blasdell, NY 14219

Order #: 186522

Matrix: Drinking Water
Received: 09/29/16
Reported: 10/28/16

Attn:
Project: Henry J Kalfas
Location: 1800 Beech Ave Niagara Falls
Number: 2016L-111.5

PO Number:

Table with 8 columns: Sample ID, Cust. Sample ID, Location, Method, Result, RL*, Units, Analysis Date, Analyst. Contains 12 rows of data for Lead analysis at various locations.

186522-10/28/16 01:38 PM

Abisola O Kasali

Reviewed By: Abisola Kasali
Metals Supervisor

EPA Regulatory Limits

Table with 3 columns: Parameter, Reg. Limit, Unit. Row for Lead with Reg. Limit 15.0 and Unit µg/L.

All internal QC parameters were met. Unusual sample conditions, if any, are described. Surrogate Spike results designated with "D" indicate that the analyte was diluted out. "MI" indicates matrix interference. Concentration and *Reporting Limit (RL) based on areas provided by client. Values are reported to three significant figures. Solid PPM = mg/kg | PPB = µg/kg and Water PPM = mg/L | PPB = µg/L. The test results reported relate only to the samples submitted.



Analysis Report

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Customer: Stohl Environmental, LLC (4507)
Address: 4169 Allendale Parkway
Blasdell, NY 14219

Order #: 186522

Matrix: Drinking Water
Received: 09/29/16
Reported: 10/28/16

Attn:
Project: Henry J Kalfas
Location: 1800 Beech Ave Niagara Falls
Number: 2016L-111.5

PO Number:

Table with 8 columns: Sample ID, Cust. Sample ID, Location, Method, Result, RL*, Units, Analysis Date, Analyst

Certifications

Table with 11 columns: Parameter, Method, Matrix, CA, CT, FL, NJ, NY, RI, VA

Key

Table with 3 columns: State, Regulatory Agency - Lab ID, Certificate Number

'X' indicates that the analyte is accredited.

If your state is not listed above, call laboratory for accreditation/certification information.

All internal QC parameters were met. Unusual sample conditions, if any, are described. Surrogate Spike results designated with "D" indicate that the analyte was diluted out. "MI" indicates matrix interference. Concentration and *Reporting Limit (RL) based on areas provided by client. Values are reported to three significant figures. Solid PPM = mg/kg | PPB = µg/kg and Water PPM = mg/L | PPB = µg/L. The test results reported relate only to the samples submitted.



Raw Data Analysis Report

Order 186522
QCBatch QC29390

BlankID
Dil. Pipette 20
Balance

Analyzed 10/26/2016
Due Date 10/6/2016
Cook By saljohani

Sample	Matrix	Param	Dil	Conc	Result	Units	Vol	Analyst/Prep
186522-001	Drinking Water	Lead	1	0.0520	0.0520	µg/L		SA / SA
186522-002	Drinking Water	Lead	1	-0.144	-0.144	µg/L		SA / SA
186522-003	Drinking Water	Lead	1	2.28	2.28	µg/L		SA / SA
186522-004	Drinking Water	Lead	1	0.248	0.248	µg/L		SA / SA
186522-005	Drinking Water	Lead	1	4.12	4.12	µg/L		SA / SA
186522-006	Drinking Water	Lead	1	0.135	0.135	µg/L		SA / SA
186522-007	Drinking Water	Lead	1	3.21	3.21	µg/L		SA / SA
186522-008	Drinking Water	Lead	1	1.58	1.58	µg/L		SA / SA
186522-009	Drinking Water	Lead	1	0.359	0.359	µg/L		SA / SA
186522-010	Drinking Water	Lead	1	2.21	2.21	µg/L		SA / SA
186522-011	Drinking Water	Lead	1	2.46	2.46	µg/L		SA / SA
186522-012	Drinking Water	Lead	1	2.64	2.64	µg/L		SA / SA
186522-013	Drinking Water	Lead	1	1.25	1.25	µg/L		SA / SA
186522-014	Drinking Water	Lead	1	-0.000531	-0.00053	µg/L		SA / SA
186522-015	Drinking Water	Lead	1	1.83	1.83	µg/L		SA / SA
186522-016	Drinking Water	Lead	1	2.45	2.45	µg/L		SA / SA
186522-017	Drinking Water	Lead	1	-0.171	-0.171	µg/L		SA / SA
186522-018	Drinking Water	Lead	1	3.74	3.74	µg/L		SA / SA
186522-019	Drinking Water	Lead	1	0.903	0.903	µg/L		SA / SA
186522-020	Drinking Water	Lead	1	-0.0702	-0.0702	µg/L		SA / SA
186522-021	Drinking Water	Lead	1	-0.516	-0.516	µg/L		SA / SA
186522-022	Drinking Water	Lead	1	0.257	0.257	µg/L		SA / SA
186522-023	Drinking Water	Lead	1	-0.325	-0.325	µg/L		SA / SA
186522-024	Drinking Water	Lead	1	-0.748	-0.748	µg/L		SA / SA
186522-025	Drinking Water	Lead	1	-0.188	-0.188	µg/L		SA / SA
186522-026	Drinking Water	Lead	1	0.173	0.173	µg/L		SA / SA
186522-027	Drinking Water	Lead	1	0.259	0.259	µg/L		SA / SA
186522-028	Drinking Water	Lead	1	-0.641	-0.641	µg/L		SA / SA
186522-029	Drinking Water	Lead	1	-0.566	-0.566	µg/L		SA / SA
186522-030	Drinking Water	Lead	1	5.09	5.09	µg/L		SA / SA
186522-031	Drinking Water	Lead	1	3.35	3.35	µg/L		SA / SA
186522-032	Drinking Water	Lead	1	2.38	2.38	µg/L		SA / SA
186522-033	Drinking Water	Lead	1	3.20	3.20	µg/L		SA / SA
186522-034	Drinking Water	Lead	1	-0.231	-0.231	µg/L		SA / SA
186522-035	Drinking Water	Lead	1	0.239	0.239	µg/L		SA / SA
186522-036	Drinking Water	Lead	1	-0.0293	-0.0293	µg/L		SA / SA
186522-037	Drinking Water	Lead	1	-0.364	-0.364	µg/L		SA / SA
186522-038	Drinking Water	Lead	1	0.453	0.453	µg/L		SA / SA
186522-039	Drinking Water	Lead	1	-0.219	-0.219	µg/L		SA / SA
186522-040	Drinking Water	Lead	1	0.596	0.596	µg/L		SA / SA
186522-041	Drinking Water	Lead	1	-0.76	-0.76	µg/L		SA / SA
186522-042	Drinking Water	Lead	1	-0.632	-0.632	µg/L		SA / SA
186522-043	Drinking Water	Lead	1	-0.434	-0.434	µg/L		SA / SA
186522-044	Drinking Water	Lead	1	-0.658	-0.658	µg/L		SA / SA
186522-045	Drinking Water	Lead	1	-0.531	-0.531	µg/L		SA / SA
186522-046	Drinking Water	Lead	1	-0.664	-0.664	µg/L		SA / SA



Raw Data Analysis Report

Order 186522
QCBatch QC29390

BlankID
Dil. Pipette 20
Balance

Analyzed 10/27/2016
Due Date 10/6/2016
Cook By saljohani

Sample	Matrix	Param	Dil	Conc	Result	Units	Vol	Analyst/Prep
186522-047	Drinking Water	Lead	1	-0.541	-0.541	µg/L		SA / SA
186522-048	Drinking Water	Lead	1	-0.682	-0.682	µg/L		SA / SA
186522-049	Drinking Water	Lead	1	25.0	25.0	µg/L		SA / SA
186522-050	Drinking Water	Lead	1	5.31	5.31	µg/L		SA / SA
186522-051	Drinking Water	Lead	1	-0.372	-0.372	µg/L		SA / SA
186522-052	Drinking Water	Lead	1	2.36	2.36	µg/L		SA / SA
186522-053	Drinking Water	Lead	1	5.89	5.89	µg/L		SA / SA
186522-054	Drinking Water	Lead	1	1.10	1.10	µg/L		SA / SA
186522-055	Drinking Water	Lead	1	-0.235	-0.235	µg/L		SA / SA
186522-056	Drinking Water	Lead	1	0.127	0.127	µg/L		SA / SA
186522-057	Drinking Water	Lead	1	5.48	5.48	µg/L		SA / SA
186522-058	Drinking Water	Lead	1	3.66	3.66	µg/L		SA / SA
186522-059	Drinking Water	Lead	1	-0.556	-0.556	µg/L		SA / SA
186522-060	Drinking Water	Lead	1	-0.51	-0.51	µg/L		SA / SA
186522-061	Drinking Water	Lead	1	-0.164	-0.164	µg/L		SA / SA
186522-062	Drinking Water	Lead	1	-0.125	-0.125	µg/L		SA / SA
186522-063	Drinking Water	Lead	1	1.28	1.28	µg/L		SA / SA



QC Batch Report

Reported 10/28/2016

QCType	Param	Result	Units	% Rec.	Target	Acceptance	RPD	Analyst
QCBatch ::: QC29390								
CCB 1	Lead	-0.618	µg/L			-		SA
CCB 2	Lead	0.888	µg/L			-		SA
CCB 3	Lead	0.915	µg/L			-		SA
CCV 1	Lead	20.1	µg/L	100	20.0	-		SA
CCV 2	Lead	20.5	µg/L	103	20.0	-		SA
CCV 3	Lead	20.9	µg/L	105	20.0	-		SA
ICB 1	Lead	-0.727	µg/L			-		SA
ICV 1	Lead	20.2	µg/L	101	20.0	-		SA
LCS 1	Lead	10.5	µg/L	105	10.0	-		SA
LCS 2	Lead	10.4	µg/L	104	10.0	-		SA
LCSD 1	Lead	9.95	µg/L	99.5	10.0	-	5.30	SA
LCSD 2	Lead	10.4	µg/L	104	10.0	-	0.203	SA
LFB 1	Lead	5.04	µg/L	101	5.00	-		SA
MB 1	Lead	0.0354	µg/L			-		SA
MB 2	Lead	-0.386	µg/L			-		SA
MS 1 (186522-009)	Lead	9.03	µg/L	86.7	10.0	-		SA
MS 2 (186522-020)	Lead	9.90	µg/L	99.7	10.0	-		SA
MSD 1 (186522-009)	Lead	10.5	µg/L	102	10.0	-	15.2	SA
MSD 2 (186522-020)	Lead	10.4	µg/L	104	10.0	-	4.47	SA
QCBatch ::: QC29391								
CCB 1	Lead	-0.933	µg/L			-		SA
CCB 2	Lead	-0.968	µg/L			-		SA
CCB 3	Lead	-0.901	µg/L			-		SA
CCV 1	Lead	20.5	µg/L	102	20.0	-		SA
CCV 2	Lead	20.9	µg/L	104	20.0	-		SA
CCV 3	Lead	21.4	µg/L	107	20.0	-		SA
ICB 1	Lead	-0.947	µg/L			-		SA
ICV 1	Lead	20.7	µg/L	104	20.0	-		SA
LCS 1	Lead	10.9	µg/L	109	10.0	-		SA
LCS 2	Lead	10.5	µg/L	105	10.0	-		SA
LCSD 1	Lead	10.3	µg/L	103	10.0	-	5.51	SA
LCSD 2	Lead	9.79	µg/L	97.9	10.0	-	7.25	SA
LFB 1	Lead	5.14	µg/L	103	5.00	-		SA
MB 1	Lead	-0.546	µg/L			-		SA
MB 2	Lead	-0.88	µg/L			-		SA
MS 1 (186522-029)	Lead	11.2	µg/L	118	10.0	-		SA
MS 2 (186522-040)	Lead	10.7	µg/L	101	10.0	-		SA
MSD 1 (186522-029)	Lead	10.4	µg/L	110	10.0	-	7.51	SA
MSD 2 (186522-040)	Lead	9.97	µg/L	93.7	10.0	-	7.19	SA



QC Batch Report

Reported 10/28/2016

QCType	Param	Result	Units	% Rec.	Target	Acceptance	RPD	Analyst
QCBatch ::: QC29427								
CCB 1	Lead	-0.924	µg/L			-		SA
CCB 2	Lead	-0.83	µg/L			-		SA
CCB 3	Lead	-0.799	µg/L			-		SA
CCV 1	Lead	20.2	µg/L	101	20.0	-		SA
CCV 2	Lead	19.9	µg/L	99.7	20.0	-		SA
CCV 3	Lead	19.2	µg/L	96.1	20.0	-		SA
ICB 1	Lead	-0.891	µg/L			-		SA
ICV 1	Lead	20.4	µg/L	102	20.0	-		SA
LCS 1	Lead	9.89	µg/L	98.9	10.0	-		SA
LCS 2	Lead	9.70	µg/L	97.0	10.0	-		SA
LCSD 1	Lead	10.0	µg/L	100	10.0	-	1.17	SA
LCSD 2	Lead	9.91	µg/L	99.1	10.0	-	2.20	SA
LFB 1	Lead	5.28	µg/L	106	5.00	-		SA
MB 1	Lead	-0.882	µg/L			-		SA
MB 2	Lead	-1.09	µg/L			-		SA
MS 1 (186522-050)	Lead	15.6	µg/L	103	10.0	-		SA
MS 2 (186522-060)	Lead	10.6	µg/L	111	10.0	-		SA
MSD 1 (186522-050)	Lead	15.4	µg/L	101	10.0	-	1.62	SA
MSD 2 (186522-060)	Lead	10.6	µg/L	111	10.0	-	0.536	SA
QCBatch ::: QC29433								
CCB 1	Lead	-0.68	µg/L			-		SA
CCB 2	Lead	-0.708	µg/L			-		SA
CCB 3	Lead	-0.758	µg/L			-		SA
CCV 1	Lead	21.1	µg/L	106	20.0	-		SA
CCV 2	Lead	21.5	µg/L	108	20.0	-		SA
CCV 3	Lead	22.0	µg/L	110	20.0	-		SA
ICB 1	Lead	-0.672	µg/L			-		SA
ICV 1	Lead	20.4	µg/L	102	20.0	-		SA
LCS 1	Lead	10.6	µg/L	106	10.0	-		SA
LCS 2	Lead	10.9	µg/L	109	10.0	-		SA
LCSD 1	Lead	10.8	µg/L	108	10.0	-	1.52	SA
LCSD 2	Lead	10.8	µg/L	108	10.0	-	1.59	SA
LFB 1	Lead	5.49	µg/L	110	5.00	-		SA
MB 1	Lead	-0.729	µg/L			-		SA
MB 2	Lead	-0.712	µg/L			-		SA
MS 1 (186998-001)	Lead	9.05	µg/L	94.7	10.0	-		SA
MS 2 (186998-011)	Lead	13.1	µg/L	112	10.0	-		SA
MSD 1 (186998-001)	Lead	9.12	µg/L	95.4	10.0	-	0.814	SA
MSD 2 (186998-011)	Lead	12.2	µg/L	104	10.0	-	6.91	SA



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1.5 Laboratory Certifications

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2017
Issued September 22, 2016

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

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

MR. FAYEZ ABOUZAKI
SCHNEIDER LABORATORIES GLOBAL, INC
2512 WEST CARY STREET
RICHMOND, VA 23220-5117

NY Lab Id No: 11413

*is hereby APPROVED as an Environmental Laboratory in conformance with the
National Environmental Laboratory Accreditation Conference Standards (2003) for the category
ENVIRONMENTAL ANALYSES POTABLE WATER
All approved analytes are listed below:*

Metals I

Lead, Total

EPA 200.9 Rev. 2.2



Serial No.: 55043

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. FAYEZ ABOUZAKI
SCHNEIDER LABORATORIES GLOBAL, INC
2512 WEST CARY STREET
RICHMOND, VA 23220-5117

NY Lab Id No: 11413

*is hereby APPROVED as an Environmental Laboratory in conformance with the
National Environmental Laboratory Accreditation Conference Standards (2003) for the category
ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved analytes are listed below:*

Metals I

Lead, Total
EPA 200.7 Rev. 4.4
EPA 6010C
EPA 7000B
EPA 200.9 Rev. 2.2

Sample Preparation Methods

EPA 3010A
EPA 3005A
EPA 3020A



Department
of Health

Serial No.: 54667

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. FAYEZ ABOUZAKI
SCHNEIDER LABORATORIES GLOBAL, INC
2512 WEST CARY STREET
RICHMOND, VA 23220-5117

NY Lab Id No: 11413

*is hereby APPROVED as an Environmental Laboratory in conformance with the
National Environmental Laboratory Accreditation Conference Standards (2003) for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:*

Characteristic Testing

TCLP EPA 1311

Polychlorinated Biphenyls

PCB-1268 EPA 8082A

Metals I

Sample Preparation Methods

Barium, Total EPA 6010C

EPA 3010A

Cadmium, Total EPA 6010C

EPA 3050B

Chromium, Total EPA 6010C

EPA 3550C

Lead, Total EPA 6010C

EPA 3031

EPA 7000B

Nickel, Total EPA 6010C

Silver, Total EPA 6010C

Metals II

Antimony, Total EPA 6010C

Arsenic, Total EPA 6010C

Chromium VI EPA 7196A

Mercury, Total EPA 7471B

Selenium, Total EPA 6010C

Polychlorinated Biphenyls

PCB-1016 EPA 8082A

PCB-1221 EPA 8082A

PCB-1232 EPA 8082A

PCB-1242 EPA 8082A

PCB-1248 EPA 8082A

PCB-1254 EPA 8082A

PCB-1260 EPA 8082A

PCB-1262 EPA 8082A

NEW
YORK
STATE

Department
of Health

Serial No.: 54668

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NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



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MR. FAYEZ ABOUZAKI
SCHNEIDER LABORATORIES GLOBAL, INC
2512 WEST CARY STREET
RICHMOND, VA 23220-5117

NY Lab Id No: 11413

*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:*

Miscellaneous

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

Sample Preparation Methods

EPA 3050B



Serial No.: 54669

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NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2017
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CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

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

MR. FAYEZ ABOUZAKI
SCHNEIDER LABORATORIES GLOBAL, INC
2512 WEST CARY STREET
RICHMOND, VA 23220-5117

NY Lab Id No: 11413

*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
 40 CFR PART 50 1984 APP G

Miscellaneous

Fibers NIOSH 7400 A RULES



Serial No.: 54670

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.



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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) Schneider

STOHL Job # 2016L-111.5

Client: Niagar Falls CSD

Contact: Dave Spacone

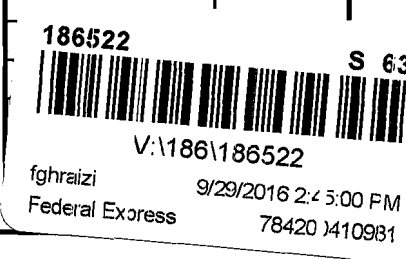
Building: Henry J. Kalfas

Location: 1800 Beech Ave. Niagara Falls NY

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
111.5-1	CO CR125	DF	11:32	0		
111.5-2	CO CR125	DF	11:33	0		
111.5-3	CR128	S	11:37	0		
111.5-4	CR127	S	11:39	0		
111.5-5	CR125	S	11:43	0		
111.5-6	CR126	S	11:44	0		
111.5-7	CR123	S	11:45	0		
111.5-8	CR124	S	11:46	0		
111.5-9	CR121	S	11:47	0		
111.5-10	CR122	S	11:48	0		
111.5-11	CR120	S	11:52	0		
111.5-12	Resource Room	S	11:52	0		
111.5-13	CR118	S	11:53	0		
111.5-14	CR117	S	11:53	0		
111.5-15	CR116	S	11:54	0		
111.5-16	CR115	S	11:54	0		
111.5-17	CR114	S	11:55	0		
111.5-18	CR113	S	11:55	0		



Notes:
 Please e-mail lab results to labs@stohlenv.com If checked, also e-mail results to: _____

Sampled By: Mike Irwin Print Name Stohl Env: Mike Irwin Date: 9/24/2016

Relinquished By: Eric Henderson Jr. Print Name Stohl Env: Eric Henderson Jr. Date: 9/27/2016

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: _____



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) Schneider

STOHL Job # 2016L-111.5

Client: Niagar Falls CSD

Contact: Dave Spacone

Building: Henry J. Kalfas

Location: 1800 Beech Ave. Niagara Falls NY

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
111.5-19	CR112	S	11:56	0		
111.5-20	CR111	S	11:56	0		
111.5-21	STEM Lab	S	12:04	0		
111.5-22	STEM Lab Stor.	S	12:05	0		
111.5-23	STEM Lab BR	S	12:06	0		
111.5-24	CO STEM Lab	DF	12:09	0		
111.5-25	CO STEM Lab	DF	12:10	0		
111.5-26	CR109	S	12:15	0		
111.5-27	CR110	S	12:15	0		
111.5-28	CR107	S	12:16	0		
111.5-29	CR108	S	12:16	0		
111.5-30	CR105	S	12:17	0		
111.5-31	CR106	S	12:17	0		
111.5-32	Health Clinic	S	12:27	0		
111.5-33	Health Clinic BR	S	12:28	0		
111.5-34	Faculty BR	S	12:30	0		
111.5-35	Faculty Rm	S	12:31	0		
111.5-36	BBR	S	12:35	0		

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

Sampled By: Mike Irwin Print Name Stohl Env: Mike Irwin Date: 9/24/2016

Relinquished By: *Eric Henderson Jr.* Print Name Stohl Env: Eric Henderson Jr. Date: 9/27/2016

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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Submitted to: (Lab Name) Schneider

STOHL Job # 2016L-111.5

Client: Niagar Falls CSD

Contact: Dave Spacone

Building: Henry J. Kalfas

Location: 1800 Beech Ave. Niagara Falls NY

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
111.5-37	BBR	S	12:35	0		
111.5-38	GBR	S	12:36	0		
111.5-39	GBR	S	12:36	0		
111.5-40	Cafeteria	DF	12:41	0		
111.5-41	Cafeteria	DF	12:41	0		
111.5-42	Cafeteria	S	12:42	0		
111.5-43	Kitchen	S	12:52	0		
111.5-44	Kitchen	S	12:53	0		
111.5-45	Kitchen	S	12:53	0		
111.5-46	Kitchen	S	12:54	0		
111.5-47	Kitchen	S	12:54	0		
111.5-48	Kitchen	Cook Vessel	12:55	0		
111.5-49	Kitchen	S	12:56	0		
111.5-50	Faculty BR	S	1:17	0		
111.5-51	GLR	S	1:18	0		
111.5-52	CO GPEO	DF	1:19	0		
111.5-53	GPEO	S	1:20	0		
111.5-54	BPEO	S	1:21	0		

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

Sampled By: Mike Irwin Print Name Stohl Env: Mike Irwin Date: 9/24/2016

Relinquished By: [Signature] Print Name Stohl Env: Eric Henderson Jr. Date: 9/27/2016

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: _____

