

NY Lab ID 11534

CERTIFICATE OF ANALYSIS

Project Name:	Bolton Central School Distri	Workorder:	C015509	
Mike Graney				
Bolton Central Scho	pol District			
26 Horicon Avenue				
Bolton Landing, NY	7 12814			

May 16, 2016

Dear Mike Graney,

Project Name and Number:

This report relates only to the sample(s) as received by the laboratory. Laboratory reports may not be reproduced, except in full, without the written approval of the laboratory.

Bolton Central School District

The issuance of the final Certificate of Analysis takes precedence over any previous Preliminary Report. Caution is advised for the utilization of preliminary data included in reports labeled as "Preliminary Report" and should not be used for regulatory purposes. A laboratory signature is provided on final reports only.

If you have any questions in reference to this laboratory report, please contact your CNA Environmental project coordinator or laboratory manager listed at the bottom of this report at (518) 884-0800.

Note: This coverpage is included as part of the Analytical Report and must be retained as a permanment record thereof.

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Laboratory Manager

CNA Environmental, LLC

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Client:

Bolton Central School District 26 Horicon Avenue Bolton Landing , NY 12814

<u>Project:</u> Bolton Central School District

CNA Environmental, LLC received the sample(s) associated with this batch in compliance with NYSDOH guidelines. The requested analysis methods and results are detailed in the following data summary reports. Any exceptions to method procedures are listed in the comments section below.

To meet the New York Sanitary Code for Public Drinking Water, Total Coliform must be absent or <1; all other analytes must be less than or equal to the MCL.

Metals:

Sample(s) meet the NYSDOH MCL criteria for Lead.

Exceptions: Sample 29 First Draw does NOT meet the NYSDOH MCL criteria for Lead (MCL = 0.015 mg/L). Conversely, Sample 29 Follow Up (flushed for 30 seconds) meets the NYSDOH MCL criteria for Lead.

CNA Sample Reference

Please note school floor plans have been attached at the end of this report showing exact sampling locations for this project. Moreover, references to direction ("Left", "Right", etc.) are listed from the perspective of "looking at" the referred to location. A summary is listed below.

First Floor:

Sample 01: Sink, Nurse Room 105
Sample 02: Sink, Nurse Room 105, Toilet
Sample 03: Sink, Classroom 102
Sample 04: Sink, Classroom 100
Sample 05: Water Cooler, Hallway adjacent to Office Room 112 and Classroom 106
Sample 06: Sink, Cafeteria Room 115 Kitchen, Prep Station
Sample 07: Sink, Cafeteria Kitchen Room 115, Dishwash Station Left
Sample 08: Sink, Cafeteria Kitchen Room 115, Dishwash Station Center
Sample 09: Sink, Cafeteria Kitchen, Dishwash Station Right
Sample 10: Water Cooler, Cafeteria Room 115 Right
Sample 11: Water Cooler, Cafeteria Room 115 Left

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The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Krzysztof Trafalski For Sara Bogardus, Field Coordinator



27 Kent Street, Suite 102 Ballston Spa, NY 12020

Sample 13: Water Cooler, Hallway adjacent to Boy's/Girls Toilet

Third Floor:

Sample 14: Water Cooler, Hallway across from Classroom 332 and Classroom 334

Second Floor:

Sample 15: Water Cooler, Hallway adjacent to Stairs and Vocal Music Room 248 Sample 16: Sink, Classroom 247 Left Sample 17: Sink, Classroom 247 Right Sample 18: Sink, Classroom 229 Left Sample 19: Sink, Classroom 229 Right Sample 20: Sink, Classroom 216 Toilet Sample 20: Sink, Classroom 216 Toilet Sample 21: Water Cooler, Hallway adjacent to Classroom 216 Left Sample 22: Sink, Staff Room 212 Sample 23: Water Cooler, Hallway adjacent to Classroom 216 Right Sample 24: Sink, Classroom 206 Sample 25: Sink, Classroom 204 Sample 26: Sink, Classroom 202 Sample 27: Sink, Classroom 203 Sample 28: Sink, Classroom 200 Sample 29: Sink, Classroom 201

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Total Metals

Date Received: 04/26/16 14:13

Sample							Sample			
ID#	Analysis	Method	Results	RL	Units	MCL	Point	Sampled	Analyzed	Notes
C015509-01	Lead, First Draw	SM21 3113B	0.002	0.002	mg/L	0.015	Sample 01	4/26/16 10:30	4/29/16 16:25	S1
C015509-02	Lead, First Draw	SM21 3113B	ND	0.002	mg/L	0.015	Sample 02	4/26/16 10:32	4/29/16 16:25	S1, U
C015509-03	Lead, First Draw	SM21 3113B	ND	0.002	mg/L	0.015	Sample 03	4/26/16 10:33	4/29/16 16:25	S1, U
C015509-04	Lead, First Draw	SM21 3113B	0.005	0.002	mg/L	0.015	Sample 04	4/26/16 10:35	4/29/16 16:25	S1
C015509-05	Lead, First Draw	SM21 3113B	ND	0.002	mg/L	0.015	Sample 05	4/26/16 10:38	4/29/16 16:25	S1, U
C015509-06	Lead, First Draw	SM21 3113B	ND	0.002	mg/L	0.015	Sample 06	4/26/16 10:40	4/29/16 16:25	S1, U
C015509-07	Lead, First Draw	SM21 3113B	ND	0.002	mg/L	0.015	Sample 07	4/26/16 10:42	4/29/16 16:25	S1, U
C015509-08	Lead, First Draw	SM21 3113B	ND	0.002	mg/L	0.015	Sample 08	4/26/16 10:43	4/29/16 16:25	S1, U
C015509-09	Lead, First Draw	SM21 3113B	ND	0.002	mg/L	0.015	Sample 09	4/26/16 10:44	4/29/16 16:25	S1, U
C015509-10	Lead, First Draw	SM21 3113B	ND	0.002	mg/L	0.015	Sample 10	4/26/16 10:47	4/29/16 16:25	S1, U
C015509-11	Lead, First Draw	SM21 3113B	ND	0.002	mg/L	0.015	Sample 11	4/26/16 10:48	4/29/16 16:25	S1, U
C015509-12	Lead, First Draw	SM21 3113B	ND	0.002	mg/L	0.015	Sample 12	4/26/16 10:49	4/29/16 16:25	S1, U
C015509-13	Lead, First Draw	SM21 3113B	ND	0.002	mg/L	0.015	Sample 13	4/26/16 10:50	4/29/16 16:25	S1, U
C015509-14	Lead, First Draw	SM21 3113B	ND	0.002	mg/L	0.015	Sample 14	4/26/16 11:10	4/29/16 16:25	S1, U
C015509-15	Lead, First Draw	SM21 3113B	ND	0.002	mg/L	0.015	Sample 15	4/26/16 11:12	4/29/16 16:25	S1, U
C015509-16	Lead, First Draw	SM21 3113B	0.002	0.002	mg/L	0.015	Sample 16	4/26/16 11:15	4/30/16 12:15	S1
C015509-17	Lead, First Draw	SM21 3113B	ND	0.002	mg/L	0.015	Sample 17	4/26/16 11:16	4/30/16 12:15	S1, U
C015509-18	Lead, First Draw	SM21 3113B	ND	0.002	mg/L	0.015	Sample 18	4/26/16 11:17	4/30/16 12:15	S1, U
C015509-19	Lead, First Draw	SM21 3113B	ND	0.002	mg/L	0.015	Sample 19	4/26/16 11:20	4/30/16 12:15	S1, U
C015509-20	Lead, First Draw	SM21 3113B	ND	0.002	mg/L	0.015	Sample 20	4/26/16 11:23	4/30/16 12:15	S1, U
C015509-21	Lead, First Draw	SM21 3113B	ND	0.002	mg/L	0.015	Sample 21	4/26/16 11:24	4/30/16 12:15	S1, U
C015509-22	Lead, First Draw	SM21 3113B	ND	0.002	mg/L	0.015	Sample 22	4/26/16 11:25	4/30/16 12:15	S1, U
C015509-23	Lead, First Draw	SM21 3113B	ND	0.002	mg/L	0.015	Sample 23	4/26/16 11:27	4/30/16 12:15	S1, U
C015509-24	Lead, First Draw	SM21 3113B	ND	0.002	mg/L	0.015	Sample 24	4/26/16 11:30	4/30/16 12:15	S1, U
C015509-25	Lead, First Draw	SM21 3113B	ND	0.002	mg/L	0.015	Sample 25	4/26/16 11:34	4/30/16 12:15	S1, U
C015509-26	Lead, First Draw	SM21 3113B	ND	0.002	mg/L	0.015	Sample 26	4/26/16 11:36	4/30/16 12:15	S1, U
C015509-27	Lead, First Draw	SM21 3113B	ND	0.002	mg/L	0.015	Sample 27	4/26/16 11:39	4/30/16 12:15	S1, U
C015509-28	Lead, First Draw	SM21 3113B	ND	0.002	mg/L	0.015	Sample 28	4/26/16 11:41	4/30/16 12:15	S1, U
C015509-29	Lead, First Draw	SM21 3113B	0.064	0.002	mg/L	0.015	Sample 29	4/26/16 11:42	5/2/16 15:22	S1
Sample	Analysis						Sample		Analyzed	Notos

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The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Krzysztof Trafalski For Sara Bogardus, Field Coordinator



Total Metals								Date Received: 04	/26/16 14:13	
Sample							Sample			
ID#	Analysis	Method	Results	RL	Units	MCL	Point	Sampled	Analyzed	Notes
C015509-30	Lead	SM21 3113B	ND	0.002	mg/L	0.015	Sample 29 Follow Up	4/26/16 11:42	5/2/16 15:22	S1

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Notes and Definitions

U	Compound not detected
S1	Sample(s) collected per Field Sampling SOP
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the Reporting Limit (RL)
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
<	Less than reporting limit
<u><</u>	Less than or equal to reporting limit
>	Greater than reporting limit
<u>></u>	Greater than or equal to reporting limit
MDL	Method Detection Limit
RL	Reporting Limit
MCL/AL	Maxium Contaminant Level*/Action Level
mg/kg wet	Results reported as wet weight
TTLC	Total Threshold Limit Concentration
STLC	Soluble Threshold Limit Concentration
TCLP	Toxicity Characteristic Leachate Procedure

*MCL values listed in this report are taken from the New York State Department of Health Part 5, Subpart 5 - 1 Public Water System Tables. A full list of parameters and their associated MCL values can be found on the New York Department of Health's website, *www.health.ny.gov*. Please note that some parameters tested may not have an associated MCL value. In other cases, a listed MCL value may refer to a recommended result limit or result equivalent to another parameter; as is the case for heterotrophic plate count (HPC). HPC results equal to or less than 500 colonies/mL is considered to be equivalent to a measurable free chlorine residual.

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Mailing/Billing Address: Email: MC しろの し		Samples were: Snip (Hand, Drop		CNA USE ONLY	All other analyses will be forwarded to an NYS DC CNA is unable to perform an analysis.	Potable water: chloride, coliform, color, conductiv Non-Potable water: BOD, CBOD, coliform (fecal s turbidity	CNA Environmental LLC's mission is to be certifie	Relinquished by:	Relinquished by:	Relinquished by:	13/13/13	120 12	Na II	er vol	ypa q	1ºa B	ma y	10a 6	scale S	Magozh 4	Radetto 3	MOR 2	la Ole I+F	Lab ID (CNA Use) Sample Point	lobition candung.	De Hovican Ave	BOLLON CSD	Owner Name and Address	a de la companya de l	drinning hater - how-potable hater - milk -			a National Analytic Labs
	Labels Match C	Properly Preser		ry samples be sent to a sub li	OH ELAP/NELAC approved lab	vity, copper, e. Coli, fluoride,lea and total), e. Coli, standard pla	by the New York State Dept.	Received by La	Received by:	Received by:	<u>م</u>	W I											42416 1	t Date	12814 Ra	2		Chain of Cust	M-F 8:00	FOOD - AIR		Rallo	
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				tion of CNA. Is this a	ht to use an approved	ids (total dissolved), le,sulfate, pH, solids(s	wing analyses:	ES A			0											-	Z	Water ;	ng water (chlorina) ater, NPW = Non-p	San	you-ext.	Dor	M - Noon			3030	invironm
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Email:	Mailing/Billing Address:	Containers Intact: W N Labels Match C	Samples were: Ship (Hand) Drop Properly Preser	CNA USE ONLY	CNA is unable to perform an analysis. Customer aknowledges and agrees to allow any samples be sent to a sub in	All other analyses will be forwarded to an NYS DOH ELAP/NELAC approved lab	Potable water: chloride, coliform, color, conductivity, copper, e. Coli, fluoride,le, Non-Potable water: BOD, CBOD, coliform (fecal and total), e. Coli, standard plate to the s	CNA Environmental LLC's mission is to be certified by the New York State Dept.	Relinquished by: Received by La	Relinquished by: Received by:	Relinquished by: Received by:	269 28 3	259 25	and the by the second s	739 23	22 9 22	21 q 21	209 20 N		189 B	D D D D	1 P1 D1	15 a 15	1 and a in the part of the line	Lab ID Sample Point Date	Ra	Pu	1221 TON CSD	Chain of Custo	M-F 8:00 /	DRINKJRG WATER • NON-POTABLE WATER • MILX • FOOD • AM		Balls	- Certified National Analytic Labs	
	Comments:	COC: PN	ived N	N	lab for analysis at the disgretion of CNA. Is	boratory. CNA reserves the right to use an app	ead, nitrate, nitrite, odor, pH, solids (total dissolate count, flouride, nitrate, nitrite,sulfate, pH, sc	st. of Health to perform the following analyses:	aboratory in Ballston Spa:			1136 AIP to the	N34 AIP	N30 A/P	NOT AP	NZS AIP	W2W AP	123 A/P	ND AP	AP	VII6 AVP	IIIS AP	1112 A/P	NO AP CT DO	Time AM Grab or Water PM Composite Type	/ater Types: DW = Drinking water (chlo aw = Untreated source water, NPW = N	ublic Water Supply#		ody Form	AM - 4:30 PM Sat 10:00 AM - Noon	Main Office and Lab	(518) 884-0800	ston Spa. NY 12020	97 Kant Street	CNA Enviror
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CNA Env 27 Kent Street Ballston Spa, NY 1202 (518) 884-0800 Fax# (518) 884-0800 Fax# (518) 884-0800 Fax# (518) 884-0800 Fax# (518) 884-0800 Fax# (518) 884-0800 Fax# (518) 884-0801 Main Office and Lab M-F 6:00 AN -4:30 PW Sal 10:00 AM -NO Contact Phone Public Water Supply Water Types: DW = Drinking water Rever untreated source water, NM Raw = Untreated Source water, NM Composite Time PM Composite Time PM Composite Time PM Composite Time PM AnP ANP ANP ANP ANP ANP ANP ANP AN	CNA Environmer	Email:	Containers Intact: (N	Samples were: Ship (Hand/ Drop	CNA USE ONLY	Customer aknowledges and agrees to allow a	All other analyses will be forwarded to an NYS D CNA is unable to perform an analysis.	Potable water: chloride, collform, color, conduci Non-Potable water: BOD, CBOD, colliform (feca turbidity	CNA Environmental LLC's mission is to be certil	Relinquished by:	Retiniquistied by:		Relinguished by:									Z95 297	29a 29	(SPEg 2%	5 Ma 27	Lab ID (CNA Use) Sample Poi		Follow (SI	Owner Name and Address			DRINKING WATER · MOR-POTABLE WATER · MIL		Certined National Analytic Labs	
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