

NY Lab ID 11534

CERTIFICATE OF ANALYSIS

Project Name:	Salem Water Dept	Workorder:	C029881
Town of Salem			
Town of Salem			
PO Box 214			
Salem, NY 12865			

Salem Water Dept PWS NY5730106

October 11, 2017

Dear Town of Salem,

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.

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.

Joing CSmit Laboratory Manager

CNA Environmental, LLC

Jong CSmit

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.



<u>Client:</u> Town of Salem

PO Box 214 Salem, NY 12865

Project:

Salem Water Dept PWS NY5730106

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 the parameters shown in the results section.

Exceptions: Manganese (MCL = 0.3 mg/L)

al Metals by	SM3111B	Date Received: 09	9/20/17 12:50							
Sample ID#	Analysis	Method	Results	RL	Units	MCL	Sample Point	Sampled	Analyzed	Notes
C029881-01	Iron	SM 3111 B	0.113	0.0100	mg/L	0.3	Well #1	9/20/17 08:00	9/28/17 00:00	PE
C029881-02	Iron	SM 3111 B	0.0100	0.0100	mg/L	0.3	Well #2	9/20/17 08:15	9/28/17 00:00	PE
C029881-03	Iron	SM 3111 B	0.0560	0.0100	mg/L	0.3	Well #3	9/20/17 08:00	9/28/17 00:00	PE
tal Metals	1011	5111 D	0.0000	0.0100	mg/∟	0.5	WCI #J	Date Received: 09	-, -,	

I Utal metals								Date Received.	/20/1/ 12.50	
Sample							Sample			
ID#	Analysis	Method	Results	RL	Units	MCL	Point	Sampled	Analyzed	Notes
C029881-01	Manganese	SM21 3111B	0.098	0.001	mg/L	0.3	Well #1	9/20/17 08:00	9/28/17 00:00	PE
C029881-02	Manganese	SM21 3111B	0.351	0.001	mg/L	0.3	Well #2	9/20/17 08:15	9/28/17 00:00	PE
C029881-03	Manganese	SM21 3111B	0.479	0.001	mg/L	0.3	Well #3	9/20/17 08:00	9/28/17 00:00	PE

CNA Environmental, LLC

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.

Jong CSmith

Jeremy C. Smith For Pam J. Higgins-Brown, Customer Service Page 2 of 4 C029881 CNA_DW_Summary2016 FINAL 10 11 17 0914 10/11/17 09:14:43



Notes and Definitions

PE	Analysis Performed by NYSDOH ELAP # 11301
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
≥	Greater than or equal to reporting limit
MDL	Method Detection Limit
RL	Reporting Limit-Lowest concentration level that is reportable
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.

All work performed by CNA Environmental, LLC is subject to its terms and conditions of services viewable at our office and our website: www.cnawater.com/about-us/terms

CNA Environmental, LLC

Jong CSmith

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.

Mailing/Billing Address:	Containers Intacty Y/N	Samples were: Ship / Hand / Drop	CNA USE ONLY	direction given by the client on how to procee	Sample Retention Times. Finished products are kept unit code date unless otherwise davised, crimicinitential spunges, water, and any other semiples man in saved after testing is complete, unless otherwise instructed by the regulatory body. Any atypical results: the client is contacted ASAP and CNA retains the sa	CNA is unable to perform an analysis.	All other analyses will be forwarded to an NYS DOH ELAP/NELAC approved laboratory. CNA reserves the right to use an approved laboratory for any and a	CNA also conducts hardness (total) and sulfide on potable water and dissolved oxygen on non-potable water.	(dissolved, settleable and suspended), specific conductance, sulfate, sulfide, turbidity, and zinc.	Non-Potable water: ammonia, BOD, CBOD,	Fordate water, anaminy, vacuum nerviness, oneone, ownorm, own, own, ownowning, copper, ourosivny, e. con, nuonae, nun, isad, maiganess, micrae, miniter solids (total dissolved), standard older counts strate, turbidity and zinc.	CNA Environmental, LLC's mission is to be certified by the New York state Lept. of Health to perform the following analyses:		Relinquished by:	NAME AND ADDRESS OF ADDR	Relinquished by:	Vallindration	Dollaritchen bu			A DATA										03 Well #	02 Well #2	01 Well #1	(CNA Use) Sample Point	LabID	Salem NY 12865	MY N'TH VALUES FC	n f	Town of Salan u	Owner Name & Property Address of Site Sampled	da para maké na mangang kané na kané na bang na kané kané na ka	• Rest of a construction of the second statement of	ውስት የሚያስት በማስከታ የሚያስት የሚያስት የሚያስት የሆኑ የሚያስት የ				Certified National Analytic Labs	
	Labe	Ргор	COC	id.	vise instructed by the	we beet that each as	S DOH ELAP/NELAC	de on potable water	ic conductance, suffe	coliform (fecal and to	sulfate, turbidity and	entitied by the New Y		Rece		Rece	Nece	0000													3 9/20	9,	1 9/2e/17			• 1	K A		Salen water Deat	Site Sampled	Chain of Custody Form							and the second
	els Mat	erly Pr	Comp		are unies e regulato		C approv	and diss	ate, sulfic	otal), chr	zinc.	fork State		ived b		Received by:	iveu by	Donoisod by:													71/0	120/17	bh7	Date					,		Cus	M-F 8:0				ת ע		
	Labels Match COC	Properly Preserved: Y N	COC Complete: V N		ory body. An		ed laboratory	olved oxyge	ie, turbidity,	omium, e. C	activity, cop	e Dept. of He		y Laborato	development of the state of the	Y:	·														00:8	5118	8:00	Time		Raw = Un	10	Public Water Supply#:		Contact P	tody	0 AM - 4:3	Main	Fax# (!	(518)		27 K	
	5) 2	∫≺ z)z		advised ly atypic	2211222	y. CNA	n on noi	and zin	oli, hard	ipei, cui	eaith to		ory in E						AP	AP	1	Q/D	A/P	AP	A/P		A D	A/P	A/P	Д. Д	(A)P	a p		AM	ט : htreated	750	ater Su	215	hone	For	0 PM S	Office a	518) 8	884	ת כ ע	ent	C
					al results: the cl		reserves the rig	1-potable water.	ų :	ness (total), iror	rosivity, e. Coil,	perform the tolic		Received by Laboratory in Ballston Spa:	NAME AND ADDRESS OF TAXABLE PARTY OF TAXABLE PARTY OF TAXABLE PARTY.	and a second												والمحاوية والمحاولة المحاولة والمحاولة والمحاولة والمحاولة والمحاولة والمحاولة والمحاولة والمحاولة والمحاولة و			622	Sa 5	Grab	Composite	Grab or	w = Drinking i source wat	9010575	pply#:	1	022-6	n	M-F 8:00 AM - 4:30 PM Sat 10:00 AM - Noon	Main Office and Lab	Fax# (518) 884-0801	(518) 884-0800	Balleton Sna NV 12020	27 Kent Street	
					i spunges, wa ient is contact		pht to use an a			h, lead, mangi		owing analyse				4	interest of the second s														Raw	Raw	Kaw	Туре	Water	i water (cni) er, NPW = N			711	2		- Noon				non		viron
					ted ASAP and		approved labo			anese, nickel,	, icau, iliailigai	IS.	4			الم	L.															-	-	bottles	# -	vrination, u Von-potable	Pc	Sample So	CINHIL	Person tak			S		(Glone		ment
	Method of Payr	On Ice/Cooling	Temp. Upon R		CNA retains the		ratory for any an			nitrate, nitrite, p	iese, intrate, intr		1L	Date/Time:		Date/Time:		Data/Time:													PE	F	ŁĘ	NO-MALE DATA DATA DATA DATA DATA DATA DATA DAT		water Types: DW = Drinking water (chlorniation, DV system, resid Raw = Untreated source water, NPW = Non-potable other (ie lake),	public wa	ž	S Keys	g sam	02029	M-F 8:00 AM	atellite Office (Fax# (518) :	(518) 79;		172 Ridge	CNA Environmental LLC
	ayment:	N N N	Receipt: 10,44		e sample based on the		nd all analyses in the event that			oH, phenols, silver, solids	ille, uuui, pri, siivei, suuluiii,		10114 103		ne ye mana da na Muza da ja kuma na ja mana da na mana	and the second	70 · · · · · · · · · · · · · · · · · · ·		2			والمتركبة والمراجبة			and a second	na na manana na manan	an marka sa shi na mana ka ka shi ka na ka sa sa ka sa				NW +	NW *	* MN	Required		e), WW = waste water.					1 586	VM - 3:30 PM	3	3) 792-1261	2-117	e .	ge Street	0
			<u> </u>	1	20			Pa	ago	e 4			(C(ב 29	88 ,	1 (_C CN/	. A \	D۷	/_5	 Sur	 nm	lary	/20	 16	FIN	 AL	 10	11	17	091	 4 10)/11	/17 (09:	:14:	 43				of house water	Reaction of the second s						

¥

Na₂S₂O₃ Used: Y / N