



Life Science Laboratories, Inc.

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Laboratory Analysis Report

Prepared For

Wellsville Water Treatment Plant

LSL Project ID: 1700858

Receive Date/Time: 01/17/17 13:40

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LSL Central Lab
5854 Butternut Drive
East Syracuse, NY 13057
Tel. (315) 445-1900
Fax (315) 445-1104
NYS DOH ELAP #10248
PA DEP #68-2556

LSL North Lab
131 St. Lawrence Avenue
Waddington, NY 13694
Tel. (315) 388-4476
Fax (315) 388-4061
NYS DOH ELAP #10900

LSL Finger Lakes Lab
16 N. Main St., PO Box 424
Wayland, NY 14572
Tel. (585) 728-3320
Fax (585) 728-2711
NYS DOH ELAP #11667

LSL Southern Tier Office
Cuba, NY
Tel. (585) 209-4032

LSL MidLakes Office
Canandaigua, NY
Tel. (585) 728-3320

Reviewed by:


LaDonna Kibler, Quality Assurance

Date:

2/8/17

- - LABORATORY ANALYSIS REPORT - -

Wellsville Water Treatment Plant Wellsville, NY

Sample ID: **Entry Point** **LSL Sample ID:** **1700858-001**
Location:
Sampled: 01/17/17 9:00 **Sampled By:** DH
Sample Matrix: PWS

Analytical Method		Prep Method	Prep	Analysis	Analyst
Analyte	Result	Units	Date	Date & Time	Initials
(1) EPA 200.7 Metals		EPA 200.2			
Please refer to the next page					MT
(1) EPA 200.8 Metals		EPA 200.2			
Please refer to the next page					MT
(1) EPA 335.4 Total Cyanide					
Cyanide, Total	<0.005	mg/l	1/27/17	1/27/17	JJC
(1) EPA 524.2 POCs, Vinyl chloride & MTBE					
Benzene	<0.5	ug/l		1/18/17	MSV
Bromobenzene	<0.5	ug/l		1/18/17	MSV
Bromochloromethane	<0.5	ug/l		1/18/17	MSV
Bromomethane	<0.5	ug/l		1/18/17	MSV
sec-Butylbenzene	<0.5	ug/l		1/18/17	MSV
n-Butylbenzene	<0.5	ug/l		1/18/17	MSV
tert-Butylbenzene	<0.5	ug/l		1/18/17	MSV
Carbon tetrachloride	<0.5	ug/l		1/18/17	MSV
Chlorobenzene	<0.5	ug/l		1/18/17	MSV
Chloroethane	<0.5	ug/l		1/18/17	MSV
Chloromethane	<0.5	ug/l		1/18/17	MSV
2-Chlorotoluene	<0.5	ug/l		1/18/17	MSV
4-Chlorotoluene	<0.5	ug/l		1/18/17	MSV
Dibromomethane	<0.5	ug/l		1/18/17	MSV
1,2-Dichlorobenzene	<0.5	ug/l		1/18/17	MSV
1,3-Dichlorobenzene	<0.5	ug/l		1/18/17	MSV
1,4-Dichlorobenzene	<0.5	ug/l		1/18/17	MSV
Dichlorodifluoromethane	<0.5	ug/l		1/18/17	MSV
1,1-Dichloroethane	<0.5	ug/l		1/18/17	MSV
1,2-Dichloroethane	<0.5	ug/l		1/18/17	MSV
cis-1,2-Dichloroethene	<0.5	ug/l		1/18/17	MSV
1,1-Dichloroethene	<0.5	ug/l		1/18/17	MSV
trans-1,2-Dichloroethene	<0.5	ug/l		1/18/17	MSV
1,2-Dichloropropane	<0.5	ug/l		1/18/17	MSV
1,3-Dichloropropane	<0.5	ug/l		1/18/17	MSV
2,2-Dichloropropane	<0.5	ug/l		1/18/17	MSV
1,1-Dichloropropene	<0.5	ug/l		1/18/17	MSV
cis-1,3-Dichloropropene	<0.5	ug/l		1/18/17	MSV
trans-1,3-Dichloropropene	<0.5	ug/l		1/18/17	MSV
Ethyl benzene	<0.5	ug/l		1/18/17	MSV
Hexachlorobutadiene	<0.5	ug/l		1/18/17	MSV
Isopropylbenzene (Cumene)	<0.5	ug/l		1/18/17	MSV
4-Isopropyl toluene (Cymene)	<0.5	ug/l		1/18/17	MSV
Methylene chloride	<0.5	ug/l		1/18/17	MSV
n-Propylbenzene	<0.5	ug/l		1/18/17	MSV
Styrene	<0.5	ug/l		1/18/17	MSV
1,1,1,2-Tetrachloroethane	<0.5	ug/l		1/18/17	MSV

Analysis performed at: (1) LSL Central Lab, (2) LSL North Lab, (3) LSL Finger Lakes Lab



Life Science Laboratories, Inc.
 5854 Butternut Drive
 East Syracuse, NY 13057 (315) 445-1900

Analytical Results

State Certification No: 10248

CLIENT: Life Science Labs-LIMS
Project: 1700858-Wellsville Water Treatment Plant
Location:
Matrix: PWS

Client Sample ID: *Entry Point*
Lab ID: K1701203-001A
Collection Date: 01/17/17 9:00
Date Received: 01/17/17 13:40

Analyte	Result and Qualifiers	Units	Date Analyzed
TOTAL METALS BY ICP			
Sodium	8.2	EPA 200.7 mg/L	(EPA 200.2) 01/26/17 18:22
METALS BY ICPMS			
Antimony	< 0.00040	EPA 200.8 mg/L	(EPA 200.2) 02/02/17 14:03
Arsenic	< 0.0010	mg/L	02/02/17 14:03
Barium	0.036	mg/L	02/02/17 14:03
Beryllium	< 0.00030	mg/L	02/02/17 14:03
Cadmium	< 0.0010	mg/L	02/02/17 14:03
Chromium	< 0.0010	mg/L	02/02/17 14:03
Mercury	< 0.00020	mg/L	02/02/17 14:03
Nickel	0.00080	mg/L	02/02/17 14:03
Selenium	< 0.0010	mg/L	02/02/17 14:03
Thallium	< 0.00030	mg/L	02/02/17 14:03

Qualifiers:

- * Value may exceed the Acceptable Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits

-- LABORATORY ANALYSIS REPORT --

Wellsville Water Treatment Plant Wellsville, NY

Sample ID:	Entry Point	LSL Sample ID:	1700858-001
Location:			
Sampled:	01/17/17 9:00	Sampled By:	DH
Sample Matrix: PWS			

Analytical Method	Result	Prep Method	Prep	Analysis	Analyst
Analyte	Units		Date	Date & Time	Initials
<i>(1) EPA 524.2 POCs, Vinyl chloride & MTBE</i>					
1,1,2,2-Tetrachloroethane	<0.5 ug/l			1/18/17	MSV
Tetrachloroethene	<0.5 ug/l			1/18/17	MSV
Toluene	<0.5 ug/l			1/18/17	MSV
1,2,3-Trichlorobenzene	<0.5 ug/l			1/18/17	MSV
1,2,4-Trichlorobenzene	<0.5 ug/l			1/18/17	MSV
1,1,1-Trichloroethane	<0.5 ug/l			1/18/17	MSV
1,1,2-Trichloroethane	<0.5 ug/l			1/18/17	MSV
Trichloroethene	<0.5 ug/l			1/18/17	MSV
Trichlorofluoromethane (Freon 11)	<0.5 ug/l			1/18/17	MSV
1,2,3-Trichloropropane	<0.5 ug/l			1/18/17	MSV
1,2,4-Trimethylbenzene	<0.5 ug/l			1/18/17	MSV
1,3,5-Trimethylbenzene	<0.5 ug/l			1/18/17	MSV
Vinyl chloride	<0.5 ug/l			1/18/17	MSV
MTBE	<0.5 ug/l			1/18/17	MSV
Xylenes (Total)	<0.5 ug/l			1/18/17	MSV
Surrogate (1,2-DCA-d4)	106 %R			1/18/17	MSV
Surrogate (Tol-d8)	101 %R			1/18/17	MSV
Surrogate (4-BFB)	98 %R			1/18/17	MSV
<i>(1) EPA Method 300.0 A</i>					
Fluoride	0.54 mg/l			1/18/17 13:09	CRT
<i>(1) Nitrate-N by HACH Method 10206</i>					
Nitrate as N	1.5 mg/l			1/18/17 13:37	CRT

- - LABORATORY ANALYSIS REPORT - -

Wellsville Water Treatment Plant Wellsville, NY

Sample ID:	Trip Blank	LSL Sample ID:	1700858-002
Location:			
Sampled:	12/26/16 10:10	Sampled By:	
Sample Matrix:	TB		

Analytical Method Analyte	Result	Prep Method Units	Prep Date	Analysis Date & Time	Analyst Initials
<i>(1) EPA 524.2 POCs, Vinyl chloride & MTBE</i>					
Benzene	<0.5	ug/l		1/18/17	MSV
Bromobenzene	<0.5	ug/l		1/18/17	MSV
Bromochloromethane	<0.5	ug/l		1/18/17	MSV
Bromomethane	<0.5	ug/l		1/18/17	MSV
sec-Butylbenzene	<0.5	ug/l		1/18/17	MSV
n-Butylbenzene	<0.5	ug/l		1/18/17	MSV
tert-Butylbenzene	<0.5	ug/l		1/18/17	MSV
Carbon tetrachloride	<0.5	ug/l		1/18/17	MSV
Chlorobenzene	<0.5	ug/l		1/18/17	MSV
Chloroethane	<0.5	ug/l		1/18/17	MSV
Chloromethane	<0.5	ug/l		1/18/17	MSV
2-Chlorotoluene	<0.5	ug/l		1/18/17	MSV
4-Chlorotoluene	<0.5	ug/l		1/18/17	MSV
Dibromomethane	<0.5	ug/l		1/18/17	MSV
1,2-Dichlorobenzene	<0.5	ug/l		1/18/17	MSV
1,3-Dichlorobenzene	<0.5	ug/l		1/18/17	MSV
1,4-Dichlorobenzene	<0.5	ug/l		1/18/17	MSV
Dichlorodifluoromethane	<0.5	ug/l		1/18/17	MSV
1,1-Dichloroethane	<0.5	ug/l		1/18/17	MSV
1,2-Dichloroethane	<0.5	ug/l		1/18/17	MSV
cis-1,2-Dichloroethene	<0.5	ug/l		1/18/17	MSV
1,1-Dichloroethene	<0.5	ug/l		1/18/17	MSV
trans-1,2-Dichloroethene	<0.5	ug/l		1/18/17	MSV
1,2-Dichloropropane	<0.5	ug/l		1/18/17	MSV
1,3-Dichloropropane	<0.5	ug/l		1/18/17	MSV
2,2-Dichloropropane	<0.5	ug/l		1/18/17	MSV
1,1-Dichloropropene	<0.5	ug/l		1/18/17	MSV
cis-1,3-Dichloropropene	<0.5	ug/l		1/18/17	MSV
trans-1,3-Dichloropropene	<0.5	ug/l		1/18/17	MSV
Ethyl benzene	<0.5	ug/l		1/18/17	MSV
Hexachlorobutadiene	<0.5	ug/l		1/18/17	MSV
Isopropylbenzene (Cumene)	<0.5	ug/l		1/18/17	MSV
4-Isopropyl toluene (Cymene)	<0.5	ug/l		1/18/17	MSV
Methylene chloride	<0.5	ug/l		1/18/17	MSV
n-Propylbenzene	<0.5	ug/l		1/18/17	MSV
Styrene	<0.5	ug/l		1/18/17	MSV
1,1,1,2-Tetrachloroethane	<0.5	ug/l		1/18/17	MSV
1,1,2,2-Tetrachloroethane	<0.5	ug/l		1/18/17	MSV
Tetrachloroethene	<0.5	ug/l		1/18/17	MSV
Toluene	<0.5	ug/l		1/18/17	MSV
1,2,3-Trichlorobenzene	<0.5	ug/l		1/18/17	MSV
1,2,4-Trichlorobenzene	<0.5	ug/l		1/18/17	MSV
1,1,1-Trichloroethane	<0.5	ug/l		1/18/17	MSV
1,1,2-Trichloroethane	<0.5	ug/l		1/18/17	MSV
Trichloroethene	<0.5	ug/l		1/18/17	MSV

Analysis performed at: *(1) LSL Central Lab, (2) LSL North Lab, (3) LSL Finger Lakes Lab*

-- LABORATORY ANALYSIS REPORT --

Wellsville Water Treatment Plant Wellsville, NY

Sample ID: Trip Blank LSL Sample ID: 1700858-002

Location:

Sampled: 12/26/16 10:10 Sampled By:

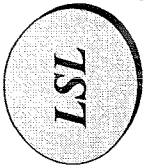
Sample Matrix: TB

Analytical Method	Prep Method	Prep	Analysis	Analyst	
Analyte	Result	Units	Date	Date & Time	Initials

(1) EPA 524.2 POCs, Vinyl chloride & MTBE

Trichlorofluoromethane (Freon 11)	<0.5	ug/l		1/18/17	MSV
1,2,3-Trichloropropane	<0.5	ug/l		1/18/17	MSV
1,2,4-Trimethylbenzene	<0.5	ug/l		1/18/17	MSV
1,3,5-Trimethylbenzene	<0.5	ug/l		1/18/17	MSV
Vinyl chloride	<0.5	ug/l		1/18/17	MSV
MTBE	<0.5	ug/l		1/18/17	MSV
Xylenes (Total)	<0.5	ug/l		1/18/17	MSV
Surrogate (1,2-DCA-d4)	105	%R		1/18/17	MSV
Surrogate (Tol-d8)	102	%R		1/18/17	MSV
Surrogate (4-BFB)	97	%R		1/18/17	MSV

Analysis performed at: (1) LSL Central Lab, (2) LSL North Lab, (3) LSL Finger Lakes Lab



Life Science Laboratories, Inc.

CHAIN OF CUSTODY RECORD

1700858

Wellsville WTP

LSL Central Lab
5854 Butternut Drive
E. Syracuse, NY 13057
p) 315-445-1105
f) 315-445-1301

LSL North Lab.
131 St. Lawrence Ave.
Waddington, N.Y. 13694
p) 315-388-4476
f) 315-388-4061

LSL Finger Lakes Lab
16 N. Main St., PO Box 424
Wayland, NY 14572
p) 585-728-3320
f) 585-728-2711

LSL Southern Tier Lab
30 E. Main St.
Cuba, NY 14727
p) 585-968-2640
f) 585-968-0906

5331

K1701203

Report Address:

Name: *Village of Wellsville Water District* # 5331 *← please correct*

Company: *232 W. Dyke St*

Street: *W STATE ST*

City/State: *Wellsville, NY* Zip: *14895*

Phone: *585-593-4000* Fax: *585-593-2249 5864*

Email: *3333*

Client Project ID/Client Site ID

ALL SAMPLES MUST BE KEPT IN REFRIGERATOR & DELIVERED TO LAB ON ICE.

Client's Sample Identifications	Sample Date	Sample Time	Type grab/comp	Matrix	Preserv Added	Containers		Analyses	Preserv Check	LSL ID#
						#	size/type			
<i>entry point</i>	<i>1/17</i>	<i>0900</i>	<i>grab</i>	<i>PWS</i>	<i>ascorbic NaOH</i>	<i>1</i>	<i>p250m</i>	<i>Cn</i>	<i>6712</i>	<i>001A</i>
<i>"</i>	<i>1/17</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>HNO3</i>	<i>1</i>	<i>p250m</i>	<i>Table 8B Metals</i>	<i>62</i>	<i>001B</i>
<i>"</i>	<i>1/17</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>N/P</i>	<i>1</i>	<i>p250m</i>	<i>Fluoride</i>	<i>62</i>	<i>001C</i>
<i>"</i>	<i>1/17</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>HNO3</i>	<i>1</i>	<i>p250m</i>	<i>Sodium</i>	<i>62</i>	<i>001D</i>
<i>"</i>	<i>1/17</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>N/P</i>	<i>1</i>	<i>p250m</i>	<i>NO3</i>	<i>62</i>	<i>001E</i>
<i>"</i>	<i>1/17</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>Ascorbic HCl</i>	<i>2</i>	<i>gc40m</i>	<i>POC</i>	<i>62</i>	<i>001F</i>
	<i>12/26</i>	<i>10:10</i>		<i>TB</i>	<i>HCl</i>	<i>1</i>	<i>gc40m</i>	<i>Trip Blank</i>		<i>002A</i>

Turnaround Time: Normal 14 DAY Pre-Authorized Next Day* 2-Day* 3-Day* 7-Day*

Date Needed or Special Instructions:

Authorization or P.O. #

Custody Transfers

Received By: *[Signature]* Date: *1/17/17* Time: *11:30*

Relinquished By: *[Signature]* Date: *1/17/17* Time: *13:40*

Relinquished By: *Jordan Shisler* Date: *1/17/17* Time: *13:40*

Shipment Method: Y N

Received Intact: Y N

Sample Temp: *10.4*

LSL use only: Samples Received: On Ice

Containers this C-O-C

*** All areas of this Chain of Custody Record MUST be filled out in order to process samples in a timely manner in PEN ONLY ***
Business and receiving hours vary by localities. For details, please call 585-728-3320 for more info.