



Life Science Laboratories, Inc.

Dana L. Harris
Wellsville Water Treatment Plant
111 W State St.
Wellsville, NY 14895

Phone: (585) 593-3333
FAX: (585) 593-5864

Laboratory Analysis Report Prepared For Wellsville Water Treatment Plant

LSL Project ID: 1900685

Receive Date/Time: 01/14/19 13:10

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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

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:

1/29/19

A copy of this report was sent to: Tyler Shaw
Allegany County DOH

-- LABORATORY ANALYSIS REPORT --

Wellsville Water Treatment Plant Wellsville, NY

Sample ID: Entry Point LSL Sample ID: 1900685-001

Location:

Sampled: 01/14/19 9:00 Sampled By: DH

Sample Matrix: PWS

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

(1) EPA 200.7, Rev. 4.4 (1994) Metals	EPA 200.2			
Please refer to the next page				
				MT

(1) EPA 200.8, Rev. 5.4 Metals	EPA 200.2			
Please refer to the next page				
				MT

(1) EPA 335.4 Rev. 1.0, Rev. 1.0 Total Cyanide				
Cyanide, Total	<0.005 mg/l	1/17/19	1/17/19	JJC

(1) EPA 524.2 POCs, Vinyl chloride & MTBE				
Benzene	<0.5 ug/l		1/17/19	AIS
Bromobenzene	<0.5 ug/l		1/17/19	AIS
Bromochloromethane	<0.5 ug/l		1/17/19	AIS
Bromomethane	<0.5 ug/l		1/17/19	AIS
sec-Butylbenzene	<0.5 ug/l		1/17/19	AIS
n-Butylbenzene	<0.5 ug/l		1/17/19	AIS
tert-Butylbenzene	<0.5 ug/l		1/17/19	AIS
Carbon tetrachloride	<0.5 ug/l		1/17/19	AIS
Chlorobenzene	<0.5 ug/l		1/17/19	AIS
Chloroethane	<0.5 ug/l		1/17/19	AIS
Chloromethane	<0.5 ug/l		1/17/19	AIS
2-Chlorotoluene	<0.5 ug/l		1/17/19	AIS
4-Chlorotoluene	<0.5 ug/l		1/17/19	AIS
Dibromomethane	<0.5 ug/l		1/17/19	AIS
1,2-Dichlorobenzene	<0.5 ug/l		1/17/19	AIS
1,3-Dichlorobenzene	<0.5 ug/l		1/17/19	AIS
1,4-Dichlorobenzene	<0.5 ug/l		1/17/19	AIS
Dichlorodifluoromethane	<0.5 ug/l		1/17/19	AIS
1,1-Dichloroethane	<0.5 ug/l		1/17/19	AIS
1,2-Dichloroethane	<0.5 ug/l		1/17/19	AIS
cis-1,2-Dichloroethene	<0.5 ug/l		1/17/19	AIS
1,1-Dichloroethene	<0.5 ug/l		1/17/19	AIS
trans-1,2-Dichloroethene	<0.5 ug/l		1/17/19	AIS
1,2-Dichloropropane	<0.5 ug/l		1/17/19	AIS
1,3-Dichloropropane	<0.5 ug/l		1/17/19	AIS
2,2-Dichloropropane	<0.5 ug/l		1/17/19	AIS
1,1-Dichloropropene	<0.5 ug/l		1/17/19	AIS
cis-1,3-Dichloropropene	<0.5 ug/l		1/17/19	AIS
trans-1,3-Dichloropropene	<0.5 ug/l		1/17/19	AIS
Ethyl benzene	<0.5 ug/l		1/17/19	AIS
Hexachlorobutadiene	<0.5 ug/l		1/17/19	AIS
Isopropylbenzene (Cumene)	<0.5 ug/l		1/17/19	AIS
4-Isopropyl toluene (Cymene)	<0.5 ug/l		1/17/19	AIS
Methylene chloride	<0.5 ug/l		1/17/19	AIS
n-Propylbenzene	<0.5 ug/l		1/17/19	AIS
Styrene	<0.5 ug/l		1/17/19	AIS
1,1,1,2-Tetrachloroethane	<0.5 ug/l		1/17/19	AIS

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: Wellsville Water Treatment Plant
Location:
Matrix: PWS

Client Sample ID: *Entry Point*

Lab ID: 1900685-001D
Collection Date: 01/14/19 9:00
Date Received: 01/14/19 13:10

Analyte	Result and Qualifiers	Units	Date Analyzed
TOTAL METALS BY ICP		EPA 200.7,Rev.4.4(1994) (EPA 200.2)	
Sodium	6.6	mg/L	01/22/19 14:52

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



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: Wellsville Water Treatment Plant
Location:
Matrix: PWS

Client Sample ID: *Entry Point*
Lab ID: 1900685-001F
Collection Date: 01/14/19 9:00
Date Received: 01/14/19 13:10

Analyte	Result and Qualifiers	Units	Date Analyzed
METALS BY ICPMS			
		EPA 200.8, Rev. 5.4	(EPA 200.2)
Antimony	< 0.00040	mg/L	01/23/19 16:07
Arsenic	< 0.0010	mg/L	01/23/19 16:07
Barium	0.030	mg/L	01/23/19 16:07
Beryllium	< 0.00030	mg/L	01/23/19 16:07
Cadmium	< 0.0010	mg/L	01/23/19 16:07
Chromium	< 0.0010	mg/L	01/23/19 16:07
Mercury	< 0.00020	mg/L	01/23/19 16:07
Nickel	< 0.00050	mg/L	01/23/19 16:07
Selenium	< 0.0010	mg/L	01/23/19 16:07
Thallium	< 0.00030	mg/L	01/23/19 16:07

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:	1900685-001
Location:			
Sampled:	01/14/19 9:00	Sampled By:	DH
Sample Matrix:	PWS		

Analytical Method	Prep Method		Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units			
<i>(1) EPA 524.2 POCs, Vinyl chloride & MTBE</i>					
1,1,2,2-Tetrachloroethane	<0.5	ug/l		1/17/19	AIS
Tetrachloroethene	<0.5	ug/l		1/17/19	AIS
Toluene	<0.5	ug/l		1/17/19	AIS
1,2,3-Trichlorobenzene	<0.5	ug/l		1/17/19	AIS
1,2,4-Trichlorobenzene	<0.5	ug/l		1/17/19	AIS
1,1,1-Trichloroethane	<0.5	ug/l		1/17/19	AIS
1,1,2-Trichloroethane	<0.5	ug/l		1/17/19	AIS
Trichloroethene	<0.5	ug/l		1/17/19	AIS
Trichlorofluoromethane (Freon 11)	<0.5	ug/l		1/17/19	AIS
1,2,3-Trichloropropane	<0.5*	ug/l		1/17/19	AIS
1,2,4-Trimethylbenzene	<0.5	ug/l		1/17/19	AIS
1,3,5-Trimethylbenzene	<0.5	ug/l		1/17/19	AIS
Vinyl chloride	<0.5	ug/l		1/17/19	AIS
MTBE	<0.5	ug/l		1/17/19	AIS
Xylenes (Total)	<0.5*	ug/l		1/17/19	AIS
Surrogate (1,2-DCA-d4)	120	%R		1/17/19	AIS
Surrogate (Tol-d8)	98	%R		1/17/19	AIS
Surrogate (4-BFB)	97	%R		1/17/19	AIS

*As per NELAC regulation, disclosure of the following condition is required; *The result of a quality control sample was less than the established limit.*

<i>(1) EPA Method 300.0 A</i>					
	Fluoride	0.66	mg/l	1/16/19 04:13	EP
<i>(1) Free Chlorine, (Client Provided)</i>					
	Free Available Chlorine	0.73	mg/l	1/14/19 09:00	DH
<i>The NYS DOH ELAP does not offer certification for this method.</i>					
<i>(1) Nitrate-N by HACH Method 10206</i>					
	Nitrate as N	1.5	mg/L	1/15/19 16:20	EP

-- LABORATORY ANALYSIS REPORT --

Wellsville Water Treatment Plant Wellsville, NY

Sample ID: Trip Blank LSL Sample ID: 1900685-002

Location:
Sampled: 01/02/19 0:00 Sampled By:

Sample Matrix: TB

Analytical Method

Analyte	Result	Units	Prep Method	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 524.2 POCs, Vinyl chloride & MTBE						
Benzene	<0.5	ug/l			1/17/19	AIS
Bromobenzene	<0.5	ug/l			1/17/19	AIS
Bromochloromethane	<0.5	ug/l			1/17/19	AIS
Bromomethane	<0.5	ug/l			1/17/19	AIS
sec-Butylbenzene	<0.5	ug/l			1/17/19	AIS
n-Butylbenzene	<0.5	ug/l			1/17/19	AIS
tert-Butylbenzene	<0.5	ug/l			1/17/19	AIS
Carbon tetrachloride	<0.5	ug/l			1/17/19	AIS
Chlorobenzene	<0.5	ug/l			1/17/19	AIS
Chloroethane	<0.5	ug/l			1/17/19	AIS
Chloromethane	<0.5	ug/l			1/17/19	AIS
2-Chlorotoluene	<0.5	ug/l			1/17/19	AIS
4-Chlorotoluene	<0.5	ug/l			1/17/19	AIS
Dibromomethane	<0.5	ug/l			1/17/19	AIS
1,2-Dichlorobenzene	<0.5	ug/l			1/17/19	AIS
1,3-Dichlorobenzene	<0.5	ug/l			1/17/19	AIS
1,4-Dichlorobenzene	<0.5	ug/l			1/17/19	AIS
Dichlorodifluoromethane	<0.5	ug/l			1/17/19	AIS
1,1-Dichloroethane	<0.5	ug/l			1/17/19	AIS
1,2-Dichloroethane	<0.5	ug/l			1/17/19	AIS
cis-1,2-Dichloroethene	<0.5	ug/l			1/17/19	AIS
1,1-Dichloroethene	<0.5	ug/l			1/17/19	AIS
trans-1,2-Dichloroethene	<0.5	ug/l			1/17/19	AIS
1,2-Dichloropropane	<0.5	ug/l			1/17/19	AIS
1,3-Dichloropropane	<0.5	ug/l			1/17/19	AIS
2,2-Dichloropropane	<0.5	ug/l			1/17/19	AIS
1,1-Dichloropropene	<0.5	ug/l			1/17/19	AIS
cis-1,3-Dichloropropene	<0.5	ug/l			1/17/19	AIS
trans-1,3-Dichloropropene	<0.5	ug/l			1/17/19	AIS
Ethyl benzene	<0.5	ug/l			1/17/19	AIS
Hexachlorobutadiene	<0.5	ug/l			1/17/19	AIS
Isopropylbenzene (Cumene)	<0.5	ug/l			1/17/19	AIS
4-Isopropyl toluene (Cymene)	<0.5	ug/l			1/17/19	AIS
Methylene chloride	<0.5	ug/l			1/17/19	AIS
n-Propylbenzene	<0.5	ug/l			1/17/19	AIS
Styrene	<0.5	ug/l			1/17/19	AIS
1,1,1,2-Tetrachloroethane	<0.5	ug/l			1/17/19	AIS
1,1,2,2-Tetrachloroethane	<0.5	ug/l			1/17/19	AIS
Tetrachloroethene	<0.5	ug/l			1/17/19	AIS
Toluene	<0.5	ug/l			1/17/19	AIS
1,2,3-Trichlorobenzene	<0.5	ug/l			1/17/19	AIS
1,2,4-Trichlorobenzene	<0.5	ug/l			1/17/19	AIS
1,1,1-Trichloroethane	<0.5	ug/l			1/17/19	AIS
1,1,2-Trichloroethane	<0.5	ug/l			1/17/19	AIS
Trichloroethene	<0.5	ug/l			1/17/19	AIS

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: 1900685-002
Location:
Sampled: 01/02/19 0:00 Sampled By:
Sample Matrix: TB

Analytical Method	Prep Method	Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result Units			
<i>(1) EPA 524.2 POCs, Vinyl chloride & MTBE</i>				
Trichlorofluoromethane (Freon 11)	<0.5 ug/l		1/17/19	AIS
1,2,3-Trichloropropane	<0.5* ug/l		1/17/19	AIS
1,2,4-Trimethylbenzene	<0.5 ug/l		1/17/19	AIS
1,3,5-Trimethylbenzene	<0.5 ug/l		1/17/19	AIS
Vinyl chloride	<0.5 ug/l		1/17/19	AIS
MTBE	<0.5 ug/l		1/17/19	AIS
Xylenes (Total)	<0.5* ug/l		1/17/19	AIS
Surrogate (1,2-DCA-d4)	121 %R		1/17/19	AIS
Surrogate (Tol-d8)	99 %R		1/17/19	AIS
Surrogate (4-BFB)	96 %R		1/17/19	AIS

*As per NELAC regulation, disclosure of the following condition is required; *The result of a quality control sample was less than the established limit.*

Life Science Laboratories, Inc.

Sample Receipt Checklist


LSL LIMS

Project ID 1900685 **Client ID:** WellsvilleWTP
Shipment Number 1 **SRC Completed By:** jms01 **Date:** 1/14/2019 1:30:39 PM

COC Date/Time	Received By	Carrier	ShippingID
1/14/2019 1:10:00 PM	jms01	LSL Field Services	
Shipping container/cooler in good condition?	Yes	Sample containers intact?	Yes
Custody seal intact on shipping container/cooler?	N/A	Sufficient sample volume for indicated test?	Yes
Custody seals intact on sample bottles?	N/A	All samples received within holding time?	Yes
Chain of Custody present?	Yes	Container/Temp Blank temperature in compliance?	Yes
COC signed when relinquished and received?	Yes	Water - VOA vials have zero headspace?	Yes
COC agrees with sample labels?	Yes	Water - pH acceptable upon receipt?	Yes
Samples in proper containers/bottles?	Yes	Water - HNO3 added to unpreserved metal sample(s) to a pH of <2?	Yes

Comments:

Corrective Action:

Reviewed By: 



Life Science Laboratories, Inc.

CHAIN OF CUSTODY RECORD

1900685

Wellsville WTP
5331

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

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

LSL Southern Tier Office
24 West Main St.
Cuba, NY 14727
p) 585-209-4032

Report Address:
 Name: Dana Harris
 Compar: Village of Wellsville Water District
 Street: 111 W. State St.
 City/Stat: Wellsville, NY
 Phone: 585-593-3333
 Email: dana@wellsvillewater.com

5331
 Zip: 14895
 Fax: 585-593-5864

Client Project ID/Client Site ID

Client's Sample Identifications	Sample Date	Sample Time	Type grab/comp	Matrix	Preserv Added Ascorbic HCl	Containers		Analyses	Preserv Check	LSL ID#
						#	size/type			
entry point	11/19/19	0900	grab	PWS		2	gc40m	POC		001A B
"	"	0900	"	"	N/P	1	p250m	Nitrate		001C
"	"	0900	"	"	N/P*	1	p250m	Sodium	<2	001D
"	"	0915	"	"	ascorbic NaOH	1	p250m	Cn	>12	001E
"	"	"	"	"	HNO ₃	1	p250m	Table 8B Metals	<2	001F
"	"	"	"	"	N/P	1	p250m	Fluoride		001G
								Fluoride Samples Preserved Upon Receipt at Lab		
	1-2-19			TB	HCl	1	gc40m	Trip Blank		002A

LSL use only:
 Received On Ice Yes or No Samples Received On Ice
 Sample Temp: 8.0
 Containers this C-O-C: 8

Custody Transfers
 Sampled By: D. Harris
 Relinquished By: Dana Harris
 Relinquished By:
 Shipment Method:
 Received Intact: Y N

Received By: Barry Cheadle 1/14/19 10:28
Received for Lab By: Jordana Shisler 1-14-19 13:10

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

*** 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 location. Please refer to the Laboratory #85-728-3320 for more info.