Life Science Laboratories, Inc.

Date Printed: 6/19/20

Laboratory Analysis Report
Prepared For
Wellsville Water Treatment Plant

LSL Project ID: 2007022

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

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

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

Sample ID: 232 W. Dyke St.
Location:
Sampled: 05/19/20 10:30
Sampled By: BWR
Matrix: PWS

LSL Sample ID: 2007022-001
Receive Date/Time: 05/19/20 13:10
Project Rec'd by: jms01

Analytical Method / Analyte	Result	Units	Prep Method	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 100.1 Asbestos in Drinking Water						
Asbestos	See Attached					
This analysis was performed by NYS DOH ELAP laboratory number 10920.						
(3) Free Chlorine, (Client Provided)						
Free Available Chlorine	0.87	mg/l		5/19/20	10:30	BWR

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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) 213-4090
Fax (585) 213-4192
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: Kristin E. Carpenter, Quality Staff *Date:* 06/19/20

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

AMA Analytical Services, Inc.
Focused On Results.

CERTIFICATE OF ANALYSIS

NY ELAP
Lab ID 10920

Chain of Custody: 317978
Client: Life Science Laboratories, Inc.
Address: 5854 Butternut Drive
East Syracuse, NY 13057
Attention: Greg Smith

Job Name: Not Provided
Job Location: Not Provided
Job Number: 2007002
P.O. Number: SO57232

Date Submitted: 05/20/2020
Date Analyzed: 05/26/2020
Report Date: 05/26/2020
Date Sampled: 05/19/2020
Person Submitting: N/A

Summary of Results of Water Borne Asbestos Analysis by TEM - USEPA Method 100.2 and ELAP 198.2

AMA Sample	Client Sample	Sample Type	Collection Date/Time	Sample Aliquot (ml)	Filter Collection (mm²)	Filter Area Analyzed (mm²)	Sensitivity (MFL)		Fiber Count		Total Fiber Conc. (MFL)			Long Fiber Conc. (MFL)			Comments
							Total	Long	Total	Long	Mean	95% UCL	95% LCL	Mean	95% UCL	95% LCL	
317978-1	2007022-001A	Potable	05/19/2020 10:30 am	20.0	1047.0	0.14	0.374	0.374	NAD	NAD	< 1.38	1.38	N/A	< 1.38	1.38	N/A	

Please Note: EPA Method 100.2 requires analysis of asbestos fibers with a minimum length of 10 um, which are reported in the long fiber concentration columns. AMA Analytical Services, Inc. also documents asbestos structures between 0.5um and 10um in length. Along with the long fibers these are reported in the total fiber concentration columns. Meets with ELAP 198.2 requirements.

Limit of Quantitation: The Limit of Quantitation (LOQ) for this method is equal to four asbestos fibers. If the sample had no asbestos detected (NAD) the mean asbestos concentration is reported as less than the 95% UCL (upper confidence limit), which is 369 % of the analytical sensitivity. If 1 to 3 fibers were detected, the mean asbestos concentration is reported as less than the 95 % UCL. A lower confidence limit (LCL) does not apply (N/A) for samples in which three or fewer asbestos fibers were detected.

Analytical Sensitivity: Typical analytical sensitivities for drinking water samples should be < 10 MFL for 'total' asbestos and <0.2 MFL for 'long' asbestos fibers. Analytical sensitivities may be much higher for water samples where the high concentration of suspended particulate requires using small aliquots to make usable sample preparations.

Method of Analysis: The method of analysis used is the EPA 100.2.

Asbestos Types: Chry = Chrysotile; Amos = Amosite; Croc = Crocidolite; Trem = Tremolite; Actn = Actinolite; Anth = Anthophyllite

All results are to be considered preliminary and subject to change unless signed by the Technical Director or Deputy.

Analyst(s): Christopher Dell

Technical Director Andreas Saldivar

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public, and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from us. Sample types, locations, and collection protocols are based upon the information provided by the persons submitting them and, unless collected by personnel of these Laboratories, we expressly disclaim any knowledge and liability for the accuracy and completeness of this information. Residual sample material will be discarded in accordance with the appropriate regulatory guidelines, unless otherwise requested by the client. This report must not be used to claim, and does not imply product certification, approval, or endorsement by AIHA-LAP or any agency of the Federal Government. All rights reserved. AMA Analytical Services, Inc.

4475 Forbes Blvd. · Lanham, MD, 20706 · (301) 459-2640 · Toll Free (800) 346-0961 · Fax (301) 459-2643

AMA Analytical Services, Inc.
Focused on Results www.amalab.com
AIHA-LAP (#100470) NVLAP (#101143-0) NY ELAP (10920)
4475 Forbes Blvd. • Lanham, MD 20706
(301) 459-2640 • (800) 346-0961 • Fax (301) 459-2643

CHAIN OF CUSTODY

(Please Refer To This Number For Inquires) 317978

Mailing/Billing Information:
1. Client Name: LSLI
2. Address 1:
3. Address 2:
4. Address 3:
5. Phone #: Fax #:

Submittal Information:
1. Job Name:
2. Job Location:
3. Job #: 20070002 P.O. #: S057232
4. Contact Person: GREG SMITH Cell:
5. Collected by: Cell:

Reporting Info (Results provided as soon as technically feasible). If no TAT/Reporting Info is provided, AMA will assign defaults of 5-Day and email/fax to contacts on file.

AFTER HOURS (must be pre-scheduled)
- ☐ 4 Hours ☐ Late Night
- ☐ Immediate Date Due:
- ☐ 24 Hours Time Due:
- Comments:

NORMAL BUSINESS HOURS
- ☐ 4 Hours
- ☐ Same Day
- ☐ Next Day
- ☐ 2 Day
- ☐ 3 Day
- ☒ 5 Day + Date Due: 5/28/20
- ☐ Results Required By Noon

REPORT TO:
- ☐ Email:
- ☐ Email 2:
- ☐ Verbals:

Asbestos Analysis
*PCM Air – Please Indicate Filter Type:
- ☐ NIOSH 7400 (QTY)
- ☐ Fiberglass (QTY)

TEM Air* – Please Indicate Filter Type:
- ☐ AHERA (QTY)
- ☐ NIOSH 7402 (QTY)
- ☐ Other (specify) (QTY)

PLM Bulk
- ☐ EPA 600 – Visual Estimate (QTY) ☐ Pos Stop
- ☐ EPA Point Count (QTY)
- ☐ NY State Friable 198.1 (QTY)
- ☐ Grav. Reduction ELAP 198.6 (QTY)
- ☐ Other (specify) (QTY)

MISC
- ☐ Asbestos Soil PLM__(Qual) PLM__(Quan) PLM/TEM__(Qual) PLM/TEM__(Quan)

*It is recommended that blank samples be submitted with all air and surface samples

TEM Bulk
- ☐ ELAP 198.4/Chatfield (QTY)
- ☐ NY State PLM/TEM (QTY)
- ☐ Residual Ash (QTY)
- ☐ Vermiculite

TEM Dust*
- ☐ Qual. (pres/abs) Vacuum/Dust (QTY)
- ☐ Quan. (s/area) Vacuum D5755-95 (QTY)
- ☐ Quan. (s/area)Dust D6480-99 (QTY)

TEM Water
- ☐ Qual. (pres/abs) (QTY)
- ☒ ELAP 198.2/EPA 100.2 (QTY)
- ☐ EPA 100.1 (QTY)

☒ All samples received in good condition unless otherwise noted. (TEM Water samples 1 °C)

If field data sheets are submitted, there is no need to complete bottom section.

Metals Analysis
- ☐ Pb Paint Chip (QTY)
- ☐ *Pb Dust Wipe (wipe type) (QTY)
- ☐ *Pb Air (QTY)
- ☐ Pb Soil/Solid (QTY)
- ☐ Pb TCLP (QTY)
- ☐ Drinking Water ☐ Pb (QTY) ☐ Cu (QTY) ☐ As (QTY)
- ☐ Waste Water ☐ Pb (QTY) ☐ Cu (QTY) ☐ As (QTY)
- ☐ Pb Furnace (Media) (QTY)

Fungal Analysis
Collection Apparatus for Spore Traps/Air Samples:
Collection Media
- ☐ *Spore-Trap (QTY) ☐ Surface Vacuum Dust (QTY)
- ☐ *Surface Swab (QTY)
- ☐ *Surface Tape (QTY)
- ☐ Other (Specify) (QTY

CLIENT ID #	SAMPLE INFORMATION SAMPLE LOCATION/ ID	DATE/ TIME	VOL (L)/ Wipe Area	ANALYSIS TEM	PCM	PLM	LEAD	MOLD	MATRIX AIR	BULK	DUST	WATER AND OTHER	SPORE TRAP	TAPE	SWAB	COMMENTS / SPECIAL INSTRUCTIONS
Must be filtered by 10:30 am on 5/21/20																

	Print Name	Signature	Date	Time
Relinquished by:				
Received by:			5/20/20	1024

Shipping Information
- ☒ UPS
- ☐ FedEx
- ☐ USPS
- ☐ In-Person
- ☐ Drop Box
- ☐ Courier
- ☐ Other

Subcontractor Purchase Order / Chain of Custody

Life Science Laboratories, Inc.
5854 Butternut Dr., E. Syracuse, New York 13057
Phone # (315) 445-1105 Fax # (315) 445-1301

Seller agrees to sell and deliver services as specified herein in accordance with the Subcontract Order. . This order expressly limits acceptance to the terms of this order and any additional or different terms proposed by the seller are rejected unless expressly assented to in writing by Life Science Laboratories, Inc.

Samples sent to:
AMA Analytical Services, Inc.
4475 Forbes Blvd.
Lanham, MD 20706
Phone: 800-346-0961
Fax: (301)-459-2643

Report should be sent to:
Life Science Laboratories, Inc.
5854 Butternut Drive
East Syracuse, NY 13057
Sample Custody Department
Contact Name: Greg Smith

Life Science Laboratories Project Number: 2007022 ~~2007002~~

Purchase Order Number (SO#): SO57232

Send invoice to: Accounting Department

Results are required by this date: Standard

Special Instructions: *The Purchase Order Number must appear on all reports and invoices.*

SAMPLES ARE FOR NEW YORK STATE COMPLIANCE.

Life Science Labs Sample ID # / Client ID	Sample Date	Type grab	Type comp	Matrix	Preserv. Added	Containers size/type	Containers #	Analysis Requested Time		Unit Price
2007022-001A 232 W. Dyke St.	05/19/20	X		PW	None	1 Liter	1	10:30	Asbestos	[redacted]
									Sub Total	
									Surcharge:	
									Total:	[redacted]

Custody Transfers

		Date:	Time
Sampled By: Client	Received By: LSL-FLL	5/19/20	
Relinquished By:	Received By:		
Relinquished By: LSL-FLL 5/19/20 1545	Received for Lab By:		

Received Intact: Y N

Sample Receipt Temp: °C

Copies: Original Purchasing Administration Accounting

Life Science Laboratories, Inc.
CHAIN OF CUSTODY RECORD

2007022
WellsvilleWTP

5331

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
16 N. Main St, PO Box 424
Wayland, NY 14572
p) 585-213-4090
f) 585-213-4192

LSL Midlakes Drop Off
493 S. Main St.
Canandaigua, NY 14424
p) 585-213-4090
f) 585-213-4192

LSL Southern Tier Office
24 W. Main St.
Cuba, NY 14727
p) 585-209-4032
Office #2

bowenc@lsl-inc.com

Turnaround Time

Normal	Pre-Authorized			
14 DAY [X]	Next Day* [ ]	3-Day * [ ]		*Additional Charges may apply
	2-Day * [ ]	7-Day* [ ]		

Report Address:
Name: Dana L. Harris #5331
Company: Wellsville Water Treatment Plant
Street: 111 W. State St.
City/State: Wellsville, NY Zip: 14895
Phone: 585-808-4190 or 585-593-3333 Fax: 585-593-5864
Email: dana@wellsvillewater.com

Date Needed or Special Instructions:

Authorization or P.O.#

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 #	Containers size/type	Analyses	Residual Chlorine	LSL ID#
232 W. Dyke St.	05/19/20	1030	Grab	pws	none	1	p1L	Asbestos	0.87	001A

LSL use only:
Received on ice YES or NO Samples Received
Sample Temp 14.4 On Ice
Containers this C-O-C (1)

Custody Transfers

		Date	Time
Sampled By: Brent W. Roberts	Received By: Barry C. Sears	5/19/20	11
Relinquished By: [signature]	Received By:		
Relinquished By:	Rec'd for Lab By: Sean Shidler	5-19-20	1310
Shipment Method:	Received Intact: Y N	Sample Temp	14.4

*** 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 call your local lab or 585-213-4090 for more information.