



GeoLogic NY, PC

P. O. Box 350 • 37 Copeland Ave. • Homer, NY 13077 • 607-749-5000

April 3, 2020

TRANSMITTED VIA EMAIL

Mr. David Yaman
Cortland Commerce Center, LLC
839 NYS Route 13
Cortland, NY 13045

Reference: Former Smith Corona Outfall Monitoring, March 2020
NYSDEC Site No. 712006
Cortlandville, NY

Dear Mr. Yaman:

Enclosed are the analytical results for the groundwater treatment system (tower influent, tower discharge & cascade) samples collected on March 17, 2020.

The TCE results were:

Tower Influent	1.42 µg/L
Tower Discharge	0.57 µg/L
Cascade	0.25 µg/L – estimated value, analyte detected below the PQL.

The results meet the discharge guidelines set forth in NYSDEC's correspondence of May 10, 2001.

Please do not hesitate to call should you have any questions.

Sincerely;

GeoLogic NY, P.C.

Forrest Earl, P.G.
President/Principal Hydrogeologist

Enc.: Analytical Results

cc: All via e-mail
Brianna Scharf, NYSDEC
Sarah Saucier, NYSDEC
Harry Warner, P.E., NYSDEC
Kathy McGrath, CCS & WCD
Michael Ryan, P.E., CCHD
Mike Shafer, Esq., SFG&M
Stephen Kalette, Esq. SCM
Doreen Simmons, Esq.
Steve Berninger, NYSDOH
Scarlet McLaughlin, NYSDOH



Life Science Laboratories, Inc.

5854 Butternut Drive
East Syracuse, NY 13057

(315) 445-1900

Tuesday, March 31, 2020

Mr. Christopher Gabriel
GeoLogic NY, Inc.
37 Copeland Ave.
Homer, NY 13077

TEL: 607 749-5000

Project: 210087

RE: Analytical Results

Order No.: 2004142

Dear Mr. Christopher Gabriel:

Life Science Laboratories, Inc. received 4 sample(s) on 3/18/2020 for the analyses presented in the following report. Sample results relate only to the samples as received by the laboratory.

Very truly yours,
Life Science Laboratories, Inc.

David J Prichard
Project Manager



Life Science Laboratories, Inc.

5854 Butternut Drive

East Syracuse, NY 13057

(315) 445-1900

Analytical Results

StateCertNo: 10248

CLIENT: GeoLogic NY, Inc.

Project: 210087

W Order: 2004142

Matrix: WATER

Inst. ID: MS04_73

ColumnID: Rtx-VMS

Revision: 03/31/20 11:10

Col Type:

Sample Size: NA

%Moisture:

TestCode: 8260W

Lab ID: 2004142-001A

Client Sample ID: *Cascade*

Collection Date: 03/17/20 12:15

Date Received: 03/18/20 17:00

PrepDate:

BatchNo: R33854

FileID: 1-SAMP-R0696

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260C/5030C			
1,1,1-Trichloroethane	ND	0.50	0.10	µg/L	1		03/21/20 0:51
1,1-Dichloroethene	ND	0.50	0.16	µg/L	1		03/21/20 0:51
cis-1,2-Dichloroethene	ND	0.50	0.10	µg/L	1		03/21/20 0:51
Tetrachloroethene	ND	0.50	0.10	µg/L	1		03/21/20 0:51
trans-1,2-Dichloroethene	ND	0.50	0.10	µg/L	1		03/21/20 0:51
Trichloroethene	0.25 J	0.50	0.10	µg/L	1		03/21/20 0:51
Vinyl chloride	ND	1.00	0.33	µg/L	1		03/21/20 0:51
Surr: 1,2-Dichloroethane-d4	115	75-130	0.16	%REC	1		03/21/20 0:51
Surr: Toluene-d8	96	75-125	0.10	%REC	1		03/21/20 0:51
Surr: 4-Bromofluorobenzene	101	75-125	0.10	%REC	1		03/21/20 0:51

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

Print Date: 03/31/20 16:18

924158

Project Supervisor: David J Prichard



Life Science Laboratories, Inc.

5854 Butternut Drive

East Syracuse, NY 13057

(315) 445-1900

Analytical Results

StateCertNo: 10248

CLIENT: GeoLogic NY, Inc.

Project: 210087

W Order: 2004142

Matrix: WATER

Inst. ID: MS04_73

ColumnID: Rtx-VMS

Revision: 03/31/20 11:10

Col Type:

Sample Size: NA

%Moisture:

TestCode: 8260W

Lab ID: 2004142-002A

Client Sample ID: *Tower Discharge*

Collection Date: 03/17/20 12:45

Date Received: 03/18/20 17:00

PrepDate:

BatchNo: R33854

FileID: 1-SAMP-R0697

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260C/5030C			
1,1,1-Trichloroethane	ND	0.50	0.10	µg/L	1		03/21/20 1:24
1,1-Dichloroethene	ND	0.50	0.16	µg/L	1		03/21/20 1:24
cis-1,2-Dichloroethene	ND	0.50	0.10	µg/L	1		03/21/20 1:24
Tetrachloroethene	ND	0.50	0.10	µg/L	1		03/21/20 1:24
trans-1,2-Dichloroethene	ND	0.50	0.10	µg/L	1		03/21/20 1:24
Trichloroethene	0.57	0.50	0.10	µg/L	1		03/21/20 1:24
Vinyl chloride	ND	1.00	0.33	µg/L	1		03/21/20 1:24
Surr: 1,2-Dichloroethane-d4	113	75-130	0.16	%REC	1		03/21/20 1:24
Surr: Toluene-d8	94	75-125	0.10	%REC	1		03/21/20 1:24
Surr: 4-Bromofluorobenzene	102	75-125	0.10	%REC	1		03/21/20 1:24

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

Print Date: 03/31/20 16:18

924159

Project Supervisor: David J Prichard



Life Science Laboratories, Inc.

5854 Butternut Drive

East Syracuse, NY 13057

(315) 445-1900

Analytical Results

StateCertNo: 10248

CLIENT: GeoLogic NY, Inc.

Project: 210087

W Order: 2004142

Matrix: WATER

Inst. ID: MS04_73

ColumnID: Rtx-VMS

Revision: 03/31/20 11:10

Col Type:

Sample Size: NA

%Moisture:

TestCode: 8260W

Lab ID: 2004142-003A

Client Sample ID: *Tower Influent*

Collection Date: 03/17/20 12:55

Date Received: 03/18/20 17:00

PrepDate:

BatchNo: R33854

FileID: 1-SAMP-R0698

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260C/5030C			
1,1,1-Trichloroethane	ND	0.50	0.10	µg/L	1		03/21/20 1:58
1,1-Dichloroethene	ND	0.50	0.16	µg/L	1		03/21/20 1:58
cis-1,2-Dichloroethene	ND	0.50	0.10	µg/L	1		03/21/20 1:58
Tetrachloroethene	ND	0.50	0.10	µg/L	1		03/21/20 1:58
trans-1,2-Dichloroethene	ND	0.50	0.10	µg/L	1		03/21/20 1:58
Trichloroethene	1.42	0.50	0.10	µg/L	1		03/21/20 1:58
Vinyl chloride	ND	1.00	0.33	µg/L	1		03/21/20 1:58
Surr: 1,2-Dichloroethane-d4	117	75-130	0.16	%REC	1		03/21/20 1:58
Surr: Toluene-d8	94	75-125	0.10	%REC	1		03/21/20 1:58
Surr: 4-Bromofluorobenzene	100	75-125	0.10	%REC	1		03/21/20 1:58

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

Print Date: 03/31/20 16:18

924160

Project Supervisor: David J Prichard



Life Science Laboratories, Inc.

5854 Butternut Drive

East Syracuse, NY 13057

(315) 445-1900

Analytical Results

StateCertNo: 10248

CLIENT: GeoLogic NY, Inc.

Project: 210087

W Order: 2004142

Matrix: WATER Q

Inst. ID: MS04_73

ColumnID: Rtx-VMS

Revision: 03/31/20 11:10

Col Type:

Sample Size: NA

%Moisture:

TestCode: 8260W

Lab ID: 2004142-004A

Client Sample ID: *Trip Blank*

Collection Date: 12/17/19 0:00

Date Received: 03/18/20 17:00

PrepDate:

BatchNo: R33854

FileID: 1-SAMP-R0699

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260C/5030C			
1,1,1-Trichloroethane	ND	0.50	0.10	µg/L	1	03/21/20 2:31	
1,1-Dichloroethene	ND	0.50	0.16	µg/L	1	03/21/20 2:31	
cis-1,2-Dichloroethene	ND	0.50	0.10	µg/L	1	03/21/20 2:31	
Tetrachloroethene	ND	0.50	0.10	µg/L	1	03/21/20 2:31	
trans-1,2-Dichloroethene	ND	0.50	0.10	µg/L	1	03/21/20 2:31	
Trichloroethene	ND	0.50	0.10	µg/L	1	03/21/20 2:31	
Vinyl chloride	ND	1.00	0.33	µg/L	1	03/21/20 2:31	
Surr: 1,2-Dichloroethane-d4	117	75-130	0.16	%REC	1	03/21/20 2:31	
Surr: Toluene-d8	93	75-125	0.10	%REC	1	03/21/20 2:31	
Surr: 4-Bromofluorobenzene	101	75-125	0.10	%REC	1	03/21/20 2:31	

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

Print Date: 03/31/20 16:18

924161

Project Supervisor: David J Prichard

GeoLogic NY, Inc.

CHAIN OF CUSTODY RECORD

2004142

CLIENT: GeoLogic

SAMPLERS NAME(S):

PROJECT: 210087

SAMPLE LOCATION	DATE	TIME	SAMPLE TYPE			NO. of SAMPLES	ANALYSIS REQUIRED
			WATER	SOIL	AIR		
001 AB Cascade	3/17/20	12:15	X			2	See Below
002 Tower Discharge	3/17/20	12:45	X			2	"
003 Tower Influent	3/17/20	12:55	X			2	"
004 Trip Blank	12-17-19		X			2	"

Relinquished by:	Date	Time	Received by:	Date	Time
<i>Joseph A. Mayzel</i>	3/17/20	15:40	<i>Geologic Sample Frig</i>	3/17/20	15:40
Relinquished by:	Date	Time	Received by:	Date	Time
<i>Geologic Sample Frig</i>			<i>Bill Dorabian</i>	3-18-20	1435
Relinquished by:	Date	Time	Received for Lab by:	Date	Time
<i>Bill Dorabian</i>	3-18-20	17:00	<i>[Signature]</i>	3-18-20	17:00

Method of Shipment: **HAND DELIVERED** TEMP 3.0° Samples Received On Ice

COMMENTS:

Sample Analysis (1 ug/L reporting limit)

EPA 8260B for

1,1,1-Trichloroethane

1,1-Dichloroethene

1,2-Dichloroethene

Trichloroethene

Tetrachloroethene

Vinyl Chloride

Life Science Laboratories, Inc.

Sample Receipt Checklist

Client Name: **GEOLOGIC**

Date and Time Received:

3/18/2020 5:00:00 PM

Work Order Number: **2004142**

Received by: gis

Checklist completed by:

Initials

JS

Date

3-18-20

Reviewed by:

Initials

DD

Date

3/19/20

Delivery Method: Courier

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☒
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Applicable ☒
Chain of custody present?	Yes ☒	No ☐	
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	
Chain of custody agrees with sample labels?	Yes ☒	No ☐	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time?	Yes ☒	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐	
Water - VOA vials have zero headspace?	Yes ☒	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☐	Not Applicable ☒

Comments:

Corrective Action: