



GeoLogic NY, PC

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

November 16, 2021

TRANSMITTED VIA EMAIL

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

Reference: Former Smith Corona Outfall Monitoring, October 2021
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 October 14, 2021.

The TCE results were:

Tower Influent	1.02 µg/L
Tower Discharge	0.34 µg/L – estimated value, analyte detected below the PQL.
Cascade	0.14 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
Gary Priscott, NYSDEC
Kathy McGrath, CCS & WCD
Michael Ryan, P.E., CCHD
Stephen Kalette, Esq. SCM
Steve Berninger, NYSDOH
Scarlet McLaughlin, NYSDOH
Nathan Karnes, TRC



Life Science Laboratories, Inc.

5854 Butternut Drive
East Syracuse, NY 13057

(315) 445-1900

Tuesday, November 09, 2021

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

TEL: 607 749-5000

Project: 210087

RE: Analytical Results

Order No.: 2117635

Dear Mr. Christopher Gabriel:

Life Science Laboratories, Inc. received 4 sample(s) on 10/19/2021 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: 2117635

Matrix: WATER

Inst. ID: MS04_73

ColumnID: Rtx-VMS

Revision: 11/09/21 7:21

Col Type:

Sample Size: NA

%Moisture:

TestCode: 8260W

Lab ID: 2117635-001A

Client Sample ID: *Cascade*

Collection Date: 10/14/21 11:45

Date Received: 10/19/21 16:21

PrepDate:

BatchNo: R35056

FileID: 1-SAMP-R7115.D

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		10/25/21 11:32
1,1-Dichloroethene	ND	0.50	0.16	µg/L	1		10/25/21 11:32
cis-1,2-Dichloroethene	ND	0.50	0.10	µg/L	1		10/25/21 11:32
Tetrachloroethene	ND	0.50	0.10	µg/L	1		10/25/21 11:32
trans-1,2-Dichloroethene	ND	0.50	0.10	µg/L	1		10/25/21 11:32
Trichloroethene	0.14 J	0.50	0.10	µg/L	1		10/25/21 11:32
Vinyl chloride	ND	1.00	0.33	µg/L	1		10/25/21 11:32
Surr: 1,2-Dichloroethane-d4	98	75-130	0.16	%REC	1		10/25/21 11:32
Surr: Toluene-d8	100	75-125	0.10	%REC	1		10/25/21 11:32
Surr: 4-Bromofluorobenzene	89	75-125	0.10	%REC	1		10/25/21 11:32

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

Print Date: 11/09/21 10:38

978633

Project Supervisor: David J Prichard



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Analytical Results

StateCertNo: 10248

CLIENT: GeoLogic NY, Inc.

Project: 210087

W Order: 2117635

Matrix: WATER

Inst. ID: MS04_73

ColumnID: Rtx-VMS

Revision: 11/09/21 7:21

Col Type:

Sample Size: NA

%Moisture:

TestCode: 8260W

Lab ID: 2117635-002A

Client Sample ID: *Tower Discharge*

Collection Date: 10/14/21 11:15

Date Received: 10/19/21 16:21

PrepDate:

BatchNo: R35056

FileID: 1-SAMP-R7116.D

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		10/25/21 12:09
1,1-Dichloroethene	ND	0.50	0.16	µg/L	1		10/25/21 12:09
cis-1,2-Dichloroethene	ND	0.50	0.10	µg/L	1		10/25/21 12:09
Tetrachloroethene	ND	0.50	0.10	µg/L	1		10/25/21 12:09
trans-1,2-Dichloroethene	ND	0.50	0.10	µg/L	1		10/25/21 12:09
Trichloroethene	0.34 J	0.50	0.10	µg/L	1		10/25/21 12:09
Vinyl chloride	ND	1.00	0.33	µg/L	1		10/25/21 12:09
Surr: 1,2-Dichloroethane-d4	100	75-130	0.16	%REC	1		10/25/21 12:09
Surr: Toluene-d8	100	75-125	0.10	%REC	1		10/25/21 12:09
Surr: 4-Bromofluorobenzene	92	75-125	0.10	%REC	1		10/25/21 12:09

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: 11/09/21 10:38

978634

Project Supervisor: David J Prichard



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Analytical Results

StateCertNo: 10248

CLIENT: GeoLogic NY, Inc.

Project: 210087

W Order: 2117635

Matrix: WATER

Inst. ID: MS04_73

ColumnID: Rtx-VMS

Revision: 11/09/21 7:21

Col Type:

Sample Size: NA

%Moisture:

TestCode: 8260W

Lab ID: 2117635-003A

Client Sample ID: *Tower Influent*

Collection Date: 10/14/21 11:25

Date Received: 10/19/21 16:21

PrepDate:

BatchNo: R35056

FileID: 1-SAMP-R7117.D

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		10/25/21 12:45
1,1-Dichloroethene	ND	0.50	0.16	µg/L	1		10/25/21 12:45
cis-1,2-Dichloroethene	ND	0.50	0.10	µg/L	1		10/25/21 12:45
Tetrachloroethene	ND	0.50	0.10	µg/L	1		10/25/21 12:45
trans-1,2-Dichloroethene	ND	0.50	0.10	µg/L	1		10/25/21 12:45
Trichloroethene	1.02	0.50	0.10	µg/L	1		10/25/21 12:45
Vinyl chloride	ND	1.00	0.33	µg/L	1		10/25/21 12:45
Surr: 1,2-Dichloroethane-d4	101	75-130	0.16	%REC	1		10/25/21 12:45
Surr: Toluene-d8	99	75-125	0.10	%REC	1		10/25/21 12:45
Surr: 4-Bromofluorobenzene	90	75-125	0.10	%REC	1		10/25/21 12:45

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: 11/09/21 10:38

978635

Project Supervisor: David J Prichard



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Analytical Results

StateCertNo: 10248

CLIENT: GeoLogic NY, Inc.

Project: 210087

W Order: 2117635

Matrix: WATER Q

Inst. ID: MS04_73

ColumnID: Rtx-VMS

Revision: 11/09/21 7:21

Col Type:

Sample Size: NA

%Moisture:

TestCode: 8260W

Lab ID: 2117635-004A

Client Sample ID: Trip Blank

Collection Date: 03/22/21 0:00

Date Received: 10/19/21 16:21

PrepDate:

BatchNo: R35056

FileID: 1-SAMP-R7118.D

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		10/25/21 13:22
1,1-Dichloroethene	ND	0.50	0.16	µg/L	1		10/25/21 13:22
cis-1,2-Dichloroethene	ND	0.50	0.10	µg/L	1		10/25/21 13:22
Tetrachloroethene	ND	0.50	0.10	µg/L	1		10/25/21 13:22
trans-1,2-Dichloroethene	ND	0.50	0.10	µg/L	1		10/25/21 13:22
Trichloroethene	ND	0.50	0.10	µg/L	1		10/25/21 13:22
Vinyl chloride	ND	1.00	0.33	µg/L	1		10/25/21 13:22
Surr: 1,2-Dichloroethane-d4	103	75-130	0.16	%REC	1		10/25/21 13:22
Surr: Toluene-d8	97	75-125	0.10	%REC	1		10/25/21 13:22
Surr: 4-Bromofluorobenzene	90	75-125	0.10	%REC	1		10/25/21 13:22

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: 11/09/21 10:38

978636

Project Supervisor: David J Prichard

GeoLogic NY, Inc.

CHAIN OF CUSTODY RECORD

CLIENT: GeoLogic

SAMPLERS NAME(S):

PROJECT: 210087

Joe Menzel

2117635

SAMPLE LOCATION	DATE	TIME	SAMPLE TYPE			NO. of SAMPLES	ANALYSIS REQUIRED
			WATER	SOIL	AIR		
00 Cascade	10-14-21	11:45	X			2	See Below
007 Tower Discharge	10-14-21	11:15	X			2	"
003 Tower Influent	10-14-21	11:25	X			2	"
004 Trip Blank	3-22-21		X			2	"

Relinquished by:	Date	Time	Received by:	Date	Time
<i>Joe Menzel</i>	10/14/21	12:15	GeoLogic Sample Frig	10/14/21	12:15
Relinquished by:	Date	Time	Received by:	Date	Time
GeoLogic Sample Frig	10/19/21	10:05	<i>[Signature]</i>	10/19/21	10:05
Relinquished by:	Date	Time	Received for Lab by:	Date	Time
			Daniel Kile	10/19/21	16:21

Method of Shipment: **HAND DELIVERED** *X* TEMP **3.1°C** Samples Received
LS Pick up On Ice Packs

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: 10/19/2021 4:21:00 PM

Work Order Number: 2117635

Received by: dcr

Checklist completed by:

Initials

YH

Date

10-19-21

Reviewed by:

Initials

DP

Date

10/20/21

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: