

July 28, 2020

TRANSMITTED VIA EMAIL

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

Reference: Former Smith Corona Outfall Monitoring, June 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 June 25, 2020.

The TCE results were:


Tower Influent	1.20 µg/L
Tower Discharge	0.40 µg/L – estimated value, analyte detected below the PQL.
Cascade	0.20 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
Nathan Karnes, TRC



Life Science Laboratories, Inc.

5854 Butternut Drive
East Syracuse, NY 13057

(315) 445-1900

Tuesday, July 14, 2020

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

TEL: 607 749-5000

Project: 210087


RE: Analytical Results

Order No.: 2009556

Dear Mr. Christopher Gabriel:

Life Science Laboratories, Inc. received 4 sample(s) on 6/29/2020 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: 2009556
Matrix: WATER
Inst. ID: MS04_73
ColumnID: Rtx-VMS
Revision: 07/10/20 11:01
Col Type:

Sample Size: NA
%Moisture:
TestCode: 8260W

Lab ID: 2009556-001A
Client Sample ID: *Cascade*
Collection Date: 06/25/20 14:55
Date Received: 06/29/20 12:00
PrepDate:
BatchNo: R34068
FileID: 1-SAMP-

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	06/30/20
1,1-Dichloroethene	ND		0.50	0.16	µg/L	1	06/30/20
cis-1,2-Dichloroethene	ND		0.50	0.10	µg/L	1	06/30/20
Tetrachloroethene	ND		0.50	0.10	µg/L	1	06/30/20
trans-1,2-Dichloroethene	ND		0.50	0.10	µg/L	1	06/30/20
Trichloroethene	0.20	J	0.50	0.10	µg/L	1	06/30/20
Vinyl chloride	ND		1.00	0.33	µg/L	1	06/30/20
Surr: 1,2-Dichloroethane-d4	102		75-130	0.16	%REC	1	06/30/20
Surr: Toluene-d8	101		75-125	0.10	%REC	1	06/30/20
Surr: 4-Bromofluorobenzene	108		75-125	0.10	%REC	1	06/30/20

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: 07/14/20 7:22

933819

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: 2009556

Matrix: WATER

Inst. ID: MS04_73

ColumnID: Rtx-VMS

Revision: 07/10/20 11:01

Col Type:

Sample Size: NA

%Moisture:

TestCode: 8260W

Lab ID: 2009556-002A

Client Sample ID: *Tower Discharge*

Collection Date: 06/25/20 15:03

Date Received: 06/29/20 12:00

PrepDate:

BatchNo: R34068

FileID: 1-SAMP-

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	06/30/20
1,1-Dichloroethene	ND		0.50	0.16	µg/L	1	06/30/20
cis-1,2-Dichloroethene	ND		0.50	0.10	µg/L	1	06/30/20
Tetrachloroethene	ND		0.50	0.10	µg/L	1	06/30/20
trans-1,2-Dichloroethene	ND		0.50	0.10	µg/L	1	06/30/20
Trichloroethene	0.40 J		0.50	0.10	µg/L	1	06/30/20
Vinyl chloride	ND		1.00	0.33	µg/L	1	06/30/20
Surr: 1,2-Dichloroethane-d4	103		75-130	0.16	%REC	1	06/30/20
Surr: Toluene-d8	100		75-125	0.10	%REC	1	06/30/20
Surr: 4-Bromofluorobenzene	110		75-125	0.10	%REC	1	06/30/20

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: 07/14/20 7:22

933820

Project Supervisor: David J Prichard



Life Science Laboratories, Inc.

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East Syracuse, NY 13057

(315) 445-1900

Analytical Results

StateCertNo: 10248

CLIENT: GeoLogic NY, Inc.

Project: 210087

W Order: 2009556

Matrix: WATER

Inst. ID: MS04_73

ColumnID: Rtx-VMS

Revision: 07/10/20 11:01

Col Type:

Sample Size: NA

%Moisture:

TestCode: 8260W

Lab ID: 2009556-003A

Client Sample ID: *Tower Influent*

Collection Date: 06/25/20 15:15

Date Received: 06/29/20 12:00

PrepDate:

BatchNo: R34068

FileID: 1-SAMP-

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	06/30/20
1,1-Dichloroethene	ND		0.50	0.16	µg/L	1	06/30/20
cis-1,2-Dichloroethene	ND		0.50	0.10	µg/L	1	06/30/20
Tetrachloroethene	ND		0.50	0.10	µg/L	1	06/30/20
trans-1,2-Dichloroethene	ND		0.50	0.10	µg/L	1	06/30/20
Trichloroethene	1.20		0.50	0.10	µg/L	1	06/30/20
Vinyl chloride	ND		1.00	0.33	µg/L	1	06/30/20
Surr: 1,2-Dichloroethane-d4	102		75-130	0.16	%REC	1	06/30/20
Surr: Toluene-d8	100		75-125	0.10	%REC	1	06/30/20
Surr: 4-Bromofluorobenzene	109		75-125	0.10	%REC	1	06/30/20

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: 07/14/20 7:22

933821

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: 2009556

Matrix: WATER Q

Inst. ID: MS04_73

ColumnID: Rtx-VMS

Revision: 07/10/20 11:01

Col Type:

Lab ID: 2009556-004A

Client Sample ID: Trip Blank

Collection Date: 12/17/19 0:00

Date Received: 06/29/20 12:00

PrepDate:

BatchNo: R34068

FileID: 1-SAMP-

Sample Size: NA

%Moisture:

TestCode: 8260W

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	06/30/20
1,1-Dichloroethene	ND		0.50	0.16	µg/L	1	06/30/20
cis-1,2-Dichloroethene	ND		0.50	0.10	µg/L	1	06/30/20
Tetrachloroethene	ND		0.50	0.10	µg/L	1	06/30/20
trans-1,2-Dichloroethene	ND		0.50	0.10	µg/L	1	06/30/20
Trichloroethene	ND		0.50	0.10	µg/L	1	06/30/20
Vinyl chloride	ND		1.00	0.33	µg/L	1	06/30/20
Surr: 1,2-Dichloroethane-d4	105		75-130	0.16	%REC	1	06/30/20
Surr: Toluene-d8	99		75-125	0.10	%REC	1	06/30/20
Surr: 4-Bromofluorobenzene	107		75-125	0.10	%REC	1	06/30/20

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: 07/14/20 7:22

933822

Project Supervisor: David J Prichard

GeoLogic NY, Inc.

CHAIN OF CUSTODY RECORD

2009556

CLIENT: GeoLogic
PROJECT: 210087

SAMPLERS NAME(S):

SAMPLE LOCATION	DATE	TIME	SAMPLE TYPE			NO. of SAMPLES	ANALYSIS REQUIRED
			WATER	SOIL	AIR		
001AB Cascade	6-25-20	14:55	X			2	See Below
002AB Tower Discharge	6-25-20	15:03	X			2	"
003AB Tower Influent	6-25-20	15:15	X			2	"
004AB Trip Blank			X			2	"

Relinquished by:	Date	Time	Received by:	Date	Time
<i>Joseph Mangel</i>	6/25/20	16:00	GeoLogic Sample Frig	6/25/20	16:00
Relinquished by:	Date	Time	Received by:	Date	Time
GeoLogic Sample Frig			<i>[Signature]</i>	6/29/20	10:10
Relinquished by:	Date	Time	Received for Lab by:	Date	Time
<i>[Signature]</i>	6/29/20	12:30	<i>[Signature]</i>	6-29-20	12:00

Method of Shipment: **HAND DELIVERED** TEMP 6.0°C 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:

6/29/2020 12:00:00 PM

Work Order Number: **2009556**

Received by: **gis**

Checklist completed by:

Initials

TS

Date

6-29-20

Reviewed by:

Initials

[Signature]

Date

6/30/20

Delivery Method: Courier

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

Comments:

Corrective Action: