

September 11, 2020

TRANSMITTED VIA EMAIL

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

Reference: Former Smith Corona Outfall & Quarterly Monitoring of MW-10D, August 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) and MW-10D samples collected on August 19, 2020.

The TCE results were:

Tower Influent	1.01 µg/L
Tower Discharge	0.41 µg/L – estimated value, analyte detected below the PQL
Cascade	0.25 µg/L – estimated value, analyte detected below the PQL
MW-10D	0.91 µg/L

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

Thursday, September 10, 2020

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

TEL: 607 749-5000

Project: 210087

RE: Analytical Results

Order No.: 2013617

Dear Mr. Christopher Gabriel:

Life Science Laboratories, Inc. received 5 sample(s) on 8/24/2020 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: 2013617

Matrix: WATER

Inst. ID: MSN_76

ColumnID: Rtx-VMS

Revision: 09/10/20 12:01

Col Type:

Sample Size: NA

%Moisture:

TestCode: 8260W

Lab ID: 2013617-001A

Client Sample ID: *Cascade*

Collection Date: 08/19/20 15:13

Date Received: 08/24/20 12:50

PrepDate:

BatchNo: R34175

FileID: 1-SAMP-n3196.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		09/01/20 6:13
1,1-Dichloroethene	ND	0.50	0.16	µg/L	1		09/01/20 6:13
cis-1,2-Dichloroethene	ND	0.50	0.10	µg/L	1		09/01/20 6:13
Tetrachloroethene	ND	0.50	0.10	µg/L	1		09/01/20 6:13
trans-1,2-Dichloroethene	ND	0.50	0.10	µg/L	1		09/01/20 6:13
Trichloroethene	0.25 J	0.50	0.10	µg/L	1		09/01/20 6:13
Vinyl chloride	ND	1.00	0.33	µg/L	1		09/01/20 6:13
Surr: 1,2-Dichloroethane-d4	94	75-130	0.16	%REC	1		09/01/20 6:13
Surr: Toluene-d8	97	75-125	0.10	%REC	1		09/01/20 6:13
Surr: 4-Bromofluorobenzene	102	75-125	0.10	%REC	1		09/01/20 6:13

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: 09/10/20 12:02

938275

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: 2013617

Matrix: WATER

Inst. ID: MSN_76

ColumnID: Rtx-VMS

Revision: 09/10/20 12:01

Col Type:

Sample Size: NA

%Moisture:

TestCode: 8260W

Lab ID: 2013617-002A

Client Sample ID: *Tower Discharge*

Collection Date: 08/19/20 14:40

Date Received: 08/24/20 12:50

PrepDate:

BatchNo: R34175

FileID: 1-SAMP-n3197.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		09/01/20 6:48
1,1-Dichloroethene	ND	0.50	0.16	µg/L	1		09/01/20 6:48
cis-1,2-Dichloroethene	ND	0.50	0.10	µg/L	1		09/01/20 6:48
Tetrachloroethene	ND	0.50	0.10	µg/L	1		09/01/20 6:48
trans-1,2-Dichloroethene	ND	0.50	0.10	µg/L	1		09/01/20 6:48
Trichloroethene	0.41 J	0.50	0.10	µg/L	1		09/01/20 6:48
Vinyl chloride	ND	1.00	0.33	µg/L	1		09/01/20 6:48
Surr: 1,2-Dichloroethane-d4	96	75-130	0.16	%REC	1		09/01/20 6:48
Surr: Toluene-d8	97	75-125	0.10	%REC	1		09/01/20 6:48
Surr: 4-Bromofluorobenzene	101	75-125	0.10	%REC	1		09/01/20 6:48

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: 09/10/20 12:02

938276

Project Supervisor: David J Prichard



Life Science Laboratories, Inc.

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Analytical Results

StateCertNo: 10248

CLIENT: GeoLogic NY, Inc.

Project: 210087

W Order: 2013617

Matrix: WATER

Inst. ID: MSN_76

ColumnID: Rtx-VMS

Revision: 09/10/20 12:01

Col Type:

Sample Size: NA

%Moisture:

TestCode: 8260W

Lab ID: 2013617-003A

Client Sample ID: *Tower Influent*

Collection Date: 08/19/20 15:00

Date Received: 08/24/20 12:50

PrepDate:

BatchNo: R34175

FileID: 1-SAMP-n3198.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		09/01/20 7:23
1,1-Dichloroethene	ND	0.50	0.16	µg/L	1		09/01/20 7:23
cis-1,2-Dichloroethene	ND	0.50	0.10	µg/L	1		09/01/20 7:23
Tetrachloroethene	ND	0.50	0.10	µg/L	1		09/01/20 7:23
trans-1,2-Dichloroethene	ND	0.50	0.10	µg/L	1		09/01/20 7:23
Trichloroethene	1.01	0.50	0.10	µg/L	1		09/01/20 7:23
Vinyl chloride	ND	1.00	0.33	µg/L	1		09/01/20 7:23
Surr: 1,2-Dichloroethane-d4	96	75-130	0.16	%REC	1		09/01/20 7:23
Surr: Toluene-d8	97	75-125	0.10	%REC	1		09/01/20 7:23
Surr: 4-Bromofluorobenzene	103	75-125	0.10	%REC	1		09/01/20 7:23

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: 09/10/20 12:02

938277

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: 2013617

Matrix: WATER

Inst. ID: MSN_76

ColumnID: Rtx-VMS

Revision: 09/10/20 12:01

Col Type:

Sample Size: NA

%Moisture:

TestCode: 8260W

Lab ID: 2013617-004A

Client Sample ID: MW-10D

Collection Date: 08/19/20 15:15

Date Received: 08/24/20 12:50

PrepDate:

BatchNo: R34175

FileID: 1-SAMP-n3199.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		09/01/20 7:58
1,1-Dichloroethene	ND	0.50	0.16	µg/L	1		09/01/20 7:58
cis-1,2-Dichloroethene	ND	0.50	0.10	µg/L	1		09/01/20 7:58
Tetrachloroethene	ND	0.50	0.10	µg/L	1		09/01/20 7:58
trans-1,2-Dichloroethene	ND	0.50	0.10	µg/L	1		09/01/20 7:58
Trichloroethene	0.91	0.50	0.10	µg/L	1		09/01/20 7:58
Vinyl chloride	ND	1.00	0.33	µg/L	1		09/01/20 7:58
Surr: 1,2-Dichloroethane-d4	96	75-130	0.16	%REC	1		09/01/20 7:58
Surr: Toluene-d8	97	75-125	0.10	%REC	1		09/01/20 7:58
Surr: 4-Bromofluorobenzene	101	75-125	0.10	%REC	1		09/01/20 7:58

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: 09/10/20 12:02

938278

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: 2013617

Matrix: WATER Q

Inst. ID: MSN_76

ColumnID: Rtx-VMS

Revision: 09/10/20 12:01

Col Type:

Sample Size: NA

%Moisture:

TestCode: 8260W

Lab ID: 2013617-005A

Client Sample ID: *Trip Blank*

Collection Date: 07/28/20 0:00

Date Received: 08/24/20 12:50

PrepDate:

BatchNo: R34175

FileID: 1-SAMP-n3200.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		09/01/20 8:33
1,1-Dichloroethene	ND	0.50	0.16	µg/L	1		09/01/20 8:33
cis-1,2-Dichloroethene	ND	0.50	0.10	µg/L	1		09/01/20 8:33
Tetrachloroethene	ND	0.50	0.10	µg/L	1		09/01/20 8:33
trans-1,2-Dichloroethene	ND	0.50	0.10	µg/L	1		09/01/20 8:33
Trichloroethene	ND	0.50	0.10	µg/L	1		09/01/20 8:33
Vinyl chloride	ND	1.00	0.33	µg/L	1		09/01/20 8:33
Surr: 1,2-Dichloroethane-d4	96	75-130	0.16	%REC	1		09/01/20 8:33
Surr: Toluene-d8	96	75-125	0.10	%REC	1		09/01/20 8:33
Surr: 4-Bromofluorobenzene	103	75-125	0.10	%REC	1		09/01/20 8:33

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: 09/10/20 12:02

938279

Project Supervisor: David J Prichard

GeoLogic NY, P.C.

CHAIN OF CUSTODY RECORD

2013617

CLIENT: GeoLogic

SAMPLERS NAME(S):

PROJECT: 210087

J. A. Menzel

SAMPLE LOCATION	DATE	TIME	SAMPLE TYPE			No. of Containers	ANALYSIS REQUIRED
			WATER	SOIL	AIR		
001 Cascade	8/19/20	15:30	X			2	See Below
002 Tower Discharge	8/19/20	14:40	X			2	"
003 Tower Influent	8/19/20	15:00	X			2	"
004 MW-10D	8/19/20	15:15	X			2	"
005 Trip Blank	7-28-20		X			2	"

Relinquished by: <i>J. A. Menzel</i>	Date 8/19/20	Time 17:00	Received by: GeoLogic Sample Refrigerator	Date 8/19/20	Time 17:00
Relinquished by: <i>J. A. Menzel</i> GeoLogic Sample Refrigerator	Date 8/24/20	Time 9:30	Received by: <i>[Signature]</i>	Date 8/24/20	Time 9:30
Relinquished by:	Date	Time	Received for Lab by: <i>[Signature]</i>	Date 8-24-20	Time 12:50

Method of Shipment: **LAB PICK-UP** TEMP 5.0°C

COMMENTS:

Sample Analysis (1 µg/L reporting limit)

EPA 8260B for

1,1,1-Trichloroethane

1,1-Dichloroethene

1,2-Dichloroethene

Trichloroethene

Tetrachloroethene

Vinyl Chloride

Samples Received

On Ice

Life Science Laboratories, Inc.

Sample Receipt Checklist

Client Name: **GEOLOGIC**

Date and Time Received: **8/24/2020 12:50:00 PM**

Work Order Number: **2013617**

Received by: **gis**

Checklist completed by: 73 8-24-20
Initials Date

Reviewed by: DS 8/25
Initials Date

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: