February 7, 2020

Mr. Payson Long
NYSDEC Division of Environmental Remediation
625 Broadway, 12th Floor
Albany, New York 12233-7013

Re: NOW Corporation - Site No. 3-14-008
O&M Summary Report: December 2019

Dear Mr. Long:

This monthly summary report describes the operation, maintenance and monitoring (OM&M) of the remedial system at the NOW Corporation site in the Town of Clinton, New York, for a 31-day period (**November 19 – December 20, 2019**).

With the exceptions noted below, if any, the pump and treat system was online and operational throughout the reporting period. Approximately 304,000 gallons of water were treated. Discharge from the treatment system averaged approximately 9,800 gallons per day (gpd).

As of the last day of the reporting period, a total of 117,891,000 gallons of groundwater had been recovered and treated by the system since it became operational in February 1998.

Table 1 summarizes influent and effluent analytical data for water samples collected on December 20, 2019. **There were no exceedances of effluent limitations.** A copy of the analytical laboratory report is attached. Total VOCs in the most contaminated extraction well (TW-2A) was 670 µg/L; last month's value was 1,454 µg/L.

Table 2 presents operational data recorded on the sampling date.

There was no downtime during the reporting period. Pumps in recovery wells were operational throughout the period.

AECOM made two site visits to conduct the required system inspection, perform scheduled and unscheduled maintenance, and to collect water samples. Details for the current period follow:

December 12 – Reset the pro controller, which is now working. Noted that TW-3 transducer needs to be replaced.

December 20 – Performed monthly system inspection and influent and effluent sampling. Removed the transducer from TW-3 and left TW-3 off. Ordered a new transducer for TW-3.

The VFD regulating the stripper blower remained at 55 Hz upon departure.

Please feel free to contact me at (518) 951-2373, or at lindsay.mitchell@aecom.com if you have any questions or comments regarding this report or the operation of the treatment system.

Sincerely,

AECOM Technical Services Northeast, Inc.

Lindsay Mitchell, P.E.
Project Manager

Table 1
Summary of Influent and Effluent Data
Sampling Date: December 20, 2019
NOW Corporation Site
NYSDEC Site No. 3-14-008
Town of Clinton, New York

Analytes/ Parameters	Total Influent	Effluent	Recovery Wells			Effluent Limitations	(units)
			TW-1	TW-2A	TW-3		
Quantity treated, avg per day		9,812				Monitor	gallons
pH	6.9	7.3				6.5 to 8.5	standard units
Oil and Grease	<5	**2.5 J**	NA	NA	NA	15	mg/L
Total Cyanide	<0.01	<0.01	NA	NA	NA	0.01	mg/L
TDS	**260**	**260**	NA	NA	NA	1000	mg/L
TSS	**5**	<2.5	NA	NA	NA	50	mg/L
Aluminum, Total	<25	<25	NA	NA	NA	Monitor	µg/L
Arsenic, Total	<30	<30	NA	NA	NA	100	µg/L
Barium, Total	**73.7**	**80.8**	NA	NA	NA	Monitor	µg/L
Chromium	**3 J**	**6.5 J**	NA	NA	NA	400	µg/L
Copper	<20	<20	NA	NA	NA	24	µg/L
Iron	**86 J**	**61.7 J**	NA	NA	NA	600	µg/L
Mercury	<0.2	<0.2	NA	NA	NA	0.8	µg/L
Manganese	**86.2**	**42.8**	NA	NA	NA	Monitor	µg/L
Nickel	<10	<10	NA	NA	NA	200	µg/L
Zinc	**4.1 J**	<20	NA	NA	NA	150	µg/L
1,1,1-Trichloroethane	**260**	<1	**0.8 J**	**280**	**2**	10	µg/L
1,1,2-Trichloroethane	<1	<1	<1	<1	<1	1.2	µg/L
1,1-Dichloroethane	**82**	<1	**19**	**89**	**4**	10	µg/L
1,1-Dichloroethene	**8**	<1	**6**	**10**	**0.9 J**	0.5	µg/L
1,2-Dichloroethane	<1	<1	<1	**0.4 J**	<1	1.6	µg/L
2-Butanone	<10	<10	<10	<10	<10	NL	µg/L
Benzene	<1	<1	<1	<1	<1	1.4	µg/L
Chlorobenzene	<1	<1	<1	<1	<1	10	µg/L
Chloroethane	<1	<1	<1	<1	<1	10	µg/L
cis -1,2-Dichloroethene	**9**	<1	**3**	**10**	<1	5	µg/L
Ethylbenzene	<1	<1	<1	<1	<1	10	µg/L
o-Xylene	<1	<1	<1	<1	<1	5	µg/L
m,p-Xylene	<5	<5	<5	<5	<5	10	µg/L
Tetrachloroethene	<1	<1	<1	<1	<1	1.4	µg/L
Tetrahydrofuran	<10	**0.9 J**	<10	<10	<10	NL	µg/L
Toluene	<1	<1	<1	<1	<1	10	µg/L
Trichloroethene	**240**	<1	**30**	**280**	**13**	6	µg/L
Vinyl Chloride	**0.4 J**	<1	<1	**0.7 J**	<1	0.6	µg/L

Notes:

1) Detected concentrations are presented in ***bold*** *typeface, and are expressed in the units shown in far right column.*

2) Effluent concentration boxed in ***bold*** *denotes exceedance of effluent limitations.*

3) NA indicates not analyzed.

*4) "**J**" indicates an estimated concentration below the reporting limit (RL).*

*5) "**B**" denotes metal detected in method blank at concentration below the RL, but above the method detection limit.*

*6) "**D**" indicates result from a diluted sample.*

7) NL indicates no effluent limitations specified.

*8) "**B**" indicates analyte is found in the associated blank as well as in the sample.*

Table 2
Summary of December 2019 O&M Data

NOW Corporation Site
Town of Clinton, New York

Instrumentation/Readings:		12/20/19	Units
TW-1			
	Pumping Rate	0	GPM
	Water Level Above Transducer	14.91	feet
	Flow Meter Reading	9,346,800	gallons
	Pump Pressure	0	psi
TW-2A			
	Pumping Rate	14	GPM
	Water Level Above Transducer	12.00	feet
	Flow Meter Reading	20,619,400	gallons
	Pump Pressure	0	psi
TW-3			
	Pumping Rate	3	GPM
	Water Level Above Transducer	0.00	feet
	Flow Meter Reading	16,982,300	gallons
	Pump Pressure	0	psi
VFD Setting	Arrival	55	Hz
	Departure	55	Hz
Air Stripper			
	Stripper Blower Pressure	13	inches H_2O
	Air Temperature in Stripper	48	°F
Effluent Flow			
	Effluent Flow this period	304,163	gallons
	Total Effluent Flow	117,890,728	gallons

eurofins | Spectrum Analytical

☑ Final Report
☐ Revised Report

Report Date:
08-Jan-20 16:01

Laboratory Report
SC57148

AECOM Environment
40 British American Boulevard
Latham, NY 12110
Attn: Stephen Choiniere

Project: Now Corp - Staatsburg, NY
Project #: 60276639-1

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

New York # 11393
USDA # P330-15-00375

Authorized by:

Dawn Wojcik
Laboratory Director

Dawn E Wojcik

NELAP ACCREDITED LABORATORY

Eurofins Spectrum Analytical holds primary NELAC certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes. Please refer to our website for specific certification holdings in each state.
Please note that this report contains 29 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Eurofins Spectrum Analytical, Inc.

Eurofins Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Eurofins Spectrum Analytical, Inc. is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Eurofins Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey, Pennsylvania and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (PA-68-04426).

Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory report.

Sample Summary

Work Order: SC57148

Project: Now Corp - Staatsburg, NY

Project Number: 60276639-1

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SC57148-01	EFF55 122019	Ground Water	20-Dec-19 13:40	23-Dec-19 13:45
SC57148-02	INF 122019	Ground Water	20-Dec-19 13:20	23-Dec-19 13:45
SC57148-03	TW-1 122019	Ground Water	20-Dec-19 13:18	23-Dec-19 13:45
SC57148-04	TW-2A 122019	Ground Water	20-Dec-19 13:30	23-Dec-19 13:45
SC57148-05	TW-3 122019	Ground Water	20-Dec-19 13:35	23-Dec-19 13:45
SC57148-06	TB 122019	Trip Blank	20-Dec-19 00:00	23-Dec-19 13:45

CASE NARRATIVE:

Data has been reported to the RDL. This report includes estimated concentrations detected below the RDL and above the MDL (J-Flag).

All non-detects and all results below the detection limit are reported as "<" (less than) the detection limit in this report.

The samples were received 0.8 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 1.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group. If method or program required MS/MSD/Dup were not performed, sufficient sample was not provided to the laboratory.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

EPA 1664B

Samples:

SC57148-01 *EFF55 122019*

Estimated value

HEM (oil & grease)

SW-846 6010C

Samples:

SC57148-01 *EFF55 122019*

Estimated value

Chromium
Iron

SC57148-02 *INF 122019*

Estimated value

Chromium
Iron
Zinc

SW-846 8260C

Samples:

SC57148-01 *EFF55 122019*

Estimated value

Tetrahydrofuran

SC57148-02 *INF 122019*

Estimated value

trans-1,2-Dichloroethene
Vinyl Chloride

SC57148-03 *TW-1 122019*

Estimated value

1,1,1-Trichloroethane

SC57148-04 *TW-2A 122019*

SW-846 8260C

Samples:

SC57148-04 *TW-2A 122019*

Estimated value

1,2-Dichloroethane
Vinyl Chloride

SC57148-05 *TW-3 122019*

Estimated value

1,1-Dichloroethene

SC57148-06 *TB 122019*

Estimated value

Acetone
t-Butyl alcohol

Sample Acceptance Check Form

Client:	AECOM Environment - Latham, NY
Project:	Now Corp - Staatsburg, NY / 60276639-1
Work Order:	SC57148
Sample(s) received on:	12/23/2019

The following outlines the condition of samples for the attached Chain of Custody upon receipt.

	Yes	No	N/A
Were custody seals present?	☑	☐	☐
Were custody seals intact?	☑	☐	☐
Were samples received at a temperature of ≤ 6°C?	☑	☐	☐
Were samples cooled on ice upon transfer to laboratory representative?	☑	☐	☐
Were sample containers received intact?	☑	☐	☐
Were samples properly labeled (labels affixed to sample containers and include sample ID, site location, and/or project number and the collection date)?	☑	☐	☐
Were samples accompanied by a Chain of Custody document?	☑	☐	☐
Does Chain of Custody document include proper, full, and complete documentation, which shall include sample ID, site location, and/or project number, date and time of collection, collector's name, preservation type, sample matrix and any special remarks concerning the sample?	☑	☐	☐
Did sample container labels agree with Chain of Custody document?	☑	☐	☐
Were samples received within method-specific holding times?	☑	☐	☐

Summary of Hits

Lab ID: SC57148-01 **Client ID:** EFF55 122019

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
HEM (oil & grease)	2.5	J.	5.0	mg/l	EPA 1664B
Tot. Diss. Solids	260		10	mg/l	SM2540C-11
Barium	0.0808		0.0050	mg/l	SW-846 6010C
Chromium	0.0065	J.	0.0150	mg/l	SW-846 6010C
Iron	0.0617	J.	0.200	mg/l	SW-846 6010C
Manganese	0.0428		0.0100	mg/l	SW-846 6010C
Tetrahydrofuran	0.9	J.	10	ug/l	SW-846 8260C

Lab ID: SC57148-02 **Client ID:** INF 122019

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Total Suspended Solids	5.0		2.5	mg/l	SM 2540D-11
Tot. Diss. Solids	260		10	mg/l	SM2540C-11
Barium	0.0737		0.0050	mg/l	SW-846 6010C
Chromium	0.0030	J.	0.0150	mg/l	SW-846 6010C
Iron	0.0860	J.	0.200	mg/l	SW-846 6010C
Manganese	0.0862		0.0100	mg/l	SW-846 6010C
Zinc	0.0041	J.	0.0200	mg/l	SW-846 6010C
1,1,1-Trichloroethane	260		1	ug/l	SW-846 8260C
1,1-Dichloroethane	82		1	ug/l	SW-846 8260C
1,1-Dichloroethene	8		1	ug/l	SW-846 8260C
cis-1,2-Dichloroethene	9		1	ug/l	SW-846 8260C
trans-1,2-Dichloroethene	0.2	J.	1	ug/l	SW-846 8260C
Trichloroethene	240		1	ug/l	SW-846 8260C
Vinyl Chloride	0.4	J.	1	ug/l	SW-846 8260C

Lab ID: SC57148-03 **Client ID:** TW-1 122019

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
1,1,1-Trichloroethane	0.8	J.	1	ug/l	SW-846 8260C
1,1-Dichloroethane	19		1	ug/l	SW-846 8260C
1,1-Dichloroethene	6		1	ug/l	SW-846 8260C
cis-1,2-Dichloroethene	3		1	ug/l	SW-846 8260C
Trichloroethene	30		1	ug/l	SW-846 8260C

Lab ID: SC57148-04 **Client ID:** TW-2A 122019

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
1,1,1-Trichloroethane	280		1	ug/l	SW-846 8260C
1,1-Dichloroethane	89		1	ug/l	SW-846 8260C
1,1-Dichloroethene	10		1	ug/l	SW-846 8260C
1,2-Dichloroethane	0.4	J.	1	ug/l	SW-846 8260C
cis-1,2-Dichloroethene	10		1	ug/l	SW-846 8260C
Trichloroethene	280		1	ug/l	SW-846 8260C
Vinyl Chloride	0.7	J.	1	ug/l	SW-846 8260C

Lab ID: SC57148-05 **Client ID:** TW-3 122019

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
1,1,1-Trichloroethane	2		1	ug/l	SW-846 8260C
1,1-Dichloroethane	4		1	ug/l	SW-846 8260C
1,1-Dichloroethene	0.9	J.	1	ug/l	SW-846 8260C
Trichloroethene	13		1	ug/l	SW-846 8260C

Lab ID: SC57148-06 **Client ID:** TB 122019

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Acetone	0.8	J.	20	ug/l	SW-846 8260C
t-Butyl alcohol	30	J.	50	ug/l	SW-846 8260C

Please note that because there are no reporting limits associated with hazardous waste characterizations or micro analyses, this summary does not include hits from these analyses if included in this work order.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
EFF55 122019	60276639-1	Ground Water	20-Dec-19 13:40	23-Dec-19
SC57148-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Subcontracted Analyses													
Prepared by method SM 2540D-11													
*Analysis performed by Phoenix Environmental Labs, Inc. * - CT007*													
	Total Suspended Solids	< 2.5		mg/l	2.5	2.5	0.5	SM 2540D-11	24-Dec-19 06:25	24-Dec-19 06:25	11301	511706A	
Prepared by method SM2540C-11													
*Analysis performed by Phoenix Environmental Labs, Inc. * - CT007*													
	Tot. Diss. Solids	**260**		mg/l	10	10	1	SM2540C-11	24-Dec-19 08:07	24-Dec-19 08:07	11301	511716A	
Prepared by method SM 4500 CN													
*Analysis performed by Phoenix Environmental Labs, Inc. * - CT007*													
57-12-5	Total Cyanide	< 0.010		mg/l	0.010	0.010	1	SW9010C/SW9012B	26-Dec-19	27-Dec-19 14:16	11301	511896A	
Subcontracted Analyses													
Prepared by method General Preparation													
Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670													
	HEM (oil & grease)	**2.5**	J.	mg/l	5.0	1.4	1	EPA 1664B	31-Dec-19 15:35	31-Dec-19 15:35	10670	36580790	
Subcontracted Analyses													
Prepared by method SW-846 3005A													
Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670													
7440-39-3	Barium	**0.0808**		mg/l	0.0050	0.0010	1	SW-846 6010C	31-Dec-19 02:47	05-Jan-20 15:16	10670	36214044	
7440-47-3	Chromium	**0.0065**	J.	mg/l	0.0150	0.0016	1	"	"	"	"	"	
7440-50-8	Copper	< 0.0200		mg/l	0.0200	0.0120	1	"	"	"	"	"	
7439-89-6	Iron	**0.0617**	J.	mg/l	0.200	0.0400	1	"	"	"	"	"	
7439-96-5	Manganese	**0.0428**		mg/l	0.0100	0.0030	1	"	"	"	"	"	
7440-02-0	Nickel	< 0.0100		mg/l	0.0100	0.0021	1	"	"	"	"	"	
7440-66-6	Zinc	< 0.0200		mg/l	0.0200	0.0037	1	"	"	"	"	"	
Re-analysis of Subcontracted Analyses													
Prepared by method SW-846 3005A													
7440-38-2	Arsenic	< 0.0300		mg/l	0.0300	0.0160	1	SW-846 6010C	31-Dec-19 02:47	05-Jan-20 20:47	10670	36214044	
Prepared by method SW-846 3020A													
Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670													
7429-90-5	Aluminum	< 0.0250		mg/l	0.0250	0.0197	1	SW-846 6020A	31-Dec-19 03:24	07-Jan-20 10:35	10670	6214047(	
Prepared by method METHOD													
Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670													
7439-97-6	Mercury	< 0.00020		mg/l	0.00020	0.000050	1	SW-846 7470A	31-Dec-19 04:52	31-Dec-19 09:47	10670	36205713	
Subcontracted Analyses													
Prepared by method SW-846 5030C													
Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670													
630-20-6	1,1,1,2-Tetrachloroethane	< 1		ug/l	1	0.2	1	SW-846 8260C	31-Dec-19 13:38	31-Dec-19 13:39	10670	193651A/	
71-55-6	1,1,1-Trichloroethane	< 1		ug/l	1	0.3	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	< 5		ug/l	5	0.4	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
EFF55 122019	60276639-1	Ground Water	20-Dec-19 13:40	23-Dec-19
SC57148-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Subcontracted Analyses													
Subcontracted Analyses													
Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670													
96-18-4	1,2,3-Trichloropropane	< 5		ug/l	5	0.2	1	SW-846 8260C	31-Dec-19 13:38	31-Dec-19 13:39	10670	193651A	
120-82-1	1,2,4-Trichlorobenzene	< 5		ug/l	5	0.3	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	< 5		ug/l	5	1	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	< 5		ug/l	5	0.3	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	< 1		ug/l	1	0.3	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
108-70-3	1,3,5-Trichlorobenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	< 5		ug/l	5	0.3	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
123-91-1	1,4-Dioxane	< 250		ug/l	250	29	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	< 1		ug/l	1	0.3	1	"	"	"	"	"	
78-93-3	2-Butanone	< 10		ug/l	10	0.3	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
591-78-6	2-Hexanone	< 10		ug/l	10	0.3	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
108-10-1	4-Methyl-2-pentanone	< 10		ug/l	10	0.5	1	"	"	"	"	"	
67-64-1	Acetone	< 20		ug/l	20	0.7	1	"	"	"	"	"	
107-13-1	Acrylonitrile	< 20		ug/l	20	0.3	1	"	"	"	"	"	
71-43-2	Benzene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
108-86-1	Bromobenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
74-97-5	Bromochloromethane	< 5		ug/l	5	0.2	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
75-25-2	Bromoform	< 4		ug/l	4	1	1	"	"	"	"	"	
74-83-9	Bromomethane	< 1		ug/l	1	0.3	1	"	"	"	"	"	
75-15-0	Carbon Disulfide	< 5		ug/l	5	0.2	1	"	"	"	"	"	
56-23-5	Carbon Tetrachloride	< 1		ug/l	1	0.2	1	"	"	"	"	"	
108-90-7	Chlorobenzene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
75-00-3	Chloroethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
67-66-3	Chloroform	< 1		ug/l	1	0.2	1	"	"	"	"	"	
74-87-3	Chloromethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
108-20-3	di-Isopropyl ether	< 1		ug/l	1	0.2	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
74-95-3	Dibromomethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
64-17-5	Ethanol	< 750		ug/l	750	280	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 5		ug/l	5	0.2	1	"	"	"	"	"	
637-92-3	Ethyl t-butyl ether	< 1		ug/l	1	0.2	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
EFF55 122019 SC57148-01	60276639-1	Ground Water	20-Dec-19 13:40	23-Dec-19

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Subcontracted Analyses													
Subcontracted Analyses													
Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670													
100-41-4	Ethylbenzene	< 1		ug/l	1	0.4	1	SW-846 8260C	31-Dec-19 13:38	31-Dec-19 13:39	10670	193651A	
76-13-1	Freon 113	< 10		ug/l	10	0.2	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	< 5		ug/l	5	2	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
179601-23-1	m+p-Xylene	< 5		ug/l	5	1	1	"	"	"	"	"	
1634-04-4	Methyl Tertiary Butyl Ether	< 1		ug/l	1	0.2	1	"	"	"	"	"	
75-09-2	Methylene Chloride	< 1		ug/l	1	0.3	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
91-20-3	Naphthalene	< 5		ug/l	5	1	1	"	"	"	"	"	
95-47-6	o-Xylene	< 1		ug/l	1	0.4	1	"	"	"	"	"	
99-87-6	p-Isopropyltoluene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
100-42-5	Styrene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
994-05-8	t-Amyl methyl ether	< 5		ug/l	5	0.8	1	"	"	"	"	"	
75-65-0	t-Butyl alcohol	< 50		ug/l	50	12	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	< 5		ug/l	5	0.3	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
109-99-9	Tetrahydrofuran	**0.9**	J.	ug/l	10	0.7	1	"	"	"	"	"	
108-88-3	Toluene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
110-57-6	trans-1,4-Dichloro-2-buten e	< 50		ug/l	50	6	1	"	"	"	"	"	
79-01-6	Trichloroethene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
75-01-4	Vinyl Chloride	< 1		ug/l	1	0.2	1	"	"	"	"	"	
Surrogate recoveries:													
17060-07-0	*1,2-Dichloroethane-d4*	*101*			*80-120 %*			"	"	"	"	"	
460-00-4	*4-Bromofluorobenzene*	*99*			*80-120 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*99*			*80-120 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*102*			*80-120 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
INF 122019	60276639-1	Ground Water	20-Dec-19 13:20	23-Dec-19
SC57148-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Subcontracted Analyses													
Prepared by method SM 2540D-11													
*Analysis performed by Phoenix Environmental Labs, Inc. * - CT007*													
	Total Suspended Solids	**5.0**		mg/l	2.5	2.5	0.5	SM 2540D-11	24-Dec-19 06:25	24-Dec-19 06:25	11301	511706A	
Prepared by method SM2540C-11													
*Analysis performed by Phoenix Environmental Labs, Inc. * - CT007*													
	Tot. Diss. Solids	**260**		mg/l	10	10	1	SM2540C-11	24-Dec-19 08:07	24-Dec-19 08:07	11301	511716A	
Prepared by method SM 4500 CN													
*Analysis performed by Phoenix Environmental Labs, Inc. * - CT007*													
57-12-5	Total Cyanide	< 0.010		mg/l	0.010	0.010	1	SW9010C/SW9012B	26-Dec-19	27-Dec-19 14:17	11301	511896A	
Subcontracted Analyses													
Prepared by method General Preparation													
Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670													
	HEM (oil & grease)	< 5.0		mg/l	5.0	1.4	1	EPA 1664B	31-Dec-19 15:35	31-Dec-19 15:35	10670	36580790	
Subcontracted Analyses													
Prepared by method SW-846 3005A													
Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670													
7440-39-3	Barium	**0.0737**		mg/l	0.0050	0.0010	1	SW-846 6010C	31-Dec-19 02:47	05-Jan-20 15:06	10670	36214044	
7440-47-3	Chromium	**0.0030**	J.	mg/l	0.0150	0.0016	1	"	"	"	"	"	
7440-50-8	Copper	< 0.0200		mg/l	0.0200	0.0120	1	"	"	"	"	"	
7439-89-6	Iron	**0.0860**	J.	mg/l	0.200	0.0400	1	"	"	"	"	"	
7439-96-5	Manganese	**0.0862**		mg/l	0.0100	0.0030	1	"	"	"	"	"	
7440-02-0	Nickel	< 0.0100		mg/l	0.0100	0.0021	1	"	"	"	"	"	
7440-66-6	Zinc	**0.0041**	J.	mg/l	0.0200	0.0037	1	"	"	"	"	"	
Re-analysis of Subcontracted Analyses													
Prepared by method SW-846 3005A													
7440-38-2	Arsenic	< 0.0300		mg/l	0.0300	0.0160	1	SW-846 6010C	31-Dec-19 02:47	05-Jan-20 20:44	10670	36214044	
Prepared by method SW-846 3020A													
Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670													
7429-90-5	Aluminum	< 0.0250		mg/l	0.0250	0.0197	1	SW-846 6020A	31-Dec-19 03:24	07-Jan-20 10:30	10670	6214047(	
Prepared by method METHOD													
Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670													
7439-97-6	Mercury	< 0.00020		mg/l	0.00020	0.000050	1	SW-846 7470A	31-Dec-19 04:52	31-Dec-19 09:39	10670	36205713	
Subcontracted Analyses													
Prepared by method SW-846 5030C													
Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670													
630-20-6	1,1,1,2-Tetrachloroethane	< 1		ug/l	1	0.2	1	SW-846 8260C	31-Dec-19 14:00	31-Dec-19 14:01	10670	193651A/	
71-55-6	1,1,1-Trichloroethane	**260**		ug/l	1	0.3	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	**82**		ug/l	1	0.2	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	**8**		ug/l	1	0.2	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	< 5		ug/l	5	0.4	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
INF 122019	60276639-1	Ground Water	20-Dec-19 13:20	23-Dec-19
SC57148-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Subcontracted Analyses													
Subcontracted Analyses													
Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670													
96-18-4	1,2,3-Trichloropropane	< 5		ug/l	5	0.2	1	SW-846 8260C	31-Dec-19 14:00	31-Dec-19 14:01	10670	193651A	
120-82-1	1,2,4-Trichlorobenzene	< 5		ug/l	5	0.3	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	< 5		ug/l	5	1	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	< 5		ug/l	5	0.3	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	< 1		ug/l	1	0.3	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
108-70-3	1,3,5-Trichlorobenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	< 5		ug/l	5	0.3	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
123-91-1	1,4-Dioxane	< 250		ug/l	250	29	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	< 1		ug/l	1	0.3	1	"	"	"	"	"	
78-93-3	2-Butanone	< 10		ug/l	10	0.3	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
591-78-6	2-Hexanone	< 10		ug/l	10	0.3	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
108-10-1	4-Methyl-2-pentanone	< 10		ug/l	10	0.5	1	"	"	"	"	"	
67-64-1	Acetone	< 20		ug/l	20	0.7	1	"	"	"	"	"	
107-13-1	Acrylonitrile	< 20		ug/l	20	0.3	1	"	"	"	"	"	
71-43-2	Benzene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
108-86-1	Bromobenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
74-97-5	Bromochloromethane	< 5		ug/l	5	0.2	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
75-25-2	Bromoform	< 4		ug/l	4	1	1	"	"	"	"	"	
74-83-9	Bromomethane	< 1		ug/l	1	0.3	1	"	"	"	"	"	
75-15-0	Carbon Disulfide	< 5		ug/l	5	0.2	1	"	"	"	"	"	
56-23-5	Carbon Tetrachloride	< 1		ug/l	1	0.2	1	"	"	"	"	"	
108-90-7	Chlorobenzene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
75-00-3	Chloroethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
67-66-3	Chloroform	< 1		ug/l	1	0.2	1	"	"	"	"	"	
74-87-3	Chloromethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	9		ug/l	1	0.2	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
108-20-3	di-Isopropyl ether	< 1		ug/l	1	0.2	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
74-95-3	Dibromomethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
64-17-5	Ethanol	< 750		ug/l	750	280	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 5		ug/l	5	0.2	1	"	"	"	"	"	
637-92-3	Ethyl t-butyl ether	< 1		ug/l	1	0.2	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
INF 122019 SC57148-02	60276639-1	Ground Water	20-Dec-19 13:20	23-Dec-19

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Subcontracted Analyses													
Subcontracted Analyses													
Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670													
100-41-4	Ethylbenzene	< 1		ug/l	1	0.4	1	SW-846 8260C	31-Dec-19 14:00	31-Dec-19 14:01	10670	193651A	
76-13-1	Freon 113	< 10		ug/l	10	0.2	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	< 5		ug/l	5	2	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
179601-23-1	m+p-Xylene	< 5		ug/l	5	1	1	"	"	"	"	"	
1634-04-4	Methyl Tertiary Butyl Ether	< 1		ug/l	1	0.2	1	"	"	"	"	"	
75-09-2	Methylene Chloride	< 1		ug/l	1	0.3	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
91-20-3	Naphthalene	< 5		ug/l	5	1	1	"	"	"	"	"	
95-47-6	o-Xylene	< 1		ug/l	1	0.4	1	"	"	"	"	"	
99-87-6	p-Isopropyltoluene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
100-42-5	Styrene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
994-05-8	t-Amyl methyl ether	< 5		ug/l	5	0.8	1	"	"	"	"	"	
75-65-0	t-Butyl alcohol	< 50		ug/l	50	12	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	< 5		ug/l	5	0.3	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
109-99-9	Tetrahydrofuran	< 10		ug/l	10	0.7	1	"	"	"	"	"	
108-88-3	Toluene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	**0.2**	J.	ug/l	1	0.2	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
110-57-6	trans-1,4-Dichloro-2-buten e	< 50		ug/l	50	6	1	"	"	"	"	"	
79-01-6	Trichloroethene	**240**		ug/l	1	0.2	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
75-01-4	Vinyl Chloride	**0.4**	J.	ug/l	1	0.2	1	"	"	"	"	"	
Surrogate recoveries:													
17060-07-0	*1,2-Dichloroethane-d4*	*101*			*80-120 %*			"	"	"	"	"	
460-00-4	*4-Bromofluorobenzene*	*100*			*80-120 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*101*			*80-120 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*102*			*80-120 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TW-1 122019	60276639-1	Ground Water	20-Dec-19 13:18	23-Dec-19
SC57148-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Subcontracted Analyses													
Subcontracted Analyses Prepared by method SW-846 5030C													
Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670													
630-20-6	1,1,1,2-Tetrachloroethane	< 1		ug/l	1	0.2	1	SW-846 8260C	31-Dec-19 14:22	31-Dec-19 14:23	10670	193651A	
71-55-6	1,1,1-Trichloroethane	**0.8**	J.	ug/l	1	0.3	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	**19**		ug/l	1	0.2	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	**6**		ug/l	1	0.2	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	< 5		ug/l	5	0.4	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	< 5		ug/l	5	0.2	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	< 5		ug/l	5	0.3	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	< 5		ug/l	5	1	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	< 5		ug/l	5	0.3	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	< 1		ug/l	1	0.3	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
108-70-3	1,3,5-Trichlorobenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	< 5		ug/l	5	0.3	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
123-91-1	1,4-Dioxane	< 250		ug/l	250	29	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	< 1		ug/l	1	0.3	1	"	"	"	"	"	
78-93-3	2-Butanone	< 10		ug/l	10	0.3	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
591-78-6	2-Hexanone	< 10		ug/l	10	0.3	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
108-10-1	4-Methyl-2-pentanone	< 10		ug/l	10	0.5	1	"	"	"	"	"	
67-64-1	Acetone	< 20		ug/l	20	0.7	1	"	"	"	"	"	
107-13-1	Acrylonitrile	< 20		ug/l	20	0.3	1	"	"	"	"	"	
71-43-2	Benzene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
108-86-1	Bromobenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
74-97-5	Bromochloromethane	< 5		ug/l	5	0.2	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
75-25-2	Bromoform	< 4		ug/l	4	1	1	"	"	"	"	"	
74-83-9	Bromomethane	< 1		ug/l	1	0.3	1	"	"	"	"	"	
75-15-0	Carbon Disulfide	< 5		ug/l	5	0.2	1	"	"	"	"	"	
56-23-5	Carbon Tetrachloride	< 1		ug/l	1	0.2	1	"	"	"	"	"	
108-90-7	Chlorobenzene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
75-00-3	Chloroethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
67-66-3	Chloroform	< 1		ug/l	1	0.2	1	"	"	"	"	"	
74-87-3	Chloromethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TW-1 122019	60276639-1	Ground Water	20-Dec-19 13:18	23-Dec-19
SC57148-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Subcontracted Analyses													
Subcontracted Analyses													
Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670													
156-59-2	cis-1,2-Dichloroethene	3		ug/l	1	0.2	1	SW-846 8260C	31-Dec-19 14:22	31-Dec-19 14:23	10670	193651A	
10061-01-5	cis-1,3-Dichloropropene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
108-20-3	di-Isopropyl ether	< 1		ug/l	1	0.2	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
74-95-3	Dibromomethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
64-17-5	Ethanol	< 750		ug/l	750	280	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 5		ug/l	5	0.2	1	"	"	"	"	"	
637-92-3	Ethyl t-butyl ether	< 1		ug/l	1	0.2	1	"	"	"	"	"	
100-41-4	Ethylbenzene	< 1		ug/l	1	0.4	1	"	"	"	"	"	
76-13-1	Freon 113	< 10		ug/l	10	0.2	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	< 5		ug/l	5	2	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
179601-23-1	m+p-Xylene	< 5		ug/l	5	1	1	"	"	"	"	"	
1634-04-4	Methyl Tertiary Butyl Ether	< 1		ug/l	1	0.2	1	"	"	"	"	"	
75-09-2	Methylene Chloride	< 1		ug/l	1	0.3	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
91-20-3	Naphthalene	< 5		ug/l	5	1	1	"	"	"	"	"	
95-47-6	o-Xylene	< 1		ug/l	1	0.4	1	"	"	"	"	"	
99-87-6	p-Isopropyltoluene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
100-42-5	Styrene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
994-05-8	t-Amyl methyl ether	< 5		ug/l	5	0.8	1	"	"	"	"	"	
75-65-0	t-Butyl alcohol	< 50		ug/l	50	12	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	< 5		ug/l	5	0.3	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
109-99-9	Tetrahydrofuran	< 10		ug/l	10	0.7	1	"	"	"	"	"	
108-88-3	Toluene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
110-57-6	trans-1,4-Dichloro-2-butene	< 50		ug/l	50	6	1	"	"	"	"	"	
79-01-6	Trichloroethene	30		ug/l	1	0.2	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
75-01-4	Vinyl Chloride	< 1		ug/l	1	0.2	1	"	"	"	"	"	
Surrogate recoveries:													
17060-07-0	*1,2-Dichloroethane-d4*	*100*			*80-120 %*			"	"	"	"	"	
460-00-4	*4-Bromofluorobenzene*	*99*			*80-120 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*100*			*80-120 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*101*			*80-120 %*			"	"	"	"	"	

Subcontracted Analyses

Subcontracted Analyses
Prepared by method SW-846 5030C

Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
630-20-6	1,1,1,2-Tetrachloroethane	< 1		ug/l	1	0.2	1	SW-846 8260C	31-Dec-19 14:44	31-Dec-19 14:45	10670	193651A	
71-55-6	1,1,1-Trichloroethane	**280**		ug/l	1	0.3	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	**89**		ug/l	1	0.2	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	**10**		ug/l	1	0.2	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	< 5		ug/l	5	0.4	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	< 5		ug/l	5	0.2	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	< 5		ug/l	5	0.3	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	< 5		ug/l	5	1	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	< 5		ug/l	5	0.3	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	**0.4**	J.	ug/l	1	0.3	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
108-70-3	1,3,5-Trichlorobenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	< 5		ug/l	5	0.3	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
123-91-1	1,4-Dioxane	< 250		ug/l	250	29	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	< 1		ug/l	1	0.3	1	"	"	"	"	"	
78-93-3	2-Butanone	< 10		ug/l	10	0.3	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
591-78-6	2-Hexanone	< 10		ug/l	10	0.3	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
108-10-1	4-Methyl-2-pentanone	< 10		ug/l	10	0.5	1	"	"	"	"	"	
67-64-1	Acetone	< 20		ug/l	20	0.7	1	"	"	"	"	"	
107-13-1	Acrylonitrile	< 20		ug/l	20	0.3	1	"	"	"	"	"	
71-43-2	Benzene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
108-86-1	Bromobenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
74-97-5	Bromochloromethane	< 5		ug/l	5	0.2	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
75-25-2	Bromoform	< 4		ug/l	4	1	1	"	"	"	"	"	
74-83-9	Bromomethane	< 1		ug/l	1	0.3	1	"	"	"	"	"	
75-15-0	Carbon Disulfide	< 5		ug/l	5	0.2	1	"	"	"	"	"	
56-23-5	Carbon Tetrachloride	< 1		ug/l	1	0.2	1	"	"	"	"	"	
108-90-7	Chlorobenzene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
75-00-3	Chloroethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
67-66-3	Chloroform	< 1		ug/l	1	0.2	1	"	"	"	"	"	
74-87-3	Chloromethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TW-2A 122019	60276639-1	Ground Water	20-Dec-19 13:30	23-Dec-19
SC57148-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Subcontracted Analyses													
Subcontracted Analyses													
Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670													
156-59-2	cis-1,2-Dichloroethene	**10**		ug/l	1	0.2	1	SW-846 8260C	31-Dec-19 14:44	31-Dec-19 14:45	10670	193651A	
10061-01-5	cis-1,3-Dichloropropene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
108-20-3	di-Isopropyl ether	< 1		ug/l	1	0.2	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
74-95-3	Dibromomethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
64-17-5	Ethanol	< 750		ug/l	750	280	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 5		ug/l	5	0.2	1	"	"	"	"	"	
637-92-3	Ethyl t-butyl ether	< 1		ug/l	1	0.2	1	"	"	"	"	"	
100-41-4	Ethylbenzene	< 1		ug/l	1	0.4	1	"	"	"	"	"	
76-13-1	Freon 113	< 10		ug/l	10	0.2	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	< 5		ug/l	5	2	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
179601-23-1	m+p-Xylene	< 5		ug/l	5	1	1	"	"	"	"	"	
1634-04-4	Methyl Tertiary Butyl Ether	< 1		ug/l	1	0.2	1	"	"	"	"	"	
75-09-2	Methylene Chloride	< 1		ug/l	1	0.3	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
91-20-3	Naphthalene	< 5		ug/l	5	1	1	"	"	"	"	"	
95-47-6	o-Xylene	< 1		ug/l	1	0.4	1	"	"	"	"	"	
99-87-6	p-Isopropyltoluene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
100-42-5	Styrene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
994-05-8	t-Amyl methyl ether	< 5		ug/l	5	0.8	1	"	"	"	"	"	
75-65-0	t-Butyl alcohol	< 50		ug/l	50	12	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	< 5		ug/l	5	0.3	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
109-99-9	Tetrahydrofuran	< 10		ug/l	10	0.7	1	"	"	"	"	"	
108-88-3	Toluene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
110-57-6	trans-1,4-Dichloro-2-butene	< 50		ug/l	50	6	1	"	"	"	"	"	
79-01-6	Trichloroethene	**280**		ug/l	1	0.2	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
75-01-4	Vinyl Chloride	**0.7**	J.	ug/l	1	0.2	1	"	"	"	"	"	
Surrogate recoveries:													
17060-07-0	*1,2-Dichloroethane-d4*	*103*			*80-120 %*			"	"	"	"	"	
460-00-4	*4-Bromofluorobenzene*	*101*			*80-120 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*102*			*80-120 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*103*			*80-120 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TW-3 122019	60276639-1	Ground Water	20-Dec-19 13:35	23-Dec-19
SC57148-05				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Subcontracted Analyses													
Subcontracted Analyses Prepared by method SW-846 5030C													
Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670													
630-20-6	1,1,1,2-Tetrachloroethane	< 1		ug/l	1	0.2	1	SW-846 8260C	31-Dec-19 15:06	31-Dec-19 15:07	10670	193651A	
71-55-6	1,1,1-Trichloroethane	2		ug/l	1	0.3	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	4		ug/l	1	0.2	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	0.9	J.	ug/l	1	0.2	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	< 5		ug/l	5	0.4	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	< 5		ug/l	5	0.2	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	< 5		ug/l	5	0.3	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	< 5		ug/l	5	1	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	< 5		ug/l	5	0.3	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	< 1		ug/l	1	0.3	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
108-70-3	1,3,5-Trichlorobenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	< 5		ug/l	5	0.3	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
123-91-1	1,4-Dioxane	< 250		ug/l	250	29	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	< 1		ug/l	1	0.3	1	"	"	"	"	"	
78-93-3	2-Butanone	< 10		ug/l	10	0.3	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
591-78-6	2-Hexanone	< 10		ug/l	10	0.3	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
108-10-1	4-Methyl-2-pentanone	< 10		ug/l	10	0.5	1	"	"	"	"	"	
67-64-1	Acetone	< 20		ug/l	20	0.7	1	"	"	"	"	"	
107-13-1	Acrylonitrile	< 20		ug/l	20	0.3	1	"	"	"	"	"	
71-43-2	Benzene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
108-86-1	Bromobenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
74-97-5	Bromochloromethane	< 5		ug/l	5	0.2	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
75-25-2	Bromoform	< 4		ug/l	4	1	1	"	"	"	"	"	
74-83-9	Bromomethane	< 1		ug/l	1	0.3	1	"	"	"	"	"	
75-15-0	Carbon Disulfide	< 5		ug/l	5	0.2	1	"	"	"	"	"	
56-23-5	Carbon Tetrachloride	< 1		ug/l	1	0.2	1	"	"	"	"	"	
108-90-7	Chlorobenzene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
75-00-3	Chloroethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
67-66-3	Chloroform	< 1		ug/l	1	0.2	1	"	"	"	"	"	
74-87-3	Chloromethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TW-3 122019	60276639-1	Ground Water	20-Dec-19 13:35	23-Dec-19
SC57148-05				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Subcontracted Analyses													
Subcontracted Analyses													
Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670													
156-59-2	cis-1,2-Dichloroethene	< 1		ug/l	1	0.2	1	SW-846 8260C	31-Dec-19 15:06	31-Dec-19 15:07	10670	193651A	
10061-01-5	cis-1,3-Dichloropropene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
108-20-3	di-Isopropyl ether	< 1		ug/l	1	0.2	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
74-95-3	Dibromomethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
64-17-5	Ethanol	< 750		ug/l	750	280	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 5		ug/l	5	0.2	1	"	"	"	"	"	
637-92-3	Ethyl t-butyl ether	< 1		ug/l	1	0.2	1	"	"	"	"	"	
100-41-4	Ethylbenzene	< 1		ug/l	1	0.4	1	"	"	"	"	"	
76-13-1	Freon 113	< 10		ug/l	10	0.2	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	< 5		ug/l	5	2	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
179601-23-1	m+p-Xylene	< 5		ug/l	5	1	1	"	"	"	"	"	
1634-04-4	Methyl Tertiary Butyl Ether	< 1		ug/l	1	0.2	1	"	"	"	"	"	
75-09-2	Methylene Chloride	< 1		ug/l	1	0.3	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
91-20-3	Naphthalene	< 5		ug/l	5	1	1	"	"	"	"	"	
95-47-6	o-Xylene	< 1		ug/l	1	0.4	1	"	"	"	"	"	
99-87-6	p-Isopropyltoluene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
100-42-5	Styrene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
994-05-8	t-Amyl methyl ether	< 5		ug/l	5	0.8	1	"	"	"	"	"	
75-65-0	t-Butyl alcohol	< 50		ug/l	50	12	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	< 5		ug/l	5	0.3	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
109-99-9	Tetrahydrofuran	< 10		ug/l	10	0.7	1	"	"	"	"	"	
108-88-3	Toluene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
110-57-6	trans-1,4-Dichloro-2-butene	< 50		ug/l	50	6	1	"	"	"	"	"	
79-01-6	Trichloroethene	13		ug/l	1	0.2	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
75-01-4	Vinyl Chloride	< 1		ug/l	1	0.2	1	"	"	"	"	"	
Surrogate recoveries:													
17060-07-0	*1,2-Dichloroethane-d4*	*103*			*80-120 %*			"	"	"	"	"	
460-00-4	*4-Bromofluorobenzene*	*99*			*80-120 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*100*			*80-120 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*102*			*80-120 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TB 122019 SC57148-06	60276639-1	Trip Blank	20-Dec-19 00:00	23-Dec-19

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Subcontracted Analyses													
Subcontracted Analyses Prepared by method SW-846 5030C													
Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670													
630-20-6	1,1,1,2-Tetrachloroethane	< 1		ug/l	1	0.2	1	SW-846 8260C	31-Dec-19 12:09	31-Dec-19 12:10	10670	193651A/	
71-55-6	1,1,1-Trichloroethane	< 1		ug/l	1	0.3	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	< 5		ug/l	5	0.4	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	< 5		ug/l	5	0.2	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	< 5		ug/l	5	0.3	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	< 5		ug/l	5	1	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	< 5		ug/l	5	0.3	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	< 1		ug/l	1	0.3	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
108-70-3	1,3,5-Trichlorobenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	< 5		ug/l	5	0.3	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
123-91-1	1,4-Dioxane	< 250		ug/l	250	29	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	< 1		ug/l	1	0.3	1	"	"	"	"	"	
78-93-3	2-Butanone	< 10		ug/l	10	0.3	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
591-78-6	2-Hexanone	< 10		ug/l	10	0.3	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
108-10-1	4-Methyl-2-pentanone	< 10		ug/l	10	0.5	1	"	"	"	"	"	
67-64-1	Acetone	**0.8**	J.	ug/l	20	0.7	1	"	"	"	"	"	
107-13-1	Acrylonitrile	< 20		ug/l	20	0.3	1	"	"	"	"	"	
71-43-2	Benzene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
108-86-1	Bromobenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
74-97-5	Bromochloromethane	< 5		ug/l	5	0.2	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
75-25-2	Bromoform	< 4		ug/l	4	1	1	"	"	"	"	"	
74-83-9	Bromomethane	< 1		ug/l	1	0.3	1	"	"	"	"	"	
75-15-0	Carbon Disulfide	< 5		ug/l	5	0.2	1	"	"	"	"	"	
56-23-5	Carbon Tetrachloride	< 1		ug/l	1	0.2	1	"	"	"	"	"	
108-90-7	Chlorobenzene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
75-00-3	Chloroethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
67-66-3	Chloroform	< 1		ug/l	1	0.2	1	"	"	"	"	"	
74-87-3	Chloromethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TB 122019 SC57148-06	60276639-1	Trip Blank	20-Dec-19 00:00	23-Dec-19

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Subcontracted Analyses													
Subcontracted Analyses													
Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670													
156-59-2	cis-1,2-Dichloroethene	< 1		ug/l	1	0.2	1	SW-846 8260C	31-Dec-19 12:09	31-Dec-19 12:10	10670	193651A	
10061-01-5	cis-1,3-Dichloropropene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
108-20-3	di-Isopropyl ether	< 1		ug/l	1	0.2	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
74-95-3	Dibromomethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
64-17-5	Ethanol	< 750		ug/l	750	280	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 5		ug/l	5	0.2	1	"	"	"	"	"	
637-92-3	Ethyl t-butyl ether	< 1		ug/l	1	0.2	1	"	"	"	"	"	
100-41-4	Ethylbenzene	< 1		ug/l	1	0.4	1	"	"	"	"	"	
76-13-1	Freon 113	< 10		ug/l	10	0.2	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	< 5		ug/l	5	2	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
179601-23-1	m+p-Xylene	< 5		ug/l	5	1	1	"	"	"	"	"	
1634-04-4	Methyl Tertiary Butyl Ether	< 1		ug/l	1	0.2	1	"	"	"	"	"	
75-09-2	Methylene Chloride	< 1		ug/l	1	0.3	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
91-20-3	Naphthalene	< 5		ug/l	5	1	1	"	"	"	"	"	
95-47-6	o-Xylene	< 1		ug/l	1	0.4	1	"	"	"	"	"	
99-87-6	p-Isopropyltoluene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
100-42-5	Styrene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
994-05-8	t-Amyl methyl ether	< 5		ug/l	5	0.8	1	"	"	"	"	"	
75-65-0	t-Butyl alcohol	30	J.	ug/l	50	12	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	< 5		ug/l	5	0.3	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
109-99-9	Tetrahydrofuran	< 10		ug/l	10	0.7	1	"	"	"	"	"	
108-88-3	Toluene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
110-57-6	trans-1,4-Dichloro-2-butene	< 50		ug/l	50	6	1	"	"	"	"	"	
79-01-6	Trichloroethene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
75-01-4	Vinyl Chloride	< 1		ug/l	1	0.2	1	"	"	"	"	"	
Surrogate recoveries:													
17060-07-0	*1,2-Dichloroethane-d4*	*102*			*80-120 %*			"	"	"	"	"	
460-00-4	*4-Bromofluorobenzene*	*101*			*80-120 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*98*			*80-120 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*101*			*80-120 %*			"	"	"	"	"	

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SM 2540D-11										
Batch 511706A - SM 2540D-11										
Blank (CE91531-BLK)					Prepared & Analyzed: 24-Dec-19					
Total Suspended Solids	< 2.5		mg/l	2.5	68.2		BRL	-		
LCS (CE91531-LCS)					Prepared & Analyzed: 24-Dec-19					
Total Suspended Solids	**72.00**		mg/l	2.5	68.2		106	85-115		20
SM2540C-11										
Batch 511716A - SM2540C-11										
Blank (CE92038-BLK)					Prepared & Analyzed: 24-Dec-19					
Tot. Diss. Solids	< 10		mg/l	10	259		BRL	-		
LCS (CE92038-LCS)					Prepared & Analyzed: 24-Dec-19					
Tot. Diss. Solids	**232.0**		mg/l	10	259		90	85-115		20
SW9010C/SW9012B										
Batch 511896A - SM 4500 CN										
Blank (CE93000-BLK)					Prepared: 26-Dec-19 Analyzed: 27-Dec-19					
Total Cyanide	< 0.010		mg/l	0.010			BRL	-		
Duplicate (CE93000-DUP)			**Source: SC57148-01**		Prepared: 26-Dec-19 Analyzed: 27-Dec-19					
Total Cyanide	< 0.010		mg/l	0.010		BDL		-	NC	20
LCS (CE93000-LCS)					Prepared: 26-Dec-19 Analyzed: 27-Dec-19					
Total Cyanide	**0.4270**		mg/l	0.010	0.429		99.5	90-110		20
Matrix Spike (CE93000-MS)			**Source: SC57148-01**		Prepared: 26-Dec-19 Analyzed: 27-Dec-19					
Total Cyanide	**0.2150**		mg/l	0.010	)00000298	BDL	107	90-110		20

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
EPA 1664B										
Batch 19365807902A - General Preparation										
Blank (B365102B)						Prepared & Analyzed: 31-Dec-19				
HEM (oil & grease)	< 5.0		mg/l	5.0				-		
LCS (L365102Q)						Prepared & Analyzed: 31-Dec-19				
HEM (oil & grease)	**40.8**		mg/l	5.0	40.0		102	78-114		
LCS Dup (L365102Y)						Prepared & Analyzed: 31-Dec-19				
HEM (oil & grease)	**39.8**		mg/l	5.0	40.0		100	78-114	2	13
SW-846 6010C										
Batch 193621404401 - SW-846 3005A										
Blank (P36204AB)						Prepared: 31-Dec-19 Analyzed: 05-Jan-20				
Arsenic	< 0.0300		mg/l	0.0300				-		
Blank (P36204ABB)						Prepared: 31-Dec-19 Analyzed: 05-Jan-20				
Barium	< 0.0050		mg/l	0.0050				-		
Zinc	**0.0048**		mg/l	0.0200				-		
Nickel	< 0.0100		mg/l	0.0100				-		
Manganese	< 0.0100		mg/l	0.0100				-		
Iron	< 0.200		mg/l	0.200				-		
Chromium	< 0.0150		mg/l	0.0150				-		
Copper	< 0.0200		mg/l	0.0200				-		
LCS (P36204AQ)						Prepared: 31-Dec-19 Analyzed: 05-Jan-20				
Arsenic	**0.0624**		mg/l	0.0300	0.0600		104	80-120		
LCS (P36204AQQ)						Prepared: 31-Dec-19 Analyzed: 05-Jan-20				
Manganese	**0.0210**		mg/l	0.0100	0.0200		105	80-120		
Nickel	**2.15**		mg/l	0.0100	2.02		106	80-120		
Chromium	**0.0312**		mg/l	0.0150	0.0300		104	80-120		
Zinc	**0.443**		mg/l	0.0200	0.440		101	80-120		
Barium	**0.0104**		mg/l	0.0050	0.0100		104	80-120		
Iron	**0.407**		mg/l	0.200	0.400		102	80-120		
Copper	**0.0402**		mg/l	0.0200	0.0400		100	80-120		
SW-846 6020A										
Batch 193621404701A - SW-846 3020A										
Blank (P36204ABB)						Prepared: 31-Dec-19 Analyzed: 07-Jan-20				
Aluminum	< 0.0250		mg/l	0.0250				-		
LCS (P36204AQQ)						Prepared: 31-Dec-19 Analyzed: 07-Jan-20				
Aluminum	**0.201**		mg/l	0.0250	0.200		100	88-114		
SW-846 7470A										
Batch 193620571301 - METHOD										
Duplicate (P230854D220941)			**Source: SC57148-02**			Prepared & Analyzed: 31-Dec-19				
Mercury	< 0.00020		mg/l	0.00020		BDL		-	0	20
Matrix Spike Dup (P230854M220945)			**Source: SC57148-02**			Prepared & Analyzed: 31-Dec-19				
Mercury	**0.00091**		mg/l	0.00020	0.0010	BDL	91	80-120	2	20
Matrix Spike (P230854R220943)			**Source: SC57148-02**			Prepared & Analyzed: 31-Dec-19				
Mercury	**0.00093**		mg/l	0.00020	0.0010	BDL	93	80-120		
Blank (P36271ABB)						Prepared & Analyzed: 31-Dec-19				
Mercury	< 0.00020		mg/l	0.00020				-		
LCS (P36271AQQ)						Prepared & Analyzed: 31-Dec-19				
Mercury	**0.00095**		mg/l	0.00020	0.0010		95	80-110		
SW-846 8260C										
Batch L193651AA - SW-846 5030C										

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW-846 8260C										
Batch L193651AA - SW-846 5030C										
LCS (LCSL50Q)					Prepared & Analyzed: 31-Dec-19					
Ethyl ether	**20**		ug/l	5	20		100	59-141		
di-Isopropyl ether	**17**		ug/l	1	20		84	70-124		
Dichlorodifluoromethane	**14**		ug/l	1	20		69	41-127		
Dibromomethane	**20**		ug/l	1	20		100	80-120		
Dibromochloromethane	**20**		ug/l	1	20		98	71-120		
cis-1,3-Dichloropropene	**19**		ug/l	1	20		94	75-120		
cis-1,2-Dichloroethene	**20**		ug/l	1	20		100	80-125		
Chloromethane	**15**		ug/l	1	20		77	56-121		
Chloroform	**20**		ug/l	1	20		98	80-120		
Carbon Tetrachloride	**19**		ug/l	1	20		94	64-134		
Chlorobenzene	**20**		ug/l	1	20		100	80-120		
Ethyl t-butyl ether	**17**		ug/l	1	20		84	68-121		
Carbon Disulfide	**17**		ug/l	5	20		83	65-128		
Bromomethane	**15**		ug/l	1	20		73	53-128		
Chloroethane	**17**		ug/l	1	20		83	55-123		
n-Butylbenzene	**20**		ug/l	5	20		99	76-120		
1,3,5-Trichlorobenzene	**18**		ug/l	5	20		92	66-123		
t-Butyl alcohol	**200**		ug/l	50	200		100	60-130		
Bromoform	**17**		ug/l	4	20		87	51-120		
Styrene	**20**		ug/l	5	20		99	80-120		
sec-Butylbenzene	**21**		ug/l	5	20		103	77-120		
p-Isopropyltoluene	**20**		ug/l	5	20		102	76-120		
t-Amyl methyl ether	**18**		ug/l	5	20		88	66-120		
n-Propylbenzene	**21**		ug/l	5	20		106	79-121		
Ethylbenzene	**20**		ug/l	1	20		100	80-120		
Naphthalene	**19**		ug/l	5	20		97	53-124		
Methylene Chloride	**20**		ug/l	1	20		98	80-120		
Methyl Tertiary Butyl Ether	**17**		ug/l	1	20		85	69-122		
m+p-Xylene	**41**		ug/l	5	40		101	80-120		
Isopropylbenzene	**20**		ug/l	5	20		100	80-120		
Hexachlorobutadiene	**17**		ug/l	5	20		83	63-120		
Freon 113	**17**		ug/l	10	20		85	73-139		
o-Xylene	**20**		ug/l	1	20		99	80-120		
1,1-Dichloropropene	**18**		ug/l	5	20		91	78-120		
1,2-Dichlorobenzene	**20**		ug/l	5	20		102	80-120		
1,2-Dibromoethane	**21**		ug/l	1	20		104	77-120		
1,2-Dibromo-3-chloropropane	**20**		ug/l	5	20		101	47-131		
1,2,4-Trimethylbenzene	**21**		ug/l	5	20		104	75-120		
1,2,4-Trichlorobenzene	**19**		ug/l	5	20		93	63-120		
1,3-Dichlorobenzene	**20**		ug/l	5	20		101	80-120		
1,2,3-Trichlorobenzene	**19**		ug/l	5	20		93	66-120		
Benzene	**19**		ug/l	1	20		94	80-120		
1,1-Dichloroethene	**19**		ug/l	1	20		96	80-131		
1,1-Dichloroethane	**19**		ug/l	1	20		94	80-120		
1,1,2-Trichloroethane	**21**		ug/l	1	20		107	80-120		
1,1,2,2-Tetrachloroethane	**21**		ug/l	1	20		104	72-120		
1,1,1-Trichloroethane	**19**		ug/l	1	20		95	67-126		
1,1,1,2-Tetrachloroethane	**20**		ug/l	1	20		99	78-120		
1,2,3-Trichloropropane	**21**		ug/l	5	20		105	75-124		
2,2-Dichloropropane	**18**		ug/l	1	20		90	55-142		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW-846 8260C										
Batch L193651AA - SW-846 5030C										
LCS (LCSL50Q)					Prepared & Analyzed: 31-Dec-19					
Bromochloromethane	**18**		ug/l	5	20		89	80-120		
Bromobenzene	**20**		ug/l	5	20		99	80-120		
Acrylonitrile	**91**		ug/l	20	100		91	60-129		
4-Methyl-2-pentanone	**85**		ug/l	10	100		85	62-133		
4-Chlorotoluene	**20**		ug/l	5	20		99	80-120		
2-Hexanone	**90**		ug/l	10	100		90	56-135		
1,2-Dichloroethane	**21**		ug/l	1	20		105	73-124		
2-Butanone	**130**		ug/l	10	150		88	59-135		
1,2-Dichloropropane	**19**		ug/l	1	20		95	80-120		
1,4-Dioxane	**570**		ug/l	250	500		114	63-146		
1,4-Dichlorobenzene	**20**		ug/l	5	20		101	80-120		
1,3-Dichloropropane	**20**		ug/l	1	20		101	80-120		
tert-Butylbenzene	**19**		ug/l	5	20		96	78-120		
1,3,5-Trimethylbenzene	**21**		ug/l	5	20		106	75-120		
Bromodichloromethane	**20**		ug/l	1	20		98	71-120		
2-Chlorotoluene	**20**		ug/l	5	20		100	80-120		
Trichloroethene	**19**		ug/l	1	20		95	80-120		
Tetrachloroethene	**19**		ug/l	1	20		97	80-120		
Acetone	**160**		ug/l	20	150		105	54-157		
Trichlorofluoromethane	**19**		ug/l	1	20		95	55-135		
trans-1,4-Dichloro-2-butene	**89**		ug/l	50	100		89	33-143		
trans-1,3-Dichloropropene	**20**		ug/l	1	20		99	67-120		
trans-1,2-Dichloroethene	**19**		ug/l	1	20		94	80-126		
Toluene	**20**		ug/l	1	20		100	80-120		
Tetrahydrofuran	**100**		ug/l	10	100		105	54-144		
Vinyl Chloride	**16**		ug/l	1	20		80	56-120		
Surrogate: 1,2-Dichloroethane-d4	*50*		ug/l		*50*		*101*	*80-120*		
Surrogate: Toluene-d8	*52*		ug/l		*50*		*103*	*80-120*		
Surrogate: 4-Bromofluorobenzene	*52*		ug/l		*50*		*104*	*80-120*		
Surrogate: Dibromofluoromethane	*48*		ug/l		*50*		*96*	*80-120*		
LCS Dup (LCSL50Y)					Prepared & Analyzed: 31-Dec-19					
Ethyl t-butyl ether	**17**		ug/l	1	20		84	68-121	0	30
Ethyl ether	**20**		ug/l	5	20		98	59-141	2	30
Ethylbenzene	**20**		ug/l	1	20		100	80-120	0	30
Freon 113	**17**		ug/l	10	20		84	73-139	1	30
Hexachlorobutadiene	**17**		ug/l	5	20		83	63-120	0	30
Vinyl Chloride	**16**		ug/l	1	20		78	56-120	4	30
Trichloroethene	**19**		ug/l	1	20		95	80-120	0	30
Trichlorofluoromethane	**19**		ug/l	1	20		94	55-135	1	30
di-Isopropyl ether	**17**		ug/l	1	20		83	70-124	0	30
Dichlorodifluoromethane	**13**		ug/l	1	20		66	41-127	3	30
trans-1,4-Dichloro-2-butene	**92**		ug/l	50	100		92	33-143	3	30
cis-1,3-Dichloropropene	**19**		ug/l	1	20		95	75-120	1	30
t-Butyl alcohol	**200**		ug/l	50	200		100	60-130	0	30
cis-1,2-Dichloroethene	**20**		ug/l	1	20		99	80-125	1	30
Chloromethane	**14**		ug/l	1	20		72	56-121	7	30
Chloroform	**20**		ug/l	1	20		100	80-120	2	30
Chloroethane	**16**		ug/l	1	20		82	55-123	1	30
Dibromomethane	**20**		ug/l	1	20		100	80-120	0	30
sec-Butylbenzene	**21**		ug/l	5	20		103	77-120	0	30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW-846 8260C										
Batch L193651AA - SW-846 5030C										
LCS Dup (LCSL50Y)					Prepared & Analyzed: 31-Dec-19					
Isopropylbenzene	**20**		ug/l	5	20		100	80-120	0	30
m+p-Xylene	**40**		ug/l	5	40		100	80-120	1	30
Methyl Tertiary Butyl Ether	**17**		ug/l	1	20		86	69-122	1	30
Methylene Chloride	**20**		ug/l	1	20		99	80-120	0	30
Naphthalene	**19**		ug/l	5	20		96	53-124	1	30
n-Butylbenzene	**20**		ug/l	5	20		100	76-120	0	30
n-Propylbenzene	**21**		ug/l	5	20		105	79-121	1	30
Tetrachloroethene	**20**		ug/l	1	20		100	80-120	4	30
p-Isopropyltoluene	**20**		ug/l	5	20		101	76-120	1	30
trans-1,3-Dichloropropene	**20**		ug/l	1	20		101	67-120	2	30
Styrene	**20**		ug/l	5	20		99	80-120	0	30
t-Amyl methyl ether	**17**		ug/l	5	20		87	66-120	1	30
Dibromochloromethane	**20**		ug/l	1	20		99	71-120	1	30
tert-Butylbenzene	**19**		ug/l	5	20		97	78-120	0	30
Chlorobenzene	**20**		ug/l	1	20		100	80-120	0	30
Tetrahydrofuran	**110**		ug/l	10	100		105	54-144	1	30
Toluene	**20**		ug/l	1	20		100	80-120	0	30
trans-1,2-Dichloroethene	**19**		ug/l	1	20		94	80-126	1	30
o-Xylene	**20**		ug/l	1	20		98	80-120	1	30
Carbon Tetrachloride	**19**		ug/l	1	20		94	64-134	0	30
1,3-Dichloropropane	**20**		ug/l	1	20		102	80-120	1	30
1,3-Dichlorobenzene	**20**		ug/l	5	20		101	80-120	0	30
1,3,5-Trimethylbenzene	**21**		ug/l	5	20		106	75-120	1	30
1,3,5-Trichlorobenzene	**18**		ug/l	5	20		92	66-123	0	30
1,2-Dichloropropane	**19**		ug/l	1	20		95	80-120	0	30
1,2-Dichloroethane	**21**		ug/l	1	20		103	73-124	1	30
1,2-Dichlorobenzene	**20**		ug/l	5	20		101	80-120	1	30
1,2-Dibromoethane	**21**		ug/l	1	20		103	77-120	1	30
1,4-Dichlorobenzene	**20**		ug/l	5	20		100	80-120	1	30
1,2,4-Trimethylbenzene	**21**		ug/l	5	20		103	75-120	1	30
1,2,4-Trichlorobenzene	**18**		ug/l	5	20		89	63-120	5	30
1,2,3-Trichloropropane	**21**		ug/l	5	20		105	75-124	0	30
1,1-Dichloropropene	**18**		ug/l	5	20		90	78-120	1	30
1,1-Dichloroethene	**19**		ug/l	1	20		95	80-131	2	30
1,1-Dichloroethane	**19**		ug/l	1	20		94	80-120	1	30
1,1,2-Trichloroethane	**21**		ug/l	1	20		106	80-120	0	30
1,1,2,2-Tetrachloroethane	**21**		ug/l	1	20		104	72-120	0	30
1,1,1-Trichloroethane	**19**		ug/l	1	20		95	67-126	0	30
1,1,1,2-Tetrachloroethane	**20**		ug/l	1	20		98	78-120	1	30
1,2-Dibromo-3-chloropropane	**20**		ug/l	5	20		100	47-131	0	30
Bromobenzene	**19**		ug/l	5	20		97	80-120	2	30
1,2,3-Trichlorobenzene	**18**		ug/l	5	20		92	66-120	1	30
1,4-Dioxane	**570**		ug/l	250	500		114	63-146	1	30
Carbon Disulfide	**16**		ug/l	5	20		82	65-128	0	30
Bromomethane	**15**		ug/l	1	20		75	53-128	2	30
Bromoform	**18**		ug/l	4	20		89	51-120	2	30
Bromochloromethane	**18**		ug/l	5	20		89	80-120	1	30
Benzene	**19**		ug/l	1	20		94	80-120	0	30
Acrylonitrile	**91**		ug/l	20	100		91	60-129	0	30
Acetone	**160**		ug/l	20	150		104	54-157	2	30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW-846 8260C										
Batch L193651AA - SW-846 5030C										
LCS Dup (LCSL50Y)						Prepared & Analyzed: 31-Dec-19				
2-Butanone	**130**		ug/l	10	150		88	59-135	1	30
4-Chlorotoluene	**20**		ug/l	5	20		100	80-120	1	30
2,2-Dichloropropane	**19**		ug/l	1	20		93	55-142	2	30
Bromodichloromethane	**19**		ug/l	1	20		96	71-120	2	30
2-Hexanone	**91**		ug/l	10	100		91	56-135	0	30
4-Methyl-2-pentanone	**85**		ug/l	10	100		85	62-133	1	30
2-Chlorotoluene	**20**		ug/l	5	20		99	80-120	0	30
Surrogate: 4-Bromofluorobenzene	*52*		ug/l		*50*		*104*	*80-120*		
Surrogate: Dibromofluoromethane	*48*		ug/l		*50*		*97*	*80-120*		
Surrogate: 1,2-Dichloroethane-d4	*50*		ug/l		*50*		*101*	*80-120*		
Surrogate: Toluene-d8	*52*		ug/l		*50*		*103*	*80-120*		
LCS (LCSL51Q)						Prepared & Analyzed: 31-Dec-19				
Ethanol	**530**		ug/l	750	500		106	31-180		
LCS Dup (LCSL51Y)						Prepared & Analyzed: 31-Dec-19				
Ethanol	**510**		ug/l	750	500		103	31-180	3	30
Blank (VBLKL50B)						Prepared & Analyzed: 31-Dec-19				
1,2-Dichlorobenzene	< 5		ug/l	5				-		
1,1,1,2-Tetrachloroethane	< 1		ug/l	1				-		
2-Butanone	< 10		ug/l	10				-		
2,2-Dichloropropane	< 1		ug/l	1				-		
2-Chlorotoluene	< 5		ug/l	5				-		
1,4-Dioxane	< 250		ug/l	250				-		
1,4-Dichlorobenzene	< 5		ug/l	5				-		
1,3-Dichloropropane	< 1		ug/l	1				-		
1,3-Dichlorobenzene	< 5		ug/l	5				-		
1,3,5-Trimethylbenzene	< 5		ug/l	5				-		
1,3,5-Trichlorobenzene	< 5		ug/l	5				-		
1,2-Dichloropropane	< 1		ug/l	1				-		
1,2-Dichloroethane	< 1		ug/l	1				-		
1,2-Dibromoethane	< 1		ug/l	1				-		
1,2-Dibromo-3-chloropropane	< 5		ug/l	5				-		
1,2,4-Trimethylbenzene	< 5		ug/l	5				-		
1,2,4-Trichlorobenzene	< 5		ug/l	5				-		
1,2,3-Trichloropropane	< 5		ug/l	5				-		
1,2,3-Trichlorobenzene	< 5		ug/l	5				-		
1,1-Dichloropropene	< 5		ug/l	5				-		
1,1-Dichloroethene	< 1		ug/l	1				-		
1,1-Dichloroethane	< 1		ug/l	1				-		
1,1,2-Trichloroethane	< 1		ug/l	1				-		
1,1,1-Trichloroethane	< 1		ug/l	1				-		
n-Propylbenzene	< 5		ug/l	5				-		
2-Hexanone	< 10		ug/l	10				-		
1,1,2,2-Tetrachloroethane	< 1		ug/l	1				-		
t-Amyl methyl ether	< 5		ug/l	5				-		
Naphthalene	< 5		ug/l	5				-		
Freon 113	< 10		ug/l	10				-		
Hexachlorobutadiene	< 5		ug/l	5				-		
Isopropylbenzene	< 5		ug/l	5				-		
m+p-Xylene	< 5		ug/l	5				-		
Methyl Tertiary Butyl Ether	< 1		ug/l	1				-		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW-846 8260C										
Batch L193651AA - SW-846 5030C										
Blank (VBLKL50B)						Prepared & Analyzed: 31-Dec-19				
Methylene Chloride	< 1		ug/l	1				-		
n-Butylbenzene	< 5		ug/l	5				-		
o-Xylene	< 1		ug/l	1				-		
p-Isopropyltoluene	< 5		ug/l	5				-		
Ethyl t-butyl ether	< 1		ug/l	1				-		
Styrene	< 5		ug/l	5				-		
Ethyl ether	< 5		ug/l	5				-		
t-Butyl alcohol	< 50		ug/l	50				-		
tert-Butylbenzene	< 5		ug/l	5				-		
Tetrachloroethene	< 1		ug/l	1				-		
Tetrahydrofuran	< 10		ug/l	10				-		
Toluene	< 1		ug/l	1				-		
trans-1,2-Dichloroethene	< 1		ug/l	1				-		
trans-1,3-Dichloropropene	< 1		ug/l	1				-		
trans-1,4-Dichloro-2-butene	< 50		ug/l	50				-		
Trichloroethene	< 1		ug/l	1				-		
Trichlorofluoromethane	< 1		ug/l	1				-		
Vinyl Chloride	< 1		ug/l	1				-		
sec-Butylbenzene	< 5		ug/l	5				-		
Carbon Tetrachloride	< 1		ug/l	1				-		
4-Chlorotoluene	< 5		ug/l	5				-		
4-Methyl-2-pentanone	< 10		ug/l	10				-		
Acetone	< 20		ug/l	20				-		
Acrylonitrile	< 20		ug/l	20				-		
Benzene	< 1		ug/l	1				-		
Bromobenzene	< 5		ug/l	5				-		
Bromochloromethane	< 5		ug/l	5				-		
Bromodichloromethane	< 1		ug/l	1				-		
Bromoform	< 4		ug/l	4				-		
Bromomethane	< 1		ug/l	1				-		
Ethylbenzene	< 1		ug/l	1				-		
Carbon Disulfide	< 5		ug/l	5				-		
Chlorobenzene	< 1		ug/l	1				-		
Chloroethane	< 1		ug/l	1				-		
Chloroform	< 1		ug/l	1				-		
Chloromethane	< 1		ug/l	1				-		
cis-1,2-Dichloroethene	< 1		ug/l	1				-		
cis-1,3-Dichloropropene	< 1		ug/l	1				-		
Dibromochloromethane	< 1		ug/l	1				-		
Dibromomethane	< 1		ug/l	1				-		
Dichlorodifluoromethane	< 1		ug/l	1				-		
di-Isopropyl ether	< 1		ug/l	1				-		
Ethanol	< 750		ug/l	750				-		
Surrogate: 4-Bromofluorobenzene	*50*		ug/l		*50*		*100*	*80-120*		
Surrogate: Toluene-d8	*51*		ug/l		*50*		*102*	*80-120*		
Surrogate: Dibromofluoromethane	*49*		ug/l		*50*		*98*	*80-120*		
Surrogate: 1,2-Dichloroethane-d4	*51*		ug/l		*50*		*101*	*80-120*		

Notes and Definitions

J.	Estimated value
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference
OG	The required Matrix Spike and Matrix Spike Duplicate (MS/MSD) for Oil & Grease method 1664B can only be analyzed when the client has submitted sufficient sample volume. An extra liter per MS/MSD is required to fulfill the method QC criteria. Please refer to Chain of Custody and QC Summary (MS/MSD) of the Laboratory Report to verify ample sample volume was submitted to fulfill the requirement.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

FedEx #8088 8989 3719 SC57148 PN

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Special Handling:

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CHAIN OF CUSTODY RECORD

☒ 11 Almgren Drive, Agawam, MA 01001, (413) 789-9018
☐ 646 Camp Avenue, N. Kingstown, RI 02852, (401) 732-3400

☐ TAT - Date Needed: Stand

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: AECOM
40 British American Blvd.
Latham NY 12110

Telephone #: 518-951-2200
Project Mgr: Stephen Choiniere

Invoice To: Same

P.O No.: Quote #:

Project No: 60276639-1
Site Name: Now Corp. / 3-14-008
Location: Staatsburg State: NY
Sampler(s): SRG

F=Field Filtered 1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11= none 12=

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1= X2= X3=

G= Grab C=Compsite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	List Preservative Code below: 2	4	11	3	5	Analysis: 8260	Metals*	TSS/TDS	O+G	Cyanide	Check if chlorinated
SC57148-01	EFF55 122019	12/20/19	1340	G	GW	3	1		4											☐
-02	INF 122019		1320				1		4											☐
-03	TW-1 122019		1318																	☐
-04	TW-2A 122019		1330																	☐
-05	TW-3 122019		1335																	☐
-06	TB 122019	—	—	—	—	2														☐

QA/QC Reporting Notes:

QA/QC Reporting Level
☐ Level I ☐ Level II ☐ Level III ☐ Level IV
☐ Other:
State-specific reporting standards:

*Al, Ba, As, Cr, Cu, Fe, Mn, Hg, Zn, Ni

Relinquished by:	Received by:	Date:	Time:
Fedex	Fedex	12/20/19	1615
		12/23/19	13:45

Temp °C: Observed .8 | Correction Factor 0 | Corrected .8 | IR ID # 1

☐ EDD format:
☐ E-mail to:

Condition upon receipt: Custody Seals: ☑ Present ☑ Intact ☐ Broken
☐ Ambient ☑ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

FedEx #8088 8989 3719 SC57148 PN

Page 1 of 1

Special Handling: Stand by

CHAIN OF CUSTODY RECORD

eurofins | Spectrum Analytical

☒ 11 Almgren Drive, Agawam, MA 01001, (413) 789-9018
☐ 646 Camp Avenue, N. Kingstown, RI 02852, (401) 732-3400

☐ TAT - Date Needed: Stand

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: AECOM
40 British American Blvd.
Latham NY 12110

Telephone #: 518-951-2200
Project Mgr: Stephen Choiniere

Invoice To: Same

P.O No.: Quote #:

Project No: 60276639-1
Site Name: Now Corp. / 3-14-008
Location: Staatsburg State: NY
Sampler(s): SRG

F=Field Filtered 1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11= none 12=

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1= X2= X3=

G= Grab C=Compsite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	8260	Metals*	TSS/TDS	O+G	Cyanide	Check if chlorinated
SC57148-01	EFF55 122019	12/20/19	1340	G	GW	3	1		4	X	X	X	X	X	☐
-02	INF 122019		1320				1		4	X	X	X	X	X	☐
-03	TW-1 122019		1318							X					☐
-04	TW-2A 122019		1330							X			On 12/30		☐
-05	TW-3 122019		1335							X					☐
-06	TB 122019	—	—	—	—	2				X					☐
															☐
															☐
															☐
															☐
															☐

List Preservative Code below: 2 4 11 3 5

QA/QC Reporting Notes:

QA/QC Reporting Level
☐ Level I ☐ Level II ☐ Level III ☑ Level IV
☐ Other:
State-specific reporting standards:

*Al, Ba, As, Cr, Cu, Fe, Mn, Hg, Zn, Ni

Analyses checked off. client notified. On 12/30

Relinquished by:	Received by:	Date:	Time:
Fedex	Fedex	12/20/19	1615
		12/23/19	13:45

Temp °C: Observed -.8 Correction Factor 0 Corrected -.8 IR ID # 1

☐ EDD format:
☐ E-mail to:

Condition upon receipt: Custody Seals: ☑ Present ☑ Intact ☐ Broken
☐ Ambient ☑ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

00053

00200

23691

fedex.com 1.800.GoFedEx 1.800.463.3339

05667048

FedEx Express Package US Airbill

FedEx Tracking Number 8088 8989 3719

MUR3

Form ID No. 0215

Recipient's Copy

1 From

Date 12-20-19

Sender's Name Steve Gray Phone 518 951-2200

Company AECOM TECHNICAL SERVICES

Address 40 BRITISH AMERICAN BLVD

Dept./Floor/Suite/Room

City LATHAM State NY ZIP 12110-1421

2 Your Internal Billing Reference 60276639-1

3 To

Recipient's Name Attn: Sample Receipt Phone 413 789-9018

Company Eurofins Spectrum Analytical

Address 11 Almgren Dr.

We cannot deliver to P.O. boxes or P.O. ZIP codes. Dept./Floor/Suite/Room

Address

Use this line for the HOLD location address or for continuation of your shipping address.

City Agawam State MA ZIP 01001

HOLD Weekday
FedEx location address REQUIRED. **NOT available for** FedEx First Overnight.

HOLD Saturday
FedEx location address REQUIRED. **Available ONLY for** FedEx Priority Overnight and FedEx 2Day to select locations.

0120406210

8088 8989 3719

4 Express Package Service * To most locations.

NOTE: Service order has changed. Please select carefully.

Packages up to 150 lbs.
For packages over 150 lbs., use the FedEx Express Freight US Airbill.

Next Business Day

- ☐ FedEx First Overnight — Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- ☒ FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- ☐ FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.

2 or 3 Business Days

- ☐ FedEx 2Day A.M. — Second business morning.* Saturday Delivery NOT available.
- ☐ FedEx 2Day — Second business afternoon.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- ☐ FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

5 Packaging * Declared value limit $500.

☐ FedEx Envelope* ☐ FedEx Pak* ☐ FedEx Box ☐ FedEx Tube ☒ Other

6 Special Handling and Delivery Signature Options

☐ SATURDAY Delivery
NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.

☐ No Signature Required — Package may be left without obtaining a signature for delivery.

☐ Direct Signature — Someone at recipient's address may sign for delivery. *Fee applies.*

☐ Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. *Fee applies.*

Does this shipment contain dangerous goods?

One box must be checked.

☒ No ☐ Yes — As per attached Shipper's Declaration. ☐ Yes — Shipper's Declaration not required. ☐ Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box. ☐ Cargo Aircraft Only

7 Payment *Bill to:* Enter FedEx Acct. No. or Credit Card No. below. Obtain recip. Acct. No. ☐

☒ Sender Acct. No. in Section 1 will be billed. ☐ Recipient ☐ Third Party ☐ Credit Card ☐ Cash/Check

Total Packages ____ Total Weight ____ lbs. Credit Card Auth. ____

†Our liability is limited to US$100 unless you declare a higher value. See the current FedEx Service Guide for details.

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Batch Summary

193620571301

Subcontracted Analyses

P230854D220941
P230854M220945
P230854R220943
P36271ABB
P36271AQQ
SC57148-01 (EFF55 122019)
SC57148-02 (INF 122019)

193621404401

Subcontracted Analyses

P36204AB
P36204ABB
P36204AQ
P36204AQQ
SC57148-01 (EFF55 122019)
SC57148-01RE01 (EFF55 122019)
SC57148-02 (INF 122019)
SC57148-02RE01 (INF 122019)

193621404701A

Subcontracted Analyses

P36204ABB
P36204AQQ
SC57148-01 (EFF55 122019)
SC57148-02 (INF 122019)

19365807902A

Subcontracted Analyses

B365102B
L365102Q
L365102Y
SC57148-01 (EFF55 122019)
SC57148-02 (INF 122019)

511706A

Subcontracted Analyses

CE91531-BLK
CE91531-LCS
SC57148-01 (EFF55 122019)
SC57148-02 (INF 122019)

511716A

Subcontracted Analyses

CE92038-BLK
CE92038-LCS
SC57148-01 (EFF55 122019)
SC57148-02 (INF 122019)

511896A

Subcontracted Analyses

CE93000-BLK
CE93000-DUP
CE93000-LCS
CE93000-MS
SC57148-01 (EFF55 122019)
SC57148-02 (INF 122019)

L193651AA

Subcontracted Analyses

LCSL50Q
LCSL50Y
LCSL51Q
LCSL51Y
SC57148-01 (EFF55 122019)
SC57148-02 (INF 122019)
SC57148-03 (TW-1 122019)
SC57148-04 (TW-2A 122019)
SC57148-05 (TW-3 122019)
SC57148-06 (TB 122019)
VBLKL50B