AECOM

Operation, Maintenance and Monitoring Report
January 2020

NOW Corporation
NYSDEC Site No. 3-14-008

Work Assignment No.
D007626-25

Prepared for:

SUPERFUND STANDBY PROGRAM
New York State
Department of Environmental Conservation
625 Broadway
Albany, New York 12233

Prepared by:

AECOM Technical Services Northeast, Inc.
40 British American Boulevard
Latham, New York 12110

March 2020

March 9, 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: January 2020

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 33-day period (**December 20, 2019 – January 22, 2020**).

With the exceptions noted below, if any, the pump and treat system was online and operational throughout the reporting period. Approximately 298,000 gallons of water were treated. Discharge from the treatment system averaged approximately 9,000 gallons per day (gpd).

As of the last day of the reporting period, a total of 118,188,983 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 January 22, 2020. **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) were 1,648 µg/L; last month's value was 670 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:

January 22 – Performed monthly system inspection and influent and effluent sampling. Checked propane level, noted to get more. Checked emergency lighting, noted battery and wires were corroded on the inside; therefore, a new light is needed.

January 30 – Reinstalled the transducer back in TW-3 and installed new emergency lighting and exit sign.

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: January 22, 2020
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		9,038				Monitor	gallons
pH	6.9	7.2				6.5 to 8.5	standard units
Oil and Grease	<5	**1.4 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	**2.5**	<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	**81.7**	**80.3**	NA	NA	NA	Monitor	µg/L
Chromium	**5.5 J**	**1.7 J**	NA	NA	NA	400	µg/L
Copper	<20	<20	NA	NA	NA	24	µg/L
Iron	**326**	<200	NA	NA	NA	600	µg/L
Mercury	**0.06 J**	**0.051 J**	NA	NA	NA	0.8	µg/L
Manganese	**773.0**	**42.7**	NA	NA	NA	Monitor	µg/L
Nickel	**7.5 J**	<10	NA	NA	NA	200	µg/L
Zinc	**6.9 J**	<20	NA	NA	NA	150	µg/L
1,1,1-Trichloroethane	**240 D**	<1	**1**	**820**	**2**	10	µg/L
1,1,2-Trichloroethane	<1	<1	<1	**0.4 J**	<1	1.2	µg/L
1,1-Dichloroethane	**130**	<1	**26**	**320**	**5**	10	µg/L
1,1-Dichloroethene	**11**	<1	**9**	**18**	**0.7 J**	0.5	µg/L
1,2-Dichloroethane	<1	<1	<1	<2	<1	1.6	µg/L
2-Butanone	<10	<10	<10	<20	<10	NL	µg/L
Benzene	<1	<1	<1	<2	<1	1.4	µg/L
Chlorobenzene	<1	<1	<1	<2	<1	10	µg/L
Chloroethane	<1	<1	<1	<2	<1	10	µg/L
cis-1,2-Dichloroethene	**7**	<1	**3**	**10**	<1	5	µg/L
Ethylbenzene	<1	<1	<1	<2	<1	10	µg/L
o-Xylene	<1	<1	<1	<2	<1	5	µg/L
m,p-Xylene	<5	<5	<5	<10	<5	10	µg/L
Tetrachloroethene	<1	<1	<1	<2	<1	1.4	µg/L
Tetrahydrofuran	<10	<10	<10	<20	<10	NL	µg/L
Toluene	<1	<1	<1	<2	<1	10	µg/L
Trichloroethene	**250**	<1	**41**	**480**	**16**	6	µg/L
Vinyl Chloride	**0.3 J**	<1	<1	<2	<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 January 2020 O&M Data

NOW Corporation Site
Town of Clinton, New York

Instrumentation/Readings:		1/22/20	Units
TW-1			
	Pumping Rate	7	GPM
	Water Level Above Transducer	17.04	feet
	Flow Meter Reading	9,352,000	gallons
	Pump Pressure	0	psi
TW-2A			
	Pumping Rate	15	GPM
	Water Level Above Transducer	26.60	feet
	Flow Meter Reading	20,940,700	gallons
	Pump Pressure	0	psi
TW-3			
	Pumping Rate	7	GPM
	Water Level Above Transducer	0.00	feet
	Flow Meter Reading	16,982,400	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	52	°F
Effluent Flow			
	Effluent Flow this period	298,255	gallons
	Total Effluent Flow	118,188,983	gallons

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☑ Final Report
☐ Revised Report

Report Date:
05-Feb-20 09:36

Laboratory Report
SC57311

AECOM Environment
40 British American Boulevard
Latham, NY 12110
Attn: Lindsay Mitchell

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 Environment Testing New Englandl 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 39 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 Environment Testing New England.

Eurofins Environment Testing New England is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Eurofins Environment Testing New England is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.eurofinsus.com/Spectrum for a full listing of our current certifications and fields of accreditation.

Please contact the Laboratory or Technical Director at 413-789-9018 with any questions regarding the data contained in this laboratory report.

Sample Summary

Work Order: SC57311

Project: Now Corp - Staatsburg, NY

Project Number: 60276639-1

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SC57311-01	EFF55 012220	Ground Water	22-Jan-20 13:15	23-Jan-20 10:10
SC57311-02	INF 012220	Ground Water	22-Jan-20 12:40	23-Jan-20 10:10
SC57311-03	TW-1 012220	Ground Water	22-Jan-20 12:35	23-Jan-20 10:10
SC57311-04	TW-2A 012220	Ground Water	22-Jan-20 12:45	23-Jan-20 10:10
SC57311-05	TW-3 012220	Ground Water	22-Jan-20 12:50	23-Jan-20 10:10
SC57311-06	TB 012220	Ground Water	22-Jan-20 12:50	23-Jan-20 10:10

CASE NARRATIVE:

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

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

The samples were received 0.3 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.

Sample	Collection Date/Time	ELLE#
SC57311-01	01/22/2020 13:15	1245787
SC57311-02	01/22/2020 12:40	1245788
SC57311-03	01/22/2020 12:35	1245789
SC57311-04	01/22/2020 12:45	1245790
SC57311-05	01/22/2020 12:50	1245791
SC57311-06	01/22/2020 12:50	1245792

SW-846 8260C, GC/MS Volatiles

Sample #s: 1245790

A Report Limit Verification (RLV) standard is analyzed to confirm sensitivity of the instrument for samples with non-detect analytes associated with a continuing calibration verification standard exhibiting low response (outside the 20%D criteria). The RLV standard shows adequate sensitivity at or below the reporting limit.

Sample #s: 1245787, 1245789, 1245791, 1245792

A Report Limit Verification (RLV) standard is analyzed to confirm sensitivity of the instrument for samples with non-detect analytes associated with a continuing calibration verification standard exhibiting low response (outside the 20%D criteria). The RLV standard shows adequate sensitivity at or below the reporting limit.

The affected analyte(s) and response(s) are:

Analyte	Response (%Drift)
dichlorodifluoromethane	-23
trichlorofluoromethane	-24

Sample #s: 1245788

A Report Limit Verification (RLV) standard is analyzed to confirm sensitivity of the instrument for samples with non-detect analytes associated with a continuing calibration verification standard exhibiting low response (outside the 20%D criteria). The RLV standard shows adequate sensitivity at or below the reporting limit.

The affected analyte(s) and response(s) in trial 1 are:

Analyte	Response (%Drift)
dichlorodifluoromethane	-23
trichlorofluoromethane	-24

The analysis was repeated and the continuing calibration verification standard bracketing the sample on the second trial is within specification.

Total Cyanide:

Chlorine was present; Sample was de-chlorinated prior to digestion/analysis. (EPA requires dechlorination at time of sampling.) A sample bias can not be ruled out.

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

EPA 1664B

Samples:

SC57311-01 *EFF55 012220*

Estimated value

HEM (oil & grease)

SW-846 6010C

Samples:

SC57311-01 *EFF55 012220*

Estimated value

Chromium

SC57311-02 *INF 012220*

Estimated value

Chromium
Nickel
Zinc

SW-846 7470A

Samples:

SC57311-01 *EFF55 012220*

Estimated value

Mercury

SC57311-02 *INF 012220*

Estimated value

Mercury

SW-846 8260C

Samples:

SC57311-01 *EFF55 012220*

Estimated value

Acetone

SC57311-02 *INF 012220*

Estimated value

Vinyl Chloride

Exceeded calibration range of the instrument

1,1,1-Trichloroethane

SC57311-02RE01 *INF 012220*

SW-846 8260C

Samples:

SC57311-02RE01 *INF 012220*

Estimated value

1,1-Dichloroethene
cis-1,2-Dichloroethene

SC57311-04 *TW-2A 012220*

Estimated value

1,1,2-Trichloroethane

Exceeded calibration range of the instrument

1,1,1-Trichloroethane

SC57311-04RE01 *TW-2A 012220*

Estimated value

1,1-Dichloroethene
cis-1,2-Dichloroethene

SC57311-05 *TW-3 012220*

Estimated value

1,1-Dichloroethene

SC57311-06 *TB 012220*

Estimated value

Acetone

Sample Acceptance Check Form

Client:	AECOM Environment - Latham, NY
Project:	Now Corp - Staatsburg, NY / 60276639-1
Work Order:	SC57311
Sample(s) received on:	1/23/2020

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: SC57311-01 **Client ID:** EFF55 012220

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
HEM (oil & grease)	1.4	J.	5.0	mg/l	EPA 1664B
Total Suspended Solids	< 2.5		2.5	mg/l	SM 2540D-11
Tot. Diss. Solids	260		10	mg/l	SM2540C-11
Barium	0.0803		0.0050	mg/l	SW-846 6010C
Chromium	0.0017	J.	0.0150	mg/l	SW-846 6010C
Manganese	0.0427		0.0100	mg/l	SW-846 6010C
Mercury	0.000051	J.	0.00020	mg/l	SW-846 7470A
Acetone	0.8	J.	20	ug/l	SW-846 8260C
Total Cyanide	< 0.010		0.010	mg/l	SW9010C/SW9012B

Lab ID: SC57311-02 **Client ID:** INF 012220

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Total Suspended Solids	2.5		2.5	mg/l	SM 2540D-11
Tot. Diss. Solids	260		10	mg/l	SM2540C-11
Barium	0.0817		0.0050	mg/l	SW-846 6010C
Chromium	0.0055	J.	0.0150	mg/l	SW-846 6010C
Iron	0.326		0.200	mg/l	SW-846 6010C
Manganese	0.773		0.0100	mg/l	SW-846 6010C
Nickel	0.0075	J.	0.0100	mg/l	SW-846 6010C
Zinc	0.0069	J.	0.0200	mg/l	SW-846 6010C
Mercury	0.000060	J.	0.00020	mg/l	SW-846 7470A
1,1,1-Trichloroethane	330	E.	1	ug/l	SW-846 8260C
1,1-Dichloroethane	130		1	ug/l	SW-846 8260C
1,1-Dichloroethene	11		1	ug/l	SW-846 8260C
cis-1,2-Dichloroethene	7		1	ug/l	SW-846 8260C
Trichloroethene	250		1	ug/l	SW-846 8260C
Vinyl Chloride	0.3	J.	1	ug/l	SW-846 8260C
Total Cyanide	< 0.010		0.010	mg/l	SW9010C/SW9012B

Lab ID: SC57311-02RE01 **Client ID:** INF 012220

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
1,1,1-Trichloroethane	240		10	ug/l	SW-846 8260C
1,1-Dichloroethane	90		10	ug/l	SW-846 8260C
1,1-Dichloroethene	7	J.	10	ug/l	SW-846 8260C
cis-1,2-Dichloroethene	7	J.	10	ug/l	SW-846 8260C
Trichloroethene	190		10	ug/l	SW-846 8260C

Lab ID: SC57311-03 **Client ID:** TW-1 012220

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
1,1,1-Trichloroethane	1		1	ug/l	SW-846 8260C
1,1-Dichloroethane	26		1	ug/l	SW-846 8260C
1,1-Dichloroethene	9		1	ug/l	SW-846 8260C
cis-1,2-Dichloroethene	3		1	ug/l	SW-846 8260C
Trichloroethene	41		1	ug/l	SW-846 8260C

Lab ID: SC57311-04 **Client ID:** TW-2A 012220

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
1,1,1-Trichloroethane	840	E.	2	ug/l	SW-846 8260C
1,1,2-Trichloroethane	0.4	J.	2	ug/l	SW-846 8260C
1,1-Dichloroethane	320		2	ug/l	SW-846 8260C
1,1-Dichloroethene	18		2	ug/l	SW-846 8260C
cis-1,2-Dichloroethene	10		2	ug/l	SW-846 8260C
Trichloroethene	480		2	ug/l	SW-846 8260C

Lab ID: SC57311-04RE01 **Client ID:** TW-2A 012220

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
1,1,1-Trichloroethane	820		20	ug/l	SW-846 8260C
1,1-Dichloroethane	310		20	ug/l	SW-846 8260C
1,1-Dichloroethene	17	J.	20	ug/l	SW-846 8260C
cis-1,2-Dichloroethene	8	J.	20	ug/l	SW-846 8260C
Trichloroethene	450		20	ug/l	SW-846 8260C

Lab ID: SC57311-05 **Client ID:** TW-3 012220

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
1,1,1-Trichloroethane	2		1	ug/l	SW-846 8260C
1,1-Dichloroethane	5		1	ug/l	SW-846 8260C
1,1-Dichloroethene	0.7	J.	1	ug/l	SW-846 8260C
Trichloroethene	16		1	ug/l	SW-846 8260C

Lab ID: SC57311-06 **Client ID:** TB 012220

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Acetone	3	J.	20	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 012220	60276639-1	Ground Water	22-Jan-20 13:15	23-Jan-20
SC57311-01				

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	23-Jan-20 18:17	23-Jan-20 18:17	11301	515630A	
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-Jan-20 10:03	24-Jan-20 10:03	11301	515735A	
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-Jan-20	28-Jan-20 14:34	11301	515935A	
Subcontracted Analyses													
Prepared by method General Preparation													
Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670													
	HEM (oil & grease)	**1.4**	J.	mg/l	5.0	1.4	1	EPA 1664B	29-Jan-20 16:56	29-Jan-20 16:56	10670	02980790	
Subcontracted Analyses													
Prepared by method SW-846 3005A													
Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670													
7440-38-2	Arsenic	< 0.0300		mg/l	0.0300	0.0160	1	SW-846 6010C	27-Jan-20 04:18	27-Jan-20 13:34	10670	02714044	
7440-39-3	Barium	**0.0803**		mg/l	0.0050	0.0010	1	"	"	"	"	"	
7440-47-3	Chromium	**0.0017**	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	< 0.200		mg/l	0.200	0.0400	1	"	"	"	"	"	
7439-96-5	Manganese	**0.0427**		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	"	"	"	"	"	
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	27-Jan-20 02:55	27-Jan-20 18:51	10670	02714047	
Prepared by method METHOD													
Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670													
7439-97-6	Mercury	**0.000051**	J.	mg/l	0.00020	0.000050	1	SW-846 7470A	27-Jan-20 15:05	28-Jan-20 07:10	10670	02705713	
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	29-Jan-20 14:15	29-Jan-20 14:16	10670	'200291A	
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	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
EFF55 012220	60276639-1	Ground Water	22-Jan-20 13:15	23-Jan-20
SC57311-01				

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													
95-63-6	1,2,4-Trimethylbenzene	< 5		ug/l	5	1	1	SW-846 8260C	29-Jan-20 14:15	29-Jan-20 14:16	10670	'200291A	
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	"	"	"	"	"	
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	"	"	"	"	"	
100-41-4	Ethylbenzene	< 1		ug/l	1	0.4	1	"	"	"	"	"	
76-13-1	Freon 113	< 10		ug/l	10	0.2	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
EFF55 012220	60276639-1	Ground Water	22-Jan-20 13:15	23-Jan-20
SC57311-01				

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													
87-68-3	Hexachlorobutadiene	< 5		ug/l	5	2	1	SW-846 8260C	29-Jan-20 14:15	29-Jan-20 14:16	10670	'200291A	
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-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*	*90*			*80-120 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*97*			*80-120 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*94*			*80-120 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
INF 012220	60276639-1	Ground Water	22-Jan-20 12:40	23-Jan-20
SC57311-02				

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	**2.5**		mg/l	2.5	2.5	0.5	SM 2540D-11	23-Jan-20 18:17	23-Jan-20 18:17	11301	515630A	
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-Jan-20 10:04	24-Jan-20 10:04	11301	515735A	
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-Jan-20	28-Jan-20 14:34	11301	515935A	
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	29-Jan-20 16:56	29-Jan-20 16:56	10670	02980790	
Subcontracted Analyses													
Prepared by method SW-846 3005A													
Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670													
7440-38-2	Arsenic	< 0.0300		mg/l	0.0300	0.0160	1	SW-846 6010C	27-Jan-20 04:18	27-Jan-20 13:38	10670	02714044	
7440-39-3	Barium	**0.0817**		mg/l	0.0050	0.0010	1	"	"	"	"	"	
7440-47-3	Chromium	**0.0055**	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	**0.326**		mg/l	0.200	0.0400	1	"	"	"	"	"	
7439-96-5	Manganese	**0.773**		mg/l	0.0100	0.0030	1	"	"	"	"	"	
7440-02-0	Nickel	**0.0075**	J.	mg/l	0.0100	0.0021	1	"	"	"	"	"	
7440-66-6	Zinc	**0.0069**	J.	mg/l	0.0200	0.0037	1	"	"	"	"	"	
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	27-Jan-20 02:55	27-Jan-20 18:57	10670	02714047	
Prepared by method METHOD													
Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670													
7439-97-6	Mercury	**0.000060**	J.	mg/l	0.00020	0.000050	1	SW-846 7470A	27-Jan-20 15:05	28-Jan-20 07:12	10670	02705713	
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	29-Jan-20 14:38	29-Jan-20 14:39	10670	'200291A	
71-55-6	1,1,1-Trichloroethane	**330**	E.	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	**130**		ug/l	1	0.2	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	**11**		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	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
INF 012220 SC57311-02	60276639-1	Ground Water	22-Jan-20 12:40	23-Jan-20

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													
95-63-6	1,2,4-Trimethylbenzene	< 5		ug/l	5	1	1	SW-846 8260C	29-Jan-20 14:38	29-Jan-20 14:39	10670	'200291A	
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	7		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	"	"	"	"	"	
100-41-4	Ethylbenzene	< 1		ug/l	1	0.4	1	"	"	"	"	"	
76-13-1	Freon 113	< 10		ug/l	10	0.2	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
INF 012220	60276639-1	Ground Water	22-Jan-20 12:40	23-Jan-20
SC57311-02				

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													
87-68-3	Hexachlorobutadiene	< 5		ug/l	5	2	1	SW-846 8260C	29-Jan-20 14:38	29-Jan-20 14:39	10670	'200291A	
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-buten e	< 50		ug/l	50	6	1	"	"	"	"	"	
79-01-6	Trichloroethene	**250**		ug/l	1	0.2	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
75-01-4	Vinyl Chloride	**0.3**	J.	ug/l	1	0.2	1	"	"	"	"	"	
Surrogate recoveries:													
17060-07-0	*1,2-Dichloroethane-d4*	*101*			*80-120 %*			"	"	"	"	"	
460-00-4	*4-Bromofluorobenzene*	*91*			*80-120 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*100*			*80-120 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*95*			*80-120 %*			"	"	"	"	"	
Re-analysis of Subcontracted Analyses Prepared by method SW-846 5030C													
630-20-6	1,1,1,2-Tetrachloroethane	< 10		ug/l	10	2	10	SW-846 8260C	03-Feb-20 19:35	03-Feb-20 19:36	10670	.200341A	
71-55-6	1,1,1-Trichloroethane	**240**		ug/l	10	3	10	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	< 10		ug/l	10	2	10	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	< 10		ug/l	10	2	10	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	**90**		ug/l	10	2	10	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	**7**	J.	ug/l	10	2	10	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	< 50		ug/l	50	2	10	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	< 50		ug/l	50	4	10	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	< 50		ug/l	50	2	10	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	< 50		ug/l	50	3	10	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	< 50		ug/l	50	10	10	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
INF 012220	60276639-1	Ground Water	22-Jan-20 12:40	23-Jan-20
SC57311-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Subcontracted Analyses													
Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670													
Re-analysis of Subcontracted Analyses													
96-12-8	1,2-Dibromo-3-chloropropane	< 50		ug/l	50	3	10	SW-846 8260C	03-Feb-20 19:35	03-Feb-20 19:36	10670	200341A	
106-93-4	1,2-Dibromoethane	< 10		ug/l	10	2	10	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	< 50		ug/l	50	2	10	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	< 10		ug/l	10	3	10	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	< 10		ug/l	10	2	10	"	"	"	"	"	
108-70-3	1,3,5-Trichlorobenzene	< 50		ug/l	50	2	10	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	< 50		ug/l	50	3	10	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	< 50		ug/l	50	2	10	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	< 10		ug/l	10	2	10	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	< 50		ug/l	50	2	10	"	"	"	"	"	
123-91-1	1,4-Dioxane	< 2500		ug/l	2500	290	10	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	< 10		ug/l	10	3	10	"	"	"	"	"	
78-93-3	2-Butanone	< 100		ug/l	100	3	10	"	"	"	"	"	
95-49-8	2-Chlorotoluene	< 50		ug/l	50	2	10	"	"	"	"	"	
591-78-6	2-Hexanone	< 100		ug/l	100	3	10	"	"	"	"	"	
106-43-4	4-Chlorotoluene	< 50		ug/l	50	2	10	"	"	"	"	"	
108-10-1	4-Methyl-2-pentanone	< 100		ug/l	100	5	10	"	"	"	"	"	
67-64-1	Acetone	< 200		ug/l	200	7	10	"	"	"	"	"	
107-13-1	Acrylonitrile	< 200		ug/l	200	3	10	"	"	"	"	"	
71-43-2	Benzene	< 10		ug/l	10	2	10	"	"	"	"	"	
108-86-1	Bromobenzene	< 50		ug/l	50	2	10	"	"	"	"	"	
74-97-5	Bromochloromethane	< 50		ug/l	50	2	10	"	"	"	"	"	
75-27-4	Bromodichloromethane	< 10		ug/l	10	2	10	"	"	"	"	"	
75-25-2	Bromoform	< 40		ug/l	40	10	10	"	"	"	"	"	
74-83-9	Bromomethane	< 10		ug/l	10	3	10	"	"	"	"	"	
75-15-0	Carbon Disulfide	< 50		ug/l	50	2	10	"	"	"	"	"	
56-23-5	Carbon Tetrachloride	< 10		ug/l	10	2	10	"	"	"	"	"	
108-90-7	Chlorobenzene	< 10		ug/l	10	2	10	"	"	"	"	"	
75-00-3	Chloroethane	< 10		ug/l	10	2	10	"	"	"	"	"	
67-66-3	Chloroform	< 10		ug/l	10	2	10	"	"	"	"	"	
74-87-3	Chloromethane	< 10		ug/l	10	2	10	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	7	J.	ug/l	10	2	10	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	< 10		ug/l	10	2	10	"	"	"	"	"	
108-20-3	di-Isopropyl ether	< 10		ug/l	10	2	10	"	"	"	"	"	
124-48-1	Dibromochloromethane	< 10		ug/l	10	2	10	"	"	"	"	"	
74-95-3	Dibromomethane	< 10		ug/l	10	2	10	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane	< 10		ug/l	10	2	10	"	"	"	"	"	
64-17-5	Ethanol	< 7500		ug/l	7500	2800	10	"	"	"	"	"	
60-29-7	Ethyl ether	< 50		ug/l	50	2	10	"	"	"	"	"	
637-92-3	Ethyl t-butyl ether	< 10		ug/l	10	2	10	"	"	"	"	"	
100-41-4	Ethylbenzene	< 10		ug/l	10	4	10	"	"	"	"	"	
76-13-1	Freon 113	< 100		ug/l	100	2	10	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	< 50		ug/l	50	20	10	"	"	"	"	"	
98-82-8	Isopropylbenzene	< 50		ug/l	50	2	10	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
INF 012220	60276639-1	Ground Water	22-Jan-20 12:40	23-Jan-20
SC57311-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Subcontracted Analyses													
Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670													
Re-analysis of Subcontracted Analyses													
179601-23-1	m+p-Xylene	< 50		ug/l	50	10	10	SW-846 8260C	03-Feb-20 19:35	03-Feb-20 19:36	10670	200341A	
1634-04-4	Methyl Tertiary Butyl Ether	< 10		ug/l	10	2	10	"	"	"	"	"	
75-09-2	Methylene Chloride	< 10		ug/l	10	3	10	"	"	"	"	"	
104-51-8	n-Butylbenzene	< 50		ug/l	50	2	10	"	"	"	"	"	
103-65-1	n-Propylbenzene	< 50		ug/l	50	2	10	"	"	"	"	"	
91-20-3	Naphthalene	< 50		ug/l	50	10	10	"	"	"	"	"	
95-47-6	o-Xylene	< 10		ug/l	10	4	10	"	"	"	"	"	
99-87-6	p-Isopropyltoluene	< 50		ug/l	50	2	10	"	"	"	"	"	
135-98-8	sec-Butylbenzene	< 50		ug/l	50	2	10	"	"	"	"	"	
100-42-5	Styrene	< 50		ug/l	50	2	10	"	"	"	"	"	
994-05-8	t-Amyl methyl ether	< 50		ug/l	50	8	10	"	"	"	"	"	
75-65-0	t-Butyl alcohol	< 500		ug/l	500	120	10	"	"	"	"	"	
98-06-6	tert-Butylbenzene	< 50		ug/l	50	3	10	"	"	"	"	"	
127-18-4	Tetrachloroethene	< 10		ug/l	10	2	10	"	"	"	"	"	
109-99-9	Tetrahydrofuran	< 100		ug/l	100	7	10	"	"	"	"	"	
108-88-3	Toluene	< 10		ug/l	10	2	10	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	< 10		ug/l	10	2	10	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	< 10		ug/l	10	2	10	"	"	"	"	"	
110-57-6	trans-1,4-Dichloro-2-butene	< 500		ug/l	500	60	10	"	"	"	"	"	
79-01-6	Trichloroethene	**190**		ug/l	10	2	10	"	"	"	"	"	
75-69-4	Trichlorofluoromethane	< 10		ug/l	10	2	10	"	"	"	"	"	
75-01-4	Vinyl Chloride	< 10		ug/l	10	2	10	"	"	"	"	"	
Surrogate recoveries:													
17060-07-0	*1,2-Dichloroethane-d4*	*104*			*80-120 %*			"	"	"	"	"	
460-00-4	*4-Bromofluorobenzene*	*95*			*80-120 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*105*			*80-120 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*97*			*80-120 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TW-1 012220	60276639-1	Ground Water	22-Jan-20 12:35	23-Jan-20
SC57311-03				

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	29-Jan-20 15:00	29-Jan-20 15:01	10670	'200291A	
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	26		ug/l	1	0.2	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	9		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 012220 SC57311-03	60276639-1	Ground Water	22-Jan-20 12:35	23-Jan-20

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	29-Jan-20 15:00	29-Jan-20 15:01	10670	'200291A	
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	**41**		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*	*89*			*80-120 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*97*			*80-120 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*94*			*80-120 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TW-2A 012220	60276639-1	Ground Water	22-Jan-20 12:45	23-Jan-20
SC57311-04				

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	< 2		ug/l	2	0.4	2	SW-846 8260C	29-Jan-20 15:43	29-Jan-20 15:44	10670	'200291A	
71-55-6	1,1,1-Trichloroethane	**840**	E.	ug/l	2	0.6	2	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	< 2		ug/l	2	0.4	2	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	**0.4**	J.	ug/l	2	0.4	2	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	**320**		ug/l	2	0.4	2	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	**18**		ug/l	2	0.4	2	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	< 10		ug/l	10	0.4	2	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	< 10		ug/l	10	0.8	2	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	< 10		ug/l	10	0.4	2	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	< 10		ug/l	10	0.6	2	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	< 10		ug/l	10	2	2	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	< 10		ug/l	10	0.6	2	"	"	"	"	"	
106-93-4	1,2-Dibromoethane	< 2		ug/l	2	0.4	2	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	< 10		ug/l	10	0.4	2	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	< 2		ug/l	2	0.6	2	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	< 2		ug/l	2	0.4	2	"	"	"	"	"	
108-70-3	1,3,5-Trichlorobenzene	< 10		ug/l	10	0.4	2	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	< 10		ug/l	10	0.6	2	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	< 10		ug/l	10	0.4	2	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	< 2		ug/l	2	0.4	2	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	< 10		ug/l	10	0.4	2	"	"	"	"	"	
123-91-1	1,4-Dioxane	< 500		ug/l	500	58	2	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	< 2		ug/l	2	0.6	2	"	"	"	"	"	
78-93-3	2-Butanone	< 20		ug/l	20	0.6	2	"	"	"	"	"	
95-49-8	2-Chlorotoluene	< 10		ug/l	10	0.4	2	"	"	"	"	"	
591-78-6	2-Hexanone	< 20		ug/l	20	0.6	2	"	"	"	"	"	
106-43-4	4-Chlorotoluene	< 10		ug/l	10	0.4	2	"	"	"	"	"	
108-10-1	4-Methyl-2-pentanone	< 20		ug/l	20	1	2	"	"	"	"	"	
67-64-1	Acetone	< 40		ug/l	40	1	2	"	"	"	"	"	
107-13-1	Acrylonitrile	< 40		ug/l	40	0.6	2	"	"	"	"	"	
71-43-2	Benzene	< 2		ug/l	2	0.4	2	"	"	"	"	"	
108-86-1	Bromobenzene	< 10		ug/l	10	0.4	2	"	"	"	"	"	
74-97-5	Bromochloromethane	< 10		ug/l	10	0.4	2	"	"	"	"	"	
75-27-4	Bromodichloromethane	< 2		ug/l	2	0.4	2	"	"	"	"	"	
75-25-2	Bromoform	< 8		ug/l	8	2	2	"	"	"	"	"	
74-83-9	Bromomethane	< 2		ug/l	2	0.6	2	"	"	"	"	"	
75-15-0	Carbon Disulfide	< 10		ug/l	10	0.4	2	"	"	"	"	"	
56-23-5	Carbon Tetrachloride	< 2		ug/l	2	0.4	2	"	"	"	"	"	
108-90-7	Chlorobenzene	< 2		ug/l	2	0.4	2	"	"	"	"	"	
75-00-3	Chloroethane	< 2		ug/l	2	0.4	2	"	"	"	"	"	
67-66-3	Chloroform	< 2		ug/l	2	0.4	2	"	"	"	"	"	
74-87-3	Chloromethane	< 2		ug/l	2	0.4	2	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TW-2A 012220	60276639-1	Ground Water	22-Jan-20 12:45	23-Jan-20
SC57311-04				

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	2	0.4	2	SW-846 8260C	29-Jan-20 15:43	29-Jan-20 15:44	10670	'200291A	
10061-01-5	cis-1,3-Dichloropropene	< 2		ug/l	2	0.4	2	"	"	"	"	"	
108-20-3	di-Isopropyl ether	< 2		ug/l	2	0.4	2	"	"	"	"	"	
124-48-1	Dibromochloromethane	< 2		ug/l	2	0.4	2	"	"	"	"	"	
74-95-3	Dibromomethane	< 2		ug/l	2	0.4	2	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane	< 2		ug/l	2	0.4	2	"	"	"	"	"	
64-17-5	Ethanol	< 1500		ug/l	1500	560	2	"	"	"	"	"	
60-29-7	Ethyl ether	< 10		ug/l	10	0.4	2	"	"	"	"	"	
637-92-3	Ethyl t-butyl ether	< 2		ug/l	2	0.4	2	"	"	"	"	"	
100-41-4	Ethylbenzene	< 2		ug/l	2	0.8	2	"	"	"	"	"	
76-13-1	Freon 113	< 20		ug/l	20	0.4	2	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	< 10		ug/l	10	4	2	"	"	"	"	"	
98-82-8	Isopropylbenzene	< 10		ug/l	10	0.4	2	"	"	"	"	"	
179601-23-1	m+p-Xylene	< 10		ug/l	10	2	2	"	"	"	"	"	
1634-04-4	Methyl Tertiary Butyl Ether	< 2		ug/l	2	0.4	2	"	"	"	"	"	
75-09-2	Methylene Chloride	< 2		ug/l	2	0.6	2	"	"	"	"	"	
104-51-8	n-Butylbenzene	< 10		ug/l	10	0.4	2	"	"	"	"	"	
103-65-1	n-Propylbenzene	< 10		ug/l	10	0.4	2	"	"	"	"	"	
91-20-3	Naphthalene	< 10		ug/l	10	2	2	"	"	"	"	"	
95-47-6	o-Xylene	< 2		ug/l	2	0.8	2	"	"	"	"	"	
99-87-6	p-Isopropyltoluene	< 10		ug/l	10	0.4	2	"	"	"	"	"	
135-98-8	sec-Butylbenzene	< 10		ug/l	10	0.4	2	"	"	"	"	"	
100-42-5	Styrene	< 10		ug/l	10	0.4	2	"	"	"	"	"	
994-05-8	t-Amyl methyl ether	< 10		ug/l	10	2	2	"	"	"	"	"	
75-65-0	t-Butyl alcohol	< 100		ug/l	100	24	2	"	"	"	"	"	
98-06-6	tert-Butylbenzene	< 10		ug/l	10	0.6	2	"	"	"	"	"	
127-18-4	Tetrachloroethene	< 2		ug/l	2	0.4	2	"	"	"	"	"	
109-99-9	Tetrahydrofuran	< 20		ug/l	20	1	2	"	"	"	"	"	
108-88-3	Toluene	< 2		ug/l	2	0.4	2	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	< 2		ug/l	2	0.4	2	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	< 2		ug/l	2	0.4	2	"	"	"	"	"	
110-57-6	trans-1,4-Dichloro-2-buten e	< 100		ug/l	100	12	2	"	"	"	"	"	
79-01-6	Trichloroethene	**480**		ug/l	2	0.4	2	"	"	"	"	"	
75-69-4	Trichlorofluoromethane	< 2		ug/l	2	0.4	2	"	"	"	"	"	
75-01-4	Vinyl Chloride	< 2		ug/l	2	0.4	2	"	"	"	"	"	
Surrogate recoveries:													
17060-07-0	*1,2-Dichloroethane-d4*	*100*			*80-120 %*			"	"	"	"	"	
460-00-4	*4-Bromofluorobenzene*	*90*			*80-120 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*102*			*80-120 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*96*			*80-120 %*			"	"	"	"	"	

Re-analysis of Subcontracted Analyses
Prepared by method SW-846 5030C

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TW-2A 012220	60276639-1	Ground Water	22-Jan-20 12:45	23-Jan-20
SC57311-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Subcontracted Analyses													
Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670													
Re-analysis of Subcontracted Analyses Prepared by method SW-846 5030C													
630-20-6	1,1,1,2-Tetrachloroethane	< 20		ug/l	20	4	20	SW-846 8260C	29-Jan-20 16:05	29-Jan-20 16:06	10670	'200291A	
71-55-6	1,1,1-Trichloroethane	**820**		ug/l	20	6	20	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	< 20		ug/l	20	4	20	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	< 20		ug/l	20	4	20	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	**310**		ug/l	20	4	20	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	**17**	J.	ug/l	20	4	20	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	< 100		ug/l	100	4	20	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	< 100		ug/l	100	8	20	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	< 100		ug/l	100	4	20	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	< 100		ug/l	100	6	20	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	< 100		ug/l	100	20	20	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	< 100		ug/l	100	6	20	"	"	"	"	"	
106-93-4	1,2-Dibromoethane	< 20		ug/l	20	4	20	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	< 100		ug/l	100	4	20	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	< 20		ug/l	20	6	20	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	< 20		ug/l	20	4	20	"	"	"	"	"	
108-70-3	1,3,5-Trichlorobenzene	< 100		ug/l	100	4	20	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	< 100		ug/l	100	6	20	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	< 100		ug/l	100	4	20	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	< 20		ug/l	20	4	20	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	< 100		ug/l	100	4	20	"	"	"	"	"	
123-91-1	1,4-Dioxane	< 5000		ug/l	5000	580	20	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	< 20		ug/l	20	6	20	"	"	"	"	"	
78-93-3	2-Butanone	< 200		ug/l	200	6	20	"	"	"	"	"	
95-49-8	2-Chlorotoluene	< 100		ug/l	100	4	20	"	"	"	"	"	
591-78-6	2-Hexanone	< 200		ug/l	200	6	20	"	"	"	"	"	
106-43-4	4-Chlorotoluene	< 100		ug/l	100	4	20	"	"	"	"	"	
108-10-1	4-Methyl-2-pentanone	< 200		ug/l	200	10	20	"	"	"	"	"	
67-64-1	Acetone	< 400		ug/l	400	14	20	"	"	"	"	"	
107-13-1	Acrylonitrile	< 400		ug/l	400	6	20	"	"	"	"	"	
71-43-2	Benzene	< 20		ug/l	20	4	20	"	"	"	"	"	
108-86-1	Bromobenzene	< 100		ug/l	100	4	20	"	"	"	"	"	
74-97-5	Bromochloromethane	< 100		ug/l	100	4	20	"	"	"	"	"	
75-27-4	Bromodichloromethane	< 20		ug/l	20	4	20	"	"	"	"	"	
75-25-2	Bromoform	< 80		ug/l	80	20	20	"	"	"	"	"	
74-83-9	Bromomethane	< 20		ug/l	20	6	20	"	"	"	"	"	
75-15-0	Carbon Disulfide	< 100		ug/l	100	4	20	"	"	"	"	"	
56-23-5	Carbon Tetrachloride	< 20		ug/l	20	4	20	"	"	"	"	"	
108-90-7	Chlorobenzene	< 20		ug/l	20	4	20	"	"	"	"	"	
75-00-3	Chloroethane	< 20		ug/l	20	4	20	"	"	"	"	"	
67-66-3	Chloroform	< 20		ug/l	20	4	20	"	"	"	"	"	
74-87-3	Chloromethane	< 20		ug/l	20	4	20	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TW-2A 012220	60276639-1	Ground Water	22-Jan-20 12:45	23-Jan-20
SC57311-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Subcontracted Analyses													
Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670													
Re-analysis of Subcontracted Analyses													
156-59-2	cis-1,2-Dichloroethene	**8**	J.	ug/l	20	4	20	SW-846 8260C	29-Jan-20 16:05	29-Jan-20 16:06	10670	'200291A	
10061-01-5	cis-1,3-Dichloropropene	< 20		ug/l	20	4	20	"	"	"	"	"	
108-20-3	di-Isopropyl ether	< 20		ug/l	20	4	20	"	"	"	"	"	
124-48-1	Dibromochloromethane	< 20		ug/l	20	4	20	"	"	"	"	"	
74-95-3	Dibromomethane	< 20		ug/l	20	4	20	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane	< 20		ug/l	20	4	20	"	"	"	"	"	
64-17-5	Ethanol	< 15000		ug/l	15000	5600	20	"	"	"	"	"	
60-29-7	Ethyl ether	< 100		ug/l	100	4	20	"	"	"	"	"	
637-92-3	Ethyl t-butyl ether	< 20		ug/l	20	4	20	"	"	"	"	"	
100-41-4	Ethylbenzene	< 20		ug/l	20	8	20	"	"	"	"	"	
76-13-1	Freon 113	< 200		ug/l	200	4	20	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	< 100		ug/l	100	40	20	"	"	"	"	"	
98-82-8	Isopropylbenzene	< 100		ug/l	100	4	20	"	"	"	"	"	
179601-23-1	m+p-Xylene	< 100		ug/l	100	20	20	"	"	"	"	"	
1634-04-4	Methyl Tertiary Butyl Ether	< 20		ug/l	20	4	20	"	"	"	"	"	
75-09-2	Methylene Chloride	< 20		ug/l	20	6	20	"	"	"	"	"	
104-51-8	n-Butylbenzene	< 100		ug/l	100	4	20	"	"	"	"	"	
103-65-1	n-Propylbenzene	< 100		ug/l	100	4	20	"	"	"	"	"	
91-20-3	Naphthalene	< 100		ug/l	100	20	20	"	"	"	"	"	
95-47-6	o-Xylene	< 20		ug/l	20	8	20	"	"	"	"	"	
99-87-6	p-Isopropyltoluene	< 100		ug/l	100	4	20	"	"	"	"	"	
135-98-8	sec-Butylbenzene	< 100		ug/l	100	4	20	"	"	"	"	"	
100-42-5	Styrene	< 100		ug/l	100	4	20	"	"	"	"	"	
994-05-8	t-Amyl methyl ether	< 100		ug/l	100	16	20	"	"	"	"	"	
75-65-0	t-Butyl alcohol	< 1000		ug/l	1000	240	20	"	"	"	"	"	
98-06-6	tert-Butylbenzene	< 100		ug/l	100	6	20	"	"	"	"	"	
127-18-4	Tetrachloroethene	< 20		ug/l	20	4	20	"	"	"	"	"	
109-99-9	Tetrahydrofuran	< 200		ug/l	200	14	20	"	"	"	"	"	
108-88-3	Toluene	< 20		ug/l	20	4	20	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	< 20		ug/l	20	4	20	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	< 20		ug/l	20	4	20	"	"	"	"	"	
110-57-6	trans-1,4-Dichloro-2-butene	< 1000		ug/l	1000	120	20	"	"	"	"	"	
79-01-6	Trichloroethene	**450**		ug/l	20	4	20	"	"	"	"	"	
75-69-4	Trichlorofluoromethane	< 20		ug/l	20	4	20	"	"	"	"	"	
75-01-4	Vinyl Chloride	< 20		ug/l	20	4	20	"	"	"	"	"	
Surrogate recoveries:													
17060-07-0	*1,2-Dichloroethane-d4*	*100*			*80-120 %*			"	"	"	"	"	
460-00-4	*4-Bromofluorobenzene*	*89*			*80-120 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*99*			*80-120 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*95*			*80-120 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TW-3 012220 SC57311-05	60276639-1	Ground Water	22-Jan-20 12:50	23-Jan-20

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	29-Jan-20 15:22	29-Jan-20 15:23	10670	'200291A	
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	5		ug/l	1	0.2	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	0.7	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 012220 SC57311-05	60276639-1	Ground Water	22-Jan-20 12:50	23-Jan-20

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	29-Jan-20 15:22	29-Jan-20 15:23	10670	'200291A	
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-buten e	< 50		ug/l	50	6	1	"	"	"	"	"	
79-01-6	Trichloroethene	16		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*	*90*			*80-120 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*98*			*80-120 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*94*			*80-120 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TB 012220	60276639-1	Ground Water	22-Jan-20 12:50	23-Jan-20
SC57311-06				

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	29-Jan-20 13:53	29-Jan-20 13:54	10670	200291A	
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	3	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 012220	60276639-1	Ground Water	22-Jan-20 12:50	23-Jan-20
SC57311-06				

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	29-Jan-20 13:53	29-Jan-20 13:54	10670	'200291A	
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	< 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*	*99*			*80-120 %*			"	"	"	"	"	
460-00-4	*4-Bromofluorobenzene*	*90*			*80-120 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*96*			*80-120 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*94*			*80-120 %*			"	"	"	"	"	

Subcontracted Analyses - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SM 2540D-11										
Batch 515630A - SM 2540D-11										
Blank (CF18365-BLK)					Prepared & Analyzed: 23-Jan-20					
Total Suspended Solids	< 2.5		mg/l	2.5	68.2		BRL	-		
LCS (CF18365-LCS)					Prepared & Analyzed: 23-Jan-20					
Total Suspended Solids	**62.00**		mg/l	2.5	68.2		91	85-115		20
SM2540C-11										
Batch 515735A - SM2540C-11										
Blank (CF18416-BLK)					Prepared & Analyzed: 24-Jan-20					
Tot. Diss. Solids	< 10		mg/l	10	259		BRL	-		
Duplicate (CF18416-DUP)			**Source: SC57311-02**		Prepared & Analyzed: 24-Jan-20					
Tot. Diss. Solids	**250**		mg/l	10	259			-	3.9	20
LCS (CF18416-LCS)					Prepared & Analyzed: 24-Jan-20					
Tot. Diss. Solids	**244.0**		mg/l	10	259		94	85-115		20
SW9010C/SW9012B										
Batch 515935A - SM 4500 CN										
Blank (CF18415-BLK)					Prepared: 26-Jan-20 Analyzed: 28-Jan-20					
Total Cyanide	< 0.010		mg/l	0.010			BRL	-		
Duplicate (CF18415-DUP)			**Source: SC57311-01**		Prepared: 26-Jan-20 Analyzed: 28-Jan-20					
Total Cyanide	< 0.010		mg/l	0.010		< 0.010		-	NC	20
LCS (CF18415-LCS)					Prepared: 26-Jan-20 Analyzed: 28-Jan-20					
Total Cyanide	**0.4030**		mg/l	0.010	0.438		92	90-110		20
Matrix Spike (CF18415-MS)			**Source: SC57311-01**		Prepared: 26-Jan-20 Analyzed: 28-Jan-20					
Total Cyanide	**0.2060**		mg/l	0.010	00000298	< 0.010	103	90-110		20

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
EPA 1664B										
Batch 20029807902A - General Preparation										
Blank (B029102B)						Prepared & Analyzed: 29-Jan-20				
HEM (oil & grease)	< 5.0		mg/l	5.0				-		
LCS (L029102Q)						Prepared & Analyzed: 29-Jan-20				
HEM (oil & grease)	**34.0**		mg/l	5.0	40.0		85	78-114		
LCS Dup (L029102Y)						Prepared & Analyzed: 29-Jan-20				
HEM (oil & grease)	**38.8**		mg/l	5.0	40.0		97	78-114	13	13
SW-846 6010C										
Batch 200271404401 - SW-846 3005A										
Blank (P02704ABB)						Prepared & Analyzed: 27-Jan-20				
Barium	< 0.0050		mg/l	0.0050				-		
Zinc	< 0.0200		mg/l	0.0200				-		
Iron	< 0.200		mg/l	0.200				-		
Arsenic	< 0.0300		mg/l	0.0300				-		
Nickel	< 0.0100		mg/l	0.0100				-		
Blank (P02704ABC)						Prepared & Analyzed: 27-Jan-20				
Chromium	< 0.0150		mg/l	0.0150				-		
Copper	< 0.0200		mg/l	0.0200				-		
Manganese	< 0.0100		mg/l	0.0100				-		
LCS (P02704AQQ)						Prepared & Analyzed: 27-Jan-20				
Arsenic	**0.0582**		mg/l	0.0300	0.0600		97	80-120		
Barium	**0.0104**		mg/l	0.0050	0.0100		104	80-120		
Iron	**0.468**		mg/l	0.200	0.400		117	80-120		
Nickel	**2.17**		mg/l	0.0100	2.02		107	80-120		
Zinc	**0.451**		mg/l	0.0200	0.440		102	80-120		
LCS (P02704AQR)						Prepared & Analyzed: 27-Jan-20				
Chromium	**0.0293**		mg/l	0.0150	0.0300		98	80-120		
Copper	**0.0417**		mg/l	0.0200	0.0400		104	80-120		
Manganese	**0.0208**		mg/l	0.0100	0.0200		104	80-120		
SW-846 6020A										
Batch 200271404702A - SW-846 3020A										
Blank (P02704BBB)						Prepared & Analyzed: 27-Jan-20				
Aluminum	< 0.0250		mg/l	0.0250				-		
LCS (P02704BQQ)						Prepared & Analyzed: 27-Jan-20				
Aluminum	**0.209**		mg/l	0.0250	0.200		105	88-114		
SW-846 7470A										
Batch 200270571303 - METHOD										
Blank (P02771CBB)						Prepared: 27-Jan-20 Analyzed: 28-Jan-20				
Mercury	< 0.00020		mg/l	0.00020				-		
LCS (P02771CQQ)						Prepared: 27-Jan-20 Analyzed: 28-Jan-20				
Mercury	**0.00097**		mg/l	0.00020	0.0010		97	80-110		
SW-846 8260C										
Batch L200341AA - SW-846 5030C										
LCS (LCSL97Q)						Prepared & Analyzed: 03-Feb-20				
Methyl Tertiary Butyl Ether	**19**		ug/l	1	20		93	69-122		
m+p-Xylene	**42**		ug/l	5	40		104	80-120		
Isopropylbenzene	**21**		ug/l	5	20		106	80-120		
Hexachlorobutadiene	**17**		ug/l	5	20		86	63-120		
Freon 113	**20**		ug/l	10	20		98	73-139		
Ethylbenzene	**20**		ug/l	1	20		102	80-120		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW-846 8260C										
Batch L200341AA - SW-846 5030C										
LCS (LCSL97Q)					Prepared & Analyzed: 03-Feb-20					
Ethyl t-butyl ether	**19**		ug/l	1	20		96	68-121		
Ethyl ether	**19**		ug/l	5	20		96	59-141		
di-Isopropyl ether	**20**		ug/l	1	20		98	70-124		
Dibromomethane	**21**		ug/l	1	20		106	80-120		
Methylene Chloride	**22**		ug/l	1	20		108	80-120		
Dibromochloromethane	**20**		ug/l	1	20		100	71-120		
cis-1,3-Dichloropropene	**21**		ug/l	1	20		106	75-120		
cis-1,2-Dichloroethene	**23**		ug/l	1	20		113	80-125		
Chloromethane	**17**		ug/l	1	20		86	56-121		
Chloroform	**22**		ug/l	1	20		108	80-120		
Chloroethane	**15**		ug/l	1	20		76	55-123		
Dichlorodifluoromethane	**16**		ug/l	1	20		81	41-127		
t-Butyl alcohol	**190**		ug/l	50	200		95	60-130		
Trichlorofluoromethane	**19**		ug/l	1	20		93	55-135		
Trichloroethene	**21**		ug/l	1	20		106	80-120		
2,2-Dichloropropane	**22**		ug/l	1	20		110	55-142		
trans-1,4-Dichloro-2-butene	**89**		ug/l	50	100		89	33-143		
Chlorobenzene	**21**		ug/l	1	20		104	80-120		
Toluene	**20**		ug/l	1	20		101	80-120		
Tetrahydrofuran	**99**		ug/l	10	100		99	54-144		
trans-1,3-Dichloropropene	**20**		ug/l	1	20		101	67-120		
tert-Butylbenzene	**20**		ug/l	5	20		101	78-120		
Naphthalene	**20**		ug/l	5	20		100	53-124		
t-Amyl methyl ether	**19**		ug/l	5	20		96	66-120		
Styrene	**20**		ug/l	5	20		100	80-120		
sec-Butylbenzene	**21**		ug/l	5	20		105	77-120		
p-Isopropyltoluene	**21**		ug/l	5	20		104	76-120		
o-Xylene	**21**		ug/l	1	20		103	80-120		
n-Propylbenzene	**21**		ug/l	5	20		104	79-121		
n-Butylbenzene	**20**		ug/l	5	20		100	76-120		
Tetrachloroethene	**21**		ug/l	1	20		104	80-120		
1,2,3-Trichlorobenzene	**20**		ug/l	5	20		100	66-120		
1,3,5-Trichlorobenzene	**20**		ug/l	5	20		100	66-123		
1,2-Dichloropropane	**22**		ug/l	1	20		108	80-120		
1,2-Dichloroethane	**22**		ug/l	1	20		110	73-124		
1,2-Dichlorobenzene	**21**		ug/l	5	20		103	80-120		
1,2-Dibromoethane	**20**		ug/l	1	20		101	77-120		
1,2-Dibromo-3-chloropropane	**19**		ug/l	5	20		95	47-131		
1,2,4-Trimethylbenzene	**20**		ug/l	5	20		101	75-120		
2-Chlorotoluene	**20**		ug/l	5	20		102	80-120		
1,2,3-Trichloropropane	**20**		ug/l	5	20		100	75-124		
1,3-Dichloropropane	**20**		ug/l	1	20		101	80-120		
1,1-Dichloropropene	**20**		ug/l	5	20		102	78-120		
1,1-Dichloroethene	**21**		ug/l	1	20		107	80-131		
1,1-Dichloroethane	**21**		ug/l	1	20		106	80-120		
1,1,2-Trichloroethane	**21**		ug/l	1	20		107	80-120		
1,1,2,2-Tetrachloroethane	**20**		ug/l	1	20		99	72-120		
1,1,1-Trichloroethane	**21**		ug/l	1	20		106	67-126		
1,1,1,2-Tetrachloroethane	**21**		ug/l	1	20		105	78-120		
1,2,4-Trichlorobenzene	**20**		ug/l	5	20		98	63-120		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW-846 8260C										
Batch L200341AA - SW-846 5030C										
LCS (LCSL97Q)					Prepared & Analyzed: 03-Feb-20					
4-Methyl-2-pentanone	**96**		ug/l	10	100		96	62-133		
Carbon Disulfide	**19**		ug/l	5	20		94	65-128		
Bromomethane	**14**		ug/l	1	20		72	53-128		
Bromoform	**18**		ug/l	4	20		91	51-120		
Bromodichloromethane	**21**		ug/l	1	20		105	71-120		
Bromochloromethane	**20**		ug/l	5	20		100	80-120		
Bromobenzene	**20**		ug/l	5	20		100	80-120		
Benzene	**21**		ug/l	1	20		105	80-120		
1,3,5-Trimethylbenzene	**21**		ug/l	5	20		104	75-120		
Acetone	**140**		ug/l	20	150		95	54-157		
1,3-Dichlorobenzene	**21**		ug/l	5	20		103	80-120		
4-Chlorotoluene	**20**		ug/l	5	20		101	80-120		
2-Hexanone	**90**		ug/l	10	100		90	56-135		
Vinyl Chloride	**17**		ug/l	1	20		85	56-120		
2-Butanone	**140**		ug/l	10	150		96	59-135		
trans-1,2-Dichloroethene	**21**		ug/l	1	20		106	80-126		
1,4-Dioxane	**640**		ug/l	250	500		127	63-146		
1,4-Dichlorobenzene	**21**		ug/l	5	20		103	80-120		
Carbon Tetrachloride	**21**		ug/l	1	20		105	64-134		
Acrylonitrile	**99**		ug/l	20	100		99	60-129		
Surrogate: 1,2-Dichloroethane-d4	*51*		ug/l		*50*		*102*	*80-120*		
Surrogate: Toluene-d8	*49*		ug/l		*50*		*98*	*80-120*		
Surrogate: 4-Bromofluorobenzene	*50*		ug/l		*50*		*99*	*80-120*		
Surrogate: Dibromofluoromethane	*51*		ug/l		*50*		*102*	*80-120*		
LCS Dup (LCSL97Y)					Prepared & Analyzed: 03-Feb-20					
1,2-Dichloroethane	**22**		ug/l	1	20		109	73-124	1	30
1,1,2,2-Tetrachloroethane	**19**		ug/l	1	20		97	72-120	2	30
1,1,2-Trichloroethane	**21**		ug/l	1	20		105	80-120	2	30
1,1-Dichloroethene	**21**		ug/l	1	20		107	80-131	0	30
1,2,3-Trichlorobenzene	**20**		ug/l	5	20		98	66-120	2	30
1,2,3-Trichloropropane	**19**		ug/l	5	20		95	75-124	6	30
1,2,4-Trichlorobenzene	**19**		ug/l	5	20		97	63-120	1	30
1,2,4-Trimethylbenzene	**20**		ug/l	5	20		100	75-120	1	30
1,2-Dibromo-3-chloropropane	**19**		ug/l	5	20		93	47-131	3	30
1,1,1-Trichloroethane	**21**		ug/l	1	20		105	67-126	1	30
1,2-Dichlorobenzene	**21**		ug/l	5	20		103	80-120	1	30
Trichloroethene	**21**		ug/l	1	20		104	80-120	2	30
1,2-Dichloropropane	**22**		ug/l	1	20		108	80-120	0	30
1,3,5-Trichlorobenzene	**20**		ug/l	5	20		99	66-123	1	30
1,3,5-Trimethylbenzene	**20**		ug/l	5	20		102	75-120	1	30
1,3-Dichlorobenzene	**20**		ug/l	5	20		101	80-120	2	30
1,3-Dichloropropane	**20**		ug/l	1	20		102	80-120	1	30
1,2-Dibromoethane	**20**		ug/l	1	20		100	77-120	1	30
Tetrahydrofuran	**100**		ug/l	10	100		104	54-144	4	30
n-Propylbenzene	**21**		ug/l	5	20		103	79-121	1	30
o-Xylene	**20**		ug/l	1	20		101	80-120	2	30
p-Isopropyltoluene	**21**		ug/l	5	20		103	76-120	1	30
sec-Butylbenzene	**21**		ug/l	5	20		103	77-120	2	30
Styrene	**20**		ug/l	5	20		101	80-120	1	30
t-Amyl methyl ether	**19**		ug/l	5	20		95	66-120	1	30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW-846 8260C										
Batch L200341AA - SW-846 5030C										
LCS Dup (LCSL97Y)					Prepared & Analyzed: 03-Feb-20					
t-Butyl alcohol	**200**		ug/l	50	200		99	60-130	3	30
Vinyl Chloride	**17**		ug/l	1	20		84	56-120	1	30
Tetrachloroethene	**21**		ug/l	1	20		104	80-120	0	30
1,1,1,2-Tetrachloroethane	**21**		ug/l	1	20		105	78-120	0	30
Toluene	**20**		ug/l	1	20		102	80-120	0	30
trans-1,2-Dichloroethene	**21**		ug/l	1	20		104	80-126	2	30
trans-1,3-Dichloropropene	**20**		ug/l	1	20		100	67-120	1	30
trans-1,4-Dichloro-2-butene	**87**		ug/l	50	100		87	33-143	2	30
1,1-Dichloropropene	**20**		ug/l	5	20		101	78-120	1	30
Trichlorofluoromethane	**19**		ug/l	1	20		93	55-135	0	30
1,4-Dichlorobenzene	**20**		ug/l	5	20		102	80-120	1	30
tert-Butylbenzene	**20**		ug/l	5	20		101	78-120	0	30
Ethylbenzene	**20**		ug/l	1	20		102	80-120	0	30
Chloroform	**21**		ug/l	1	20		106	80-120	2	30
Chloromethane	**17**		ug/l	1	20		83	56-121	4	30
cis-1,2-Dichloroethene	**22**		ug/l	1	20		109	80-125	3	30
cis-1,3-Dichloropropene	**21**		ug/l	1	20		105	75-120	1	30
Dibromochloromethane	**20**		ug/l	1	20		100	71-120	0	30
1,4-Dioxane	**650**		ug/l	250	500		130	63-146	2	30
Dichlorodifluoromethane	**16**		ug/l	1	20		79	41-127	2	30
1,1-Dichloroethane	**21**		ug/l	1	20		105	80-120	1	30
Chloroethane	**15**		ug/l	1	20		77	55-123	1	30
Ethyl t-butyl ether	**19**		ug/l	1	20		94	68-121	2	30
Dibromomethane	**21**		ug/l	1	20		105	80-120	1	30
Freon 113	**19**		ug/l	10	20		96	73-139	2	30
Hexachlorobutadiene	**17**		ug/l	5	20		85	63-120	2	30
Isopropylbenzene	**21**		ug/l	5	20		106	80-120	0	30
m+p-Xylene	**42**		ug/l	5	40		104	80-120	1	30
Methyl Tertiary Butyl Ether	**18**		ug/l	1	20		92	69-122	1	30
Methylene Chloride	**21**		ug/l	1	20		105	80-120	3	30
Naphthalene	**20**		ug/l	5	20		99	53-124	2	30
n-Butylbenzene	**20**		ug/l	5	20		98	76-120	2	30
Ethyl ether	**19**		ug/l	5	20		94	59-141	2	30
Benzene	**21**		ug/l	1	20		104	80-120	1	30
2-Chlorotoluene	**20**		ug/l	5	20		100	80-120	2	30
di-Isopropyl ether	**20**		ug/l	1	20		98	70-124	1	30
2-Butanone	**140**		ug/l	10	150		95	59-135	2	30
Chlorobenzene	**21**		ug/l	1	20		104	80-120	0	30
4-Chlorotoluene	**20**		ug/l	5	20		100	80-120	1	30
4-Methyl-2-pentanone	**94**		ug/l	10	100		94	62-133	2	30
2-Hexanone	**91**		ug/l	10	100		91	56-135	0	30
Acrylonitrile	**97**		ug/l	20	100		97	60-129	2	30
Bromobenzene	**20**		ug/l	5	20		99	80-120	2	30
Bromochloromethane	**20**		ug/l	5	20		101	80-120	0	30
Bromodichloromethane	**21**		ug/l	1	20		104	71-120	1	30
2,2-Dichloropropane	**22**		ug/l	1	20		109	55-142	1	30
Acetone	**150**		ug/l	20	150		101	54-157	6	30
Bromoform	**18**		ug/l	4	20		90	51-120	1	30
Bromomethane	**14**		ug/l	1	20		71	53-128	1	30
Carbon Disulfide	**18**		ug/l	5	20		92	65-128	1	30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW-846 8260C										
Batch L200341AA - SW-846 5030C										
LCS Dup (LCSL97Y)						Prepared & Analyzed: 03-Feb-20				
Carbon Tetrachloride	**21**		ug/l	1	20		105	64-134	0	30
Surrogate: 4-Bromofluorobenzene	*50*		ug/l		*50*		*99*	*80-120*		
Surrogate: Toluene-d8	*49*		ug/l		*50*		*98*	*80-120*		
Surrogate: 1,2-Dichloroethane-d4	*51*		ug/l		*50*		*102*	*80-120*		
Surrogate: Dibromofluoromethane	*50*		ug/l		*50*		*100*	*80-120*		
LCS (LCSL98Q)						Prepared & Analyzed: 03-Feb-20				
Ethanol	**490**		ug/l	750	500		99	31-180		
LCS Dup (LCSL98Y)						Prepared & Analyzed: 03-Feb-20				
Ethanol	**480**		ug/l	750	500		95	31-180	3	30
Blank (VBLKL97B)						Prepared & Analyzed: 03-Feb-20				
1,1-Dichloroethane	< 1		ug/l	1				-		
1,4-Dioxane	< 250		ug/l	250				-		
1,4-Dichlorobenzene	< 5		ug/l	5				-		
2,2-Dichloropropane	< 1		ug/l	1				-		
2-Butanone	< 10		ug/l	10				-		
1,3-Dichloropropane	< 1		ug/l	1				-		
2-Chlorotoluene	< 5		ug/l	5				-		
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				-		
1,2,3-Trichlorobenzene	< 5		ug/l	5				-		
1,1,1,2-Tetrachloroethane	< 1		ug/l	1				-		
1,1,1-Trichloroethane	< 1		ug/l	1				-		
1,1,2,2-Tetrachloroethane	< 1		ug/l	1				-		
1,1,2-Trichloroethane	< 1		ug/l	1				-		
2-Hexanone	< 10		ug/l	10				-		
1,1-Dichloropropene	< 5		ug/l	5				-		
1,1-Dichloroethene	< 1		ug/l	1				-		
1,2-Dichlorobenzene	< 5		ug/l	5				-		
1,2,3-Trichloropropane	< 5		ug/l	5				-		
1,2,4-Trichlorobenzene	< 5		ug/l	5				-		
1,2,4-Trimethylbenzene	< 5		ug/l	5				-		
1,2-Dibromo-3-chloropropane	< 5		ug/l	5				-		
Vinyl Chloride	< 1		ug/l	1				-		
1,2-Dibromoethane	< 1		ug/l	1				-		
Methyl Tertiary Butyl Ether	< 1		ug/l	1				-		
Styrene	< 5		ug/l	5				-		
Ethyl t-butyl ether	< 1		ug/l	1				-		
Isopropylbenzene	< 5		ug/l	5				-		
Freon 113	< 10		ug/l	10				-		
Hexachlorobutadiene	< 5		ug/l	5				-		
m+p-Xylene	< 5		ug/l	5				-		
Methylene Chloride	< 1		ug/l	1				-		
Naphthalene	< 5		ug/l	5				-		
n-Butylbenzene	< 5		ug/l	5				-		
n-Propylbenzene	< 5		ug/l	5				-		
o-Xylene	< 1		ug/l	1				-		
4-Chlorotoluene	< 5		ug/l	5				-		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW-846 8260C										
Batch L200341AA - SW-846 5030C										
Blank (VBLKL97B)						Prepared & Analyzed: 03-Feb-20				
sec-Butylbenzene	< 5		ug/l	5				-		
Ethyl ether	< 5		ug/l	5				-		
t-Amyl methyl 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				-		
p-Isopropyltoluene	< 5		ug/l	5				-		
Chlorobenzene	< 1		ug/l	1				-		
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 Tetrachloride	< 1		ug/l	1				-		
Ethanol	< 750		ug/l	750				-		
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				-		
Carbon Disulfide	< 5		ug/l	5				-		
Surrogate: 1,2-Dichloroethane-d4	*49*		ug/l		*50*		*99*	*80-120*		
Surrogate: Toluene-d8	*49*		ug/l		*50*		*97*	*80-120*		
Surrogate: Dibromofluoromethane	*50*		ug/l		*50*		*99*	*80-120*		
Surrogate: 4-Bromofluorobenzene	*48*		ug/l		*50*		*96*	*80-120*		
Batch Y200291AA - SW-846 5030C										
LCS (LCSY78Q)						Prepared & Analyzed: 29-Jan-20				
1,2,4-Trimethylbenzene	**21**		ug/l	5	20		105	75-120		
Chloroform	**21**		ug/l	1	20		107	80-120		
Acetone	**180**		ug/l	20	150		120	54-157		
Ethylbenzene	**22**		ug/l	1	20		109	80-120		
Ethyl t-butyl ether	**19**		ug/l	1	20		93	68-121		
Ethyl ether	**18**		ug/l	5	20		92	59-141		
di-Isopropyl ether	**21**		ug/l	1	20		107	70-124		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW-846 8260C										
Batch Y200291AA - SW-846 5030C										
LCS (LCSY78Q)					Prepared & Analyzed: 29-Jan-20					
Dichlorodifluoromethane	**12**		ug/l	1	20		61	41-127		
Dibromomethane	**22**		ug/l	1	20		108	80-120		
Dibromochloromethane	**21**		ug/l	1	20		106	71-120		
cis-1,3-Dichloropropene	**21**		ug/l	1	20		106	75-120		
Hexachlorobutadiene	**22**		ug/l	5	20		108	63-120		
Chloromethane	**16**		ug/l	1	20		80	56-121		
Isopropylbenzene	**21**		ug/l	5	20		105	80-120		
Chloroethane	**16**		ug/l	1	20		80	55-123		
Chlorobenzene	**21**		ug/l	1	20		107	80-120		
Carbon Tetrachloride	**19**		ug/l	1	20		95	64-134		
Carbon Disulfide	**19**		ug/l	5	20		97	65-128		
Bromomethane	**15**		ug/l	1	20		75	53-128		
Bromoform	**21**		ug/l	4	20		103	51-120		
Bromodichloromethane	**21**		ug/l	1	20		107	71-120		
Bromochloromethane	**20**		ug/l	5	20		98	80-120		
1,2,3-Trichloropropane	**22**		ug/l	5	20		110	75-124		
Benzene	**22**		ug/l	1	20		110	80-120		
cis-1,2-Dichloroethene	**23**		ug/l	1	20		114	80-125		
t-Amyl methyl ether	**19**		ug/l	5	20		93	66-120		
Vinyl Chloride	**16**		ug/l	1	20		80	56-120		
Trichlorofluoromethane	**15**		ug/l	1	20		77	55-135		
Trichloroethene	**21**		ug/l	1	20		104	80-120		
trans-1,4-Dichloro-2-butene	**100**		ug/l	50	100		102	33-143		
trans-1,3-Dichloropropene	**21**		ug/l	1	20		104	67-120		
trans-1,2-Dichloroethene	**22**		ug/l	1	20		108	80-126		
Toluene	**22**		ug/l	1	20		108	80-120		
Tetrahydrofuran	**110**		ug/l	10	100		106	54-144		
Tetrachloroethene	**21**		ug/l	1	20		104	80-120		
Freon 113	**19**		ug/l	10	20		96	73-139		
t-Butyl alcohol	**230**		ug/l	50	200		115	60-130		
Acrylonitrile	**120**		ug/l	20	100		116	60-129		
Styrene	**22**		ug/l	5	20		110	80-120		
sec-Butylbenzene	**22**		ug/l	5	20		108	77-120		
p-Isopropyltoluene	**21**		ug/l	5	20		107	76-120		
o-Xylene	**21**		ug/l	1	20		105	80-120		
n-Propylbenzene	**23**		ug/l	5	20		113	79-121		
n-Butylbenzene	**22**		ug/l	5	20		108	76-120		
Naphthalene	**21**		ug/l	5	20		105	53-124		
Methylene Chloride	**23**		ug/l	1	20		113	80-120		
Methyl Tertiary Butyl Ether	**19**		ug/l	1	20		93	69-122		
m+p-Xylene	**43**		ug/l	5	40		108	80-120		
tert-Butylbenzene	**20**		ug/l	5	20		101	78-120		
1,1-Dichloroethene	**22**		ug/l	1	20		108	80-131		
1,1,1,2-Tetrachloroethane	**21**		ug/l	1	20		105	78-120		
1,1,1-Trichloroethane	**20**		ug/l	1	20		98	67-126		
1,1,2,2-Tetrachloroethane	**22**		ug/l	1	20		112	72-120		
Bromobenzene	**23**		ug/l	5	20		114	80-120		
1,1-Dichloroethane	**22**		ug/l	1	20		109	80-120		
4-Methyl-2-pentanone	**110**		ug/l	10	100		110	62-133		
1,1-Dichloropropene	**20**		ug/l	5	20		102	78-120		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW-846 8260C										
Batch Y200291AA - SW-846 5030C										
LCS (LCSY78Q)					Prepared & Analyzed: 29-Jan-20					
1,2,3-Trichlorobenzene	**21**		ug/l	5	20		106	66-120		
1,2,4-Trichlorobenzene	**21**		ug/l	5	20		103	63-120		
1,2-Dibromo-3-chloropropane	**21**		ug/l	5	20		103	47-131		
1,2-Dibromoethane	**22**		ug/l	1	20		109	77-120		
1,2-Dichlorobenzene	**22**		ug/l	5	20		111	80-120		
1,2-Dichloroethane	**21**		ug/l	1	20		104	73-124		
2-Chlorotoluene	**21**		ug/l	5	20		106	80-120		
1,1,2-Trichloroethane	**23**		ug/l	1	20		116	80-120		
1,2-Dichloropropane	**23**		ug/l	1	20		116	80-120		
4-Chlorotoluene	**21**		ug/l	5	20		107	80-120		
2-Hexanone	**110**		ug/l	10	100		112	56-135		
2-Butanone	**170**		ug/l	10	150		112	59-135		
2,2-Dichloropropane	**20**		ug/l	1	20		101	55-142		
1,4-Dioxane	**640**		ug/l	250	500		128	63-146		
1,3,5-Trichlorobenzene	**22**		ug/l	5	20		108	66-123		
1,3-Dichloropropane	**22**		ug/l	1	20		109	80-120		
1,3-Dichlorobenzene	**22**		ug/l	5	20		111	80-120		
1,3,5-Trimethylbenzene	**21**		ug/l	5	20		106	75-120		
1,4-Dichlorobenzene	**23**		ug/l	5	20		113	80-120		
Surrogate: Toluene-d8	*48*		ug/l		*50*		*97*	*80-120*		
Surrogate: Dibromofluoromethane	*47*		ug/l		*50*		*94*	*80-120*		
Surrogate: 4-Bromofluorobenzene	*47*		ug/l		*50*		*95*	*80-120*		
Surrogate: 1,2-Dichloroethane-d4	*48*		ug/l		*50*		*97*	*80-120*		
LCS Dup (LCSY78Y)					Prepared & Analyzed: 29-Jan-20					
sec-Butylbenzene	**22**		ug/l	5	20		109	77-120	1	30
Styrene	**22**		ug/l	5	20		111	80-120	1	30
t-Amyl methyl ether	**19**		ug/l	5	20		95	66-120	2	30
t-Butyl alcohol	**230**		ug/l	50	200		114	60-130	1	30
tert-Butylbenzene	**21**		ug/l	5	20		103	78-120	1	30
Tetrahydrofuran	**110**		ug/l	10	100		106	54-144	0	30
p-Isopropyltoluene	**22**		ug/l	5	20		109	76-120	2	30
Trichloroethene	**21**		ug/l	1	20		106	80-120	1	30
Vinyl Chloride	**17**		ug/l	1	20		84	56-120	5	30
Tetrachloroethene	**21**		ug/l	1	20		105	80-120	0	30
trans-1,2-Dichloroethene	**22**		ug/l	1	20		111	80-126	3	30
o-Xylene	**21**		ug/l	1	20		106	80-120	1	30
n-Propylbenzene	**23**		ug/l	5	20		115	79-121	2	30
n-Butylbenzene	**22**		ug/l	5	20		110	76-120	2	30
Naphthalene	**21**		ug/l	5	20		106	53-124	1	30
Methylene Chloride	**23**		ug/l	1	20		116	80-120	3	30
trans-1,4-Dichloro-2-butene	**100**		ug/l	50	100		104	33-143	2	30
Trichlorofluoromethane	**16**		ug/l	1	20		79	55-135	3	30
Toluene	**22**		ug/l	1	20		109	80-120	1	30
Carbon Tetrachloride	**19**		ug/l	1	20		96	64-134	1	30
trans-1,3-Dichloropropene	**21**		ug/l	1	20		104	67-120	1	30
Dibromochloromethane	**21**		ug/l	1	20		107	71-120	1	30
4-Chlorotoluene	**22**		ug/l	5	20		110	80-120	2	30
4-Methyl-2-pentanone	**110**		ug/l	10	100		111	62-133	1	30
Acrylonitrile	**120**		ug/l	20	100		120	60-129	4	30
Bromobenzene	**23**		ug/l	5	20		116	80-120	2	30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW-846 8260C										
Batch Y200291AA - SW-846 5030C										
LCS Dup (LCSY78Y)					Prepared & Analyzed: 29-Jan-20					
Bromochloromethane	**19**		ug/l	5	20		97	80-120	0	30
Bromodichloromethane	**22**		ug/l	1	20		108	71-120	1	30
Bromoform	**21**		ug/l	4	20		104	51-120	1	30
Bromomethane	**16**		ug/l	1	20		78	53-128	4	30
Carbon Disulfide	**20**		ug/l	5	20		101	65-128	4	30
Chlorobenzene	**22**		ug/l	1	20		109	80-120	2	30
Chloroform	**22**		ug/l	1	20		108	80-120	1	30
Chloromethane	**17**		ug/l	1	20		85	56-121	5	30
2-Hexanone	**110**		ug/l	10	100		112	56-135	1	30
cis-1,3-Dichloropropene	**21**		ug/l	1	20		107	75-120	1	30
Acetone	**180**		ug/l	20	150		121	54-157	1	30
Dibromomethane	**22**		ug/l	1	20		109	80-120	1	30
Dichlorodifluoromethane	**12**		ug/l	1	20		62	41-127	1	30
di-Isopropyl ether	**22**		ug/l	1	20		112	70-124	5	30
Ethyl ether	**19**		ug/l	5	20		95	59-141	3	30
Ethyl t-butyl ether	**19**		ug/l	1	20		97	68-121	4	30
Ethylbenzene	**22**		ug/l	1	20		110	80-120	1	30
Freon 113	**20**		ug/l	10	20		99	73-139	3	30
Hexachlorobutadiene	**21**		ug/l	5	20		107	63-120	0	30
Isopropylbenzene	**21**		ug/l	5	20		106	80-120	1	30
m+p-Xylene	**44**		ug/l	5	40		109	80-120	1	30
Methyl Tertiary Butyl Ether	**20**		ug/l	1	20		98	69-122	5	30
Chloroethane	**17**		ug/l	1	20		83	55-123	3	30
cis-1,2-Dichloroethene	**23**		ug/l	1	20		117	80-125	3	30
1,2,4-Trichlorobenzene	**21**		ug/l	5	20		105	63-120	2	30
1,1,1,2-Tetrachloroethane	**21**		ug/l	1	20		107	78-120	2	30
1,1,1-Trichloroethane	**20**		ug/l	1	20		99	67-126	2	30
1,1,2,2-Tetrachloroethane	**23**		ug/l	1	20		114	72-120	2	30
1,1,2-Trichloroethane	**23**		ug/l	1	20		116	80-120	0	30
1,1-Dichloroethane	**22**		ug/l	1	20		112	80-120	3	30
1,1-Dichloroethene	**22**		ug/l	1	20		112	80-131	3	30
1,1-Dichloropropene	**21**		ug/l	5	20		103	78-120	1	30
1,2,3-Trichlorobenzene	**21**		ug/l	5	20		107	66-120	0	30
Benzene	**22**		ug/l	1	20		111	80-120	1	30
1,2,3-Trichloropropane	**22**		ug/l	5	20		112	75-124	2	30
2-Chlorotoluene	**22**		ug/l	5	20		109	80-120	2	30
1,2,4-Trimethylbenzene	**21**		ug/l	5	20		107	75-120	2	30
1,2-Dibromo-3-chloropropane	**21**		ug/l	5	20		104	47-131	1	30
1,2-Dibromoethane	**22**		ug/l	1	20		110	77-120	1	30
1,4-Dioxane	**650**		ug/l	250	500		130	63-146	1	30
2-Butanone	**170**		ug/l	10	150		115	59-135	3	30
2,2-Dichloropropane	**21**		ug/l	1	20		105	55-142	4	30
1,2-Dichlorobenzene	**23**		ug/l	5	20		114	80-120	2	30
1,4-Dichlorobenzene	**23**		ug/l	5	20		115	80-120	2	30
1,3-Dichloropropane	**22**		ug/l	1	20		109	80-120	1	30
1,2-Dichloroethane	**21**		ug/l	1	20		105	73-124	1	30
1,3,5-Trimethylbenzene	**22**		ug/l	5	20		108	75-120	2	30
1,3,5-Trichlorobenzene	**22**		ug/l	5	20		111	66-123	2	30
1,2-Dichloropropane	**24**		ug/l	1	20		118	80-120	1	30
1,3-Dichlorobenzene	**23**		ug/l	5	20		114	80-120	3	30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW-846 8260C										
Batch Y200291AA - SW-846 5030C										
LCS Dup (LCSY78Y)						Prepared & Analyzed: 29-Jan-20				
Surrogate: 4-Bromofluorobenzene	*48*		ug/l		*50*		*95*	*80-120*		
Surrogate: Toluene-d8	*48*		ug/l		*50*		*96*	*80-120*		
Surrogate: 1,2-Dichloroethane-d4	*49*		ug/l		*50*		*97*	*80-120*		
Surrogate: Dibromofluoromethane	*47*		ug/l		*50*		*95*	*80-120*		
LCS (LCSY79Q)						Prepared & Analyzed: 29-Jan-20				
Ethanol	**580**		ug/l	750	500		115	31-180		
LCS Dup (LCSY79Y)						Prepared & Analyzed: 29-Jan-20				
Ethanol	**600**		ug/l	750	500		120	31-180	4	30
Blank (VBLKY78B)						Prepared & Analyzed: 29-Jan-20				
tert-Butylbenzene	< 5		ug/l	5				-		
Tetrachloroethene	< 1		ug/l	1				-		
Trichlorofluoromethane	< 1		ug/l	1				-		
Trichloroethene	< 1		ug/l	1				-		
trans-1,4-Dichloro-2-butene	< 50		ug/l	50				-		
trans-1,3-Dichloropropene	< 1		ug/l	1				-		
trans-1,2-Dichloroethene	< 1		ug/l	1				-		
Toluene	< 1		ug/l	1				-		
Vinyl Chloride	< 1		ug/l	1				-		
1,2,3-Trichloropropane	< 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-Dichlorobenzene	< 5		ug/l	5				-		
1,2-Dibromoethane	< 1		ug/l	1				-		
1,2-Dibromo-3-chloropropane	< 5		ug/l	5				-		
Bromomethane	< 1		ug/l	1				-		
1,2,4-Trichlorobenzene	< 5		ug/l	5				-		
1,3-Dichloropropane	< 1		ug/l	1				-		
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				-		
Tetrahydrofuran	< 10		ug/l	10				-		
1,1,2,2-Tetrachloroethane	< 1		ug/l	1				-		
1,2,4-Trimethylbenzene	< 5		ug/l	5				-		
4-Chlorotoluene	< 5		ug/l	5				-		
Bromoform	< 4		ug/l	4				-		
Bromodichloromethane	< 1		ug/l	1				-		
Bromochloromethane	< 5		ug/l	5				-		
Bromobenzene	< 5		ug/l	5				-		
Benzene	< 1		ug/l	1				-		
Acrylonitrile	< 20		ug/l	20				-		
1,3,5-Trimethylbenzene	< 5		ug/l	5				-		
4-Methyl-2-pentanone	< 10		ug/l	10				-		
1,3-Dichlorobenzene	< 5		ug/l	5				-		
2-Hexanone	< 10		ug/l	10				-		
2-Chlorotoluene	< 5		ug/l	5				-		
2-Butanone	< 10		ug/l	10				-		
2,2-Dichloropropane	< 1		ug/l	1				-		
1,4-Dioxane	< 250		ug/l	250				-		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW-846 8260C										
Batch Y200291AA - SW-846 5030C										
Blank (VBLKY78B)					Prepared & Analyzed: 29-Jan-20					
1,4-Dichlorobenzene	< 5		ug/l	5				-		
1,1,1-Trichloroethane	< 1		ug/l	1				-		
Acetone	< 20		ug/l	20				-		
n-Propylbenzene	< 5		ug/l	5				-		
1,1,2-Trichloroethane	< 1		ug/l	1				-		
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				-		
Methylene Chloride	< 1		ug/l	1				-		
Ethylbenzene	< 1		ug/l	1				-		
n-Butylbenzene	< 5		ug/l	5				-		
Ethyl t-butyl ether	< 1		ug/l	1				-		
o-Xylene	< 1		ug/l	1				-		
p-Isopropyltoluene	< 5		ug/l	5				-		
sec-Butylbenzene	< 5		ug/l	5				-		
Styrene	< 5		ug/l	5				-		
t-Amyl methyl ether	< 5		ug/l	5				-		
t-Butyl alcohol	< 50		ug/l	50				-		
Naphthalene	< 5		ug/l	5				-		
cis-1,3-Dichloropropene	< 1		ug/l	1				-		
Carbon Disulfide	< 5		ug/l	5				-		
Carbon Tetrachloride	< 1		ug/l	1				-		
Chlorobenzene	< 1		ug/l	1				-		
Chloroethane	< 1		ug/l	1				-		
Chloroform	< 1		ug/l	1				-		
Chloromethane	< 1		ug/l	1				-		
Freon 113	< 10		ug/l	10				-		
cis-1,2-Dichloroethene	< 1		ug/l	1				-		
1,1,1,2-Tetrachloroethane	< 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				-		
Ethyl ether	< 5		ug/l	5				-		
Surrogate: Dibromofluoromethane	*50*		ug/l		*50*		*99*	*80-120*		
Surrogate: Toluene-d8	*47*		ug/l		*50*		*94*	*80-120*		
Surrogate: 1,2-Dichloroethane-d4	*50*		ug/l		*50*		*99*	*80-120*		
Surrogate: 4-Bromofluorobenzene	*45*		ug/l		*50*		*90*	*80-120*		

Notes and Definitions

E.	Exceeded calibration range of the instrument
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 3730

SC57311

eurofins | Spectrum Analytical

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:

- [x] Standard TAT - 7 to 10 business days
- [ ] Rush TAT - Date Needed: _____

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 30 days unless otherwise instructed.

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

Telephone #: 518-951-2200
Project Mgr: Lindsay Mitchell

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_2S2O_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=Drinking 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	Analysis: List Preservative Code below: 2	4	11	3	5	Check if chlorinated
										8260	metals	TSS/TDS	O+G	Cyanide	
SC57311 01	EFF55012220	1/22/20	1315	G	GW	3	1		4	X	X	X	X	X	☐
02	INF 012220		1240				1		4		X	X	X	X	☐
03	TW-1 012220		1235												☐
04	TW-2A 012220		1245												☐
05	TW-3 012220		1250												☐
06	TB 012220	—	—	—	—	2									☐
															☐
															☐
															☐
															☐

QA/QC Reporting Notes:
* additional charges may appply

MA DEP MCP CAM Report? ☐ Yes ☐ No
CT DPH RCP Report? ☐ Yes ☐ No
☐ Standard ☐ No QC ☐ DQA*
☐ ASP A* ☐ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☐ Other: _____
State-specific reporting standards.

Relinquished by:	Received by:	Date:	Time:
Stu Guy	FedEx	1/22/20	1610
FedEx	[signature] 1/23	~~1/22/20~~	10:10
		1/23/20	

Temp °C: Observed 3 | Correction Factor 0 | Corrected 3 | 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 3730

SC57311

eurofins | Spectrum Analytical

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:

- [X] Standard TAT - 7 to 10 business days
- [ ] Rush TAT - Date Needed: _____

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 30 days unless otherwise instructed.

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

Telephone #: 518-951-2200
Project Mgr: Lindsay Mitchell

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=Drinking 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=Composite

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
SC57311 01	EFF55012220	1/22/20	1315	G	GW	3	1		4	X	X	X	X	X	
02	INF 012220		1240				1		4		X	X	X	X	
03	TW-1 012220		1235												
04	TW-2A 012220		1245												
05	TW-3 012220		1250												
06	TB 012220	—	—	—	—	2									

List Preservative Code below: 2 | 4 | 11 | 3 | 5

QA/QC Reporting Notes:
* additional charges may appply

MA DEP MCP CAM Report? [ ] Yes [ ] No
CT DPH RCP Report? [ ] Yes [ ] No
[ ] Standard [ ] No QC [ ] DQA*
[ ] ASP A* [ ] ASP B*
[ ] NJ Reduced* [ ] NJ Full*
[ ] Tier II* [ ] Tier IV*
[ ] Other: _____
State-specific reporting standards:

Metals = Al, As, Ba, Cr, Cu, Fe, Hg, Mn, Ni and Zn per project history
JM 1/24

Relinquished by:	Received by:	Date:	Time:
Fedex	Fedex	1/22/20	1610
		~~1/22/20~~ 1/23/20	10:10

Temp °C: Observed 3, Correction Factor 0, Corrected 3, 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

00055
00200

FedEx Express Package US Airbill

FedEx Tracking Number 8088 8989 3730

Form ID No. 0215

1 From

Date 1-22-20

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 60276634-1

3 To

Recipient's Name Sample Receiving 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.

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.

City Agawam State MA ZIP 01001

0120406210

8088 8989 3730

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.
- [x] 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
- [x] 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.

- [x] 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. [ ]

- [x] 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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fedex.com 1.800.GoFedEx 1.800.463.3339

23690

05667048

Batch Summary

200270571303

Subcontracted Analyses

P02771CBB
P02771CQQ
SC57311-01 (EFF55 012220)
SC57311-02 (INF 012220)

200271404401

Subcontracted Analyses

P02704ABB
P02704ABC
P02704AQQ
P02704AQR
SC57311-01 (EFF55 012220)
SC57311-02 (INF 012220)

200271404702A

Subcontracted Analyses

P02704BBB
P02704BQQ
SC57311-01 (EFF55 012220)
SC57311-02 (INF 012220)

20029807902A

Subcontracted Analyses

B029102B
L029102Q
L029102Y
SC57311-01 (EFF55 012220)
SC57311-02 (INF 012220)

515630A

Subcontracted Analyses

CF18365-BLK
CF18365-LCS
SC57311-01 (EFF55 012220)
SC57311-02 (INF 012220)

515735A

Subcontracted Analyses

CF18416-BLK
CF18416-DUP
CF18416-LCS
SC57311-01 (EFF55 012220)
SC57311-02 (INF 012220)

515935A

Subcontracted Analyses

CF18415-BLK
CF18415-DUP
CF18415-LCS
CF18415-MS
SC57311-01 (EFF55 012220)
SC57311-02 (INF 012220)

L200341AA

Subcontracted Analyses

LCSL97Q
LCSL97Y
LCSL98Q
LCSL98Y
SC57311-02RE01 (INF 012220)
VBLKL97B

Y200291AA

Subcontracted Analyses

LCSY78Q
LCSY78Y
LCSY79Q
LCSY79Y
SC57311-01 (EFF55 012220)
SC57311-02 (INF 012220)
SC57311-03 (TW-1 012220)
SC57311-04 (TW-2A 012220)
SC57311-04RE01 (TW-2A 012220)
SC57311-05 (TW-3 012220)
SC57311-06 (TB 012220)
VBLKY78B