AECOM

Operation, Maintenance and Monitoring Report
November 2019

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

January 2020

January 10, 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: November 2019

Dear Mr. Long:

This monthly summary report describes the operation, maintenance and monitoring (OM&M) of the remedial system at the NOW Corporation site in the Town of Clinton, New York, for a 28-day period (**October 22 – November 19, 2019**).

With the exceptions noted below, if any, the pump and treat system was online and operational throughout the reporting period. Approximately 235,000 gallons of water were treated. Discharge from the treatment system averaged approximately 8,400 gallons per day (gpd).

As of the last day of the reporting period, a total of 117,587,000 gallons of groundwater had been recovered and treated by the system since it became operational in February 1998.

Table 1 summarizes influent and effluent analytical data for water samples collected on November 19, 2019. **There were no exceedances of effluent limitations.** A copy of the analytical laboratory report is attached. Total VOCs in the most contaminated extraction well (TW-2A) was 1,454 ug/L; last month's value was 1,559 ug/L.

Table 2 presents operational data recorded on the sampling date.

Table 3 presents quarterly water levels measured in selected monitoring wells.

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:

November 11 – Took the TW-2A influent flowmeter apart because it had not been recording flow. Thoroughly cleaned the internals, and put the flowmeter back together. Impeller turns freely, and influent is now being recorded. Note that system *discharge* shown in paragraph two above is recorded on a magmeter, which is less susceptible to biological fouling. The discharge is *not* the sum of the influent flow from the recovery wells.

November 19 – Performed monthly system inspection and influent and effluent sampling. Collected well water level measurements.

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

Please feel free to contact me at (518) 951-2262, or at stephen.choiniere@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.

Stephen R. Choiniere
Project Manager

Table 1
Summary of Influent and Effluent Data
Sampling Date: November 19, 2019
NOW Corporation Site
NYSDEC Site No. 3-14-008
Town of Clinton, New York

Analytes/ Parameters	Total Influent	Effluent	Recovery Wells			Effluent Limitations	(units)
			TW-1	TW-2A	TW-3		
Quantity treated, avg per day		8,379				Monitor	gallons
pH	6.9	7.3				6.5 to 8.5	standard units
Oil and Grease	<5	**3.5 J**	NA	NA	NA	15	mg/L
Total Cyanide	<0.01	<0.01	NA	NA	NA	0.01	mg/L
TDS	**320**	**300**	NA	NA	NA	1000	mg/L
TSS	**15**	<2.5	NA	NA	NA	50	mg/L
Aluminum, Total	**78**	<25	NA	NA	NA	Monitor	ug/L
Arsenic, Total	<2	<4	NA	NA	NA	100	ug/L
Barium, Total	**109**	**89.1**	NA	NA	NA	Monitor	ug/L
Chromium	**5.2**	**1.5 J**	NA	NA	NA	400	ug/L
Copper	**7.2**	**0.83 J**	NA	NA	NA	24	ug/L
Iron	**840**	**79.3**	NA	NA	NA	600	ug/L
Mercury	<0.2	<0.2	NA	NA	NA	0.8	ug/L
Manganese	**358**	**52.2**	NA	NA	NA	Monitor	ug/L
Nickel	**11.8**	**3**	NA	NA	NA	200	ug/L
Zinc	**19.5**	<10	NA	NA	NA	150	ug/L
1,1,1-Trichloroethane	**510 D**	<1	**1**	**760 D**	**5**	10	ug/L
1,1,2-Trichloroethane	**0.3 J**	<1	<1	**0.4 J**	<1	1.2	ug/L
1,1-Dichloroethane	**180**	<1	**31**	**250**	**13**	10	ug/L
1,1-Dichloroethene	**15**	<1	**11**	**19**	**2**	0.5	ug/L
1,2-Dichloroethane	**0.4 J**	<1	<1	**0.6 J**	<1	1.6	ug/L
2-Butanone	<10	**0.9 J**	<10	<10	<10	NL	ug/L
Benzene	<1	<1	<1	<1	<1	1.4	ug/L
Chlorobenzene	<1	<1	<1	<1	<1	10	ug/L
Chloroethane	**0.4 J**	<1	<1	**0.6 J**	**0.8 J**	10	ug/L
cis-1,2-Dichloroethene	**7**	<1	**4**	**13**	**0.9 J**	5	ug/L
Ethylbenzene	<1	<1	<1	<1	<1	10	ug/L
o-Xylene	<1	<1	<1	<1	<1	5	ug/L
m,p-Xylene	<5	<5	<5	<5	<5	10	ug/L
Tetrachloroethene	<1	<1	<1	**0.2 J**	<1	1.4	ug/L
Tertrahydrofuran	<10	**2 J**	<10	<10	<10	NL	ug/L
Toluene	<1	<1	<1	<1	<1	10	ug/L
Trichloroethene	**300**	<1	**45**	**410**	**38**	6	ug/L
Vinyl Chloride	**0.4 J**	<1	**0.3 J**	**0.7 J**	<1	0.6	ug/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 November 2019 O&M Data

NOW Corporation Site
Town of Clinton, New York

Instrumentation/Readings:		11/19/19	Units
TW-1			
	Pumping Rate	0	GPM
	Water Level Above Transducer	14.85	feet
	Flow Meter Reading	9,341,000	gallons
	Pump Pressure	0	psi
TW-2A			
	Pumping Rate	8	GPM
	Water Level Above Transducer	20.57	feet
	Flow Meter Reading	20,342,400	gallons
	Pump Pressure	0	psi
TW-3			
	Pumping Rate	3	GPM
	Water Level Above Transducer	25.69	feet
	Flow Meter Reading	16,923,800	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	234,625	gallons
	Total Effluent Flow	117,586,565	gallons

Table 3
Groundwater Levels
NOW Corporation Site
NYSDEC Site No. 3-14-008
Town of Clinton, New York

Well ID	MP Elevation	11/19/19	
		Depth to Water (Ft below MP)	GW Elevation
MW-1	289.50	13.18	276.32
MW-2	332.51	29.96	302.55
MW-3	312.83	31.87	280.96
MW-3S	312.51	26.69	285.82
MW-4S	298.29	22.45	275.84
MW-4D	298.16	22.28	275.88
MW-5	285.48	19.00	266.48
MW-6S	287.90	8.16	279.74
MW-6D	287.25	10.63	276.62
MW-7S	292.12	24.70	267.42
MW-7D	292.54	57.33	235.21
OW-1	307.75	47.32	260.43
OW-2	305.96	67.00	238.96
OW-3	NA	--	NA
OW-4	NA	--	NA
OW-5	NA	--	NA
OW-6	294.81	5.94	288.87
IW-1	312.46	36.24	276.22
IW-2	304.56	37.43	267.13
MW-8	283.65	--	NA
MW-9	275.37	--	NA
MW-10	280.92	--	NA
MW-11	283.72	--	NA
MW-12S	NA	--	NA
MW-12D	NA	--	NA

Note: NA indicates data are not available.
MP denotes measuring point.

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☑ Final Report
☐ Revised Report

Report Date:
05-Dec-19 16:36

Laboratory Report
SC56816

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

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

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

New York # 11393
USDA # P330-15-00375

Authorized by:

Dawn Wojcik
Laboratory Director

Dawn E Wojcik

NELAP ACCREDITED LABORATORY

Eurofins Spectrum Analytical holds primary NELAC certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes. Please refer to our website for specific certification holdings in each state.
Please note that this report contains 33 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Eurofins Spectrum Analytical, Inc.

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

Sample Summary

Work Order: SC56816

Project: Now Corp - Staatsburg, NY

Project Number: 60276639-1

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SC56816-01	EFF55 111919	Ground Water	19-Nov-19 13:30	20-Nov-19 11:00
SC56816-02	INF 111919	Ground Water	19-Nov-19 13:10	20-Nov-19 11:00
SC56816-03	TW-1 111919	Ground Water	19-Nov-19 13:15	20-Nov-19 11:00
SC56816-04	TW-2A 111919	Ground Water	19-Nov-19 13:25	20-Nov-19 11:00
SC56816-05	TW-3 111919	Ground Water	19-Nov-19 13:20	20-Nov-19 11:00
SC56816-06	Trip Blank	Trip Blank	19-Nov-19 00:00	20-Nov-19 11:00

CASE NARRATIVE:

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

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

The samples were received 2.7 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.

Analysis Specific Comments:
SW-846 8260C, GC/MS Volatiles
Sample #s: 1207432
Sample #s: 1207433, 1207434, 1207435, 1207436
The referenced method allows a maximum of 20% of the analytes in the calibration to exceed the 20% Drift continuing calibration verification criteria. The reported concentration in the associated sample(s) is considered to be estimated. Therefore the result for the following analyte(s) is estimated:
The affected analyte(s) and response(s) are:
Analyte Response (%Drift)
1,1-dichloroethene 22

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

SW-846 6020B

Samples:

SC56816-01 *EFF55 111919*

Continuing Calibration Verification is above QC limit and sample result is ND

Aluminum

SW-846 8260C

Samples:

SC56816-02 *INF 111919*

Exceeded calibration range of the instrument

1,1,1-Trichloroethane

SC56816-04 *TW-2A 111919*

Exceeded calibration range of the instrument

1,1,1-Trichloroethane
Trichloroethene

Sample Acceptance Check Form

Client:	AECOM Environment - Latham, NY
Project:	Now Corp - Staatsburg, NY / 60276639-1
Work Order:	SC56816
Sample(s) received on:	11/20/2019

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

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

Summary of Hits

Lab ID: SC56816-01 **Client ID:** EFF55 111919

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
HEM (oil & grease)	3.5	J	5.0	mg/l	EPA 1664B
Tot. Diss. Solids	300		10	mg/l	SM2540C-11
Barium	0.0891		0.0040	mg/l	SW-846 6020B
Chromium	0.0015	J	0.0040	mg/l	SW-846 6020B
Copper	0.00083	J	0.0020	mg/l	SW-846 6020B
Iron	0.0793		0.0500	mg/l	SW-846 6020B
Manganese	0.0522		0.0040	mg/l	SW-846 6020B
Nickel	0.0030		0.0010	mg/l	SW-846 6020B
2-Butanone	0.9	J	10	ug/l	SW-846 8260C
Acetone	1	J	20	ug/l	SW-846 8260C
Tetrahydrofuran	2	J	10	ug/l	SW-846 8260C

Lab ID: SC56816-02 **Client ID:** INF 111919

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Total Suspended Solids	15		5.0	mg/l	SM 2540D-11
Tot. Diss. Solids	320		10	mg/l	SM2540C-11
Aluminum	0.0780		0.0250	mg/l	SW-846 6020B
Barium	0.109		0.0020	mg/l	SW-846 6020B
Chromium	0.0052		0.0020	mg/l	SW-846 6020B
Copper	0.0072		0.0010	mg/l	SW-846 6020B
Iron	0.840		0.0500	mg/l	SW-846 6020B
Manganese	0.358		0.0020	mg/l	SW-846 6020B
Nickel	0.0118		0.0010	mg/l	SW-846 6020B
Zinc	0.0195		0.0100	mg/l	SW-846 6020B
1,1,1-Trichloroethane	630	E.	1	ug/l	SW-846 8260C
1,1,2-Trichloroethane	0.3	J	1	ug/l	SW-846 8260C
1,1-Dichloroethane	180		1	ug/l	SW-846 8260C
1,1-Dichloroethene	15		1	ug/l	SW-846 8260C
1,2-Dichloroethane	0.4	J	1	ug/l	SW-846 8260C
Chloroethane	0.4	J	1	ug/l	SW-846 8260C
cis-1,2-Dichloroethene	7		1	ug/l	SW-846 8260C
Trichloroethene	300		1	ug/l	SW-846 8260C
Vinyl Chloride	0.4	J	1	ug/l	SW-846 8260C

Lab ID: SC56816-02RE01 **Client ID:** INF 111919

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
1,1,1-Trichloroethane	510		10	ug/l	SW-846 8260C
1,1-Dichloroethane	150		10	ug/l	SW-846 8260C
1,1-Dichloroethene	12		10	ug/l	SW-846 8260C
cis-1,2-Dichloroethene	7	J	10	ug/l	SW-846 8260C
Trichloroethene	250		10	ug/l	SW-846 8260C

Lab ID: SC56816-03 **Client ID:** TW-1 111919

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
1,1,1-Trichloroethane	1		1	ug/l	SW-846 8260C
1,1-Dichloroethane	31		1	ug/l	SW-846 8260C
1,1-Dichloroethene	11		1	ug/l	SW-846 8260C
cis-1,2-Dichloroethene	4		1	ug/l	SW-846 8260C
Trichloroethene	45		1	ug/l	SW-846 8260C
Vinyl Chloride	0.3	J	1	ug/l	SW-846 8260C

Lab ID: SC56816-04 **Client ID:** TW-2A 111919

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
1,1,1-Trichloroethane	940	E.	1	ug/l	SW-846 8260C
1,1,2-Trichloroethane	0.4	J	1	ug/l	SW-846 8260C
1,1-Dichloroethane	250		1	ug/l	SW-846 8260C
1,1-Dichloroethene	19		1	ug/l	SW-846 8260C
1,2-Dichloroethane	0.6	J	1	ug/l	SW-846 8260C
Chloroethane	0.6	J	1	ug/l	SW-846 8260C
cis-1,2-Dichloroethene	13		1	ug/l	SW-846 8260C
Tetrachloroethene	0.2	J	1	ug/l	SW-846 8260C
trans-1,2-Dichloroethene	0.2	J	1	ug/l	SW-846 8260C
Trichloroethene	490	E.	1	ug/l	SW-846 8260C
Vinyl Chloride	0.7	J	1	ug/l	SW-846 8260C

Lab ID: SC56816-04RE01 **Client ID:** TW-2A 111919

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
1,1,1-Trichloroethane	760		10	ug/l	SW-846 8260C
1,1-Dichloroethane	210		10	ug/l	SW-846 8260C
1,1-Dichloroethene	14		10	ug/l	SW-846 8260C
cis-1,2-Dichloroethene	12		10	ug/l	SW-846 8260C
Trichloroethene	410		10	ug/l	SW-846 8260C

Lab ID: SC56816-05 **Client ID:** TW-3 111919

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
1,1,1-Trichloroethane	5		1	ug/l	SW-846 8260C
1,1-Dichloroethane	13		1	ug/l	SW-846 8260C
1,1-Dichloroethene	2		1	ug/l	SW-846 8260C
Chloroethane	0.8	J	1	ug/l	SW-846 8260C
cis-1,2-Dichloroethene	0.9	J	1	ug/l	SW-846 8260C
Trichloroethene	38		1	ug/l	SW-846 8260C

Lab ID: SC56816-06 **Client ID:** Trip Blank

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
t-Butyl alcohol	23	J	50	ug/l	SW-846 8260C

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
EFF55 111919 SC56816-01	60276639-1	Ground Water	19-Nov-19 13:30	20-Nov-19

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	21-Nov-19 12:15	21-Nov-19 12:15	11301	507309A	
Prepared by method SM2540C-11													
*Analysis performed by Phoenix Environmental Labs, Inc. * - CT007*													
	Tot. Diss. Solids	**300**		mg/l	10	10	1	SM2540C-11	21-Nov-19 08:54	21-Nov-19 08:54	11301	507289A	
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	22-Nov-19	25-Nov-19 08:03	11301	507594A	
Subcontracted Analyses													
Prepared by method General Preparation													
Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670													
	HEM (oil & grease)	**3.5**	J	mg/l	5.0	1.4	1	EPA 1664B	25-Nov-19 15:54	25-Nov-19 15:54	10670	32980790	
Subcontracted Analyses													
Prepared by method SW-846 3020A													
Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670													
7429-90-5	Aluminum	< 0.0250	K4	mg/l	0.0250	0.0197	1	SW-846 6020B	25-Nov-19 11:45	26-Nov-19 11:37	10670	26140470	
7440-38-2	Arsenic	< 0.0040		mg/l	0.0040	0.0014	2	"	"	27-Nov-19 13:14	"	"	
7440-39-3	Barium	**0.0891**		mg/l	0.0040	0.0015	2	"	"	"	"	"	
7440-47-3	Chromium	**0.0015**	J	mg/l	0.0040	0.00067	2	"	"	"	"	"	
7440-50-8	Copper	**0.00083**	J	mg/l	0.0020	0.00072	2	"	"	"	"	"	
7439-89-6	Iron	**0.0793**		mg/l	0.0500	0.0228	1	"	"	04-Dec-19 09:33	"	"	
7439-96-5	Manganese	**0.0522**		mg/l	0.0040	0.0013	2	"	"	27-Nov-19 13:14	"	"	
7440-02-0	Nickel	**0.0030**		mg/l	0.0010	0.00060	1	"	"	03-Dec-19 12:45	"	"	
7440-66-6	Zinc	< 0.0100		mg/l	0.0100	0.0062	1	"	"	26-Nov-19 11:37	"	"	
Prepared by method METHOD													
Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670													
7439-97-6	Mercury	< 0.00020		mg/l	0.00020	0.000050	1	SW-846 7470A	23-Nov-19 03:42	25-Nov-19 09:59	10670	32705713	
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	27-Nov-19 13:19	27-Nov-19 13:20	10670	193311A	
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	"	"	"	"	"	

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	27-Nov-19 13:19	27-Nov-19 13:20	10670	193311A	
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	0.9	J	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	1	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 111919 SC56816-01	60276639-1	Ground Water	19-Nov-19 13:30	20-Nov-19

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Subcontracted Analyses													
Subcontracted Analyses													
Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670													
87-68-3	Hexachlorobutadiene	< 5		ug/l	5	2	1	SW-846 8260C	27-Nov-19 13:19	27-Nov-19 13:20	10670	193311A	
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	2	J	ug/l	10	0.7	1	"	"	"	"	"	
108-88-3	Toluene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
110-57-6	trans-1,4-Dichloro-2-butene	< 50		ug/l	50	6	1	"	"	"	"	"	
79-01-6	Trichloroethene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
75-01-4	Vinyl Chloride	< 1		ug/l	1	0.2	1	"	"	"	"	"	
Surrogate recoveries:													
17060-07-0	*1,2-Dichloroethane-d4*	*102*			*80-120 %*			"	"	"	"	"	
460-00-4	*4-Bromofluorobenzene*	*101*			*80-120 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*96*			*80-120 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*98*			*80-120 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
INF 111919	60276639-1	Ground Water	19-Nov-19 13:10	20-Nov-19
SC56816-02				

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	**15**		mg/l	5.0	5.0	1	SM 2540D-11	21-Nov-19 12:15	21-Nov-19 12:15	11301	507309A	
Prepared by method SM2540C-11													
*Analysis performed by Phoenix Environmental Labs, Inc. * - CT007*													
	Tot. Diss. Solids	**320**		mg/l	10	10	1	SM2540C-11	21-Nov-19 08:55	21-Nov-19 08:55	11301	507289A	
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	22-Nov-19	25-Nov-19 08:04	11301	507594A	
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	25-Nov-19 15:54	25-Nov-19 15:54	10670	32980790	
Subcontracted Analyses													
Prepared by method SW-846 3020A													
Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670													
7429-90-5	Aluminum	**0.0780**		mg/l	0.0250	0.0197	1	SW-846 6020B	23-Nov-19 02:56	02-Dec-19 09:21	10670	32614047(	
7440-38-2	Arsenic	< 0.0020		mg/l	0.0020	0.00068	1	"	"	"	"	"	
7440-39-3	Barium	**0.109**		mg/l	0.0020	0.00075	1	"	"	02-Dec-19 12:45	"	"	
7440-47-3	Chromium	**0.0052**		mg/l	0.0020	0.00033	1	"	"	"	"	"	
7440-50-8	Copper	**0.0072**		mg/l	0.0010	0.00036	1	"	"	27-Nov-19 15:17	"	"	
7439-89-6	Iron	**0.840**		mg/l	0.0500	0.0228	1	"	"	02-Dec-19 09:21	"	"	
7439-96-5	Manganese	**0.358**		mg/l	0.0020	0.00063	1	"	"	27-Nov-19 15:17	"	"	
7440-02-0	Nickel	**0.0118**		mg/l	0.0010	0.00060	1	"	"	02-Dec-19 09:21	"	"	
7440-66-6	Zinc	**0.0195**		mg/l	0.0100	0.0062	1	"	"	03-Dec-19 16:46	"	"	
Prepared by method METHOD													
Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670													
7439-97-6	Mercury	< 0.00020		mg/l	0.00020	0.000050	1	SW-846 7470A	23-Nov-19 03:42	25-Nov-19 09:51	10670	32705713	
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	27-Nov-19 13:41	27-Nov-19 13:42	10670	193311A/	
71-55-6	1,1,1-Trichloroethane	**630**	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	**0.3**	J	ug/l	1	0.2	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	**180**		ug/l	1	0.2	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	**15**		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	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
INF 111919	60276639-1	Ground Water	19-Nov-19 13:10	20-Nov-19
SC56816-02				

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													
120-82-1	1,2,4-Trichlorobenzene	< 5		ug/l	5	0.3	1	SW-846 8260C	27-Nov-19 13:41	27-Nov-19 13:42	10670	193311A	
95-63-6	1,2,4-Trimethylbenzene	< 5		ug/l	5	1	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	< 5		ug/l	5	0.3	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	0.4	J	ug/l	1	0.3	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
108-70-3	1,3,5-Trichlorobenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	< 5		ug/l	5	0.3	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
123-91-1	1,4-Dioxane	< 250		ug/l	250	29	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	< 1		ug/l	1	0.3	1	"	"	"	"	"	
78-93-3	2-Butanone	< 10		ug/l	10	0.3	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
591-78-6	2-Hexanone	< 10		ug/l	10	0.3	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
108-10-1	4-Methyl-2-pentanone	< 10		ug/l	10	0.5	1	"	"	"	"	"	
67-64-1	Acetone	< 20		ug/l	20	0.7	1	"	"	"	"	"	
107-13-1	Acrylonitrile	< 20		ug/l	20	0.3	1	"	"	"	"	"	
71-43-2	Benzene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
108-86-1	Bromobenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
74-97-5	Bromochloromethane	< 5		ug/l	5	0.2	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
75-25-2	Bromoform	< 4		ug/l	4	1	1	"	"	"	"	"	
74-83-9	Bromomethane	< 1		ug/l	1	0.3	1	"	"	"	"	"	
75-15-0	Carbon Disulfide	< 5		ug/l	5	0.2	1	"	"	"	"	"	
56-23-5	Carbon Tetrachloride	< 1		ug/l	1	0.2	1	"	"	"	"	"	
108-90-7	Chlorobenzene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
75-00-3	Chloroethane	0.4	J	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	"	"	"	"	"	

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													
76-13-1	Freon 113	< 10		ug/l	10	0.2	1	SW-846 8260C	27-Nov-19 13:41	27-Nov-19 13:42	10670	193311A	
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	**300**		ug/l	1	0.2	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
75-01-4	Vinyl Chloride	**0.4**	J	ug/l	1	0.2	1	"	"	"	"	"	
Surrogate recoveries:													
17060-07-0	*1,2-Dichloroethane-d4*	*102*			*80-120 %*			"	"	"	"	"	
460-00-4	*4-Bromofluorobenzene*	*100*			*80-120 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*99*			*80-120 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*98*			*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	27-Nov-19 14:03	27-Nov-19 14:04	10670	193311A	
71-55-6	1,1,1-Trichloroethane	**510**		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	**150**		ug/l	10	2	10	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	**12**		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	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
INF 111919	60276639-1	Ground Water	19-Nov-19 13:10	20-Nov-19
SC56816-02				

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													
95-63-6	1,2,4-Trimethylbenzene	< 50		ug/l	50	10	10	SW-846 8260C	27-Nov-19 14:03	27-Nov-19 14:04	10670	193311A	
96-12-8	1,2-Dibromo-3-chloropropane	< 50		ug/l	50	3	10	"	"	"	"	"	
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	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
INF 111919 SC56816-02	60276639-1	Ground Water	19-Nov-19 13:10	20-Nov-19

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													
87-68-3	Hexachlorobutadiene	< 50		ug/l	50	20	10	SW-846 8260C	27-Nov-19 14:03	27-Nov-19 14:04	10670	193311A	
98-82-8	Isopropylbenzene	< 50		ug/l	50	2	10	"	"	"	"	"	
179601-23-1	m+p-Xylene	< 50		ug/l	50	10	10	"	"	"	"	"	
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	**250**		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*	*100*			*80-120 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*100*			*80-120 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*98*			*80-120 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TW-1 111919 SC56816-03	60276639-1	Ground Water	19-Nov-19 13:15	20-Nov-19

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Subcontracted Analyses													
Subcontracted Analyses Prepared by method SW-846 5030C													
Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670													
630-20-6	1,1,1,2-Tetrachloroethane	< 1		ug/l	1	0.2	1	SW-846 8260C	27-Nov-19 14:25	27-Nov-19 14:26	10670	193311A	
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	31		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	"	"	"	"	"	
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 111919	60276639-1	Ground Water	19-Nov-19 13:15	20-Nov-19
SC56816-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Subcontracted Analyses													
Subcontracted Analyses													
Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670													
156-59-2	cis-1,2-Dichloroethene	**4**		ug/l	1	0.2	1	SW-846 8260C	27-Nov-19 14:25	27-Nov-19 14:26	10670	193311A	
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	**45**		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*	*106*			*80-120 %*			"	"	"	"	"	
460-00-4	*4-Bromofluorobenzene*	*101*			*80-120 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*100*			*80-120 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*98*			*80-120 %*			"	"	"	"	"	

Subcontracted Analyses

Subcontracted Analyses
Prepared by method SW-846 5030C

Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
630-20-6	1,1,1,2-Tetrachloroethane	< 1		ug/l	1	0.2	1	SW-846 8260C	27-Nov-19 14:47	27-Nov-19 14:48	10670	193311A	
71-55-6	1,1,1-Trichloroethane	**940**	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	**0.4**	J	ug/l	1	0.2	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	**250**		ug/l	1	0.2	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	**19**		ug/l	1	0.2	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	< 5		ug/l	5	0.4	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	< 5		ug/l	5	0.2	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	< 5		ug/l	5	0.3	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	< 5		ug/l	5	1	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	< 5		ug/l	5	0.3	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	**0.6**	J	ug/l	1	0.3	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
108-70-3	1,3,5-Trichlorobenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	< 5		ug/l	5	0.3	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
123-91-1	1,4-Dioxane	< 250		ug/l	250	29	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	< 1		ug/l	1	0.3	1	"	"	"	"	"	
78-93-3	2-Butanone	< 10		ug/l	10	0.3	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
591-78-6	2-Hexanone	< 10		ug/l	10	0.3	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
108-10-1	4-Methyl-2-pentanone	< 10		ug/l	10	0.5	1	"	"	"	"	"	
67-64-1	Acetone	< 20		ug/l	20	0.7	1	"	"	"	"	"	
107-13-1	Acrylonitrile	< 20		ug/l	20	0.3	1	"	"	"	"	"	
71-43-2	Benzene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
108-86-1	Bromobenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
74-97-5	Bromochloromethane	< 5		ug/l	5	0.2	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
75-25-2	Bromoform	< 4		ug/l	4	1	1	"	"	"	"	"	
74-83-9	Bromomethane	< 1		ug/l	1	0.3	1	"	"	"	"	"	
75-15-0	Carbon Disulfide	< 5		ug/l	5	0.2	1	"	"	"	"	"	
56-23-5	Carbon Tetrachloride	< 1		ug/l	1	0.2	1	"	"	"	"	"	
108-90-7	Chlorobenzene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
75-00-3	Chloroethane	**0.6**	J	ug/l	1	0.2	1	"	"	"	"	"	
67-66-3	Chloroform	< 1		ug/l	1	0.2	1	"	"	"	"	"	
74-87-3	Chloromethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TW-2A 111919	60276639-1	Ground Water	19-Nov-19 13:25	20-Nov-19
SC56816-04				

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	**13**		ug/l	1	0.2	1	SW-846 8260C	27-Nov-19 14:47	27-Nov-19 14:48	10670	193311A	
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	**0.2**	J	ug/l	1	0.2	1	"	"	"	"	"	
109-99-9	Tetrahydrofuran	< 10		ug/l	10	0.7	1	"	"	"	"	"	
108-88-3	Toluene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	**0.2**	J	ug/l	1	0.2	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
110-57-6	trans-1,4-Dichloro-2-butene	< 50		ug/l	50	6	1	"	"	"	"	"	
79-01-6	Trichloroethene	**490**	E.	ug/l	1	0.2	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
75-01-4	Vinyl Chloride	**0.7**	J	ug/l	1	0.2	1	"	"	"	"	"	
Surrogate recoveries:													
17060-07-0	*1,2-Dichloroethane-d4*	*104*			*80-120 %*			"	"	"	"	"	
460-00-4	*4-Bromofluorobenzene*	*99*			*80-120 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*98*			*80-120 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*98*			*80-120 %*			"	"	"	"	"	

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TW-2A 111919	60276639-1	Ground Water	19-Nov-19 13:25	20-Nov-19
SC56816-04				

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	< 10		ug/l	10	2	10	SW-846 8260C	27-Nov-19 15:09	27-Nov-19 15:10	10670	193311A	
71-55-6	1,1,1-Trichloroethane	**760**		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	**210**		ug/l	10	2	10	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	**14**		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	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	< 50		ug/l	50	3	10	"	"	"	"	"	
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	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TW-2A 111919	60276639-1	Ground Water	19-Nov-19 13:25	20-Nov-19
SC56816-04				

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	**12**		ug/l	10	2	10	SW-846 8260C	27-Nov-19 15:09	27-Nov-19 15:10	10670	193311A	
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	"	"	"	"	"	
179601-23-1	m+p-Xylene	< 50		ug/l	50	10	10	"	"	"	"	"	
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-buten e	< 500		ug/l	500	60	10	"	"	"	"	"	
79-01-6	Trichloroethene	**410**		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*	*100*			*80-120 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*100*			*80-120 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*97*			*80-120 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TW-3 111919 SC56816-05	60276639-1	Ground Water	19-Nov-19 13:20	20-Nov-19

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Subcontracted Analyses													
Subcontracted Analyses Prepared by method SW-846 5030C													
Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670													
630-20-6	1,1,1,2-Tetrachloroethane	< 1		ug/l	1	0.2	1	SW-846 8260C	27-Nov-19 15:31	27-Nov-19 15:32	10670	193311A	
71-55-6	1,1,1-Trichloroethane	**5**		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	**13**		ug/l	1	0.2	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	**2**		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	**0.8**	J	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 111919 SC56816-05	60276639-1	Ground Water	19-Nov-19 13:20	20-Nov-19

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Subcontracted Analyses													
Subcontracted Analyses													
Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670													
156-59-2	cis-1,2-Dichloroethene	**0.9**	J	ug/l	1	0.2	1	SW-846 8260C	27-Nov-19 15:31	27-Nov-19 15:32	10670	193311A	
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	**38**		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*	*104*			*80-120 %*			"	"	"	"	"	
460-00-4	*4-Bromofluorobenzene*	*101*			*80-120 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*100*			*80-120 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*98*			*80-120 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Trip Blank	60276639-1	Trip Blank	19-Nov-19 00:00	20-Nov-19
SC56816-06				

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	27-Nov-19 12:35	27-Nov-19 12:36	10670	193311A	
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	< 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
Trip Blank SC56816-06	60276639-1	Trip Blank	19-Nov-19 00:00	20-Nov-19

Subcontracted Analyses

Subcontracted Analyses

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.
156-59-2	cis-1,2-Dichloroethene	< 1		ug/l	1	0.2	1	SW-846 8260C	27-Nov-19 12:35	27-Nov-19 12:36	10670	193311A	
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	23	J	ug/l	50	12	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	< 5		ug/l	5	0.3	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
109-99-9	Tetrahydrofuran	< 10		ug/l	10	0.7	1	"	"	"	"	"	
108-88-3	Toluene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
110-57-6	trans-1,4-Dichloro-2-butene	< 50		ug/l	50	6	1	"	"	"	"	"	
79-01-6	Trichloroethene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
75-01-4	Vinyl Chloride	< 1		ug/l	1	0.2	1	"	"	"	"	"	
Surrogate recoveries:													
17060-07-0	*1,2-Dichloroethane-d4*	*101*			*80-120 %*			"	"	"	"	"	
460-00-4	*4-Bromofluorobenzene*	*101*			*80-120 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*97*			*80-120 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*98*			*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 507309A - SM 2540D-11										
Blank (CE64159-BLK)					Prepared & Analyzed: 21-Nov-19					
Total Suspended Solids	< 2.5		mg/l	2.5	48		BRL	-		
LCS (CE64159-LCS)					Prepared & Analyzed: 21-Nov-19					
Total Suspended Solids	**52.00**		mg/l	2.5	48		108	85-115		20
SM2540C-11										
Batch 507289A - SM2540C-11										
Blank (CE64328-BLK)					Prepared & Analyzed: 21-Nov-19					
Tot. Diss. Solids	< 10		mg/l	10	602		BRL	-		
Duplicate (CE64328-DUP)			**Source: SC56816-01**		Prepared & Analyzed: 21-Nov-19					
Tot. Diss. Solids	**310**		mg/l	10	602			-	3.3	20
LCS (CE64328-LCS)					Prepared & Analyzed: 21-Nov-19					
Tot. Diss. Solids	**596.0**		mg/l	10	602		99	85-115		20
SW9010C/SW9012B										
Batch 507594A - SM 4500 CN										
Blank (CE64369-BLK)					Prepared: 22-Nov-19 Analyzed: 25-Nov-19					
Total Cyanide	< 0.010		mg/l	0.010			BRL	-		
LCS (CE64369-LCS)					Prepared: 22-Nov-19 Analyzed: 25-Nov-19					
Total Cyanide	**0.4130**		mg/l	0.010	0.429		96.3	90-110		20

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
EPA 1664B										
Batch 19329807901A - General Preparation										
Blank (B329101B)						Prepared & Analyzed: 25-Nov-19				
HEM (oil & grease)	< 5.0		mg/l	5.0				-		
LCS (L329101Q)						Prepared & Analyzed: 25-Nov-19				
HEM (oil & grease)	**37.1**		mg/l	5.0	40.0		93	78-114		
LCS Dup (L329101Y)						Prepared & Analyzed: 25-Nov-19				
HEM (oil & grease)	**38.0**		mg/l	5.0	40.0		95	78-114	2	13
SW-846 6020B										
Batch 193261404703A - SW-846 3020A										
Blank (P32604CBB)						Prepared: 25-Nov-19 Analyzed: 26-Nov-19				
Copper	< 0.0010		mg/l	0.0010				-		
Iron	< 0.0500		mg/l	0.0500				-		
Chromium	**0.00056**		mg/l	0.0020				-		
Zinc	< 0.0100		mg/l	0.0100				-		
Arsenic	< 0.0020		mg/l	0.0020				-		
Aluminum	< 0.0250		mg/l	0.0250				-		
Nickel	< 0.0010		mg/l	0.0010				-		
Barium	< 0.0020		mg/l	0.0020				-		
Manganese	< 0.0020		mg/l	0.0020				-		
LCS (P32604CQQ)						Prepared: 25-Nov-19 Analyzed: 27-Nov-19				
Iron	**0.303**		mg/l	0.0500	0.300		101	87-114		
Barium	**0.0485**		mg/l	0.0020	0.0500		97	80-120		
Copper	**0.0519**		mg/l	0.0010	0.0500		104	89-120		
Zinc	**0.531**		mg/l	0.0100	0.500		106	90-115		
Chromium	**0.0510**		mg/l	0.0020	0.0500		102	90-115		
Nickel	**0.0506**		mg/l	0.0010	0.0500		101	90-114		
Manganese	**0.0489**		mg/l	0.0020	0.0500		98	89-120		
Arsenic	**0.0102**		mg/l	0.0020	0.0100		102	85-120		
Aluminum	**0.212**		mg/l	0.0250	0.200		106	88-114		
Batch 193261404704A - SW-846 3020A										
Blank (P32604DBB)						Prepared: 23-Nov-19 Analyzed: 27-Nov-19				
Zinc	< 0.0100		mg/l	0.0100				-		
Chromium	< 0.0020		mg/l	0.0020				-		
Copper	< 0.0010		mg/l	0.0010				-		
Iron	< 0.0500		mg/l	0.0500				-		
Aluminum	< 0.0250		mg/l	0.0250				-		
Manganese	< 0.0020		mg/l	0.0020				-		
Arsenic	< 0.0020		mg/l	0.0020				-		
Nickel	< 0.0010		mg/l	0.0010				-		
Barium	< 0.0020		mg/l	0.0020				-		
LCS (P32604DQQ)						Prepared: 23-Nov-19 Analyzed: 02-Dec-19				
Aluminum	**0.198**		mg/l	0.0250	0.200		99	88-114		
Nickel	**0.0511**		mg/l	0.0010	0.0500		102	90-114		
Manganese	**0.0557**		mg/l	0.0020	0.0500		111	89-120		
Copper	**0.0521**		mg/l	0.0010	0.0500		104	89-120		
Chromium	**0.0537**		mg/l	0.0020	0.0500		107	90-115		
Barium	**0.0489**		mg/l	0.0020	0.0500		98	80-120		
Iron	**0.308**		mg/l	0.0500	0.300		103	87-114		
Arsenic	**0.0098**		mg/l	0.0020	0.0100		98	85-120		
Zinc	**0.511**		mg/l	0.0100	0.500		102	90-115		
SW-846 7470A										

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW-846 7470A										
Batch 193270571302 - METHOD										
Duplicate (P207433D220953)			**Source: SC56816-02**			Prepared: 23-Nov-19 Analyzed: 25-Nov-19				
Mercury	< 0.00020		mg/l	0.00020		BDL		-	0	20
Matrix Spike Dup (P207433M220957)			**Source: SC56816-02**			Prepared: 23-Nov-19 Analyzed: 25-Nov-19				
Mercury	**0.00099**		mg/l	0.00020	0.0010	BDL	99	80-120	2	20
Matrix Spike (P207433R220955)			**Source: SC56816-02**			Prepared: 23-Nov-19 Analyzed: 25-Nov-19				
Mercury	**0.00097**		mg/l	0.00020	0.0010	BDL	97	80-120		
Blank (P32771BBB)						Prepared: 23-Nov-19 Analyzed: 25-Nov-19				
Mercury	**0.000058**		mg/l	0.00020				-		
LCS (P32771BQQ)						Prepared: 23-Nov-19 Analyzed: 25-Nov-19				
Mercury	**0.0010**		mg/l	0.00020	0.0010		100	80-110		
SW-846 8260C										
Batch L193311AA - SW-846 5030C										
LCS (LCSL94Q)						Prepared & Analyzed: 27-Nov-19				
m+p-Xylene	**42**		ug/l	5	40		105	80-120		
Chloromethane	**17**		ug/l	1	20		84	56-121		
Chloroform	**21**		ug/l	1	20		105	80-120		
Chloroethane	**17**		ug/l	1	20		86	55-123		
Chlorobenzene	**21**		ug/l	1	20		103	80-120		
Bromobenzene	**20**		ug/l	5	20		100	80-120		
Carbon Tetrachloride	**19**		ug/l	1	20		97	64-134		
Carbon Disulfide	**17**		ug/l	5	20		86	65-128		
cis-1,2-Dichloroethene	**22**		ug/l	1	20		110	80-125		
Bromomethane	**16**		ug/l	1	20		82	53-128		
Bromoform	**17**		ug/l	4	20		84	51-120		
Bromodichloromethane	**20**		ug/l	1	20		102	71-120		
Bromochloromethane	**19**		ug/l	5	20		94	80-120		
cis-1,3-Dichloropropene	**21**		ug/l	1	20		104	75-120		
Dibromochloromethane	**20**		ug/l	1	20		98	71-120		
Dibromomethane	**20**		ug/l	1	20		102	80-120		
Dichlorodifluoromethane	**14**		ug/l	1	20		70	41-127		
di-Isopropyl ether	**19**		ug/l	1	20		96	70-124		
Ethyl ether	**20**		ug/l	5	20		99	59-141		
Ethyl t-butyl ether	**19**		ug/l	1	20		94	68-121		
Ethylbenzene	**21**		ug/l	1	20		104	80-120		
Freon 113	**18**		ug/l	10	20		91	73-139		
Isopropylbenzene	**21**		ug/l	5	20		106	80-120		
Methyl Tertiary Butyl Ether	**18**		ug/l	1	20		91	69-122		
Methylene Chloride	**21**		ug/l	1	20		106	80-120		
Benzene	**21**		ug/l	1	20		105	80-120		
1,1,2-Trichloroethane	**21**		ug/l	1	20		105	80-120		
Hexachlorobutadiene	**16**		ug/l	5	20		82	63-120		
1,2-Dichloroethane	**21**		ug/l	1	20		103	73-124		
1,1,1,2-Tetrachloroethane	**20**		ug/l	1	20		98	78-120		
1,1,1-Trichloroethane	**20**		ug/l	1	20		100	67-126		
1,1,2,2-Tetrachloroethane	**20**		ug/l	1	20		102	72-120		
1,4-Dioxane	**510**		ug/l	250	500		102	63-146		
1,1-Dichloroethane	**20**		ug/l	1	20		102	80-120		
Naphthalene	**20**		ug/l	5	20		99	53-124		
1,1-Dichloropropene	**20**		ug/l	5	20		102	78-120		
1,2,3-Trichlorobenzene	**19**		ug/l	5	20		93	66-120		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW-846 8260C										
Batch L193311AA - SW-846 5030C										
LCS (LCSL94Q)					Prepared & Analyzed: 27-Nov-19					
1,2,3-Trichloropropane	**20**		ug/l	5	20		100	75-124		
1,2,4-Trichlorobenzene	**19**		ug/l	5	20		93	63-120		
1,2,4-Trimethylbenzene	**21**		ug/l	5	20		104	75-120		
1,2-Dibromo-3-chloropropane	**19**		ug/l	5	20		96	47-131		
1,1-Dichloroethene	**21**		ug/l	1	20		103	80-131		
1,2-Dichlorobenzene	**20**		ug/l	5	20		102	80-120		
Acrylonitrile	**100**		ug/l	20	100		100	60-129		
1,2-Dichloropropane	**21**		ug/l	1	20		107	80-120		
1,3,5-Trichlorobenzene	**19**		ug/l	5	20		95	66-123		
1,3,5-Trimethylbenzene	**21**		ug/l	5	20		107	75-120		
1,3-Dichlorobenzene	**20**		ug/l	5	20		102	80-120		
1,4-Dichlorobenzene	**20**		ug/l	5	20		102	80-120		
2,2-Dichloropropane	**20**		ug/l	1	20		100	55-142		
2-Butanone	**140**		ug/l	10	150		96	59-135		
2-Chlorotoluene	**20**		ug/l	5	20		102	80-120		
2-Hexanone	**92**		ug/l	10	100		92	56-135		
4-Chlorotoluene	**21**		ug/l	5	20		103	80-120		
4-Methyl-2-pentanone	**95**		ug/l	10	100		95	62-133		
Acetone	**150**		ug/l	20	150		102	54-157		
1,2-Dibromoethane	**20**		ug/l	1	20		102	77-120		
1,3-Dichloropropane	**20**		ug/l	1	20		100	80-120		
n-Butylbenzene	**20**		ug/l	5	20		102	76-120		
Vinyl Chloride	**17**		ug/l	1	20		84	56-120		
Trichlorofluoromethane	**19**		ug/l	1	20		93	55-135		
Trichloroethene	**21**		ug/l	1	20		104	80-120		
trans-1,4-Dichloro-2-butene	**95**		ug/l	50	100		95	33-143		
trans-1,3-Dichloropropene	**20**		ug/l	1	20		99	67-120		
trans-1,2-Dichloroethene	**21**		ug/l	1	20		104	80-126		
Toluene	**21**		ug/l	1	20		105	80-120		
Tetrahydrofuran	**100**		ug/l	10	100		104	54-144		
o-Xylene	**21**		ug/l	1	20		103	80-120		
tert-Butylbenzene	**21**		ug/l	5	20		103	78-120		
Tetrachloroethene	**20**		ug/l	1	20		100	80-120		
t-Butyl alcohol	**200**		ug/l	50	200		99	60-130		
t-Amyl methyl ether	**19**		ug/l	5	20		96	66-120		
Styrene	**21**		ug/l	5	20		104	80-120		
sec-Butylbenzene	**21**		ug/l	5	20		106	77-120		
p-Isopropyltoluene	**21**		ug/l	5	20		105	76-120		
n-Propylbenzene	**22**		ug/l	5	20		109	79-121		
Surrogate: 4-Bromofluorobenzene	*51*		ug/l		*50*		*102*	*80-120*		
Surrogate: 1,2-Dichloroethane-d4	*51*		ug/l		*50*		*102*	*80-120*		
Surrogate: Dibromofluoromethane	*49*		ug/l		*50*		*97*	*80-120*		
Surrogate: Toluene-d8	*50*		ug/l		*50*		*99*	*80-120*		
LCS Dup (LCSL94Y)					Prepared & Analyzed: 27-Nov-19					
Tetrahydrofuran	**110**		ug/l	10	100		112	54-144	7	30
n-Butylbenzene	**21**		ug/l	5	20		105	76-120	3	30
n-Propylbenzene	**23**		ug/l	5	20		113	79-121	4	30
o-Xylene	**22**		ug/l	1	20		109	80-120	6	30
p-Isopropyltoluene	**22**		ug/l	5	20		108	76-120	3	30
sec-Butylbenzene	**22**		ug/l	5	20		110	77-120	3	30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW-846 8260C										
Batch L193311AA - SW-846 5030C										
LCS Dup (LCSL94Y)					Prepared & Analyzed: 27-Nov-19					
Naphthalene	**20**		ug/l	5	20		101	53-124	2	30
Styrene	**22**		ug/l	5	20		109	80-120	5	30
t-Amyl methyl ether	**20**		ug/l	5	20		99	66-120	4	30
t-Butyl alcohol	**210**		ug/l	50	200		104	60-130	4	30
Methylene Chloride	**22**		ug/l	1	20		111	80-120	5	30
Tetrachloroethene	**22**		ug/l	1	20		108	80-120	7	30
Ethyl ether	**21**		ug/l	5	20		107	59-141	8	30
Toluene	**22**		ug/l	1	20		109	80-120	4	30
trans-1,2-Dichloroethene	**21**		ug/l	1	20		107	80-126	3	30
trans-1,3-Dichloropropene	**20**		ug/l	1	20		102	67-120	3	30
trans-1,4-Dichloro-2-butene	**97**		ug/l	50	100		97	33-143	2	30
Trichloroethene	**22**		ug/l	1	20		109	80-120	4	30
tert-Butylbenzene	**21**		ug/l	5	20		105	78-120	2	30
Bromomethane	**18**		ug/l	1	20		88	53-128	6	30
Carbon Disulfide	**18**		ug/l	5	20		90	65-128	5	30
Carbon Tetrachloride	**20**		ug/l	1	20		101	64-134	4	30
Chlorobenzene	**22**		ug/l	1	20		108	80-120	5	30
Chloroethane	**18**		ug/l	1	20		91	55-123	6	30
Chloroform	**22**		ug/l	1	20		109	80-120	4	30
Chloromethane	**17**		ug/l	1	20		86	56-121	3	30
cis-1,2-Dichloroethene	**23**		ug/l	1	20		115	80-125	5	30
cis-1,3-Dichloropropene	**22**		ug/l	1	20		108	75-120	4	30
Ethylbenzene	**22**		ug/l	1	20		109	80-120	5	30
Dibromomethane	**22**		ug/l	1	20		108	80-120	5	30
Methyl Tertiary Butyl Ether	**19**		ug/l	1	20		94	69-122	3	30
Trichlorofluoromethane	**19**		ug/l	1	20		97	55-135	4	30
di-Isopropyl ether	**20**		ug/l	1	20		100	70-124	5	30
Ethyl t-butyl ether	**20**		ug/l	1	20		98	68-121	3	30
Dichlorodifluoromethane	**15**		ug/l	1	20		74	41-127	6	30
Freon 113	**19**		ug/l	10	20		96	73-139	6	30
Hexachlorobutadiene	**17**		ug/l	5	20		83	63-120	1	30
Isopropylbenzene	**22**		ug/l	5	20		111	80-120	5	30
m+p-Xylene	**44**		ug/l	5	40		111	80-120	5	30
Dibromochloromethane	**20**		ug/l	1	20		101	71-120	3	30
1,2,3-Trichlorobenzene	**19**		ug/l	5	20		93	66-120	0	30
1,3-Dichlorobenzene	**21**		ug/l	5	20		105	80-120	2	30
1,3,5-Trimethylbenzene	**22**		ug/l	5	20		111	75-120	4	30
1,3,5-Trichlorobenzene	**19**		ug/l	5	20		96	66-123	1	30
1,2-Dichloropropane	**22**		ug/l	1	20		112	80-120	4	30
1,2-Dichloroethane	**22**		ug/l	1	20		108	73-124	4	30
1,2-Dichlorobenzene	**21**		ug/l	5	20		106	80-120	4	30
1,2-Dibromoethane	**21**		ug/l	1	20		106	77-120	5	30
1,3-Dichloropropane	**21**		ug/l	1	20		106	80-120	5	30
1,2,3-Trichloropropane	**21**		ug/l	5	20		104	75-124	3	30
1,2-Dibromo-3-chloropropane	**20**		ug/l	5	20		99	47-131	4	30
1,1-Dichloropropene	**21**		ug/l	5	20		107	78-120	5	30
1,1-Dichloroethene	**21**		ug/l	1	20		107	80-131	3	30
1,1-Dichloroethane	**22**		ug/l	1	20		108	80-120	5	30
1,1,2-Trichloroethane	**22**		ug/l	1	20		110	80-120	5	30
1,1,2,2-Tetrachloroethane	**22**		ug/l	1	20		109	72-120	6	30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW-846 8260C										
Batch L193311AA - SW-846 5030C										
LCS Dup (LCSL94Y)						Prepared & Analyzed: 27-Nov-19				
1,1,1-Trichloroethane	**21**		ug/l	1	20		104	67-126	4	30
1,1,1,2-Tetrachloroethane	**21**		ug/l	1	20		104	78-120	6	30
1,2,4-Trimethylbenzene	**22**		ug/l	5	20		108	75-120	4	30
Bromodichloromethane	**21**		ug/l	1	20		106	71-120	4	30
Vinyl Chloride	**18**		ug/l	1	20		90	56-120	6	30
1,2,4-Trichlorobenzene	**19**		ug/l	5	20		94	63-120	1	30
Bromoform	**18**		ug/l	4	20		88	51-120	5	30
1,4-Dichlorobenzene	**21**		ug/l	5	20		106	80-120	4	30
Bromochloromethane	**19**		ug/l	5	20		96	80-120	2	30
Bromobenzene	**20**		ug/l	5	20		102	80-120	3	30
Benzene	**22**		ug/l	1	20		110	80-120	5	30
Acrylonitrile	**100**		ug/l	20	100		105	60-129	4	30
Acetone	**160**		ug/l	20	150		109	54-157	7	30
2-Butanone	**150**		ug/l	10	150		101	59-135	4	30
2,2-Dichloropropane	**21**		ug/l	1	20		104	55-142	5	30
2-Chlorotoluene	**21**		ug/l	5	20		106	80-120	4	30
2-Hexanone	**95**		ug/l	10	100		95	56-135	4	30
4-Chlorotoluene	**21**		ug/l	5	20		106	80-120	3	30
4-Methyl-2-pentanone	**99**		ug/l	10	100		99	62-133	4	30
1,4-Dioxane	**540**		ug/l	250	500		108	63-146	6	30
Surrogate: 4-Bromofluorobenzene	*51*		ug/l		*50*		*102*	*80-120*		
Surrogate: 1,2-Dichloroethane-d4	*51*		ug/l		*50*		*102*	*80-120*		
Surrogate: Toluene-d8	*50*		ug/l		*50*		*100*	*80-120*		
Surrogate: Dibromofluoromethane	*49*		ug/l		*50*		*97*	*80-120*		
LCS (LCSL95Q)						Prepared & Analyzed: 27-Nov-19				
Ethanol	**410**		ug/l	750	500		83	31-180		
LCS Dup (LCSL95Y)						Prepared & Analyzed: 27-Nov-19				
Ethanol	**420**		ug/l	750	500		83	31-180	1	30
Blank (VBLKL94B)						Prepared & Analyzed: 27-Nov-19				
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				-		
1,2-Dibromoethane	< 1		ug/l	1				-		
1,2-Dichlorobenzene	< 5		ug/l	5				-		
1,2-Dichloroethane	< 1		ug/l	1				-		
1,2,3-Trichloropropane	< 5		ug/l	5				-		
1,1,1,2-Tetrachloroethane	< 1		ug/l	1				-		
1,2-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				-		
1,1,2-Trichloroethane	< 1		ug/l	1				-		
Dichlorodifluoromethane	< 1		ug/l	1				-		
1,1,1-Trichloroethane	< 1		ug/l	1				-		
1,3,5-Trichlorobenzene	< 5		ug/l	5				-		
1,1,2,2-Tetrachloroethane	< 1		ug/l	1				-		
sec-Butylbenzene	< 5		ug/l	5				-		
Ethyl ether	< 5		ug/l	5				-		
Ethyl t-butyl ether	< 1		ug/l	1				-		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW-846 8260C										
Batch L193311AA - SW-846 5030C										
Blank (VBLKL94B)						Prepared & Analyzed: 27-Nov-19				
Ethylbenzene	< 1		ug/l	1				-		
Freon 113	< 10		ug/l	10				-		
Hexachlorobutadiene	< 5		ug/l	5				-		
Isopropylbenzene	< 5		ug/l	5				-		
m+p-Xylene	< 5		ug/l	5				-		
Methyl Tertiary Butyl Ether	< 1		ug/l	1				-		
Methylene Chloride	< 1		ug/l	1				-		
Naphthalene	< 5		ug/l	5				-		
n-Butylbenzene	< 5		ug/l	5				-		
n-Propylbenzene	< 5		ug/l	5				-		
di-Isopropyl ether	< 1		ug/l	1				-		
p-Isopropyltoluene	< 5		ug/l	5				-		
Dibromomethane	< 1		ug/l	1				-		
Styrene	< 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				-		
Vinyl Chloride	< 1		ug/l	1				-		
o-Xylene	< 1		ug/l	1				-		
Bromobenzene	< 5		ug/l	5				-		
1,3-Dichlorobenzene	< 5		ug/l	5				-		
1,3-Dichloropropane	< 1		ug/l	1				-		
1,4-Dichlorobenzene	< 5		ug/l	5				-		
1,4-Dioxane	< 250		ug/l	250				-		
2,2-Dichloropropane	< 1		ug/l	1				-		
2-Butanone	< 10		ug/l	10				-		
2-Chlorotoluene	< 5		ug/l	5				-		
2-Hexanone	< 10		ug/l	10				-		
4-Chlorotoluene	< 5		ug/l	5				-		
4-Methyl-2-pentanone	< 10		ug/l	10				-		
Acetone	< 20		ug/l	20				-		
Ethanol	< 750		ug/l	750				-		
Benzene	< 1		ug/l	1				-		
1,3,5-Trimethylbenzene	< 5		ug/l	5				-		
Chloroethane	< 1		ug/l	1				-		
Dibromochloromethane	< 1		ug/l	1				-		
cis-1,3-Dichloropropene	< 1		ug/l	1				-		
cis-1,2-Dichloroethene	< 1		ug/l	1				-		
Chloromethane	< 1		ug/l	1				-		
Acrylonitrile	< 20		ug/l	20				-		
Chloroform	< 1		ug/l	1				-		
Bromochloromethane	< 5		ug/l	5				-		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW-846 8260C										
Batch L193311AA - SW-846 5030C										
Blank (VBLKL94B)						Prepared & Analyzed: 27-Nov-19				
Chlorobenzene	< 1		ug/l	1				-		
Carbon Tetrachloride	< 1		ug/l	1				-		
Carbon Disulfide	< 5		ug/l	5				-		
Bromomethane	< 1		ug/l	1				-		
Bromoform	< 4		ug/l	4				-		
Bromodichloromethane	< 1		ug/l	1				-		
Surrogate: 4-Bromofluorobenzene	*51*		ug/l		*50*		*101*	*80-120*		
Surrogate: 1,2-Dichloroethane-d4	*51*		ug/l		*50*		*102*	*80-120*		
Surrogate: Dibromofluoromethane	*49*		ug/l		*50*		*98*	*80-120*		
Surrogate: Toluene-d8	*49*		ug/l		*50*		*98*	*80-120*		

Notes and Definitions

E.	Exceeded calibration range of the instrument
J	Estimated value
K4	Continuing Calibration Verification is above QC limit and sample result is ND
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 3535

SC56816 EM

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: Stephen Choiniere

Invoice To: Same

P.O No.: _____ Quote #: _____

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

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

DW=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	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	8260	Metals*	TSS/TDS	O+G	Cyanide	Check if chlorinated
SC56816 01	EFF55 111919	11/19/19	1330	G	GW	3	1		4	X	X	X	X	X	☐
02	INF 111919		1310				1		4		X	X	X	X	☐
03	TW-1 111919		1315												☐
04	TW-2A 111919		1325												☐
05	TW-3 111919		1320												☐
06	Trip Blank 111919	—	—	—	—	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:

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

Relinquished by:	Received by:	Date:	Time:
[signature]	FedEx	11/19/19	1638
FedEx	[signature]	11/20/19	1100

Temp °C: Observed 2.7 | Correction Factor 0 | Corrected 2.7 | IR ID # 01

☐ EDD format: _____
☐ E-mail to: _____

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

00035

00200

FedEx Express Package US Airbill

FedEx Tracking Number 8088 8989 3535

MUR3

Form ID No. 0215

Recipient's Copy

1 From

Date 11/19/19

Sender's Name Steve Gray Phone 518 951-2200

Company AECOM TECHNICAL SERVICES

Address 40 BRITISH AMERICAN BLVD

Dept./Floor/Suite/Room

City LATHAM State NY ZIP 12110-1421

2 Your Internal Billing Reference 60276639-1

3 To

Recipient's Name Attn: Sample Receipt Phone 413789-9018

Company Eurofins Spectrum Analytical

Address 11 Almgren Dr.

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept./Floor/Suite/Room

Address

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

City Agawam State MA ZIP 01001

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

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

0120406210

8088 8989 3535

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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23695

05667048

Batch Summary

193261404703A

Subcontracted Analyses

P32604CBB
P32604CQQ
SC56816-01 (EFF55 111919)

193261404704A

Subcontracted Analyses

P32604DBB
P32604DQQ
SC56816-02 (INF 111919)

193270571302

Subcontracted Analyses

P207433D220953
P207433M220957
P207433R220955
P32771BBB
P32771BQQ
SC56816-01 (EFF55 111919)
SC56816-02 (INF 111919)

19329807901A

Subcontracted Analyses

B329101B
L329101Q
L329101Y
SC56816-01 (EFF55 111919)
SC56816-02 (INF 111919)

507289A

Subcontracted Analyses

CE64328-BLK
CE64328-DUP
CE64328-LCS
SC56816-01 (EFF55 111919)
SC56816-02 (INF 111919)

507309A

Subcontracted Analyses

CE64159-BLK
CE64159-LCS
SC56816-01 (EFF55 111919)
SC56816-02 (INF 111919)

507594A

Subcontracted Analyses

CE64369-BLK
CE64369-LCS
SC56816-01 (EFF55 111919)
SC56816-02 (INF 111919)

L193311AA

Subcontracted Analyses

LCSL94Q
LCSL94Y
LCSL95Q
LCSL95Y
SC56816-01 (EFF55 111919)
SC56816-02 (INF 111919)
SC56816-02RE01 (INF 111919)
SC56816-03 (TW-1 111919)
SC56816-04 (TW-2A 111919)
SC56816-04RE01 (TW-2A 111919)
SC56816-05 (TW-3 111919)
SC56816-06 (Trip Blank)
VBLKL94B