AECOM

Operation, Maintenance and Monitoring Report
February 2020

NOW Corporation
NYSDEC Site No. 3-14-008

Work Assignment No.
D007626-25

Prepared for:

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

Prepared by:

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

March 2020

March 28, 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: February 2020

Dear Mr. Long:

This monthly summary report describes the operation, maintenance and monitoring (OM&M) of the remedial system at the NOW Corporation site in the Town of Clinton, New York, for a 27-day period (**January 22, 2020 – February 18, 2020**).

With the exceptions noted below, if any, the pump and treat system was online and operational throughout the reporting period. Approximately 252,000 gallons of water were treated. Discharge from the treatment system averaged approximately 9,300 gallons per day (gpd).

As of the last day of the reporting period, a total of 118,440,695 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 February 18, 2020. **There were no exceedances of effluent limitations.** A copy of the analytical laboratory report is attached. Total VOCs in the most contaminated extraction well (TW-2A) was 655 µg/L; last month's value was 1,648 µg/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 one site visit to conduct the required system inspection, perform scheduled maintenance, and to collect water samples. Details for the current period follow:

February 18 – 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) 951-2373, or at lindsay.mitchell@aecom.com if you have any questions or comments regarding this report or the operation of the treatment system.

Sincerely,

AECOM Technical Services Northeast, Inc.

Lindsay Mitchell, P.E.
Project Manager

Table 1
Summary of Influent and Effluent Data
Sampling Date: February 18, 2020
NOW Corporation Site
NYSDEC Site No. 3-14-008
Town of Clinton, New York

Analytes/ Parameters	Total Influent	Effluent	Recovery Wells			Effluent Limitations	(units)
			TW-1	TW-2A	TW-3		
Quantity treated, avg per day		9,323				Monitor	gallons
pH	6.9	7.2				6.5 to 8.5	standard units
Oil and Grease	<5	<5	NA	NA	NA	15	mg/L
Total Cyanide	<0.01	<0.01	NA	NA	NA	0.01	mg/L
TDS	**260**	**230**	NA	NA	NA	1000	mg/L
TSS	**5**	<2.5	NA	NA	NA	50	mg/L
Aluminum, Total	<25	<25	NA	NA	NA	Monitor	µg/L
Arsenic, Total	<30	<30	NA	NA	NA	100	µg/L
Barium, Total	**62.9**	**76.8**	NA	NA	NA	Monitor	µg/L
Chromium	**2.1 J**	<15	NA	NA	NA	400	µg/L
Copper	<20	<20	NA	NA	NA	24	µg/L
Iron	**148 J**	<200	NA	NA	NA	600	µg/L
Mercury	<0.2	<0.2	NA	NA	NA	0.8	µg/L
Manganese	**70.4**	**35.5**	NA	NA	NA	Monitor	µg/L
Nickel	<10	**2.1 J**	NA	NA	NA	200	µg/L
Zinc	<20	<20	NA	NA	NA	150	µg/L
1,1,1-Trichloroethane	**150**	<1	**1**	**250**	**2**	10	µg/L
1,1,2-Trichloroethane	<1	<1	<1	<1	<1	1.2	µg/L
1,1-Dichloroethane	**61**	<1	**25**	**95**	**5**	10	µg/L
1,1-Dichloroethene	**8**	<1	**9**	**9**	**0.7 J**	0.5	µg/L
1,2-Dichloroethane	<1	<1	<1	<1	<1	1.6	µg/L
2-Butanone	<10	<10	<10	<10	<10	NL	µg/L
Benzene	<1	<1	<1	<1	<1	1.4	µg/L
Chlorobenzene	<1	<1	<1	<1	<1	10	µg/L
Chloroethane	<1	<1	<1	**0.2 J**	<1	10	µg/L
cis-1,2-Dichloroethene	**7**	<1	**4**	**10**	<1	5	µg/L
Ethylbenzene	<1	<1	<1	<1	<1	10	µg/L
o-Xylene	<1	<1	<1	<1	<1	5	µg/L
m,p-Xylene	<5	<5	<5	<5	<5	10	µg/L
Tetrachloroethene	<1	<1	<1	<1	<1	1.4	µg/L
Tetrahydrofuran	<10	**1 J**	<10	<10	<10	NL	µg/L
Toluene	<1	<1	<1	<1	<1	10	µg/L
Trichloroethene	**170**	<1	**41**	**290**	**16**	6	µg/L
Vinyl Chloride	<1	<1	<1	**0.4 J**	<1	0.6	µg/L

Notes:

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

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

3) NA indicates not analyzed.

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

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

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

7) NL indicates no effluent limitations specified.

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

Table 2
Summary of February 2020 O&M Data

NOW Corporation Site
Town of Clinton, New York

Instrumentation/Readings:		2/18/20	Units
TW-1			
	Pumping Rate	0	GPM
	Water Level Above Transducer	14.82	feet
	Flow Meter Reading	9,356,900	gallons
	Pump Pressure	0	psi
TW-2A			
	Pumping Rate	14	GPM
	Water Level Above Transducer	25.41	feet
	Flow Meter Reading	21,217,300	gallons
	Pump Pressure	0	psi
TW-3			
	Pumping Rate	1	GPM
	Water Level Above Transducer	78.42	feet
	Flow Meter Reading	16,982,700	gallons
	Pump Pressure	0	psi
VFD Setting	Arrival	55	Hz
	Departure	55	Hz
Air Stripper			
	Stripper Blower Pressure	13.5	inches H_2O
	Air Temperature in Stripper	52	°F
Effluent Flow			
	Effluent Flow this period	251,712	gallons
	Total Effluent Flow	118,440,695	gallons

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

Well ID	MP Elevation	2/18/20	
		Depth to Water (Ft below MP)	GW Elevation
MW-1	289.50	9.55	279.95
MW-2	332.51	24.10	308.41
MW-3	312.83	22.13	290.70
MW-3S	312.51	19.78	292.73
MW-4S	298.29	21.28	277.01
MW-4D	298.16	20.18	277.98
MW-5	285.48	17.88	267.60
MW-6S	287.90	3.59	284.31
MW-6D	287.25	6.40	280.85
MW-7S	292.12	12.98	279.14
MW-7D	292.54	32.20	260.34
OW-1	307.75	41.38	266.37
OW-2	305.96	63.41	242.55
OW-3	NA	--	NA
OW-4	NA	--	NA
OW-5	NA	--	NA
OW-6	294.81	4.10	290.71
IW-1	312.46	24.33	288.13
IW-2	304.56	34.25	270.31
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.
-- denotes that measurements were not collected.

eurofins | Environment Testing New England

☑ Final Report
☐ Revised Report

Report Date:
25-Feb-20 16:28

Laboratory Report
SC57537

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

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

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

New York # 11393
USDA # P330-15-00375

Authorized by:

Agnes Huntley
Project Manager

Eurofins Environment Testing New Englandl holds primary NELAC certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes. Please refer to our website for specific certification holdings in each state.
Please note that this report contains 30 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Eurofins Environment Testing New England.

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

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

Sample Summary

Work Order: SC57537

Project: Now Corp - Staatsburg, NY

Project Number: 60276639-1

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SC57537-01	EFF55 021820	Ground Water	18-Feb-20 12:45	19-Feb-20 10:00
SC57537-02	INF 021820	Ground Water	18-Feb-20 12:30	19-Feb-20 10:00
SC57537-03	TW-1 021820	Ground Water	18-Feb-20 12:25	19-Feb-20 10:00
SC57537-04	TW-2A 021820	Ground Water	18-Feb-20 12:40	19-Feb-20 10:00
SC57537-05	TW-3 021820	Ground Water	18-Feb-20 12:35	19-Feb-20 10:00
SC57537-06	TB	Trip Blank	18-Feb-20 00:00	19-Feb-20 10:00

CASE NARRATIVE:

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

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

The samples were received 3.6 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 1.0 degrees Celsius was used immediately upon receipt of the samples.

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

Sample	Sample Collection	ELLE#
SC57537-01	02/18/2020 12:45	1263372
SC57537-02	02/18/2020 12:30	1263373
SC57537-03	02/18/2020 12:25	1263374
SC57537-04	02/18/2020 12:40	1263375
SC57537-05	02/18/2020 12:35	1263376
SC57537-06	02/18/2020	1263377

SW-846 6010C, Metals

Batch #: 200511404403 (Sample number(s): 1263372-1263373 UNSPK: 1263372 BKG: 1263372)

The duplicate RPD for the following analyte(s) exceeded the acceptance window: Nickel

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

SW-846 6010C

Samples:

SC57537-01 *EFF55 021820*

Estimated value

Nickel

SC57537-02 *INF 021820*

Estimated value

Iron

SC57537-02RE01 *INF 021820*

Estimated value

Chromium

SW-846 8260C

Samples:

SC57537-01 *EFF55 021820*

Estimated value

Acetone
Tetrahydrofuran

SC57537-04 *TW-2A 021820*

SW-846 8260C

Samples:

SC57537-04 *TW-2A 021820*

Estimated value

Chloroethane
Vinyl Chloride

SC57537-05 *TW-3 021820*

Estimated value

1,1-Dichloroethene

SC57537-06 *TB*

Estimated value

Acetone
Methylene Chloride

SW9010C/SW9012B

Blanks:

CF34116-BLK

Cyanide blank spike recory was 105 %.

Total Cyanide

Laboratory Control Samples:

CF34116-LCS

Cyanide blank spike recory was 105 %.

Total Cyanide

Sample Acceptance Check Form

Client:	AECOM Environment - Latham, NY
Project:	Now Corp - Staatsburg, NY / 60276639-1
Work Order:	SC57537
Sample(s) received on:	2/19/2020

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

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

Summary of Hits

Lab ID: SC57537-01 **Client ID:** EFF55 021820

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Total Suspended Solids	< 2.5		2.5	mg/l	SM 2540D-11
Tot. Diss. Solids	230		10	mg/l	SM2540C-11
Barium	0.0768		0.0050	mg/l	SW-846 6010C
Manganese	0.0355		0.0100	mg/l	SW-846 6010C
Nickel	0.0021	J.	0.0100	mg/l	SW-846 6010C
Acetone	1	J.	20	ug/l	SW-846 8260C
Tetrahydrofuran	1	J.	10	ug/l	SW-846 8260C
Total Cyanide	< 0.010		0.010	mg/l	SW9010C/SW9012B

Lab ID: SC57537-02 **Client ID:** INF 021820

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Total Suspended Solids	5.0		2.5	mg/l	SM 2540D-11
Tot. Diss. Solids	260		10	mg/l	SM2540C-11
Barium	0.0629		0.0050	mg/l	SW-846 6010C
Iron	0.148	J.	0.200	mg/l	SW-846 6010C
Manganese	0.0704		0.0100	mg/l	SW-846 6010C
1,1,1-Trichloroethane	150		1	ug/l	SW-846 8260C
1,1-Dichloroethane	61		1	ug/l	SW-846 8260C
1,1-Dichloroethene	8		1	ug/l	SW-846 8260C
cis-1,2-Dichloroethene	7		1	ug/l	SW-846 8260C
Trichloroethene	170		1	ug/l	SW-846 8260C
Total Cyanide	< 0.010		0.010	mg/l	SW9010C/SW9012B

Lab ID: SC57537-02RE01 **Client ID:** INF 021820

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Chromium	0.0021	J.	0.0150	mg/l	SW-846 6010C

Lab ID: SC57537-03 **Client ID:** TW-1 021820

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
1,1,1-Trichloroethane	1		1	ug/l	SW-846 8260C
1,1-Dichloroethane	25		1	ug/l	SW-846 8260C
1,1-Dichloroethene	9		1	ug/l	SW-846 8260C
cis-1,2-Dichloroethene	4		1	ug/l	SW-846 8260C
Trichloroethene	41		1	ug/l	SW-846 8260C

Lab ID: SC57537-04 **Client ID:** TW-2A 021820

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
1,1,1-Trichloroethane	250		1	ug/l	SW-846 8260C
1,1-Dichloroethane	95		1	ug/l	SW-846 8260C
1,1-Dichloroethene	9		1	ug/l	SW-846 8260C
Chloroethane	0.2	J.	1	ug/l	SW-846 8260C
cis-1,2-Dichloroethene	10		1	ug/l	SW-846 8260C
Trichloroethene	290		1	ug/l	SW-846 8260C
Vinyl Chloride	0.4	J.	1	ug/l	SW-846 8260C

Lab ID: SC57537-05 **Client ID:** TW-3 021820

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

Lab ID: SC57537-06 **Client ID:** TB

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Acetone	2	J.	20	ug/l	SW-846 8260C
Methylene Chloride	0.3	J.	1	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 021820	60276639-1	Ground Water	18-Feb-20 12:45	19-Feb-20
SC57537-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
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	21-Feb-20 07:48	21-Feb-20 07:48	10670	05280790	
Subcontracted Analyses													
Prepared by method SW-846 3005A													
Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670													
7440-38-2	Arsenic	< 0.0300		mg/l	0.0300	0.0160	1	SW-846 6010C	21-Feb-20 05:30	21-Feb-20 13:48	10670	05114044	
7440-39-3	Barium	**0.0768**		mg/l	0.0050	0.0010	1	"	"	"	"	"	
7440-50-8	Copper	< 0.0200		mg/l	0.0200	0.0120	1	"	"	"	"	"	
7439-89-6	Iron	< 0.200		mg/l	0.200	0.0400	1	"	"	"	"	"	
7439-96-5	Manganese	**0.0355**		mg/l	0.0100	0.0030	1	"	"	"	"	"	
7440-02-0	Nickel	**0.0021**	J.	mg/l	0.0100	0.0021	1	"	"	"	"	"	
7440-66-6	Zinc	< 0.0200		mg/l	0.0200	0.0037	1	"	"	"	"	"	
Re-analysis of Subcontracted Analyses													
Prepared by method SW-846 3005A													
7440-47-3	Chromium	< 0.0150		mg/l	0.0150	0.0016	1	SW-846 6010C	21-Feb-20 05:30	21-Feb-20 17:19	10670	05114044	
Prepared by method SW-846 3020A													
Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670													
7429-90-5	Aluminum	< 0.0250		mg/l	0.0250	0.0197	1	SW-846 6020A	24-Feb-20 14:20	24-Feb-20 20:33	10670	55140470	
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	21-Feb-20 07:35	24-Feb-20 08:02	10670	05105713	
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	23-Feb-20 20:32	23-Feb-20 20:33	10670	200541A	
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	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
EFF55 021820	60276639-1	Ground Water	18-Feb-20 12:45	19-Feb-20
SC57537-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Subcontracted Analyses													
Subcontracted Analyses													
Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670													
541-73-1	1,3-Dichlorobenzene	< 5		ug/l	5	0.2	1	SW-846 8260C	23-Feb-20 20:32	23-Feb-20 20:33	10670	'200541A	
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	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	"	"	"	"	"	
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	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
EFF55 021820 SC57537-01	60276639-1	Ground Water	18-Feb-20 12:45	19-Feb-20

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Subcontracted Analyses													
Subcontracted Analyses													
Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670													
99-87-6	p-Isopropyltoluene	< 5		ug/l	5	0.2	1	SW-846 8260C	23-Feb-20 20:32	23-Feb-20 20:33	10670	'200541A	
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	1	J.	ug/l	10	0.7	1	"	"	"	"	"	
108-88-3	Toluene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
110-57-6	trans-1,4-Dichloro-2-buten e	< 50		ug/l	50	6	1	"	"	"	"	"	
79-01-6	Trichloroethene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
75-01-4	Vinyl Chloride	< 1		ug/l	1	0.2	1	"	"	"	"	"	
Surrogate recoveries:													
17060-07-0	*1,2-Dichloroethane-d4*	*101*			*80-120 %*			"	"	"	"	"	
460-00-4	*4-Bromofluorobenzene*	*97*			*80-120 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*96*			*80-120 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*102*			*80-120 %*			"	"	"	"	"	
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	20-Feb-20 08:01	20-Feb-20 08:01	11301	519222A	
Prepared by method SM2540C-11													
*Analysis performed by Phoenix Environmental Labs, Inc. * - CT007*													
	Tot. Diss. Solids	230		mg/l	10	10	1	SM2540C-11	20-Feb-20 09:47	20-Feb-20 09:47	11301	519230A	
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	19-Feb-20	24-Feb-20 13:18	11301	519154A	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
INF 021820	60276639-1	Ground Water	18-Feb-20 12:30	19-Feb-20
SC57537-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
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	21-Feb-20 07:48	21-Feb-20 07:48	10670	05280790	
Subcontracted Analyses													
Prepared by method SW-846 3005A													
Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670													
7440-38-2	Arsenic	< 0.0300		mg/l	0.0300	0.0160	1	SW-846 6010C	21-Feb-20 05:30	21-Feb-20 14:07	10670	05114044	
7440-39-3	Barium	**0.0629**		mg/l	0.0050	0.0010	1	"	"	"	"	"	
7440-50-8	Copper	< 0.0200		mg/l	0.0200	0.0120	1	"	"	"	"	"	
7439-89-6	Iron	**0.148**	J.	mg/l	0.200	0.0400	1	"	"	"	"	"	
7439-96-5	Manganese	**0.0704**		mg/l	0.0100	0.0030	1	"	"	"	"	"	
7440-02-0	Nickel	< 0.0100		mg/l	0.0100	0.0021	1	"	"	"	"	"	
7440-66-6	Zinc	< 0.0200		mg/l	0.0200	0.0037	1	"	"	"	"	"	
Re-analysis of Subcontracted Analyses													
Prepared by method SW-846 3005A													
7440-47-3	Chromium	**0.0021**	J.	mg/l	0.0150	0.0016	1	SW-846 6010C	21-Feb-20 05:30	21-Feb-20 17:38	10670	05114044	
Prepared by method SW-846 3020A													
Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670													
7429-90-5	Aluminum	< 0.0250		mg/l	0.0250	0.0197	1	SW-846 6020A	24-Feb-20 14:20	24-Feb-20 20:42	10670	05140470	
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	21-Feb-20 07:35	24-Feb-20 08:04	10670	05105713	
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	23-Feb-20 20:53	23-Feb-20 20:54	10670	200541A	
71-55-6	1,1,1-Trichloroethane	**150**		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	**61**		ug/l	1	0.2	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	**8**		ug/l	1	0.2	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	< 5		ug/l	5	0.4	1	"	"	"	"	"	
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	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
INF 021820	60276639-1	Ground Water	18-Feb-20 12:30	19-Feb-20
SC57537-02				

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													
541-73-1	1,3-Dichlorobenzene	< 5		ug/l	5	0.2	1	SW-846 8260C	23-Feb-20 20:53	23-Feb-20 20:54	10670	'200541A	
142-28-9	1,3-Dichloropropane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
123-91-1	1,4-Dioxane	< 250		ug/l	250	29	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	< 1		ug/l	1	0.3	1	"	"	"	"	"	
78-93-3	2-Butanone	< 10		ug/l	10	0.3	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
591-78-6	2-Hexanone	< 10		ug/l	10	0.3	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
108-10-1	4-Methyl-2-pentanone	< 10		ug/l	10	0.5	1	"	"	"	"	"	
67-64-1	Acetone	< 20		ug/l	20	0.7	1	"	"	"	"	"	
107-13-1	Acrylonitrile	< 20		ug/l	20	0.3	1	"	"	"	"	"	
71-43-2	Benzene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
108-86-1	Bromobenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
74-97-5	Bromochloromethane	< 5		ug/l	5	0.2	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
75-25-2	Bromoform	< 4		ug/l	4	1	1	"	"	"	"	"	
74-83-9	Bromomethane	< 1		ug/l	1	0.3	1	"	"	"	"	"	
75-15-0	Carbon Disulfide	< 5		ug/l	5	0.2	1	"	"	"	"	"	
56-23-5	Carbon Tetrachloride	< 1		ug/l	1	0.2	1	"	"	"	"	"	
108-90-7	Chlorobenzene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
75-00-3	Chloroethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
67-66-3	Chloroform	< 1		ug/l	1	0.2	1	"	"	"	"	"	
74-87-3	Chloromethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	7		ug/l	1	0.2	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
108-20-3	di-Isopropyl ether	< 1		ug/l	1	0.2	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
74-95-3	Dibromomethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
64-17-5	Ethanol	< 750		ug/l	750	280	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 5		ug/l	5	0.2	1	"	"	"	"	"	
637-92-3	Ethyl t-butyl ether	< 1		ug/l	1	0.2	1	"	"	"	"	"	
100-41-4	Ethylbenzene	< 1		ug/l	1	0.4	1	"	"	"	"	"	
76-13-1	Freon 113	< 10		ug/l	10	0.2	1	"	"	"	"	"	
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	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
INF 021820	60276639-1	Ground Water	18-Feb-20 12:30	19-Feb-20
SC57537-02				

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													
99-87-6	p-Isopropyltoluene	< 5		ug/l	5	0.2	1	SW-846 8260C	23-Feb-20 20:53	23-Feb-20 20:54	10670	'200541A	
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	**170**		ug/l	1	0.2	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
75-01-4	Vinyl Chloride	< 1		ug/l	1	0.2	1	"	"	"	"	"	
Surrogate recoveries:													
17060-07-0	*1,2-Dichloroethane-d4*	*100*			*80-120 %*			"	"	"	"	"	
460-00-4	*4-Bromofluorobenzene*	*97*			*80-120 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*101*			*80-120 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*102*			*80-120 %*			"	"	"	"	"	
Subcontracted Analyses													
Prepared by method SM 2540D-11													
*Analysis performed by Phoenix Environmental Labs, Inc. * - CT007*													
	Total Suspended Solids	**5.0**		mg/l	2.5	2.5	0.5	SM 2540D-11	20-Feb-20 08:01	20-Feb-20 08:01	11301	519222A	
Prepared by method SM2540C-11													
*Analysis performed by Phoenix Environmental Labs, Inc. * - CT007*													
	Tot. Diss. Solids	**260**		mg/l	10	10	1	SM2540C-11	20-Feb-20 09:47	20-Feb-20 09:47	11301	519230A	
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/SW9 012B	19-Feb-20	24-Feb-20 13:19	11301	519154A	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TW-1 021820 SC57537-03	60276639-1	Ground Water	18-Feb-20 12:25	19-Feb-20

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Subcontracted Analyses													
Subcontracted Analyses Prepared by method SW-846 5030C													
Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670													
630-20-6	1,1,1,2-Tetrachloroethane	< 1		ug/l	1	0.2	1	SW-846 8260C	23-Feb-20 21:16	23-Feb-20 21:17	10670	'200541A	
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	25		ug/l	1	0.2	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	9		ug/l	1	0.2	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	< 5		ug/l	5	0.4	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	< 5		ug/l	5	0.2	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	< 5		ug/l	5	0.3	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	< 5		ug/l	5	1	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	< 5		ug/l	5	0.3	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	< 1		ug/l	1	0.3	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
108-70-3	1,3,5-Trichlorobenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	< 5		ug/l	5	0.3	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
123-91-1	1,4-Dioxane	< 250		ug/l	250	29	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	< 1		ug/l	1	0.3	1	"	"	"	"	"	
78-93-3	2-Butanone	< 10		ug/l	10	0.3	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
591-78-6	2-Hexanone	< 10		ug/l	10	0.3	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
108-10-1	4-Methyl-2-pentanone	< 10		ug/l	10	0.5	1	"	"	"	"	"	
67-64-1	Acetone	< 20		ug/l	20	0.7	1	"	"	"	"	"	
107-13-1	Acrylonitrile	< 20		ug/l	20	0.3	1	"	"	"	"	"	
71-43-2	Benzene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
108-86-1	Bromobenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
74-97-5	Bromochloromethane	< 5		ug/l	5	0.2	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
75-25-2	Bromoform	< 4		ug/l	4	1	1	"	"	"	"	"	
74-83-9	Bromomethane	< 1		ug/l	1	0.3	1	"	"	"	"	"	
75-15-0	Carbon Disulfide	< 5		ug/l	5	0.2	1	"	"	"	"	"	
56-23-5	Carbon Tetrachloride	< 1		ug/l	1	0.2	1	"	"	"	"	"	
108-90-7	Chlorobenzene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
75-00-3	Chloroethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
67-66-3	Chloroform	< 1		ug/l	1	0.2	1	"	"	"	"	"	
74-87-3	Chloromethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TW-1 021820	60276639-1	Ground Water	18-Feb-20 12:25	19-Feb-20
SC57537-03				

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	4		ug/l	1	0.2	1	SW-846 8260C	23-Feb-20 21:16	23-Feb-20 21:17	10670	'200541A	
10061-01-5	cis-1,3-Dichloropropene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
108-20-3	di-Isopropyl ether	< 1		ug/l	1	0.2	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
74-95-3	Dibromomethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
64-17-5	Ethanol	< 750		ug/l	750	280	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 5		ug/l	5	0.2	1	"	"	"	"	"	
637-92-3	Ethyl t-butyl ether	< 1		ug/l	1	0.2	1	"	"	"	"	"	
100-41-4	Ethylbenzene	< 1		ug/l	1	0.4	1	"	"	"	"	"	
76-13-1	Freon 113	< 10		ug/l	10	0.2	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	< 5		ug/l	5	2	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
179601-23-1	m+p-Xylene	< 5		ug/l	5	1	1	"	"	"	"	"	
1634-04-4	Methyl Tertiary Butyl Ether	< 1		ug/l	1	0.2	1	"	"	"	"	"	
75-09-2	Methylene Chloride	< 1		ug/l	1	0.3	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
91-20-3	Naphthalene	< 5		ug/l	5	1	1	"	"	"	"	"	
95-47-6	o-Xylene	< 1		ug/l	1	0.4	1	"	"	"	"	"	
99-87-6	p-Isopropyltoluene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
100-42-5	Styrene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
994-05-8	t-Amyl methyl ether	< 5		ug/l	5	0.8	1	"	"	"	"	"	
75-65-0	t-Butyl alcohol	< 50		ug/l	50	12	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	< 5		ug/l	5	0.3	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
109-99-9	Tetrahydrofuran	< 10		ug/l	10	0.7	1	"	"	"	"	"	
108-88-3	Toluene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
110-57-6	trans-1,4-Dichloro-2-butene	< 50		ug/l	50	6	1	"	"	"	"	"	
79-01-6	Trichloroethene	41		ug/l	1	0.2	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
75-01-4	Vinyl Chloride	< 1		ug/l	1	0.2	1	"	"	"	"	"	
Surrogate recoveries:													
17060-07-0	*1,2-Dichloroethane-d4*	*102*			*80-120 %*			"	"	"	"	"	
460-00-4	*4-Bromofluorobenzene*	*98*			*80-120 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*98*			*80-120 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*102*			*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	23-Feb-20 21:37	23-Feb-20 21:38	10670	'200541A	
71-55-6	1,1,1-Trichloroethane	**250**		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	**95**		ug/l	1	0.2	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	**9**		ug/l	1	0.2	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	< 5		ug/l	5	0.4	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	< 5		ug/l	5	0.2	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	< 5		ug/l	5	0.3	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	< 5		ug/l	5	1	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	< 5		ug/l	5	0.3	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	< 1		ug/l	1	0.3	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
108-70-3	1,3,5-Trichlorobenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	< 5		ug/l	5	0.3	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
123-91-1	1,4-Dioxane	< 250		ug/l	250	29	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	< 1		ug/l	1	0.3	1	"	"	"	"	"	
78-93-3	2-Butanone	< 10		ug/l	10	0.3	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
591-78-6	2-Hexanone	< 10		ug/l	10	0.3	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
108-10-1	4-Methyl-2-pentanone	< 10		ug/l	10	0.5	1	"	"	"	"	"	
67-64-1	Acetone	< 20		ug/l	20	0.7	1	"	"	"	"	"	
107-13-1	Acrylonitrile	< 20		ug/l	20	0.3	1	"	"	"	"	"	
71-43-2	Benzene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
108-86-1	Bromobenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
74-97-5	Bromochloromethane	< 5		ug/l	5	0.2	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
75-25-2	Bromoform	< 4		ug/l	4	1	1	"	"	"	"	"	
74-83-9	Bromomethane	< 1		ug/l	1	0.3	1	"	"	"	"	"	
75-15-0	Carbon Disulfide	< 5		ug/l	5	0.2	1	"	"	"	"	"	
56-23-5	Carbon Tetrachloride	< 1		ug/l	1	0.2	1	"	"	"	"	"	
108-90-7	Chlorobenzene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
75-00-3	Chloroethane	**0.2**	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 021820	60276639-1	Ground Water	18-Feb-20 12:40	19-Feb-20
SC57537-04				

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	**10**		ug/l	1	0.2	1	SW-846 8260C	23-Feb-20 21:37	23-Feb-20 21:38	10670	'200541A	
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	**290**		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*	*98*			*80-120 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*104*			*80-120 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*102*			*80-120 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TW-3 021820 SC57537-05	60276639-1	Ground Water	18-Feb-20 12:35	19-Feb-20

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Subcontracted Analyses													
Subcontracted Analyses Prepared by method SW-846 5030C													
Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670													
630-20-6	1,1,1,2-Tetrachloroethane	< 1		ug/l	1	0.2	1	SW-846 8260C	23-Feb-20 22:00	23-Feb-20 22:01	10670	'200541A	
71-55-6	1,1,1-Trichloroethane	2		ug/l	1	0.3	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	5		ug/l	1	0.2	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	0.7	J.	ug/l	1	0.2	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	< 5		ug/l	5	0.4	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	< 5		ug/l	5	0.2	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	< 5		ug/l	5	0.3	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	< 5		ug/l	5	1	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	< 5		ug/l	5	0.3	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	< 1		ug/l	1	0.3	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
108-70-3	1,3,5-Trichlorobenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	< 5		ug/l	5	0.3	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
123-91-1	1,4-Dioxane	< 250		ug/l	250	29	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	< 1		ug/l	1	0.3	1	"	"	"	"	"	
78-93-3	2-Butanone	< 10		ug/l	10	0.3	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
591-78-6	2-Hexanone	< 10		ug/l	10	0.3	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
108-10-1	4-Methyl-2-pentanone	< 10		ug/l	10	0.5	1	"	"	"	"	"	
67-64-1	Acetone	< 20		ug/l	20	0.7	1	"	"	"	"	"	
107-13-1	Acrylonitrile	< 20		ug/l	20	0.3	1	"	"	"	"	"	
71-43-2	Benzene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
108-86-1	Bromobenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
74-97-5	Bromochloromethane	< 5		ug/l	5	0.2	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
75-25-2	Bromoform	< 4		ug/l	4	1	1	"	"	"	"	"	
74-83-9	Bromomethane	< 1		ug/l	1	0.3	1	"	"	"	"	"	
75-15-0	Carbon Disulfide	< 5		ug/l	5	0.2	1	"	"	"	"	"	
56-23-5	Carbon Tetrachloride	< 1		ug/l	1	0.2	1	"	"	"	"	"	
108-90-7	Chlorobenzene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
75-00-3	Chloroethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
67-66-3	Chloroform	< 1		ug/l	1	0.2	1	"	"	"	"	"	
74-87-3	Chloromethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TW-3 021820	60276639-1	Ground Water	18-Feb-20 12:35	19-Feb-20
SC57537-05				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Subcontracted Analyses													
Subcontracted Analyses													
Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670													
156-59-2	cis-1,2-Dichloroethene	< 1		ug/l	1	0.2	1	SW-846 8260C	23-Feb-20 22:00	23-Feb-20 22:01	10670	'200541A	
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	16		ug/l	1	0.2	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
75-01-4	Vinyl Chloride	< 1		ug/l	1	0.2	1	"	"	"	"	"	
Surrogate recoveries:													
17060-07-0	*1,2-Dichloroethane-d4*	*102*			*80-120 %*			"	"	"	"	"	
460-00-4	*4-Bromofluorobenzene*	*97*			*80-120 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*97*			*80-120 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*102*			*80-120 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TB	60276639-1	Trip Blank	18-Feb-20 00:00	19-Feb-20
SC57537-06				

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	23-Feb-20 18:20	23-Feb-20 18:21	10670	200541A	
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	2	J.	ug/l	20	0.7	1	"	"	"	"	"	
107-13-1	Acrylonitrile	< 20		ug/l	20	0.3	1	"	"	"	"	"	
71-43-2	Benzene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
108-86-1	Bromobenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
74-97-5	Bromochloromethane	< 5		ug/l	5	0.2	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
75-25-2	Bromoform	< 4		ug/l	4	1	1	"	"	"	"	"	
74-83-9	Bromomethane	< 1		ug/l	1	0.3	1	"	"	"	"	"	
75-15-0	Carbon Disulfide	< 5		ug/l	5	0.2	1	"	"	"	"	"	
56-23-5	Carbon Tetrachloride	< 1		ug/l	1	0.2	1	"	"	"	"	"	
108-90-7	Chlorobenzene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
75-00-3	Chloroethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
67-66-3	Chloroform	< 1		ug/l	1	0.2	1	"	"	"	"	"	
74-87-3	Chloromethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TB SC57537-06	60276639-1	Trip Blank	18-Feb-20 00:00	19-Feb-20

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Subcontracted Analyses													
Subcontracted Analyses													
Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670													
156-59-2	cis-1,2-Dichloroethene	< 1		ug/l	1	0.2	1	SW-846 8260C	23-Feb-20 18:20	23-Feb-20 18:21	10670	'200541A	
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	0.3	J.	ug/l	1	0.3	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
91-20-3	Naphthalene	< 5		ug/l	5	1	1	"	"	"	"	"	
95-47-6	o-Xylene	< 1		ug/l	1	0.4	1	"	"	"	"	"	
99-87-6	p-Isopropyltoluene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
100-42-5	Styrene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
994-05-8	t-Amyl methyl ether	< 5		ug/l	5	0.8	1	"	"	"	"	"	
75-65-0	t-Butyl alcohol	< 50		ug/l	50	12	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	< 5		ug/l	5	0.3	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
109-99-9	Tetrahydrofuran	< 10		ug/l	10	0.7	1	"	"	"	"	"	
108-88-3	Toluene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
110-57-6	trans-1,4-Dichloro-2-butene	< 50		ug/l	50	6	1	"	"	"	"	"	
79-01-6	Trichloroethene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
75-01-4	Vinyl Chloride	< 1		ug/l	1	0.2	1	"	"	"	"	"	
Surrogate recoveries:													
17060-07-0	*1,2-Dichloroethane-d4*	*101*			*80-120 %*			"	"	"	"	"	
460-00-4	*4-Bromofluorobenzene*	*96*			*80-120 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*97*			*80-120 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*101*			*80-120 %*			"	"	"	"	"	

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
EPA 1664B										
Batch 200528079O1A - General Preparation										
Blank (B052101B)						Prepared & Analyzed: 21-Feb-20				
HEM (oil & grease)	< 5.0		mg/l	5.0				-		
LCS (L052101Q)						Prepared & Analyzed: 21-Feb-20				
HEM (oil & grease)	**39.7**		mg/l	5.0	40.0		99	78-114		
LCS Dup (L052101Y)						Prepared & Analyzed: 21-Feb-20				
HEM (oil & grease)	**37.6**		mg/l	5.0	40.0		94	78-114	5	13
SW-846 6010C										
Batch 200511404403 - SW-846 3005A										
Blank (P05104CBB)						Prepared & Analyzed: 21-Feb-20				
Zinc	< 0.0200		mg/l	0.0200				-		
Nickel	< 0.0100		mg/l	0.0100				-		
Manganese	< 0.0100		mg/l	0.0100				-		
Iron	< 0.200		mg/l	0.200				-		
Copper	< 0.0200		mg/l	0.0200				-		
Barium	< 0.0050		mg/l	0.0050				-		
Arsenic	< 0.0300		mg/l	0.0300				-		
Blank (P05104CBC)						Prepared & Analyzed: 21-Feb-20				
Chromium	< 0.0150		mg/l	0.0150				-		
LCS (P05104CQQ)						Prepared & Analyzed: 21-Feb-20				
Arsenic	**0.0600**		mg/l	0.0300	0.0600		100	80-120		
Zinc	**0.436**		mg/l	0.0200	0.440		99	80-120		
Nickel	**2.21**		mg/l	0.0100	2.02		109	80-120		
Manganese	**0.0204**		mg/l	0.0100	0.0200		102	80-120		
Iron	**0.417**		mg/l	0.200	0.400		104	80-120		
Copper	**0.0402**		mg/l	0.0200	0.0400		101	80-120		
Barium	**0.0100**		mg/l	0.0050	0.0100		100	80-120		
LCS (P05104CQR)						Prepared & Analyzed: 21-Feb-20				
Chromium	**0.0302**		mg/l	0.0150	0.0300		101	80-120		
Duplicate (P263372D221354)			**Source: SC57537-01**			Prepared & Analyzed: 21-Feb-20				
Nickel	< 0.0100		mg/l	0.0100		0.0021		-	200	20
Zinc	< 0.0200		mg/l	0.0200		BDL		-	0	20
Manganese	**0.0349**		mg/l	0.0100		0.0355		-	2	20
Iron	< 0.200		mg/l	0.200		BDL		-	0	20
Copper	< 0.0200		mg/l	0.0200		BDL		-	0	20
Barium	**0.0742**		mg/l	0.0050		0.0768		-	4	20
Arsenic	< 0.0300		mg/l	0.0300		BDL		-	0	20
Duplicate (P263372D221725)			**Source: SC57537-01**			Prepared & Analyzed: 21-Feb-20				
Chromium	< 0.0150		mg/l	0.0150		BRL		-	0	20
Matrix Spike Dup (P263372M221401)			**Source: SC57537-01**			Prepared & Analyzed: 21-Feb-20				
Arsenic	**0.0680**		mg/l	0.0300	0.0600	BDL	113	75-125	3	20
Copper	**0.0422**		mg/l	0.0200	0.0400	BDL	106	75-125	1	20
Zinc	**0.433**		mg/l	0.0200	0.440	BDL	98	75-125	3	20
Nickel	**2.07**		mg/l	0.0100	2.02	0.0021	103	75-125	1	20
Iron	**0.417**		mg/l	0.200	0.400	BDL	104	75-125	0	20
Chromium	**0.0352**		mg/l	0.0150	0.0300	BRL	117	75-125	0	20
Barium	**0.0851**		mg/l	0.0050	0.0100	0.0768	83	75-125	0	20
Manganese	**0.0565**		mg/l	0.0100	0.0200	0.0355	105	75-125	0	20
Matrix Spike (P263372R221358)			**Source: SC57537-01**			Prepared & Analyzed: 21-Feb-20				
Nickel	**2.10**		mg/l	0.0100	2.02	0.0021	104	75-125		
Manganese	**0.0563**		mg/l	0.0100	0.0200	0.0355	104	75-125		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW-846 6010C										
Batch 200511404403 - SW-846 3005A										
Matrix Spike (P263372R221358)			**Source: SC57537-01**			Prepared & Analyzed: 21-Feb-20				
Iron	**0.418**		mg/l	0.200	0.400	BDL	105	75-125		
Arsenic	**0.0662**		mg/l	0.0300	0.0600	BDL	110	75-125		
Copper	**0.0419**		mg/l	0.0200	0.0400	BDL	105	75-125		
Chromium	**0.0351**		mg/l	0.0150	0.0300	0.00070	117	75-125		
Barium	**0.0850**		mg/l	0.0050	0.0100	0.0768	82	75-125		
Zinc	**0.447**		mg/l	0.0200	0.440	BDL	102	75-125		
SW-846 6020A										
Batch 200551404704A - SW-846 3020A										
Blank (P05504DBB)						Prepared & Analyzed: 24-Feb-20				
Aluminum	< 0.0250		mg/l	0.0250				-		
LCS (P05504DQQ)						Prepared & Analyzed: 24-Feb-20				
Aluminum	**0.213**		mg/l	0.0250	0.200		106	88-114		
Duplicate (P263372D222036A)			**Source: SC57537-01**			Prepared & Analyzed: 24-Feb-20				
Aluminum	< 0.0250		mg/l	0.0250		BDL		-	0	20
Matrix Spike Dup (P263372M222039A)			**Source: SC57537-01**			Prepared & Analyzed: 24-Feb-20				
Aluminum	**0.194**		mg/l	0.0250	0.200	BDL	97	75-125	8	20
Matrix Spike (P263372R222038A)			**Source: SC57537-01**			Prepared & Analyzed: 24-Feb-20				
Aluminum	**0.180**		mg/l	0.0250	0.200	BDL	90	75-125		
SW-846 7470A										
Batch 200510571310 - METHOD										
Blank (P05171JBB)						Prepared: 21-Feb-20 Analyzed: 24-Feb-20				
Mercury	< 0.00020		mg/l	0.00020				-		
LCS (P05171JQQ)						Prepared: 21-Feb-20 Analyzed: 24-Feb-20				
Mercury	**0.0010**		mg/l	0.00020	0.0010		104	80-110		
SW-846 8260C										
Batch Y200541AA - SW-846 5030C										
LCS (LCSY02Q)						Prepared & Analyzed: 23-Feb-20				
cis-1,2-Dichloroethene	**21**		ug/l	1	20		107	80-125		
Bromodichloromethane	**20**		ug/l	1	20		98	71-120		
Bromoform	**18**		ug/l	4	20		89	51-120		
Bromomethane	**21**		ug/l	1	20		104	53-128		
Carbon Disulfide	**16**		ug/l	5	20		81	65-128		
Carbon Tetrachloride	**21**		ug/l	1	20		103	64-134		
Freon 113	**23**		ug/l	10	20		114	73-139		
Chlorobenzene	**21**		ug/l	1	20		104	80-120		
Bromochloromethane	**20**		ug/l	5	20		99	80-120		
Chloroethane	**21**		ug/l	1	20		103	55-123		
Chloroform	**21**		ug/l	1	20		103	80-120		
Bromobenzene	**20**		ug/l	5	20		98	80-120		
Chloromethane	**18**		ug/l	1	20		91	56-121		
cis-1,3-Dichloropropene	**20**		ug/l	1	20		98	75-120		
Dibromochloromethane	**20**		ug/l	1	20		101	71-120		
Dibromomethane	**20**		ug/l	1	20		100	80-120		
Dichlorodifluoromethane	**16**		ug/l	1	20		81	41-127		
di-Isopropyl ether	**20**		ug/l	1	20		98	70-124		
Ethyl ether	**23**		ug/l	5	20		116	59-141		
Ethylbenzene	**21**		ug/l	1	20		106	80-120		
Hexachlorobutadiene	**21**		ug/l	5	20		104	63-120		
Isopropylbenzene	**22**		ug/l	5	20		110	80-120		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW-846 8260C										
Batch Y200541AA - SW-846 5030C										
LCS (LCSY02Q)					Prepared & Analyzed: 23-Feb-20					
m+p-Xylene	**42**		ug/l	5	40		104	80-120		
Methyl Tertiary Butyl Ether	**20**		ug/l	1	20		99	69-122		
Methylene Chloride	**21**		ug/l	1	20		103	80-120		
Benzene	**20**		ug/l	1	20		102	80-120		
1,1,2,2-Tetrachloroethane	**20**		ug/l	1	20		100	72-120		
Ethyl t-butyl ether	**19**		ug/l	1	20		97	68-121		
1,2-Dichloroethane	**20**		ug/l	1	20		99	73-124		
1,1,1,2-Tetrachloroethane	**20**		ug/l	1	20		99	78-120		
1,1,1-Trichloroethane	**20**		ug/l	1	20		99	67-126		
1,3-Dichlorobenzene	**20**		ug/l	5	20		101	80-120		
1,1,2-Trichloroethane	**21**		ug/l	1	20		104	80-120		
Naphthalene	**21**		ug/l	5	20		105	53-124		
1,1-Dichloroethene	**20**		ug/l	1	20		98	80-131		
1,1-Dichloropropene	**20**		ug/l	5	20		102	78-120		
1,2,3-Trichlorobenzene	**21**		ug/l	5	20		103	66-120		
1,2,3-Trichloropropane	**20**		ug/l	5	20		101	75-124		
1,2,4-Trichlorobenzene	**21**		ug/l	5	20		103	63-120		
1,2,4-Trimethylbenzene	**20**		ug/l	5	20		102	75-120		
1,2-Dibromo-3-chloropropane	**20**		ug/l	5	20		100	47-131		
1,1-Dichloroethane	**20**		ug/l	1	20		101	80-120		
1,2-Dichlorobenzene	**20**		ug/l	5	20		102	80-120		
Acrylonitrile	**100**		ug/l	20	100		101	60-129		
1,2-Dichloropropane	**20**		ug/l	1	20		101	80-120		
1,3,5-Trimethylbenzene	**21**		ug/l	5	20		105	75-120		
1,3-Dichloropropane	**20**		ug/l	1	20		101	80-120		
1,4-Dichlorobenzene	**21**		ug/l	5	20		103	80-120		
1,4-Dioxane	**550**		ug/l	250	500		109	63-146		
2,2-Dichloropropane	**20**		ug/l	1	20		98	55-142		
2-Butanone	**150**		ug/l	10	150		100	59-135		
2-Chlorotoluene	**20**		ug/l	5	20		100	80-120		
2-Hexanone	**110**		ug/l	10	100		105	56-135		
4-Chlorotoluene	**20**		ug/l	5	20		100	80-120		
4-Methyl-2-pentanone	**100**		ug/l	10	100		103	62-133		
Acetone	**160**		ug/l	20	150		105	54-157		
1,2-Dibromoethane	**20**		ug/l	1	20		101	77-120		
trans-1,2-Dichloroethene	**20**		ug/l	1	20		101	80-126		
1,3,5-Trichlorobenzene	**21**		ug/l	5	20		103	66-123		
n-Butylbenzene	**21**		ug/l	5	20		104	76-120		
Vinyl Chloride	**18**		ug/l	1	20		91	56-120		
Trichlorofluoromethane	**23**		ug/l	1	20		115	55-135		
Trichloroethene	**21**		ug/l	1	20		104	80-120		
trans-1,3-Dichloropropene	**19**		ug/l	1	20		94	67-120		
Toluene	**21**		ug/l	1	20		103	80-120		
Tetrahydrofuran	**110**		ug/l	10	100		107	54-144		
p-Isopropyltoluene	**21**		ug/l	5	20		106	76-120		
n-Propylbenzene	**22**		ug/l	5	20		109	79-121		
trans-1,4-Dichloro-2-butene	**97**		ug/l	50	100		97	33-143		
o-Xylene	**20**		ug/l	1	20		102	80-120		
Tetrachloroethene	**21**		ug/l	1	20		106	80-120		
sec-Butylbenzene	**22**		ug/l	5	20		109	77-120		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW-846 8260C										
Batch Y200541AA - SW-846 5030C										
LCS (LCSY02Q)					Prepared & Analyzed: 23-Feb-20					
Styrene	**20**		ug/l	5	20		102	80-120		
t-Amyl methyl ether	**20**		ug/l	5	20		99	66-120		
t-Butyl alcohol	**230**		ug/l	50	200		116	60-130		
tert-Butylbenzene	**20**		ug/l	5	20		101	78-120		
Surrogate: Dibromofluoromethane	*50*		ug/l		*50*		*99*	*80-120*		
Surrogate: Toluene-d8	*51*		ug/l		*50*		*102*	*80-120*		
Surrogate: 1,2-Dichloroethane-d4	*50*		ug/l		*50*		*101*	*80-120*		
Surrogate: 4-Bromofluorobenzene	*50*		ug/l		*50*		*100*	*80-120*		
LCS Dup (LCSY02Y)					Prepared & Analyzed: 23-Feb-20					
p-Isopropyltoluene	**21**		ug/l	5	20		107	76-120	1	30
trans-1,4-Dichloro-2-butene	**99**		ug/l	50	100		99	33-143	2	30
Methylene Chloride	**21**		ug/l	1	20		104	80-120	1	30
Naphthalene	**21**		ug/l	5	20		106	53-124	1	30
n-Butylbenzene	**21**		ug/l	5	20		105	76-120	1	30
n-Propylbenzene	**22**		ug/l	5	20		110	79-121	1	30
o-Xylene	**21**		ug/l	1	20		104	80-120	1	30
Methyl Tertiary Butyl Ether	**20**		ug/l	1	20		101	69-122	2	30
sec-Butylbenzene	**22**		ug/l	5	20		110	77-120	1	30
Styrene	**21**		ug/l	5	20		104	80-120	2	30
t-Amyl methyl ether	**20**		ug/l	5	20		100	66-120	1	30
t-Butyl alcohol	**230**		ug/l	50	200		115	60-130	1	30
tert-Butylbenzene	**20**		ug/l	5	20		102	78-120	1	30
Tetrachloroethene	**22**		ug/l	1	20		108	80-120	2	30
Tetrahydrofuran	**110**		ug/l	10	100		105	54-144	2	30
Toluene	**21**		ug/l	1	20		105	80-120	1	30
m+p-Xylene	**43**		ug/l	5	40		106	80-120	2	30
trans-1,3-Dichloropropene	**19**		ug/l	1	20		97	67-120	2	30
trans-1,2-Dichloroethene	**20**		ug/l	1	20		102	80-126	1	30
Dibromochloromethane	**20**		ug/l	1	20		102	71-120	1	30
Bromomethane	**20**		ug/l	1	20		102	53-128	1	30
Carbon Disulfide	**17**		ug/l	5	20		83	65-128	3	30
Carbon Tetrachloride	**21**		ug/l	1	20		104	64-134	1	30
Chlorobenzene	**21**		ug/l	1	20		106	80-120	1	30
Chloroethane	**21**		ug/l	1	20		103	55-123	0	30
Chloroform	**21**		ug/l	1	20		104	80-120	1	30
Chloromethane	**18**		ug/l	1	20		90	56-121	0	30
cis-1,2-Dichloroethene	**22**		ug/l	1	20		109	80-125	1	30
Dibromomethane	**20**		ug/l	1	20		102	80-120	1	30
Bromoform	**18**		ug/l	4	20		90	51-120	1	30
Isopropylbenzene	**22**		ug/l	5	20		111	80-120	1	30
Trichloroethene	**21**		ug/l	1	20		105	80-120	1	30
Dichlorodifluoromethane	**16**		ug/l	1	20		81	41-127	0	30
di-Isopropyl ether	**20**		ug/l	1	20		101	70-124	3	30
Ethyl ether	**21**		ug/l	5	20		103	59-141	12	30
Ethyl t-butyl ether	**20**		ug/l	1	20		100	68-121	2	30
Ethylbenzene	**21**		ug/l	1	20		107	80-120	1	30
Freon 113	**23**		ug/l	10	20		114	73-139	1	30
Hexachlorobutadiene	**21**		ug/l	5	20		105	63-120	1	30
cis-1,3-Dichloropropene	**20**		ug/l	1	20		101	75-120	2	30
1,2,3-Trichloropropane	**20**		ug/l	5	20		101	75-124	0	30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW-846 8260C										
Batch Y200541AA - SW-846 5030C										
LCS Dup (LCSY02Y)						Prepared & Analyzed: 23-Feb-20				
1,3,5-Trimethylbenzene	**21**		ug/l	5	20		106	75-120	1	30
1,3,5-Trichlorobenzene	**21**		ug/l	5	20		105	66-123	2	30
1,2-Dichloropropane	**21**		ug/l	1	20		103	80-120	2	30
1,2-Dichloroethane	**20**		ug/l	1	20		101	73-124	2	30
1,2-Dichlorobenzene	**21**		ug/l	5	20		104	80-120	2	30
1,2-Dibromoethane	**20**		ug/l	1	20		102	77-120	0	30
1,2,4-Trimethylbenzene	**21**		ug/l	5	20		103	75-120	1	30
1,3-Dichlorobenzene	**20**		ug/l	5	20		102	80-120	0	30
1,2,4-Trichlorobenzene	**21**		ug/l	5	20		104	63-120	1	30
1,2-Dibromo-3-chloropropane	**20**		ug/l	5	20		100	47-131	0	30
1,2,3-Trichlorobenzene	**21**		ug/l	5	20		105	66-120	1	30
1,1-Dichloropropene	**21**		ug/l	5	20		103	78-120	1	30
1,1-Dichloroethene	**20**		ug/l	1	20		100	80-131	2	30
1,1-Dichloroethane	**20**		ug/l	1	20		102	80-120	2	30
1,1,2-Trichloroethane	**21**		ug/l	1	20		105	80-120	1	30
1,1,2,2-Tetrachloroethane	**20**		ug/l	1	20		101	72-120	0	30
1,1,1-Trichloroethane	**20**		ug/l	1	20		102	67-126	2	30
1,1,1,2-Tetrachloroethane	**20**		ug/l	1	20		100	78-120	1	30
Trichlorofluoromethane	**23**		ug/l	1	20		115	55-135	0	30
Bromodichloromethane	**20**		ug/l	1	20		100	71-120	2	30
Vinyl Chloride	**18**		ug/l	1	20		92	56-120	2	30
1,3-Dichloropropane	**20**		ug/l	1	20		102	80-120	1	30
Bromochloromethane	**20**		ug/l	5	20		98	80-120	1	30
Bromobenzene	**20**		ug/l	5	20		100	80-120	2	30
Benzene	**21**		ug/l	1	20		103	80-120	2	30
Acrylonitrile	**100**		ug/l	20	100		102	60-129	1	30
Acetone	**160**		ug/l	20	150		104	54-157	1	30
4-Methyl-2-pentanone	**100**		ug/l	10	100		103	62-133	0	30
4-Chlorotoluene	**20**		ug/l	5	20		101	80-120	1	30
1,4-Dichlorobenzene	**21**		ug/l	5	20		104	80-120	1	30
2-Hexanone	**110**		ug/l	10	100		105	56-135	0	30
2-Chlorotoluene	**21**		ug/l	5	20		104	80-120	3	30
2-Butanone	**150**		ug/l	10	150		101	59-135	1	30
2,2-Dichloropropane	**20**		ug/l	1	20		99	55-142	1	30
1,4-Dioxane	**540**		ug/l	250	500		109	63-146	1	30
Surrogate: 4-Bromofluorobenzene	*50*		ug/l		*50*		*101*	*80-120*		
Surrogate: Dibromofluoromethane	*50*		ug/l		*50*		*100*	*80-120*		
Surrogate: Toluene-d8	*51*		ug/l		*50*		*102*	*80-120*		
Surrogate: 1,2-Dichloroethane-d4	*52*		ug/l		*50*		*105*	*80-120*		
LCS (LCSY03Q)						Prepared & Analyzed: 23-Feb-20				
Ethanol	**590**		ug/l	750	500		118	31-180		
LCS Dup (LCSY03Y)						Prepared & Analyzed: 23-Feb-20				
Ethanol	**590**		ug/l	750	500		118	31-180	0	30
Blank (VBLKY02B)						Prepared & Analyzed: 23-Feb-20				
1,1,1-Trichloroethane	< 1		ug/l	1				-		
1,2,3-Trichloropropane	< 5		ug/l	5				-		
1,2-Dichloroethane	< 1		ug/l	1				-		
1,2-Dichloropropane	< 1		ug/l	1				-		
1,2-Dichlorobenzene	< 5		ug/l	5				-		
1,2-Dibromoethane	< 1		ug/l	1				-		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW-846 8260C										
Batch Y200541AA - SW-846 5030C										
Blank (VBLKY02B)						Prepared & Analyzed: 23-Feb-20				
1,2-Dibromo-3-chloropropane	< 5		ug/l	5				-		
1,2,4-Trimethylbenzene	< 5		ug/l	5				-		
1,2,4-Trichlorobenzene	< 5		ug/l	5				-		
1,2,3-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				-		
Dibromochloromethane	< 1		ug/l	1				-		
1,1,2,2-Tetrachloroethane	< 1		ug/l	1				-		
1,1,1,2-Tetrachloroethane	< 1		ug/l	1				-		
1,3,5-Trichlorobenzene	< 5		ug/l	5				-		
1,1,2-Trichloroethane	< 1		ug/l	1				-		
sec-Butylbenzene	< 5		ug/l	5				-		
Ethanol	< 750		ug/l	750				-		
1,3,5-Trimethylbenzene	< 5		ug/l	5				-		
Ethyl t-butyl ether	< 1		ug/l	1				-		
cis-1,2-Dichloroethene	< 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				-		
Tetrahydrofuran	< 10		ug/l	10				-		
Vinyl Chloride	< 1		ug/l	1				-		
Trichlorofluoromethane	< 1		ug/l	1				-		
Trichloroethene	< 1		ug/l	1				-		
trans-1,4-Dichloro-2-butene	< 50		ug/l	50				-		
trans-1,3-Dichloropropene	< 1		ug/l	1				-		
o-Xylene	< 1		ug/l	1				-		
Toluene	< 1		ug/l	1				-		
p-Isopropyltoluene	< 5		ug/l	5				-		
Tetrachloroethene	< 1		ug/l	1				-		
tert-Butylbenzene	< 5		ug/l	5				-		
t-Butyl alcohol	< 50		ug/l	50				-		
t-Amyl methyl ether	< 5		ug/l	5				-		
Styrene	< 5		ug/l	5				-		
Ethyl ether	< 5		ug/l	5				-		
trans-1,2-Dichloroethene	< 1		ug/l	1				-		
4-Methyl-2-pentanone	< 10		ug/l	10				-		
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				-		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW-846 8260C										
Batch Y200541AA - SW-846 5030C										
Blank (VBLKY02B)							Prepared & Analyzed: 23-Feb-20			
2-Chlorotoluene	< 5		ug/l	5				-		
2-Hexanone	< 10		ug/l	10				-		
Ethylbenzene	< 1		ug/l	1				-		
4-Chlorotoluene	< 5		ug/l	5				-		
Dichlorodifluoromethane	< 1		ug/l	1				-		
Acetone	< 20		ug/l	20				-		
Acrylonitrile	< 20		ug/l	20				-		
Benzene	< 1		ug/l	1				-		
Chloroform	< 1		ug/l	1				-		
Dibromomethane	< 1		ug/l	1				-		
Chloromethane	< 1		ug/l	1				-		
Bromobenzene	< 5		ug/l	5				-		
Chloroethane	< 1		ug/l	1				-		
Chlorobenzene	< 1		ug/l	1				-		
Bromochloromethane	< 5		ug/l	5				-		
Carbon Disulfide	< 5		ug/l	5				-		
Bromomethane	< 1		ug/l	1				-		
cis-1,3-Dichloropropene	< 1		ug/l	1				-		
Bromoform	< 4		ug/l	4				-		
Bromodichloromethane	< 1		ug/l	1				-		
Carbon Tetrachloride	< 1		ug/l	1				-		
Surrogate: 1,2-Dichloroethane-d4	*51*		ug/l		*50*		*101*	*80-120*		
Surrogate: 4-Bromofluorobenzene	*49*		ug/l		*50*		*98*	*80-120*		
Surrogate: Toluene-d8	*52*		ug/l		*50*		*103*	*80-120*		
Surrogate: Dibromofluoromethane	*48*		ug/l		*50*		*96*	*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 519222A - SM 2540D-11										
Blank (CF34322-BLK)					Prepared & Analyzed: 20-Feb-20					
Total Suspended Solids	< 2.5		mg/l	2.5	68.2		BRL	-		
LCS (CF34322-LCS)					Prepared & Analyzed: 20-Feb-20					
Total Suspended Solids	**64.00**		mg/l	2.5	68.2		94	85-115		20
SM2540C-11										
Batch 519230A - SM2540C-11										
Blank (CF33791-BLK)					Prepared & Analyzed: 20-Feb-20					
Tot. Diss. Solids	< 10		mg/l	10	259		BRL	-		
LCS (CF33791-LCS)					Prepared & Analyzed: 20-Feb-20					
Tot. Diss. Solids	**241.0**		mg/l	10	259		93	85-115		20
SW9010C/SW9012B										
Batch 519154A - SM 4500 CN										
Blank (CF34116-BLK)					Prepared: 19-Feb-20 Analyzed: 24-Feb-20					
Total Cyanide	< 0.010	c1	mg/l	0.010			BRL	-		
LCS (CF34116-LCS)					Prepared: 19-Feb-20 Analyzed: 24-Feb-20					
Total Cyanide	**0.4090**	c1	mg/l	0.010	0.438		93.4	90-110		20

Notes and Definitions

c1	Cyanide blank spike recory was 105 %.
J.	Estimated value
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference
OG	The required Matrix Spike and Matrix Spike Duplicate (MS/MSD) for Oil & Grease method 1664B can only be analyzed when the client has submitted sufficient sample volume. An extra liter per MS/MSD is required to fulfill the method QC criteria. Please refer to Chain of Custody and QC Summary (MS/MSD) of the Laboratory Report to verify ample sample volume was submitted to fulfill the requirement.

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

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

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

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

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

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

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

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

Fed Ex # 8139 4282 5292 SC57537

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CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:

- [X] Standard TAT - 7 to 10 business days
- [X] Rush TAT - Date Needed: 2/25/20 (5 days)

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

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

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

Invoice To: Same

P.O No.: _____ Quote #: _____

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

F=Field Filtered 1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11= none 12= _____

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

G= Grab C=Compsite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	List Preservative Code below: 2	4	11	3	5	Check if chlorinated
										8260	Metals*	TSS/TDS	O+G	Cyanide	
SC57537-01	EFF55 021820	2/18/20	1245	G	GW	3	1		4	X	X	X	X	X	☐
-02	INF 021820		1230				1		4		X	X	X	X	☐
-03	TW-1 021820		1225												☐
-04	TW-2A 021820		1240												☐
-05	TW-3 021820		1235												☐
-06	TB 021820	—	—	—	—	2									☐
															☐
															☐
															☐
															☐

QA/QC Reporting Notes:
* additional charges may appply

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

*Al, As, Ba, Cr, Co, Fe, Mn, Hg, Zn, Ni;

Relinquished by:	Received by:	Date:	Time:
[signature] FedEx	FedEx [signature]	2/18/20	1626
		2/19/20	1000

Temp °C: Observed 3.6; Correction Factor 0; Corrected 3.6; IR ID # 1

☐ 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

FedEx Express Package US Airbill

FedEx Tracking Number 8139 4282 5292

Form ID No. 0215

MUR3

1 From

Date 2/12/20

Sender's Name [redacted] Phone [redacted]

Company [redacted]

Address [redacted] Dept./Floor/Suite/Room

City [redacted] State [redacted] ZIP [redacted]

2 Your Internal Billing Reference

6027662[illegible]-1

3 To

Recipient's Name [redacted] Phone 412 [redacted]

Company [redacted]

Address [redacted] Dept./Floor/Suite/Room

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

Address

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

City [redacted] State [redacted] ZIP [redacted]

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.

8139 4282 5292

4 Express Package Service

* To most locations.

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

Fees may apply. See the FedEx Service Guide.

- [ ] 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.
- [ ] Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only.

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

Restrictions apply for dangerous goods — see the current FedEx Service Guide.

- [ ] 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 [redacted] Total Weight [redacted] lbs. Credit Card Auth. [redacted]

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

611

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Batch Summary

200510571310

Subcontracted Analyses

P05171JBB
P05171JQQ
SC57537-01 (EFF55 021820)
SC57537-02 (INF 021820)

200511404403

Subcontracted Analyses

P05104CBB
P05104CBC
P05104CQQ
P05104CQR
P263372D221354
P263372D221725
P263372M221401
P263372R221358
SC57537-01 (EFF55 021820)
SC57537-01RE01 (EFF55 021820)
SC57537-02 (INF 021820)
SC57537-02RE01 (INF 021820)

20052807901A

Subcontracted Analyses

B052101B
L052101Q
L052101Y
SC57537-01 (EFF55 021820)
SC57537-02 (INF 021820)

200551404704A

Subcontracted Analyses

P05504DBB
P05504DQQ
P263372D222036A
P263372M222039A
P263372R222038A
SC57537-01 (EFF55 021820)
SC57537-02 (INF 021820)

519154A

Subcontracted Analyses

CF34116-BLK
CF34116-LCS
SC57537-01 (EFF55 021820)
SC57537-02 (INF 021820)

519222A

Subcontracted Analyses

CF34322-BLK
CF34322-LCS
SC57537-01 (EFF55 021820)
SC57537-02 (INF 021820)

519230A

Subcontracted Analyses

CF33791-BLK
CF33791-LCS
SC57537-01 (EFF55 021820)
SC57537-02 (INF 021820)

Y200541AA

Subcontracted Analyses

LCSY02Q
LCSY02Y
LCSY03Q
LCSY03Y
SC57537-01 (EFF55 021820)
SC57537-02 (INF 021820)
SC57537-03 (TW-1 021820)
SC57537-04 (TW-2A 021820)
SC57537-05 (TW-3 021820)
SC57537-06 (TB)
VBLKY02B