

**Operation, Maintenance and Monitoring Report
September 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

October 2019

October 30, 2019

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: September 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 22-day period (**August 27 – September 18, 2019**).

With the exceptions noted below, if any, the pump and treat system was online and operational throughout the reporting period. Approximately 138,000 gallons of water were treated. Discharge from the treatment system averaged approximately 6,300 gallons per day (gpd).

As of the last day of the reporting period, a total of 117,170,000 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 September 21, 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 3,063 ug/L; last month's value was 3,191 ug/L.

Table 2 presents operational data recorded on the sampling date.

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

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

September 18 – Performed monthly system inspection and influent and effluent sampling. Weed wacked around the building and performed general cleanup in building interior.

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

Page 2
Mr. Payson Long
NYSDEC

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.

A handwritten signature in dark ink, appearing to read "Stephen Choiniere". The signature is fluid and cursive, with a horizontal line extending from the end.

Stephen R. Choiniere
Project Manager

Table 1
Summary of Influent and Effluent Data
Sampling Date: September 18, 2019
NOW Corporation Site
NYSDEC Site No. 3-14-008
Town of Clinton, New York

Analytes/ Parameters	Total Influent	Effluent	Recovery Wells			Effluent Limitations	
			TW-1	TW-2A	TW-3		(units)
Quantity treated, avg per day		6,256				Monitor	gallons
pH	6.8	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	280	280	NA	NA	NA	1000	mg/L
TSS	6.0	<2.5	NA	NA	NA	50	mg/L
Aluminum, Total	<25	<25	NA	NA	NA	Monitor	ug/L
Arsenic, Total	<2	<2	NA	NA	NA	100	ug/L
Barium, Total	79.2	86.0	NA	NA	NA	Monitor	ug/L
Chromium	0.63 J	<1	NA	NA	NA	400	ug/L
Copper	2.4	0.79 J	NA	NA	NA	24	ug/L
Iron	404	<50	NA	NA	NA	600	ug/L
Mercury	<0.2	<0.2	NA	NA	NA	0.8	ug/L
Manganese	495	30.1	NA	NA	NA	Monitor	ug/L
Nickel	2.0	1.6	NA	NA	NA	200	ug/L
Zinc	<10	<10	NA	NA	NA	150	ug/L
1,1,1-Trichloroethane	970	<1	1.3	2,000	18	10	ug/L
1,1,2-Trichloroethane	<5	<1	<1	<5	<1	1.2	ug/L
1,1-Dichloroethane	210	<1	29	420	27	10	ug/L
1,1-Dichloroethene	15	<1	9.2	23	2.6	0.5	ug/L
1,2-Dichloroethane	<5	<1	<1	<5	<1	1.6	ug/L
2-Butanone	<25	<5	<5	<25	<5	NL	ug/L
Benzene	<5	<1	<1	<5	<1	1.4	ug/L
Chlorobenzene	<5	<1	<1	<5	<1	10	ug/L
Chloroethane	<5	<1	<1	<5	<1	10	ug/L
cis -1,2-Dichloroethene	6.0	<1	3.8	10	0.56 J	5	ug/L
Ethylbenzene	<5	<1	<1	<5	<1	10	ug/L
o-Xylene	<5	<1	<1	<5	<1	5	ug/L
m,p-Xylene	<5	<1	<1	<5	<1	10	ug/L
Tetrachloroethene	<5	<1	<1	<5	<1	1.4	ug/L
Tetrahydrofuran	<10	3.0	<2	<10	<2	NL	ug/L
Toluene	<5	<1	<1	<5	<1	10	ug/L
Trichloroethene	300	<1	42	610	21	6	ug/L
Vinyl Chloride	<5	<1	<1	<5	<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 September 2019 O&M Data

NOW Corporation Site
Town of Clinton, New York

Instrumentation/Readings:		9/18/19	Units
<i>TW-1</i>			
	Pumping Rate	0	GPM
	Water Level Above Transducer	14.94	feet
	Flow Meter Reading	9,338,558	gallons
	Pump Pressure	0	psi
<i>TW-2A</i>			
	Pumping Rate	8	GPM
	Water Level Above Transducer	21.99	feet
	Flow Meter Reading	20,149,974	gallons
	Pump Pressure	0	psi
<i>TW-3</i>			
	Pumping Rate	3	GPM
	Water Level Above Transducer	25.45	feet
	Flow Meter Reading	16,817,109	gallons
	Pump Pressure	0	psi
<i>VFD Setting</i>			
	Arrival	55	Hz
	Departure	55	Hz
<i>Air Stripper</i>			
	Stripper Blower Pressure	12.5	inches H ₂ O
	Air Temperature in Stripper	56	°F
<i>Effluent Flow</i>			
	Effluent Flow this period	137,625	gallons
	Total Effluent Flow	117,170,012	gallons

Report Date:
 30-Sep-19 14:50

Laboratory Report **SC56201**

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



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 39 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Eurofins 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: SC56201
Project: Now Corp - Staatsburg, NY
Project Number: 60276639-1

<u>Laboratory ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
SC56201-01	EFF55 091819	Ground Water	18-Sep-19 13:43	19-Sep-19 10:50
SC56201-02	INF 091819	Ground Water	18-Sep-19 13:33	19-Sep-19 10:50
SC56201-03	TW-1 091819	Ground Water	18-Sep-19 13:30	19-Sep-19 10:50
SC56201-04	TW-2A 091819	Ground Water	18-Sep-19 13:40	19-Sep-19 10:50
SC56201-05	TW-3 091819	Ground Water	18-Sep-19 13:35	19-Sep-19 10:50
SC56201-06	TB 091819	Trip Blank	18-Sep-19 00:00	19-Sep-19 10:50

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 3.1 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.

SW-846 7470A, Metals

Batch #: 192660571301 (Sample number(s): 1155150-1155151 UNSPK: 1155151 BKG: 1155151)
The recovery(ies) for the following analyte(s) in the MS and/or MSD exceeded the acceptance window indicating a positive bias: Mercury

Receipt

The samples were received on 9/20/2019 10:15 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.2° C.

GC/MS VOA

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: SC56201-02

(460-192070-2) and SC56201-04 (460-192070-4). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 460-642214 was outside the method criteria for the following analytes: Dichlorodifluoromethane (bias high), 1,1,2,2-Tetrachloroethane and Methyl acetate (bias low). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method,

sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8260C: The laboratory control sample duplicate (LCSD) for analytical batch 460-642214 recovered outside the lower control limit

for 1,1,2,2-Tetrachloroethane.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 460-642474 was outside the method criteria for the following analytes: 1,1,2-Trichlorotrifluoroethane, 1,1,2,2-Tetrachloroethane and Methyl acetate. A CCV standard at or below the reporting

limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8260C: The laboratory control sample duplicate (LCSD) for analytical batch 460-642474 recovered outside control limits for 2-Hexanone. The analyte was biased high in the LCSD and was not detected in the associated samples; therefore, the data have been

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

8260C

Laboratory Control Samples:

642214-30

LCS or LCSD is outside acceptance limits.

1,1,2,2-Tetrachloroethane

642474-12

LCS or LCSD is outside acceptance limits.

2-Hexanone

Samples:

SC56201-01

EFF55 091819

Compound was found in the blank and sample.

Bromomethane

8260C

Samples:

SC56201-01 *EFF55 091819*

LCS or LCSD is outside acceptance limits.

1,1,2,2-Tetrachloroethane

SC56201-02 *INF 091819*

Compound was found in the blank and sample.

Bromomethane

LCS or LCSD is outside acceptance limits.

1,1,2,2-Tetrachloroethane

SC56201-03 *TW-1 091819*

Compound was found in the blank and sample.

Bromomethane

LCS or LCSD is outside acceptance limits.

1,1,2,2-Tetrachloroethane

SC56201-04 *TW-2A 091819*

Compound was found in the blank and sample.

Bromomethane

LCS or LCSD is outside acceptance limits.

1,1,2,2-Tetrachloroethane

SC56201-05 *TW-3 091819*

Compound was found in the blank and sample.

Bromomethane

LCS or LCSD is outside acceptance limits.

1,1,2,2-Tetrachloroethane

SC56201-06 *TB 091819*

LCS or LCSD is outside acceptance limits.

2-Hexanone

SW-846 7470A

Spikes:

P155151M221045 *Source: SC56201-02*

Outside of specification

Mercury

P155151R221043 *Source: SC56201-02*

Outside of specification

Mercury

Sample Acceptance Check Form

Client: AECOM Environment - Latham, NY
Project: Now Corp - Staatsburg, NY / 60276639-1
Work Order: SC56201
Sample(s) received on: 9/19/2019

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

	<u>Yes</u>	<u>No</u>	<u>N/A</u>
Were custody seals present?	☒	☐	☐
Were custody seals intact?	☒	☐	☐
Were samples received at a temperature of $\leq 6^{\circ}\text{C}$?	☒	☐	☐
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: SC56201-01

Client ID: EFF55 091819

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Bromomethane	0.71	Ja, B	1.0	ug/l	8260C
Tetrahydrofuran	3.0		2.0	ug/l	8260C
Tot. Diss. Solids	280		10	mg/l	SM2540C-11
Barium	0.0860		0.0020	mg/l	SW-846 6020B
Copper	0.00079	J	0.0010	mg/l	SW-846 6020B
Manganese	0.0301		0.0020	mg/l	SW-846 6020B
Nickel	0.0016		0.0010	mg/l	SW-846 6020B

Lab ID: SC56201-02

Client ID: INF 091819

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
1,1,1-Trichloroethane	970	Ja, B	5.0	ug/l	8260C
1,1-Dichloroethane	210		5.0	ug/l	8260C
1,1-Dichloroethene	15		5.0	ug/l	8260C
Bromomethane	3.5		5.0	ug/l	8260C
cis-1,2-Dichloroethene	6.0	J	5.0	ug/l	8260C
Trichloroethene	300		5.0	ug/l	8260C
Total Suspended Solids	6.0		5.0	mg/l	SM 2540D-11
Tot. Diss. Solids	280		10	mg/l	SM2540C-11
Barium	0.0792	J	0.0020	mg/l	SW-846 6020B
Chromium	0.00063		0.0010	mg/l	SW-846 6020B
Copper	0.0024		0.0010	mg/l	SW-846 6020B
Iron	0.404		0.0500	mg/l	SW-846 6020B
Manganese	0.495		0.0040	mg/l	SW-846 6020B
Nickel	0.0020		0.0010	mg/l	SW-846 6020B

Lab ID: SC56201-03

Client ID: TW-1 091819

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
1,1,1-Trichloroethane	1.3	Ja, B	1.0	ug/l	8260C
1,1-Dichloroethane	29		1.0	ug/l	8260C
1,1-Dichloroethene	9.2		1.0	ug/l	8260C
Bromomethane	0.73		1.0	ug/l	8260C
cis-1,2-Dichloroethene	3.8		1.0	ug/l	8260C
Trichloroethene	42		1.0	ug/l	8260C

Lab ID: SC56201-04

Client ID: TW-2A 091819

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
1,1,1-Trichloroethane	2000	Ja, B	5.0	ug/l	8260C
1,1-Dichloroethane	420		5.0	ug/l	8260C
1,1-Dichloroethene	23		5.0	ug/l	8260C
Bromomethane	2.9		5.0	ug/l	8260C
cis-1,2-Dichloroethene	10		5.0	ug/l	8260C
Trichloroethene	610		5.0	ug/l	8260C

This laboratory report is not valid without an authorized signature on the cover page.

Lab ID: SC56201-05

Client ID: TW-3 091819

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
1,1,1-Trichloroethane	18		1.0	ug/l	8260C
1,1-Dichloroethane	27		1.0	ug/l	8260C
1,1-Dichloroethene	2.6		1.0	ug/l	8260C
Bromomethane	0.67	Ja, B	1.0	ug/l	8260C
cis-1,2-Dichloroethene	0.56	Ja	1.0	ug/l	8260C
Trichloroethene	21		1.0	ug/l	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

EFF55 091819

SC56201-01

Client Project #

60276639-1

Matrix

Ground Water

Collection Date/Time

18-Sep-19 13:43

Received

19-Sep-19

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
Subcontracted Analyses													
Subcontracted Analyses													
Prepared by method 5030C													
Analysis performed by TestAmerica Analytical Testing Corp.-Edison, NJ - 11452													
630-20-6	1,1,1,2-Tetrachloroethane	< 1.0		ug/l	1.0	0.27	1	8260C	27-Sep-19 06:13	27-Sep-19 06:13	11452	642214	
71-55-6	1,1,1-Trichloroethane	< 1.0		ug/l	1.0	0.24	1	"	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	< 1.0	*	ug/l	1.0	0.37	1	"	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	< 1.0		ug/l	1.0	0.43	1	"	"	"	"	"	"
76-13-1	1,1,2-Trichlorotrifluoroethane	< 1.0		ug/l	1.0	0.31	1	"	"	"	"	"	"
75-34-3	1,1-Dichloroethane	< 1.0		ug/l	1.0	0.26	1	"	"	"	"	"	"
75-35-4	1,1-Dichloroethene	< 1.0		ug/l	1.0	0.26	1	"	"	"	"	"	"
563-58-6	1,1-Dichloropropene	< 1.0		ug/l	1.0	0.25	1	"	"	"	"	"	"
87-61-6	1,2,3-Trichlorobenzene	< 1.0		ug/l	1.0	0.36	1	"	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	< 1.0		ug/l	1.0	0.66	1	"	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	< 1.0		ug/l	1.0	0.37	1	"	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	< 1.0		ug/l	1.0	0.37	1	"	"	"	"	"	"
96-12-8	1,2-Dibromo-3-Chloropropane	< 1.0		ug/l	1.0	0.38	1	"	"	"	"	"	"
106-93-4	1,2-Dibromoethane	< 1.0		ug/l	1.0	0.50	1	"	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	< 1.0		ug/l	1.0	0.43	1	"	"	"	"	"	"
107-06-2	1,2-Dichloroethane	< 1.0		ug/l	1.0	0.43	1	"	"	"	"	"	"
78-87-5	1,2-Dichloropropane	< 1.0		ug/l	1.0	0.35	1	"	"	"	"	"	"
108-70-3	1,3,5-Trichlorobenzene	< 1.0		ug/l	1.0	0.23	1	"	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	< 1.0		ug/l	1.0	0.33	1	"	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	< 1.0		ug/l	1.0	0.34	1	"	"	"	"	"	"
142-28-9	1,3-Dichloropropane	< 1.0		ug/l	1.0	0.50	1	"	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	< 1.0		ug/l	1.0	0.33	1	"	"	"	"	"	"
123-91-1	1,4-Dioxane	< 50		ug/l	50	28	1	"	"	"	"	"	"
594-20-7	2,2-Dichloropropane	< 2.0		ug/l	2.0	1.7	1	"	"	"	"	"	"
78-93-3	2-Butanone (MEK)	< 5.0		ug/l	5.0	1.9	1	"	"	"	"	"	"
95-49-8	2-Chlorotoluene	< 1.0		ug/l	1.0	0.38	1	"	"	"	"	"	"
591-78-6	2-Hexanone	< 5.0		ug/l	5.0	1.1	1	"	"	"	"	"	"
106-43-4	4-Chlorotoluene	< 1.0		ug/l	1.0	0.37	1	"	"	"	"	"	"
99-87-6	4-Isopropyltoluene	< 1.0		ug/l	1.0	0.37	1	"	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	< 5.0		ug/l	5.0	1.3	1	"	"	"	"	"	"
67-64-1	Acetone	< 5.0		ug/l	5.0	4.4	1	"	"	"	"	"	"
107-13-1	Acrylonitrile	< 2.0		ug/l	2.0	0.77	1	"	"	"	"	"	"
71-43-2	Benzene	< 1.0		ug/l	1.0	0.20	1	"	"	"	"	"	"
108-86-1	Bromobenzene	< 1.0		ug/l	1.0	0.35	1	"	"	"	"	"	"
74-97-5	Bromochloromethane	< 1.0		ug/l	1.0	0.41	1	"	"	"	"	"	"
75-27-4	Bromodichloromethane	< 1.0		ug/l	1.0	0.34	1	"	"	"	"	"	"
75-25-2	Bromoform	< 1.0		ug/l	1.0	0.54	1	"	"	"	"	"	"
74-83-9	Bromomethane	0.71	Ja, B	ug/l	1.0	0.55	1	"	"	"	"	"	"
75-15-0	Carbon disulfide	< 1.0		ug/l	1.0	0.82	1	"	"	"	"	"	"
56-23-5	Carbon tetrachloride	< 1.0		ug/l	1.0	0.21	1	"	"	"	"	"	"
108-90-7	Chlorobenzene	< 1.0		ug/l	1.0	0.38	1	"	"	"	"	"	"

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Sample Identification

EFF55 091819

SC56201-01

Client Project #

60276639-1

Matrix

Ground Water

Collection Date/Time

18-Sep-19 13:43

Received

19-Sep-19

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Subcontracted AnalysesSubcontracted Analyses*Analysis performed by TestAmerica Analytical Testing Corp.-Edison, NJ - 11452*

75-00-3	Chloroethane	< 1.0		ug/l	1.0	0.32	1	8260C	27-Sep-19 06:13	27-Sep-19 06:13	11452	642214	
67-66-3	Chloroform	< 1.0		ug/l	1.0	0.33	1	"	"	"	"	"	
74-87-3	Chloromethane	< 1.0		ug/l	1.0	0.40	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	< 1.0		ug/l	1.0	0.22	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	< 1.0		ug/l	1.0	0.22	1	"	"	"	"	"	
110-82-7	Cyclohexane	< 1.0		ug/l	1.0	0.32	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	< 1.0		ug/l	1.0	0.28	1	"	"	"	"	"	
74-95-3	Dibromomethane	< 1.0		ug/l	1.0	0.60	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane	< 1.0		ug/l	1.0	0.31	1	"	"	"	"	"	
108-20-3	Diisopropyl ether	< 1.0		ug/l	1.0	0.45	1	"	"	"	"	"	
64-17-5	Ethanol	< 200		ug/l	200	60	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 1.0		ug/l	1.0	0.21	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 1.0		ug/l	1.0	0.41	1	"	"	"	"	"	
100-41-4	Ethylbenzene	< 1.0		ug/l	1.0	0.30	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	< 1.0		ug/l	1.0	0.60	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	< 1.0		ug/l	1.0	0.34	1	"	"	"	"	"	
179601-23-1	m-Xylene & p-Xylene	< 1.0		ug/l	1.0	0.30	1	"	"	"	"	"	
79-20-9	Methyl acetate	< 5.0		ug/l	5.0	0.79	1	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	< 1.0		ug/l	1.0	0.47	1	"	"	"	"	"	
108-87-2	Methylcyclohexane	< 1.0		ug/l	1.0	0.26	1	"	"	"	"	"	
75-09-2	Methylene Chloride	< 1.0		ug/l	1.0	0.32	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	< 1.0		ug/l	1.0	0.32	1	"	"	"	"	"	
103-65-1	N-Propylbenzene	< 1.0		ug/l	1.0	0.32	1	"	"	"	"	"	
91-20-3	Naphthalene	< 1.0		ug/l	1.0	0.88	1	"	"	"	"	"	
95-47-6	o-Xylene	< 1.0		ug/l	1.0	0.36	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	< 1.0		ug/l	1.0	0.37	1	"	"	"	"	"	
100-42-5	Styrene	< 1.0		ug/l	1.0	0.42	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	< 1.0		ug/l	1.0	0.45	1	"	"	"	"	"	
75-65-0	tert-Butanol	< 10		ug/l	10	8.3	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	< 1.0		ug/l	1.0	0.34	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	< 1.0		ug/l	1.0	0.25	1	"	"	"	"	"	
109-99-9	Tetrahydrofuran	3.0		ug/l	2.0	1.0	1	"	"	"	"	"	
108-88-3	Toluene	< 1.0		ug/l	1.0	0.38	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	< 1.0		ug/l	1.0	0.24	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	< 1.0		ug/l	1.0	0.49	1	"	"	"	"	"	
110-57-6	trans-1,4-Dichloro-2-buten e	< 1.0		ug/l	1.0	0.34	1	"	"	"	"	"	
79-01-6	Trichloroethene	< 1.0		ug/l	1.0	0.31	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane	< 1.0		ug/l	1.0	0.32	1	"	"	"	"	"	
75-01-4	Vinyl chloride	< 1.0		ug/l	1.0	0.17	1	"	"	"	"	"	
1330-20-7	Xylenes, Total	< 2.0		ug/l	2.0	0.65	1	"	"	"	"	"	

Surrogate recoveries:

17060-07-0	1,2-Dichloroethane-d4 (Surr)	99			74-132 %		"	"	"	"	"	"	
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Sample Identification

EFF55 091819

SC56201-01

Client Project #

60276639-1

Matrix

Ground Water

Collection Date/Time

18-Sep-19 13:43

Received

19-Sep-19

<u>CAS No.</u>	<u>Analyte(s)</u>	<u>Result</u>	<u>Flag</u>	<u>Units</u>	<u>*RDL</u>	<u>MDL</u>	<u>Dilution</u>	<u>Method Ref.</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Analyst</u>	<u>Batch</u>	<u>Cert.</u>
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Subcontracted AnalysesSubcontracted Analyses*Analysis performed by TestAmerica Analytical Testing Corp.-Edison, NJ - 11452*

460-00-4	4-Bromofluorobenzene	97			77-124 %			8260C	27-Sep-19 06:13	-Sep-19 06:13	11452	642214	
1868-53-7	Dibromofluoromethane (Surr)	100			72-131 %			"	"	"	"	"	"
2037-26-5	Toluene-d8 (Surr)	96			80-120 %			"	"	"	"	"	"

Subcontracted AnalysesPrepared 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	24-Sep-19 15:16	24-Sep-19 15:16	10670	26780790	
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Subcontracted AnalysesPrepared 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 6020B	24-Sep-19 04:11	26-Sep-19 22:36	10670	66140471	
7440-38-2	Arsenic	< 0.0020		mg/l	0.0020	0.00068	1	"	"	"	"	"	"
7440-39-3	Barium	0.0860		mg/l	0.0020	0.00075	1	"	"	"	"	"	"
7440-47-3	Chromium	< 0.0010		mg/l	0.0010	0.00033	1	"	"	"	"	"	"
7440-50-8	Copper	0.00079	J	mg/l	0.0010	0.00036	1	"	"	"	"	"	"
7439-89-6	Iron	< 0.0500		mg/l	0.0500	0.0228	1	"	"	"	"	"	"
7439-96-5	Manganese	0.0301		mg/l	0.0020	0.00063	1	"	"	"	"	"	"
7440-02-0	Nickel	0.0016		mg/l	0.0010	0.00060	1	"	"	28-Sep-19 00:52	"	"	"
7440-66-6	Zinc	< 0.0100		mg/l	0.0100	0.0062	1	"	"	26-Sep-19 22:36	"	"	"

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-Sep-19 06:02	23-Sep-19 10:47	10670	26605713	
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Subcontracted AnalysesPrepared 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-Sep-19 05:09	20-Sep-19 05:09	11301	497766A	
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Prepared by method SM2540C-11*Analysis performed by Phoenix Environmental Labs, Inc. *- CT007*

Tot. Diss. Solids	280			mg/l	10	10	1	SM2540C-11	20-Sep-19 13:19	20-Sep-19 13:19	11301	497859A	
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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	21-Sep-19	23-Sep-19 13:19	11301	498012A	
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Sample Identification

INF 091819

SC56201-02

Client Project #

60276639-1

Matrix

Ground Water

Collection Date/Time

18-Sep-19 13:33

Received

19-Sep-19

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
Subcontracted Analyses													
Subcontracted Analyses													
Prepared by method 5030C													
Analysis performed by TestAmerica Analytical Testing Corp.-Edison, NJ - 11452													
630-20-6	1,1,1,2-Tetrachloroethane	< 5.0		ug/l	5.0	1.3	5	8260C	27-Sep-19 07:25	27-Sep-19 07:25	11452	642214	
71-55-6	1,1,1-Trichloroethane	970		ug/l	5.0	1.2	5	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	< 5.0	*	ug/l	5.0	1.8	5	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	< 5.0		ug/l	5.0	2.2	5	"	"	"	"	"	
76-13-1	1,1,2-Trichlorotrifluoroethane	< 5.0		ug/l	5.0	1.6	5	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	210		ug/l	5.0	1.3	5	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	15		ug/l	5.0	1.3	5	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	< 5.0		ug/l	5.0	1.3	5	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	< 5.0		ug/l	5.0	1.8	5	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	< 5.0		ug/l	5.0	3.3	5	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	< 5.0		ug/l	5.0	1.8	5	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	< 5.0		ug/l	5.0	1.9	5	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-Chloropropane	< 5.0		ug/l	5.0	1.9	5	"	"	"	"	"	
106-93-4	1,2-Dibromoethane	< 5.0		ug/l	5.0	2.5	5	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	< 5.0		ug/l	5.0	2.2	5	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	< 5.0		ug/l	5.0	2.2	5	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	< 5.0		ug/l	5.0	1.8	5	"	"	"	"	"	
108-70-3	1,3,5-Trichlorobenzene	< 5.0		ug/l	5.0	1.1	5	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	< 5.0		ug/l	5.0	1.6	5	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	< 5.0		ug/l	5.0	1.7	5	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	< 5.0		ug/l	5.0	2.5	5	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	< 5.0		ug/l	5.0	1.7	5	"	"	"	"	"	
123-91-1	1,4-Dioxane	< 250		ug/l	250	140	5	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	< 10		ug/l	10	8.5	5	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	< 25		ug/l	25	9.3	5	"	"	"	"	"	
95-49-8	2-Chlorotoluene	< 5.0		ug/l	5.0	1.9	5	"	"	"	"	"	
591-78-6	2-Hexanone	< 25		ug/l	25	5.7	5	"	"	"	"	"	
106-43-4	4-Chlorotoluene	< 5.0		ug/l	5.0	1.9	5	"	"	"	"	"	
99-87-6	4-Isopropyltoluene	< 5.0		ug/l	5.0	1.8	5	"	"	"	"	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	< 25		ug/l	25	6.5	5	"	"	"	"	"	
67-64-1	Acetone	< 25		ug/l	25	22	5	"	"	"	"	"	
107-13-1	Acrylonitrile	< 10		ug/l	10	3.8	5	"	"	"	"	"	
71-43-2	Benzene	< 5.0		ug/l	5.0	1.0	5	"	"	"	"	"	
108-86-1	Bromobenzene	< 5.0		ug/l	5.0	1.8	5	"	"	"	"	"	
74-97-5	Bromochloromethane	< 5.0		ug/l	5.0	2.1	5	"	"	"	"	"	
75-27-4	Bromodichloromethane	< 5.0		ug/l	5.0	1.7	5	"	"	"	"	"	
75-25-2	Bromoform	< 5.0		ug/l	5.0	2.7	5	"	"	"	"	"	
74-83-9	Bromomethane	3.5	Ja, B	ug/l	5.0	2.8	5	"	"	"	"	"	
75-15-0	Carbon disulfide	< 5.0		ug/l	5.0	4.1	5	"	"	"	"	"	
56-23-5	Carbon tetrachloride	< 5.0		ug/l	5.0	1.0	5	"	"	"	"	"	
108-90-7	Chlorobenzene	< 5.0		ug/l	5.0	1.9	5	"	"	"	"	"	

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Sample Identification

INF 091819

SC56201-02

Client Project #

60276639-1

Matrix

Ground Water

Collection Date/Time

18-Sep-19 13:33

Received

19-Sep-19

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Subcontracted AnalysesSubcontracted Analyses*Analysis performed by TestAmerica Analytical Testing Corp.-Edison, NJ - 11452*

75-00-3	Chloroethane	< 5.0		ug/l	5.0	1.6	5	8260C	27-Sep-19 07:25	27-Sep-19 07:25	11452	642214	
67-66-3	Chloroform	< 5.0		ug/l	5.0	1.6	5	"	"	"	"	"	
74-87-3	Chloromethane	< 5.0		ug/l	5.0	2.0	5	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	6.0		ug/l	5.0	1.1	5	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	< 5.0		ug/l	5.0	1.1	5	"	"	"	"	"	
110-82-7	Cyclohexane	< 5.0		ug/l	5.0	1.6	5	"	"	"	"	"	
124-48-1	Dibromochloromethane	< 5.0		ug/l	5.0	1.4	5	"	"	"	"	"	
74-95-3	Dibromomethane	< 5.0		ug/l	5.0	3.0	5	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane	< 5.0		ug/l	5.0	1.6	5	"	"	"	"	"	
108-20-3	Diisopropyl ether	< 5.0		ug/l	5.0	2.3	5	"	"	"	"	"	
64-17-5	Ethanol	< 1000		ug/l	1000	300	5	"	"	"	"	"	
60-29-7	Ethyl ether	< 5.0		ug/l	5.0	1.1	5	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 5.0		ug/l	5.0	2.0	5	"	"	"	"	"	
100-41-4	Ethylbenzene	< 5.0		ug/l	5.0	1.5	5	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	< 5.0		ug/l	5.0	3.0	5	"	"	"	"	"	
98-82-8	Isopropylbenzene	< 5.0		ug/l	5.0	1.7	5	"	"	"	"	"	
179601-23-1	m-Xylene & p-Xylene	< 5.0		ug/l	5.0	1.5	5	"	"	"	"	"	
79-20-9	Methyl acetate	< 25		ug/l	25	3.9	5	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	< 5.0		ug/l	5.0	2.3	5	"	"	"	"	"	
108-87-2	Methylcyclohexane	< 5.0		ug/l	5.0	1.3	5	"	"	"	"	"	
75-09-2	Methylene Chloride	< 5.0		ug/l	5.0	1.6	5	"	"	"	"	"	
104-51-8	n-Butylbenzene	< 5.0		ug/l	5.0	1.6	5	"	"	"	"	"	
103-65-1	N-Propylbenzene	< 5.0		ug/l	5.0	1.6	5	"	"	"	"	"	
91-20-3	Naphthalene	< 5.0		ug/l	5.0	4.4	5	"	"	"	"	"	
95-47-6	o-Xylene	< 5.0		ug/l	5.0	1.8	5	"	"	"	"	"	
135-98-8	sec-Butylbenzene	< 5.0		ug/l	5.0	1.8	5	"	"	"	"	"	
100-42-5	Styrene	< 5.0		ug/l	5.0	2.1	5	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	< 5.0		ug/l	5.0	2.3	5	"	"	"	"	"	
75-65-0	tert-Butanol	< 50		ug/l	50	41	5	"	"	"	"	"	
98-06-6	tert-Butylbenzene	< 5.0		ug/l	5.0	1.7	5	"	"	"	"	"	
127-18-4	Tetrachloroethene	< 5.0		ug/l	5.0	1.2	5	"	"	"	"	"	
109-99-9	Tetrahydrofuran	< 10		ug/l	10	5.2	5	"	"	"	"	"	
108-88-3	Toluene	< 5.0		ug/l	5.0	1.9	5	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	< 5.0		ug/l	5.0	1.2	5	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	< 5.0		ug/l	5.0	2.4	5	"	"	"	"	"	
110-57-6	trans-1,4-Dichloro-2-buten e	< 5.0		ug/l	5.0	1.7	5	"	"	"	"	"	
79-01-6	Trichloroethene	300		ug/l	5.0	1.6	5	"	"	"	"	"	
75-69-4	Trichlorofluoromethane	< 5.0		ug/l	5.0	1.6	5	"	"	"	"	"	
75-01-4	Vinyl chloride	< 5.0		ug/l	5.0	0.86	5	"	"	"	"	"	
1330-20-7	Xylenes, Total	< 10		ug/l	10	3.3	5	"	"	"	"	"	

Surrogate recoveries:

17060-07-0	1,2-Dichloroethane-d4 (Surr)	98			74-132 %			"	"	"	"	"	
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Sample Identification

INF 091819

SC56201-02

Client Project #

60276639-1

Matrix

Ground Water

Collection Date/Time

18-Sep-19 13:33

Received

19-Sep-19

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
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Subcontracted AnalysesSubcontracted Analyses*Analysis performed by TestAmerica Analytical Testing Corp.-Edison, NJ - 11452*

460-00-4	4-Bromofluorobenzene	95			77-124 %			8260C	27-Sep-19 07:25	27-Sep-19 07:25	11452	642214	
1868-53-7	Dibromofluoromethane (Surr)	102			72-131 %			"	"	"	"	"	
2037-26-5	Toluene-d8 (Surr)	95			80-120 %			"	"	"	"	"	

Subcontracted AnalysesPrepared 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	24-Sep-19 15:17	24-Sep-19 15:17	10670	26780790	
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Subcontracted AnalysesPrepared 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 6020B	24-Sep-19 04:11	26-Sep-19 22:39	10670	66140471	
7440-38-2	Arsenic	< 0.0020		mg/l	0.0020	0.00068	1	"	"	"	"	"	
7440-39-3	Barium	0.0792		mg/l	0.0020	0.00075	1	"	"	"	"	"	
7440-47-3	Chromium	0.00063	J	mg/l	0.0010	0.00033	1	"	"	"	"	"	
7440-50-8	Copper	0.0024		mg/l	0.0010	0.00036	1	"	"	"	"	"	
7439-89-6	Iron	0.404		mg/l	0.0500	0.0228	1	"	"	"	"	"	
7439-96-5	Manganese	0.495		mg/l	0.0040	0.0013	2	"	"	27-Sep-19 19:42	"	"	
7440-02-0	Nickel	0.0020		mg/l	0.0010	0.00060	1	"	"	28-Sep-19 00:53	"	"	
7440-66-6	Zinc	< 0.0100		mg/l	0.0100	0.0062	1	"	"	26-Sep-19 22:39	"	"	

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-Sep-19 06:02	23-Sep-19 10:39	10670	26605713	
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Subcontracted AnalysesPrepared by method SM 2540D-11*Analysis performed by Phoenix Environmental Labs, Inc. * - CT007*

	Total Suspended Solids	6.0		mg/l	5.0	5.0	1	SM 2540D-11	20-Sep-19 05:09	20-Sep-19 05:09	11301	497766A	
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Prepared by method SM2540C-11*Analysis performed by Phoenix Environmental Labs, Inc. * - CT007*

	Tot. Diss. Solids	280		mg/l	10	10	1	SM2540C-11	20-Sep-19 13:20	20-Sep-19 13:20	11301	497859A	
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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	21-Sep-19 13:20	23-Sep-19 13:20	11301	498012A	
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Sample Identification

TW-1 091819

SC56201-03

Client Project #

60276639-1

Matrix

Ground Water

Collection Date/Time

18-Sep-19 13:30

Received

19-Sep-19

<u>CAS No.</u>	<u>Analyte(s)</u>	<u>Result</u>	<u>Flag</u>	<u>Units</u>	<u>*RDL</u>	<u>MDL</u>	<u>Dilution</u>	<u>Method Ref.</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Analyst</u>	<u>Batch</u>	<u>Cert.</u>
Subcontracted Analyses													
Subcontracted Analyses													
Prepared by method 5030C													
Analysis performed by TestAmerica Analytical Testing Corp.-Edison, NJ - 11452													
630-20-6	1,1,1,2-Tetrachloroethane	< 1.0		ug/l	1.0	0.27	1	8260C	27-Sep-19 06:37	27-Sep-19 06:37	11452	642214	
71-55-6	1,1,1-Trichloroethane	1.3		ug/l	1.0	0.24	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	< 1.0	*	ug/l	1.0	0.37	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	< 1.0		ug/l	1.0	0.43	1	"	"	"	"	"	
76-13-1	1,1,2-Trichlorotrifluoroethane	< 1.0		ug/l	1.0	0.31	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	29		ug/l	1.0	0.26	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	9.2		ug/l	1.0	0.26	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	< 1.0		ug/l	1.0	0.25	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	< 1.0		ug/l	1.0	0.36	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	< 1.0		ug/l	1.0	0.66	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	< 1.0		ug/l	1.0	0.37	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	< 1.0		ug/l	1.0	0.37	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-Chloropropane	< 1.0		ug/l	1.0	0.38	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane	< 1.0		ug/l	1.0	0.50	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	< 1.0		ug/l	1.0	0.43	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	< 1.0		ug/l	1.0	0.43	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	< 1.0		ug/l	1.0	0.35	1	"	"	"	"	"	
108-70-3	1,3,5-Trichlorobenzene	< 1.0		ug/l	1.0	0.23	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	< 1.0		ug/l	1.0	0.33	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	< 1.0		ug/l	1.0	0.34	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	< 1.0		ug/l	1.0	0.50	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	< 1.0		ug/l	1.0	0.33	1	"	"	"	"	"	
123-91-1	1,4-Dioxane	< 50		ug/l	50	28	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	< 2.0		ug/l	2.0	1.7	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	< 5.0		ug/l	5.0	1.9	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	< 1.0		ug/l	1.0	0.38	1	"	"	"	"	"	
591-78-6	2-Hexanone	< 5.0		ug/l	5.0	1.1	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	< 1.0		ug/l	1.0	0.37	1	"	"	"	"	"	
99-87-6	4-Isopropyltoluene	< 1.0		ug/l	1.0	0.37	1	"	"	"	"	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	< 5.0		ug/l	5.0	1.3	1	"	"	"	"	"	
67-64-1	Acetone	< 5.0		ug/l	5.0	4.4	1	"	"	"	"	"	
107-13-1	Acrylonitrile	< 2.0		ug/l	2.0	0.77	1	"	"	"	"	"	
71-43-2	Benzene	< 1.0		ug/l	1.0	0.20	1	"	"	"	"	"	
108-86-1	Bromobenzene	< 1.0		ug/l	1.0	0.35	1	"	"	"	"	"	
74-97-5	Bromochloromethane	< 1.0		ug/l	1.0	0.41	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	< 1.0		ug/l	1.0	0.34	1	"	"	"	"	"	
75-25-2	Bromoform	< 1.0		ug/l	1.0	0.54	1	"	"	"	"	"	
74-83-9	Bromomethane	0.73	Ja, B	ug/l	1.0	0.55	1	"	"	"	"	"	
75-15-0	Carbon disulfide	< 1.0		ug/l	1.0	0.82	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	< 1.0		ug/l	1.0	0.21	1	"	"	"	"	"	
108-90-7	Chlorobenzene	< 1.0		ug/l	1.0	0.38	1	"	"	"	"	"	

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Sample Identification

TW-1 091819

SC56201-03

Client Project #

60276639-1

Matrix

Ground Water

Collection Date/Time

18-Sep-19 13:30

Received

19-Sep-19

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Subcontracted AnalysesSubcontracted Analyses*Analysis performed by TestAmerica Analytical Testing Corp.-Edison, NJ - 11452*

75-00-3	Chloroethane	< 1.0		ug/l	1.0	0.32	1	8260C	27-Sep-19 06:37	27-Sep-19 06:37	11452	642214	
67-66-3	Chloroform	< 1.0		ug/l	1.0	0.33	1	"	"	"	"	"	
74-87-3	Chloromethane	< 1.0		ug/l	1.0	0.40	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	3.8		ug/l	1.0	0.22	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	< 1.0		ug/l	1.0	0.22	1	"	"	"	"	"	
110-82-7	Cyclohexane	< 1.0		ug/l	1.0	0.32	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	< 1.0		ug/l	1.0	0.28	1	"	"	"	"	"	
74-95-3	Dibromomethane	< 1.0		ug/l	1.0	0.60	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane	< 1.0		ug/l	1.0	0.31	1	"	"	"	"	"	
108-20-3	Diisopropyl ether	< 1.0		ug/l	1.0	0.45	1	"	"	"	"	"	
64-17-5	Ethanol	< 200		ug/l	200	60	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 1.0		ug/l	1.0	0.21	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 1.0		ug/l	1.0	0.41	1	"	"	"	"	"	
100-41-4	Ethylbenzene	< 1.0		ug/l	1.0	0.30	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	< 1.0		ug/l	1.0	0.60	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	< 1.0		ug/l	1.0	0.34	1	"	"	"	"	"	
179601-23-1	m-Xylene & p-Xylene	< 1.0		ug/l	1.0	0.30	1	"	"	"	"	"	
79-20-9	Methyl acetate	< 5.0		ug/l	5.0	0.79	1	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	< 1.0		ug/l	1.0	0.47	1	"	"	"	"	"	
108-87-2	Methylcyclohexane	< 1.0		ug/l	1.0	0.26	1	"	"	"	"	"	
75-09-2	Methylene Chloride	< 1.0		ug/l	1.0	0.32	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	< 1.0		ug/l	1.0	0.32	1	"	"	"	"	"	
103-65-1	N-Propylbenzene	< 1.0		ug/l	1.0	0.32	1	"	"	"	"	"	
91-20-3	Naphthalene	< 1.0		ug/l	1.0	0.88	1	"	"	"	"	"	
95-47-6	o-Xylene	< 1.0		ug/l	1.0	0.36	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	< 1.0		ug/l	1.0	0.37	1	"	"	"	"	"	
100-42-5	Styrene	< 1.0		ug/l	1.0	0.42	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	< 1.0		ug/l	1.0	0.45	1	"	"	"	"	"	
75-65-0	tert-Butanol	< 10		ug/l	10	8.3	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	< 1.0		ug/l	1.0	0.34	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	< 1.0		ug/l	1.0	0.25	1	"	"	"	"	"	
109-99-9	Tetrahydrofuran	< 2.0		ug/l	2.0	1.0	1	"	"	"	"	"	
108-88-3	Toluene	< 1.0		ug/l	1.0	0.38	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	< 1.0		ug/l	1.0	0.24	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	< 1.0		ug/l	1.0	0.49	1	"	"	"	"	"	
110-57-6	trans-1,4-Dichloro-2-buten e	< 1.0		ug/l	1.0	0.34	1	"	"	"	"	"	
79-01-6	Trichloroethene	42		ug/l	1.0	0.31	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane	< 1.0		ug/l	1.0	0.32	1	"	"	"	"	"	
75-01-4	Vinyl chloride	< 1.0		ug/l	1.0	0.17	1	"	"	"	"	"	
1330-20-7	Xylenes, Total	< 2.0		ug/l	2.0	0.65	1	"	"	"	"	"	

Surrogate recoveries:

17060-07-0	1,2-Dichloroethane-d4 (Surr)	97			74-132 %			"	"	"	"	"	
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Sample Identification

TW-1 091819

SC56201-03

Client Project #

60276639-1

Matrix

Ground Water

Collection Date/Time

18-Sep-19 13:30

Received

19-Sep-19

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Subcontracted AnalysesSubcontracted Analyses*Analysis performed by TestAmerica Analytical Testing Corp.-Edison, NJ - 11452*

460-00-4	4-Bromofluorobenzene	96			77-124 %			8260C	27-Sep-19	-Sep-19 06:06:37	11452	642214	
1868-53-7	Dibromofluoromethane (Surr)	100			72-131 %			"	"	"	"	"	"
2037-26-5	Toluene-d8 (Surr)	95			80-120 %			"	"	"	"	"	"

Sample Identification

TW-2A 091819

SC56201-04

Client Project #

60276639-1

Matrix

Ground Water

Collection Date/Time

18-Sep-19 13:40

Received

19-Sep-19

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
Subcontracted Analyses													
Subcontracted Analyses													
Prepared by method 5030C													
Analysis performed by TestAmerica Analytical Testing Corp.-Edison, NJ - 11452													
630-20-6	1,1,1,2-Tetrachloroethane	< 5.0		ug/l	5.0	1.3	5	8260C	27-Sep-19 07:49	27-Sep-19 07:49	11452	642214	
71-55-6	1,1,1-Trichloroethane	2,000		ug/l	5.0	1.2	5	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	< 5.0	*	ug/l	5.0	1.8	5	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	< 5.0		ug/l	5.0	2.2	5	"	"	"	"	"	
76-13-1	1,1,2-Trichlorotrifluoroethane	< 5.0		ug/l	5.0	1.6	5	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	420		ug/l	5.0	1.3	5	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	23		ug/l	5.0	1.3	5	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	< 5.0		ug/l	5.0	1.3	5	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	< 5.0		ug/l	5.0	1.8	5	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	< 5.0		ug/l	5.0	3.3	5	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	< 5.0		ug/l	5.0	1.8	5	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	< 5.0		ug/l	5.0	1.9	5	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-Chloropropane	< 5.0		ug/l	5.0	1.9	5	"	"	"	"	"	
106-93-4	1,2-Dibromoethane	< 5.0		ug/l	5.0	2.5	5	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	< 5.0		ug/l	5.0	2.2	5	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	< 5.0		ug/l	5.0	2.2	5	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	< 5.0		ug/l	5.0	1.8	5	"	"	"	"	"	
108-70-3	1,3,5-Trichlorobenzene	< 5.0		ug/l	5.0	1.1	5	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	< 5.0		ug/l	5.0	1.6	5	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	< 5.0		ug/l	5.0	1.7	5	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	< 5.0		ug/l	5.0	2.5	5	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	< 5.0		ug/l	5.0	1.7	5	"	"	"	"	"	
123-91-1	1,4-Dioxane	< 250		ug/l	250	140	5	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	< 10		ug/l	10	8.5	5	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	< 25		ug/l	25	9.3	5	"	"	"	"	"	
95-49-8	2-Chlorotoluene	< 5.0		ug/l	5.0	1.9	5	"	"	"	"	"	
591-78-6	2-Hexanone	< 25		ug/l	25	5.7	5	"	"	"	"	"	
106-43-4	4-Chlorotoluene	< 5.0		ug/l	5.0	1.9	5	"	"	"	"	"	
99-87-6	4-Isopropyltoluene	< 5.0		ug/l	5.0	1.8	5	"	"	"	"	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	< 25		ug/l	25	6.5	5	"	"	"	"	"	
67-64-1	Acetone	< 25		ug/l	25	22	5	"	"	"	"	"	
107-13-1	Acrylonitrile	< 10		ug/l	10	3.8	5	"	"	"	"	"	
71-43-2	Benzene	< 5.0		ug/l	5.0	1.0	5	"	"	"	"	"	
108-86-1	Bromobenzene	< 5.0		ug/l	5.0	1.8	5	"	"	"	"	"	
74-97-5	Bromochloromethane	< 5.0		ug/l	5.0	2.1	5	"	"	"	"	"	
75-27-4	Bromodichloromethane	< 5.0		ug/l	5.0	1.7	5	"	"	"	"	"	
75-25-2	Bromoform	< 5.0		ug/l	5.0	2.7	5	"	"	"	"	"	
74-83-9	Bromomethane	2.9	Ja, B	ug/l	5.0	2.8	5	"	"	"	"	"	
75-15-0	Carbon disulfide	< 5.0		ug/l	5.0	4.1	5	"	"	"	"	"	
56-23-5	Carbon tetrachloride	< 5.0		ug/l	5.0	1.0	5	"	"	"	"	"	
108-90-7	Chlorobenzene	< 5.0		ug/l	5.0	1.9	5	"	"	"	"	"	

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Sample Identification

TW-2A 091819

SC56201-04

Client Project #

60276639-1

Matrix

Ground Water

Collection Date/Time

18-Sep-19 13:40

Received

19-Sep-19

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
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Subcontracted AnalysesSubcontracted Analyses*Analysis performed by TestAmerica Analytical Testing Corp.-Edison, NJ - 11452*

75-00-3	Chloroethane	< 5.0		ug/l	5.0	1.6	5	8260C	27-Sep-19 07:49	27-Sep-19 07:49	11452	642214	
67-66-3	Chloroform	< 5.0		ug/l	5.0	1.6	5	"	"	"	"	"	
74-87-3	Chloromethane	< 5.0		ug/l	5.0	2.0	5	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	10		ug/l	5.0	1.1	5	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	< 5.0		ug/l	5.0	1.1	5	"	"	"	"	"	
110-82-7	Cyclohexane	< 5.0		ug/l	5.0	1.6	5	"	"	"	"	"	
124-48-1	Dibromochloromethane	< 5.0		ug/l	5.0	1.4	5	"	"	"	"	"	
74-95-3	Dibromomethane	< 5.0		ug/l	5.0	3.0	5	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane	< 5.0		ug/l	5.0	1.6	5	"	"	"	"	"	
108-20-3	Diisopropyl ether	< 5.0		ug/l	5.0	2.3	5	"	"	"	"	"	
64-17-5	Ethanol	< 1000		ug/l	1000	300	5	"	"	"	"	"	
60-29-7	Ethyl ether	< 5.0		ug/l	5.0	1.1	5	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 5.0		ug/l	5.0	2.0	5	"	"	"	"	"	
100-41-4	Ethylbenzene	< 5.0		ug/l	5.0	1.5	5	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	< 5.0		ug/l	5.0	3.0	5	"	"	"	"	"	
98-82-8	Isopropylbenzene	< 5.0		ug/l	5.0	1.7	5	"	"	"	"	"	
179601-23-1	m-Xylene & p-Xylene	< 5.0		ug/l	5.0	1.5	5	"	"	"	"	"	
79-20-9	Methyl acetate	< 25		ug/l	25	3.9	5	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	< 5.0		ug/l	5.0	2.3	5	"	"	"	"	"	
108-87-2	Methylcyclohexane	< 5.0		ug/l	5.0	1.3	5	"	"	"	"	"	
75-09-2	Methylene Chloride	< 5.0		ug/l	5.0	1.6	5	"	"	"	"	"	
104-51-8	n-Butylbenzene	< 5.0		ug/l	5.0	1.6	5	"	"	"	"	"	
103-65-1	N-Propylbenzene	< 5.0		ug/l	5.0	1.6	5	"	"	"	"	"	
91-20-3	Naphthalene	< 5.0		ug/l	5.0	4.4	5	"	"	"	"	"	
95-47-6	o-Xylene	< 5.0		ug/l	5.0	1.8	5	"	"	"	"	"	
135-98-8	sec-Butylbenzene	< 5.0		ug/l	5.0	1.8	5	"	"	"	"	"	
100-42-5	Styrene	< 5.0		ug/l	5.0	2.1	5	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	< 5.0		ug/l	5.0	2.3	5	"	"	"	"	"	
75-65-0	tert-Butanol	< 50		ug/l	50	41	5	"	"	"	"	"	
98-06-6	tert-Butylbenzene	< 5.0		ug/l	5.0	1.7	5	"	"	"	"	"	
127-18-4	Tetrachloroethene	< 5.0		ug/l	5.0	1.2	5	"	"	"	"	"	
109-99-9	Tetrahydrofuran	< 10		ug/l	10	5.2	5	"	"	"	"	"	
108-88-3	Toluene	< 5.0		ug/l	5.0	1.9	5	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	< 5.0		ug/l	5.0	1.2	5	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	< 5.0		ug/l	5.0	2.4	5	"	"	"	"	"	
110-57-6	trans-1,4-Dichloro-2-buten e	< 5.0		ug/l	5.0	1.7	5	"	"	"	"	"	
79-01-6	Trichloroethene	610		ug/l	5.0	1.6	5	"	"	"	"	"	
75-69-4	Trichlorofluoromethane	< 5.0		ug/l	5.0	1.6	5	"	"	"	"	"	
75-01-4	Vinyl chloride	< 5.0		ug/l	5.0	0.86	5	"	"	"	"	"	
1330-20-7	Xylenes, Total	< 10		ug/l	10	3.3	5	"	"	"	"	"	

Surrogate recoveries:

17060-07-0	1,2-Dichloroethane-d4 (Surr)	98			74-132 %			"	"	"	"	"	
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Sample Identification

TW-2A 091819

SC56201-04

Client Project #

60276639-1

Matrix

Ground Water

Collection Date/Time

18-Sep-19 13:40

Received

19-Sep-19

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Subcontracted AnalysesSubcontracted Analyses*Analysis performed by TestAmerica Analytical Testing Corp.-Edison, NJ - 11452*

460-00-4	4-Bromofluorobenzene	97			77-124 %			8260C	27-Sep-19	-Sep-19 07:07:49	11452	642214	
1868-53-7	Dibromofluoromethane (Surr)	102			72-131 %			"	"	"	"	"	"
2037-26-5	Toluene-d8 (Surr)	96			80-120 %			"	"	"	"	"	"

Sample Identification

TW-3 091819

SC56201-05

Client Project #

60276639-1

Matrix

Ground Water

Collection Date/Time

18-Sep-19 13:35

Received

19-Sep-19

<u>CAS No.</u>	<u>Analyte(s)</u>	<u>Result</u>	<u>Flag</u>	<u>Units</u>	<u>*RDL</u>	<u>MDL</u>	<u>Dilution</u>	<u>Method Ref.</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Analyst</u>	<u>Batch</u>	<u>Cert.</u>
Subcontracted Analyses													
Subcontracted Analyses													
Prepared by method 5030C													
Analysis performed by TestAmerica Analytical Testing Corp.-Edison, NJ - 11452													
630-20-6	1,1,1,2-Tetrachloroethane	< 1.0		ug/l	1.0	0.27	1	8260C	27-Sep-19 07:01	27-Sep-19 07:01	11452	642214	
71-55-6	1,1,1-Trichloroethane	18		ug/l	1.0	0.24	1	"	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	< 1.0	*	ug/l	1.0	0.37	1	"	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	< 1.0		ug/l	1.0	0.43	1	"	"	"	"	"	"
76-13-1	1,1,2-Trichlorotrifluoroethane	< 1.0		ug/l	1.0	0.31	1	"	"	"	"	"	"
75-34-3	1,1-Dichloroethane	27		ug/l	1.0	0.26	1	"	"	"	"	"	"
75-35-4	1,1-Dichloroethene	2.6		ug/l	1.0	0.26	1	"	"	"	"	"	"
563-58-6	1,1-Dichloropropene	< 1.0		ug/l	1.0	0.25	1	"	"	"	"	"	"
87-61-6	1,2,3-Trichlorobenzene	< 1.0		ug/l	1.0	0.36	1	"	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	< 1.0		ug/l	1.0	0.66	1	"	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	< 1.0		ug/l	1.0	0.37	1	"	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	< 1.0		ug/l	1.0	0.37	1	"	"	"	"	"	"
96-12-8	1,2-Dibromo-3-Chloropropane	< 1.0		ug/l	1.0	0.38	1	"	"	"	"	"	"
106-93-4	1,2-Dibromoethane	< 1.0		ug/l	1.0	0.50	1	"	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	< 1.0		ug/l	1.0	0.43	1	"	"	"	"	"	"
107-06-2	1,2-Dichloroethane	< 1.0		ug/l	1.0	0.43	1	"	"	"	"	"	"
78-87-5	1,2-Dichloropropane	< 1.0		ug/l	1.0	0.35	1	"	"	"	"	"	"
108-70-3	1,3,5-Trichlorobenzene	< 1.0		ug/l	1.0	0.23	1	"	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	< 1.0		ug/l	1.0	0.33	1	"	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	< 1.0		ug/l	1.0	0.34	1	"	"	"	"	"	"
142-28-9	1,3-Dichloropropane	< 1.0		ug/l	1.0	0.50	1	"	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	< 1.0		ug/l	1.0	0.33	1	"	"	"	"	"	"
123-91-1	1,4-Dioxane	< 50		ug/l	50	28	1	"	"	"	"	"	"
594-20-7	2,2-Dichloropropane	< 2.0		ug/l	2.0	1.7	1	"	"	"	"	"	"
78-93-3	2-Butanone (MEK)	< 5.0		ug/l	5.0	1.9	1	"	"	"	"	"	"
95-49-8	2-Chlorotoluene	< 1.0		ug/l	1.0	0.38	1	"	"	"	"	"	"
591-78-6	2-Hexanone	< 5.0		ug/l	5.0	1.1	1	"	"	"	"	"	"
106-43-4	4-Chlorotoluene	< 1.0		ug/l	1.0	0.37	1	"	"	"	"	"	"
99-87-6	4-Isopropyltoluene	< 1.0		ug/l	1.0	0.37	1	"	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	< 5.0		ug/l	5.0	1.3	1	"	"	"	"	"	"
67-64-1	Acetone	< 5.0		ug/l	5.0	4.4	1	"	"	"	"	"	"
107-13-1	Acrylonitrile	< 2.0		ug/l	2.0	0.77	1	"	"	"	"	"	"
71-43-2	Benzene	< 1.0		ug/l	1.0	0.20	1	"	"	"	"	"	"
108-86-1	Bromobenzene	< 1.0		ug/l	1.0	0.35	1	"	"	"	"	"	"
74-97-5	Bromochloromethane	< 1.0		ug/l	1.0	0.41	1	"	"	"	"	"	"
75-27-4	Bromodichloromethane	< 1.0		ug/l	1.0	0.34	1	"	"	"	"	"	"
75-25-2	Bromoform	< 1.0		ug/l	1.0	0.54	1	"	"	"	"	"	"
74-83-9	Bromomethane	0.67	Ja, B	ug/l	1.0	0.55	1	"	"	"	"	"	"
75-15-0	Carbon disulfide	< 1.0		ug/l	1.0	0.82	1	"	"	"	"	"	"
56-23-5	Carbon tetrachloride	< 1.0		ug/l	1.0	0.21	1	"	"	"	"	"	"
108-90-7	Chlorobenzene	< 1.0		ug/l	1.0	0.38	1	"	"	"	"	"	"

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Sample Identification

TW-3 091819

SC56201-05

Client Project #

60276639-1

Matrix

Ground Water

Collection Date/Time

18-Sep-19 13:35

Received

19-Sep-19

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Subcontracted AnalysesSubcontracted Analyses*Analysis performed by TestAmerica Analytical Testing Corp.-Edison, NJ - 11452*

75-00-3	Chloroethane	< 1.0		ug/l	1.0	0.32	1	8260C	27-Sep-19 07:01	27-Sep-19 07:01	11452	642214	
67-66-3	Chloroform	< 1.0		ug/l	1.0	0.33	1	"	"	"	"	"	
74-87-3	Chloromethane	< 1.0		ug/l	1.0	0.40	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	0.56	Ja	ug/l	1.0	0.22	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	< 1.0		ug/l	1.0	0.22	1	"	"	"	"	"	
110-82-7	Cyclohexane	< 1.0		ug/l	1.0	0.32	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	< 1.0		ug/l	1.0	0.28	1	"	"	"	"	"	
74-95-3	Dibromomethane	< 1.0		ug/l	1.0	0.60	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane	< 1.0		ug/l	1.0	0.31	1	"	"	"	"	"	
108-20-3	Diisopropyl ether	< 1.0		ug/l	1.0	0.45	1	"	"	"	"	"	
64-17-5	Ethanol	< 200		ug/l	200	60	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 1.0		ug/l	1.0	0.21	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 1.0		ug/l	1.0	0.41	1	"	"	"	"	"	
100-41-4	Ethylbenzene	< 1.0		ug/l	1.0	0.30	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	< 1.0		ug/l	1.0	0.60	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	< 1.0		ug/l	1.0	0.34	1	"	"	"	"	"	
179601-23-1	m-Xylene & p-Xylene	< 1.0		ug/l	1.0	0.30	1	"	"	"	"	"	
79-20-9	Methyl acetate	< 5.0		ug/l	5.0	0.79	1	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	< 1.0		ug/l	1.0	0.47	1	"	"	"	"	"	
108-87-2	Methylcyclohexane	< 1.0		ug/l	1.0	0.26	1	"	"	"	"	"	
75-09-2	Methylene Chloride	< 1.0		ug/l	1.0	0.32	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	< 1.0		ug/l	1.0	0.32	1	"	"	"	"	"	
103-65-1	N-Propylbenzene	< 1.0		ug/l	1.0	0.32	1	"	"	"	"	"	
91-20-3	Naphthalene	< 1.0		ug/l	1.0	0.88	1	"	"	"	"	"	
95-47-6	o-Xylene	< 1.0		ug/l	1.0	0.36	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	< 1.0		ug/l	1.0	0.37	1	"	"	"	"	"	
100-42-5	Styrene	< 1.0		ug/l	1.0	0.42	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	< 1.0		ug/l	1.0	0.45	1	"	"	"	"	"	
75-65-0	tert-Butanol	< 10		ug/l	10	8.3	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	< 1.0		ug/l	1.0	0.34	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	< 1.0		ug/l	1.0	0.25	1	"	"	"	"	"	
109-99-9	Tetrahydrofuran	< 2.0		ug/l	2.0	1.0	1	"	"	"	"	"	
108-88-3	Toluene	< 1.0		ug/l	1.0	0.38	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	< 1.0		ug/l	1.0	0.24	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	< 1.0		ug/l	1.0	0.49	1	"	"	"	"	"	
110-57-6	trans-1,4-Dichloro-2-buten e	< 1.0		ug/l	1.0	0.34	1	"	"	"	"	"	
79-01-6	Trichloroethene	21		ug/l	1.0	0.31	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane	< 1.0		ug/l	1.0	0.32	1	"	"	"	"	"	
75-01-4	Vinyl chloride	< 1.0		ug/l	1.0	0.17	1	"	"	"	"	"	
1330-20-7	Xylenes, Total	< 2.0		ug/l	2.0	0.65	1	"	"	"	"	"	

Surrogate recoveries:

17060-07-0	1,2-Dichloroethane-d4 (Surr)	98			74-132 %			"	"	"	"	"	
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Sample Identification

TW-3 091819

SC56201-05

Client Project #

60276639-1

Matrix

Ground Water

Collection Date/Time

18-Sep-19 13:35

Received

19-Sep-19

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Subcontracted AnalysesSubcontracted Analyses*Analysis performed by TestAmerica Analytical Testing Corp.-Edison, NJ - 11452*

460-00-4	4-Bromofluorobenzene	96			77-124 %			8260C	27-Sep-19	-Sep-19 07:07:01	11452	642214	
1868-53-7	Dibromofluoromethane (Surr)	101			72-131 %			"	"	"	"	"	"
2037-26-5	Toluene-d8 (Surr)	95			80-120 %			"	"	"	"	"	"

Sample Identification

TB 091819

SC56201-06

Client Project #

60276639-1

Matrix

Trip Blank

Collection Date/Time

18-Sep-19 00:00

Received

19-Sep-19

<u>CAS No.</u>	<u>Analyte(s)</u>	<u>Result</u>	<u>Flag</u>	<u>Units</u>	<u>*RDL</u>	<u>MDL</u>	<u>Dilution</u>	<u>Method Ref.</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Analyst</u>	<u>Batch</u>	<u>Cert.</u>
Subcontracted Analyses													
Subcontracted Analyses													
Prepared by method 5030C													
Analysis performed by TestAmerica Analytical Testing Corp.-Edison, NJ - 11452													
630-20-6	1,1,1,2-Tetrachloroethane	< 1.0		ug/l	1.0	0.27	1	8260C	27-Sep-19 12:50	27-Sep-19 12:50	11452	642474	
71-55-6	1,1,1-Trichloroethane	< 1.0		ug/l	1.0	0.24	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	< 1.0		ug/l	1.0	0.37	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	< 1.0		ug/l	1.0	0.43	1	"	"	"	"	"	
76-13-1	1,1,2-Trichlorotrifluoroethane	< 1.0		ug/l	1.0	0.31	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	< 1.0		ug/l	1.0	0.26	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	< 1.0		ug/l	1.0	0.26	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	< 1.0		ug/l	1.0	0.25	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	< 1.0		ug/l	1.0	0.36	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	< 1.0		ug/l	1.0	0.66	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	< 1.0		ug/l	1.0	0.37	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	< 1.0		ug/l	1.0	0.37	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-Chloropropane	< 1.0		ug/l	1.0	0.38	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane	< 1.0		ug/l	1.0	0.50	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	< 1.0		ug/l	1.0	0.43	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	< 1.0		ug/l	1.0	0.43	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	< 1.0		ug/l	1.0	0.35	1	"	"	"	"	"	
108-70-3	1,3,5-Trichlorobenzene	< 1.0		ug/l	1.0	0.23	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	< 1.0		ug/l	1.0	0.33	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	< 1.0		ug/l	1.0	0.34	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	< 1.0		ug/l	1.0	0.50	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	< 1.0		ug/l	1.0	0.33	1	"	"	"	"	"	
123-91-1	1,4-Dioxane	< 50		ug/l	50	28	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	< 2.0		ug/l	2.0	1.7	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	< 5.0		ug/l	5.0	1.9	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	< 1.0		ug/l	1.0	0.38	1	"	"	"	"	"	
591-78-6	2-Hexanone	< 5.0	*	ug/l	5.0	1.1	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	< 1.0		ug/l	1.0	0.37	1	"	"	"	"	"	
99-87-6	4-Isopropyltoluene	< 1.0		ug/l	1.0	0.37	1	"	"	"	"	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	< 5.0		ug/l	5.0	1.3	1	"	"	"	"	"	
67-64-1	Acetone	< 5.0		ug/l	5.0	4.4	1	"	"	"	"	"	
107-13-1	Acrylonitrile	< 2.0		ug/l	2.0	0.77	1	"	"	"	"	"	
71-43-2	Benzene	< 1.0		ug/l	1.0	0.20	1	"	"	"	"	"	
108-86-1	Bromobenzene	< 1.0		ug/l	1.0	0.35	1	"	"	"	"	"	
74-97-5	Bromochloromethane	< 1.0		ug/l	1.0	0.41	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	< 1.0		ug/l	1.0	0.34	1	"	"	"	"	"	
75-25-2	Bromoform	< 1.0		ug/l	1.0	0.54	1	"	"	"	"	"	
74-83-9	Bromomethane	< 1.0		ug/l	1.0	0.55	1	"	"	"	"	"	
75-15-0	Carbon disulfide	< 1.0		ug/l	1.0	0.82	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	< 1.0		ug/l	1.0	0.21	1	"	"	"	"	"	
108-90-7	Chlorobenzene	< 1.0		ug/l	1.0	0.38	1	"	"	"	"	"	

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Sample Identification

TB 091819

SC56201-06

Client Project #

60276639-1

Matrix

Trip Blank

Collection Date/Time

18-Sep-19 00:00

Received

19-Sep-19

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Subcontracted AnalysesSubcontracted Analyses*Analysis performed by TestAmerica Analytical Testing Corp.-Edison, NJ - 11452*

75-00-3	Chloroethane	< 1.0		ug/l	1.0	0.32	1	8260C	27-Sep-19 12:50	27-Sep-19 12:50	11452	642474	
67-66-3	Chloroform	< 1.0		ug/l	1.0	0.33	1	"	"	"	"	"	
74-87-3	Chloromethane	< 1.0		ug/l	1.0	0.40	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	< 1.0		ug/l	1.0	0.22	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	< 1.0		ug/l	1.0	0.22	1	"	"	"	"	"	
110-82-7	Cyclohexane	< 1.0		ug/l	1.0	0.32	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	< 1.0		ug/l	1.0	0.28	1	"	"	"	"	"	
74-95-3	Dibromomethane	< 1.0		ug/l	1.0	0.60	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane	< 1.0		ug/l	1.0	0.31	1	"	"	"	"	"	
108-20-3	Diisopropyl ether	< 1.0		ug/l	1.0	0.45	1	"	"	"	"	"	
64-17-5	Ethanol	< 200		ug/l	200	60	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 1.0		ug/l	1.0	0.21	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 1.0		ug/l	1.0	0.41	1	"	"	"	"	"	
100-41-4	Ethylbenzene	< 1.0		ug/l	1.0	0.30	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	< 1.0		ug/l	1.0	0.60	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	< 1.0		ug/l	1.0	0.34	1	"	"	"	"	"	
179601-23-1	m-Xylene & p-Xylene	< 1.0		ug/l	1.0	0.30	1	"	"	"	"	"	
79-20-9	Methyl acetate	< 5.0		ug/l	5.0	0.79	1	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	< 1.0		ug/l	1.0	0.47	1	"	"	"	"	"	
108-87-2	Methylcyclohexane	< 1.0		ug/l	1.0	0.26	1	"	"	"	"	"	
75-09-2	Methylene Chloride	< 1.0		ug/l	1.0	0.32	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	< 1.0		ug/l	1.0	0.32	1	"	"	"	"	"	
103-65-1	N-Propylbenzene	< 1.0		ug/l	1.0	0.32	1	"	"	"	"	"	
91-20-3	Naphthalene	< 1.0		ug/l	1.0	0.88	1	"	"	"	"	"	
95-47-6	o-Xylene	< 1.0		ug/l	1.0	0.36	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	< 1.0		ug/l	1.0	0.37	1	"	"	"	"	"	
100-42-5	Styrene	< 1.0		ug/l	1.0	0.42	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	< 1.0		ug/l	1.0	0.45	1	"	"	"	"	"	
75-65-0	tert-Butanol	< 10		ug/l	10	8.3	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	< 1.0		ug/l	1.0	0.34	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	< 1.0		ug/l	1.0	0.25	1	"	"	"	"	"	
109-99-9	Tetrahydrofuran	< 2.0		ug/l	2.0	1.0	1	"	"	"	"	"	
108-88-3	Toluene	< 1.0		ug/l	1.0	0.38	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	< 1.0		ug/l	1.0	0.24	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	< 1.0		ug/l	1.0	0.49	1	"	"	"	"	"	
110-57-6	trans-1,4-Dichloro-2-buten e	< 1.0		ug/l	1.0	0.34	1	"	"	"	"	"	
79-01-6	Trichloroethene	< 1.0		ug/l	1.0	0.31	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane	< 1.0		ug/l	1.0	0.32	1	"	"	"	"	"	
75-01-4	Vinyl chloride	< 1.0		ug/l	1.0	0.17	1	"	"	"	"	"	
1330-20-7	Xylenes, Total	< 2.0		ug/l	2.0	0.65	1	"	"	"	"	"	

Surrogate recoveries:

17060-07-0	1,2-Dichloroethane-d4 (Surr)	98			74-132 %		"	"	"	"	"	"	
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Sample Identification

TB 091819

SC56201-06

Client Project #

60276639-1

Matrix

Trip Blank

Collection Date/Time

18-Sep-19 00:00

Received

19-Sep-19

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Subcontracted AnalysesSubcontracted Analyses*Analysis performed by TestAmerica Analytical Testing Corp.-Edison, NJ - 11452*

460-00-4	4-Bromofluorobenzene	97			77-124 %			8260C	27-Sep-19	-Sep-19 12:12:50	11452	642474	
1868-53-7	Dibromofluoromethane (Surr)	102			72-131 %			"	"	"	"	"	"
2037-26-5	Toluene-d8 (Surr)	95			80-120 %			"	"	"	"	"	"

Subcontracted Analyses - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
8260C										
Batch 642214 - 5030C										
LCS Dup (642214-30)	Prepared & Analyzed: 27-Sep-19									
Ethyl tert-butyl ether	20.4		ug/l	1.0	20.0		102	79-125	4	30
Naphthalene	17.9		ug/l	1.0	20.0		90	70-150	6	30
m-Xylene & p-Xylene	20.2		ug/l	1.0	20.0		101	80-120	1	30
Methylene Chloride	18.7		ug/l	1.0	20.0		93	77-123	3	30
Methylcyclohexane	20.2		ug/l	1.0	20.0		101	61-145	7	30
Methyl tert-butyl ether	20.3		ug/l	1.0	20.0		102	79-122	3	30
Methyl acetate	31.8		ug/l	5.0	40.0		80	66-144	1	30
Isopropylbenzene	21.2		ug/l	1.0	20.0		106	80-123	0	30
cis-1,3-Dichloropropene	18.3		ug/l	1.0	20.0		91	77-120	3	30
Ethylbenzene	20.4		ug/l	1.0	20.0		102	80-120	1	30
o-Xylene	20.6		ug/l	1.0	20.0		103	80-120	1	30
Ethyl ether	19.7		ug/l	1.0	20.0		99	68-136	2	30
Ethanol	810		ug/l	200	800		101	67-150	19	30
Diisopropyl ether	19.2		ug/l	1.0	20.0		96	70-141	3	30
Dichlorodifluoromethane	25.5		ug/l	1.0	20.0		127	50-131	10	30
Dibromomethane	21.6		ug/l	1.0	20.0		108	79-120	4	30
Dibromochloromethane	20.2		ug/l	1.0	20.0		101	73-120	3	30
1,1,1,2-Tetrachloroethane	21.3		ug/l	1.0	20.0		107	77-120	0	30
Hexachlorobutadiene	17.3		ug/l	1.0	20.0		87	66-136	1	30
Toluene	19.2		ug/l	1.0	20.0		96	80-120	2	30
1,1,2,2-Tetrachloroethane	13.9	*	ug/l	1.0	20.0		69	74-120	15	30
1,1-Dichloroethane	20.3		ug/l	1.0	20.0		102	77-123	4	30
1,1,2-Trichlorotrifluoroethane	20.5		ug/l	1.0	20.0		102	59-150	5	30
Vinyl chloride	19.8		ug/l	1.0	20.0		99	62-138	7	30
Trichlorofluoromethane	21.8		ug/l	1.0	20.0		109	71-143	8	30
Trichloroethene	24.1		ug/l	1.0	20.0		120	77-120	10	30
trans-1,4-Dichloro-2-butene	15.3		ug/l	1.0	20.0		76	61-122	16	30
n-Butylbenzene	20.8		ug/l	1.0	20.0		104	72-133	3	30
trans-1,2-Dichloroethene	20.2		ug/l	1.0	20.0		101	79-120	5	30
N-Propylbenzene	20.0		ug/l	1.0	20.0		100	80-123	0	30
Tetrahydrofuran	44.3		ug/l	2.0	40.0		111	79-122	1	30
Tetrachloroethene	19.2		ug/l	1.0	20.0		96	78-122	2	30
tert-Butylbenzene	20.9		ug/l	1.0	20.0		105	79-120	1	30
tert-Butanol	208		ug/l	10	200		104	22-150	1	30
Tert-amyl methyl ether	20.7		ug/l	1.0	20.0		104	80-120	1	30
Styrene	20.7		ug/l	1.0	20.0		104	80-120	2	30
sec-Butylbenzene	20.9		ug/l	1.0	20.0		104	75-128	0	30
cis-1,2-Dichloroethene	20.3		ug/l	1.0	20.0		102	80-120	4	30
trans-1,3-Dichloropropene	17.9		ug/l	1.0	20.0		89	76-120	6	30
1,2-Dibromoethane	19.9		ug/l	1.0	20.0		99	80-120	3	30
2,2-Dichloropropane	15.9		ug/l	2.0	20.0		80	77-122	14	30
1,4-Dioxane	415		ug/l	50	400		104	10-150	12	30
1,4-Dichlorobenzene	20.2		ug/l	1.0	20.0		101	80-120	2	30
1,3-Dichloropropane	19.7		ug/l	1.0	20.0		99	77-120	0	30
1,3-Dichlorobenzene	20.0		ug/l	1.0	20.0		100	80-120	3	30
1,3,5-Trimethylbenzene	22.0		ug/l	1.0	20.0		110	80-120	1	30
1,2-Dichloropropane	19.8		ug/l	1.0	20.0		99	77-123	4	30
Cyclohexane	19.7		ug/l	1.0	20.0		99	56-150	7	30
1,2-Dichlorobenzene	20.6		ug/l	1.0	20.0		103	80-120	0	30
2-Hexanone	115		ug/l	5.0	100		115	71-125	1	30

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Subcontracted Analyses - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
8260C										
Batch 642214 - 5030C										
LCS Dup (642214-30)	Prepared & Analyzed: 27-Sep-19									
1,2-Dibromo-3-Chloropropane	17.8		ug/l	1.0	20.0		89	55-134	10	30
1,2,4-Trimethylbenzene	22.5		ug/l	1.0	20.0		112	78-122	2	30
1,2,4-Trichlorobenzene	17.8		ug/l	1.0	20.0		89	80-124	4	30
1,2,3-Trichloropropane	21.6		ug/l	1.0	20.0		108	76-120	2	30
1,2,3-Trichlorobenzene	17.6		ug/l	1.0	20.0		88	78-131	4	30
1,1-Dichloropropene	19.2		ug/l	1.0	20.0		96	78-128	4	30
1,1-Dichloroethene	20.9		ug/l	1.0	20.0		104	74-123	6	30
1,2-Dichloroethane	19.5		ug/l	1.0	20.0		98	76-121	2	30
Bromochloromethane	20.4		ug/l	1.0	20.0		102	77-127	5	30
Chloromethane	18.9		ug/l	1.0	20.0		95	56-131	4	30
Chloroform	21.4		ug/l	1.0	20.0		107	80-120	5	30
Chloroethane	19.6		ug/l	1.0	20.0		98	52-150	8	30
Chlorobenzene	20.0		ug/l	1.0	20.0		100	80-120	0	30
Carbon tetrachloride	19.6		ug/l	1.0	20.0		98	70-132	4	30
Carbon disulfide	19.8		ug/l	1.0	20.0		99	69-133	3	30
Bromomethane	19.8		ug/l	1.0	20.0		99	10-150	3	30
2-Butanone (MEK)	104		ug/l	5.0	100		104	64-120	0	30
Bromodichloromethane	20.9		ug/l	1.0	20.0		105	76-120	2	30
2-Chlorotoluene	21.9		ug/l	1.0	20.0		110	80-120	1	30
Bromobenzene	20.7		ug/l	1.0	20.0		104	80-120	0	30
Benzene	18.5		ug/l	1.0	20.0		92	77-121	1	30
Acrylonitrile	178		ug/l	2.0	200		89	68-135	1	30
Acetone	97.0		ug/l	5.0	100		97	39-150	2	30
4-Methyl-2-pentanone (MIBK)	115		ug/l	5.0	100		115	78-124	1	30
4-Isopropyltoluene	21.4		ug/l	1.0	20.0		107	75-122	1	30
4-Chlorotoluene	21.5		ug/l	1.0	20.0		107	80-120	0	30
1,1,1-Trichloroethane	20.5		ug/l	1.0	20.0		102	75-125	6	30
Bromoform	19.1		ug/l	1.0	20.0		96	53-120	6	30
1,1,2-Trichloroethane	19.7		ug/l	1.0	20.0		99	78-120	2	30
Surrogate: Toluene-d8 (Surr)	47.3		ug/l		50.0		95	80-120		
Surrogate: 4-Bromofluorobenzene	47.4		ug/l		50.0		95	77-124		
Surrogate: 1,2-Dichloroethane-d4 (Surr)	48.7		ug/l		50.0		97	74-132		
Surrogate: Dibromofluoromethane (Surr)	51.0		ug/l		50.0		102	72-131		
LCS (642214-4)	Prepared & Analyzed: 26-Sep-19									
Bromoform	20.3		ug/l	1.0	20.0		102	53-120		
Bromomethane	20.4		ug/l	1.0	20.0		102	10-150		
1,4-Dichlorobenzene	20.5		ug/l	1.0	20.0		102	80-120		
1,4-Dioxane	471		ug/l	50	400		118	10-150		
2,2-Dichloropropane	18.3		ug/l	2.0	20.0		91	77-122		
2-Butanone (MEK)	104		ug/l	5.0	100		104	64-120		
2-Chlorotoluene	22.1		ug/l	1.0	20.0		110	80-120		
2-Hexanone	117		ug/l	5.0	100		117	71-125		
4-Methyl-2-pentanone (MIBK)	116		ug/l	5.0	100		116	78-124		
4-Isopropyltoluene	21.6		ug/l	1.0	20.0		108	75-122		
Bromodichloromethane	20.5		ug/l	1.0	20.0		103	76-120		
1,3,5-Trimethylbenzene	22.2		ug/l	1.0	20.0		111	80-120		
Acetone	99.4		ug/l	5.0	100		99	39-150		
Acrylonitrile	176		ug/l	2.0	200		88	68-135		
Benzene	18.4		ug/l	1.0	20.0		92	77-121		
Bromobenzene	20.8		ug/l	1.0	20.0		104	80-120		

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Subcontracted Analyses - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
8260C										
Batch 642214 - 5030C										
LCS (642214-4)	Prepared & Analyzed: 26-Sep-19									
Bromochloromethane	19.5		ug/l	1.0	20.0		98	77-127		
4-Chlorotoluene	21.5		ug/l	1.0	20.0		108	80-120		
1,2,3-Trichloropropane	21.9		ug/l	1.0	20.0		110	76-120		
1,1,1,2-Tetrachloroethane	21.4		ug/l	1.0	20.0		107	77-120		
1,1,1-Trichloroethane	19.3		ug/l	1.0	20.0		97	75-125		
1,1,2,2-Tetrachloroethane	16.1		ug/l	1.0	20.0		80	74-120		
1,1,2-Trichloroethane	20.1		ug/l	1.0	20.0		101	78-120		
1,1,2-Trichlorotrifluoroethane	19.6		ug/l	1.0	20.0		98	59-150		
1,1-Dichloroethane	19.5		ug/l	1.0	20.0		98	77-123		
1,1-Dichloroethene	19.7		ug/l	1.0	20.0		99	74-123		
1,3-Dichloropropane	19.7		ug/l	1.0	20.0		99	77-120		
1,2,3-Trichlorobenzene	18.3		ug/l	1.0	20.0		92	78-131		
1,3-Dichlorobenzene	20.5		ug/l	1.0	20.0		103	80-120		
1,2,4-Trichlorobenzene	18.5		ug/l	1.0	20.0		93	80-124		
1,2,4-Trimethylbenzene	22.8		ug/l	1.0	20.0		114	78-122		
1,2-Dibromo-3-Chloropropane	19.6		ug/l	1.0	20.0		98	55-134		
1,2-Dibromoethane	20.4		ug/l	1.0	20.0		102	80-120		
1,2-Dichlorobenzene	20.6		ug/l	1.0	20.0		103	80-120		
1,2-Dichloroethane	19.2		ug/l	1.0	20.0		96	76-121		
1,2-Dichloropropane	19.1		ug/l	1.0	20.0		95	77-123		
Chlorobenzene	20.1		ug/l	1.0	20.0		100	80-120		
1,1-Dichloropropene	18.4		ug/l	1.0	20.0		92	78-128		
Tetrachloroethene	18.9		ug/l	1.0	20.0		95	78-122		
Carbon disulfide	19.2		ug/l	1.0	20.0		96	69-133		
Naphthalene	19.0		ug/l	1.0	20.0		95	70-150		
N-Propylbenzene	20.1		ug/l	1.0	20.0		100	80-123		
o-Xylene	20.3		ug/l	1.0	20.0		102	80-120		
sec-Butylbenzene	20.9		ug/l	1.0	20.0		104	75-128		
Styrene	21.1		ug/l	1.0	20.0		105	80-120		
Tert-amyl methyl ether	20.5		ug/l	1.0	20.0		102	80-120		
Methylcyclohexane	18.9		ug/l	1.0	20.0		94	61-145		
tert-Butylbenzene	20.7		ug/l	1.0	20.0		104	79-120		
Methyl tert-butyl ether	19.8		ug/l	1.0	20.0		99	79-122		
Tetrahydrofuran	45.0		ug/l	2.0	40.0		112	79-122		
Toluene	18.8		ug/l	1.0	20.0		94	80-120		
trans-1,2-Dichloroethene	19.1		ug/l	1.0	20.0		96	79-120		
trans-1,3-Dichloropropene	18.9		ug/l	1.0	20.0		95	76-120		
trans-1,4-Dichloro-2-butene	18.0		ug/l	1.0	20.0		90	61-122		
Trichloroethene	21.7		ug/l	1.0	20.0		108	77-120		
Trichlorofluoromethane	20.0		ug/l	1.0	20.0		100	71-143		
n-Butylbenzene	21.3		ug/l	1.0	20.0		107	72-133		
tert-Butanol	20.7		ug/l	10	200		103	22-150		
Dichlorodifluoromethane	23.1		ug/l	1.0	20.0		116	50-131		
Vinyl chloride	18.5		ug/l	1.0	20.0		93	62-138		
Chloroethane	18.1		ug/l	1.0	20.0		91	52-150		
Chloroform	20.3		ug/l	1.0	20.0		101	80-120		
Chloromethane	19.6		ug/l	1.0	20.0		98	56-131		
cis-1,2-Dichloroethene	19.4		ug/l	1.0	20.0		97	80-120		
cis-1,3-Dichloropropene	18.9		ug/l	1.0	20.0		94	77-120		
Cyclohexane	18.4		ug/l	1.0	20.0		92	56-150		

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Subcontracted Analyses - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
8260C										
Batch 642214 - 5030C										
LCS (642214-4)					<u>Prepared & Analyzed: 26-Sep-19</u>					
Methylene Chloride	18.0		ug/l	1.0	20.0		90	77-123		
Dibromomethane	20.8		ug/l	1.0	20.0		104	79-120		
Carbon tetrachloride	18.9		ug/l	1.0	20.0		95	70-132		
Diisopropyl ether	18.6		ug/l	1.0	20.0		93	70-141		
Ethanol	671		ug/l	200	800		84	67-150		
Ethyl ether	19.4		ug/l	1.0	20.0		97	68-136		
Ethyl tert-butyl ether	19.7		ug/l	1.0	20.0		98	79-125		
Ethylbenzene	20.2		ug/l	1.0	20.0		101	80-120		
Hexachlorobutadiene	17.6		ug/l	1.0	20.0		88	66-136		
Isopropylbenzene	21.1		ug/l	1.0	20.0		106	80-123		
Methyl acetate	32.1		ug/l	5.0	40.0		80	66-144		
Dibromochloromethane	20.9		ug/l	1.0	20.0		104	73-120		
m-Xylene & p-Xylene	20.4		ug/l	1.0	20.0		102	80-120		
Surrogate: 4-Bromofluorobenzene	49.0		ug/l		50.0		98	77-124		
Surrogate: Dibromofluoromethane (Surr)	50.5		ug/l		50.0		101	72-131		
Surrogate: 1,2-Dichloroethane-d4 (Surr)	48.4		ug/l		50.0		97	74-132		
Surrogate: Toluene-d8 (Surr)	48.4		ug/l		50.0		97	80-120		
Blank (642214-8)					<u>Prepared & Analyzed: 27-Sep-19</u>					
Dibromochloromethane	< 1.0		ug/l	1.0				-		
Ethylbenzene	< 1.0		ug/l	1.0				-		
Ethyl tert-butyl ether	< 1.0		ug/l	1.0				-		
Carbon tetrachloride	< 1.0		ug/l	1.0				-		
Ethyl ether	< 1.0		ug/l	1.0				-		
Ethanol	< 200		ug/l	200				-		
Diisopropyl ether	< 1.0		ug/l	1.0				-		
Cyclohexane	< 1.0		ug/l	1.0				-		
Dibromomethane	< 1.0		ug/l	1.0				-		
Chloroethane	< 1.0		ug/l	1.0				-		
Hexachlorobutadiene	< 1.0		ug/l	1.0				-		
Xylenes, Total	< 2.0		ug/l	2.0				-		
Chlorobenzene	< 1.0		ug/l	1.0				-		
cis-1,3-Dichloropropene	< 1.0		ug/l	1.0				-		
cis-1,2-Dichloroethene	< 1.0		ug/l	1.0				-		
Chloromethane	< 1.0		ug/l	1.0				-		
Chloroform	< 1.0		ug/l	1.0				-		
Dichlorodifluoromethane	< 1.0		ug/l	1.0				-		
N-Propylbenzene	< 1.0		ug/l	1.0				-		
1,1,2-Trichlorotrifluoroethane	< 1.0		ug/l	1.0				-		
Toluene	< 1.0		ug/l	1.0				-		
Tetrahydrofuran	< 2.0		ug/l	2.0				-		
Tetrachloroethene	< 1.0		ug/l	1.0				-		
tert-Butylbenzene	< 1.0		ug/l	1.0				-		
tert-Butanol	< 10		ug/l	10				-		
Tert-amyl methyl ether	< 1.0		ug/l	1.0				-		
Styrene	< 1.0		ug/l	1.0				-		
Isopropylbenzene	< 1.0		ug/l	1.0				-		
o-Xylene	< 1.0		ug/l	1.0				-		
trans-1,2-Dichloroethene	< 1.0		ug/l	1.0				-		
n-Butylbenzene	< 1.0		ug/l	1.0				-		
Naphthalene	< 1.0		ug/l	1.0				-		

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Subcontracted Analyses - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
8260C										
Batch 642214 - 5030C										
Blank (642214-8)	Prepared & Analyzed: 27-Sep-19									
m-Xylene & p-Xylene	< 1.0		ug/l	1.0				-		
Methylene Chloride	< 1.0		ug/l	1.0				-		
Methylcyclohexane	< 1.0		ug/l	1.0				-		
1,1,1,2-Tetrachloroethane	< 1.0		ug/l	1.0				-		
Methyl tert-butyl ether	< 1.0		ug/l	1.0				-		
Bromoform	< 1.0		ug/l	1.0				-		
Methyl acetate	< 5.0		ug/l	5.0				-		
sec-Butylbenzene	< 1.0		ug/l	1.0				-		
1,1-Dichloroethene	< 1.0		ug/l	1.0				-		
Carbon disulfide	< 1.0		ug/l	1.0				-		
1,2-Dichloroethane	< 1.0		ug/l	1.0				-		
1,2-Dichlorobenzene	< 1.0		ug/l	1.0				-		
1,2-Dibromoethane	< 1.0		ug/l	1.0				-		
1,2-Dibromo-3-Chloropropane	< 1.0		ug/l	1.0				-		
1,2,4-Trimethylbenzene	< 1.0		ug/l	1.0				-		
1,2,4-Trichlorobenzene	< 1.0		ug/l	1.0				-		
1,2,3-Trichloropropane	< 1.0		ug/l	1.0				-		
1,3,5-Trichlorobenzene	< 1.0		ug/l	1.0				-		
1,1-Dichloropropene	< 1.0		ug/l	1.0				-		
1,3,5-Trimethylbenzene	< 1.0		ug/l	1.0				-		
1,1-Dichloroethane	< 1.0		ug/l	1.0				-		
1,1,1-Trichloroethane	< 1.0		ug/l	1.0				-		
1,1,2,2-Tetrachloroethane	< 1.0		ug/l	1.0				-		
1,1,2-Trichloroethane	< 1.0		ug/l	1.0				-		
trans-1,4-Dichloro-2-butene	< 1.0		ug/l	1.0				-		
Trichloroethene	< 1.0		ug/l	1.0				-		
Trichlorofluoromethane	< 1.0		ug/l	1.0				-		
Vinyl chloride	< 1.0		ug/l	1.0				-		
1,2,3-Trichlorobenzene	< 1.0		ug/l	1.0				-		
4-Chlorotoluene	< 1.0		ug/l	1.0				-		
trans-1,3-Dichloropropene	< 1.0		ug/l	1.0				-		
Bromodichloromethane	< 1.0		ug/l	1.0				-		
Bromochloromethane	< 1.0		ug/l	1.0				-		
Bromobenzene	< 1.0		ug/l	1.0				-		
Benzene	< 1.0		ug/l	1.0				-		
Acrylonitrile	< 2.0		ug/l	2.0				-		
Acetone	< 5.0		ug/l	5.0				-		
4-Methyl-2-pentanone (MIBK)	< 5.0		ug/l	5.0				-		
1,2-Dichloropropane	< 1.0		ug/l	1.0				-		
4-Isopropyltoluene	< 1.0		ug/l	1.0				-		
Bromomethane	0.663	Ja	ug/l	1.0				-		
2-Hexanone	< 5.0		ug/l	5.0				-		
2-Chlorotoluene	< 1.0		ug/l	1.0				-		
2-Butanone (MEK)	< 5.0		ug/l	5.0				-		
2,2-Dichloropropane	< 2.0		ug/l	2.0				-		
1,4-Dioxane	< 50		ug/l	50				-		
1,4-Dichlorobenzene	< 1.0		ug/l	1.0				-		
1,3-Dichloropropane	< 1.0		ug/l	1.0				-		
1,3-Dichlorobenzene	< 1.0		ug/l	1.0				-		
Surrogate: Dibromofluoromethane (Surr)	50.3		ug/l		50.0		101	72-131		

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Subcontracted Analyses - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
8260C										
Batch 642214 - 5030C										
Blank (642214-8)					<u>Prepared & Analyzed: 27-Sep-19</u>					
Surrogate: 1,2-Dichloroethane-d4 (Surr)	48.9		ug/l		50.0		98	74-132		
Surrogate: Toluene-d8 (Surr)	48.1		ug/l		50.0		96	80-120		
Surrogate: 4-Bromofluorobenzene	48.1		ug/l		50.0		96	77-124		
Batch 642474 - 5030C										
LCS (642474-11)					<u>Prepared & Analyzed: 27-Sep-19</u>					
Dichlorodifluoromethane	16.4		ug/l	1.0	20.0		82	50-131		
Methyl tert-butyl ether	21.2		ug/l	1.0	20.0		106	79-122		
Methyl acetate	34.0		ug/l	5.0	40.0		85	66-144		
Isopropylbenzene	22.4		ug/l	1.0	20.0		112	80-123		
Hexachlorobutadiene	18.2		ug/l	1.0	20.0		91	66-136		
Ethylbenzene	21.5		ug/l	1.0	20.0		107	80-120		
Ethyl tert-butyl ether	21.1		ug/l	1.0	20.0		106	79-125		
Ethyl ether	20.4		ug/l	1.0	20.0		102	68-136		
1,1,1-Trichloroethane	21.6		ug/l	1.0	20.0		108	75-125		
Diisopropyl ether	19.7		ug/l	1.0	20.0		99	70-141		
m-Xylene & p-Xylene	21.2		ug/l	1.0	20.0		106	80-120		
Dibromomethane	22.2		ug/l	1.0	20.0		111	79-120		
Dibromochloromethane	21.3		ug/l	1.0	20.0		106	73-120		
Cyclohexane	20.8		ug/l	1.0	20.0		104	56-150		
cis-1,3-Dichloropropene	19.1		ug/l	1.0	20.0		96	77-120		
cis-1,2-Dichloroethene	21.2		ug/l	1.0	20.0		106	80-120		
Chloromethane	20.6		ug/l	1.0	20.0		103	56-131		
1,1,1,2-Tetrachloroethane	22.1		ug/l	1.0	20.0		110	77-120		
Chloroethane	19.6		ug/l	1.0	20.0		98	52-150		
Ethanol	744		ug/l	200	800		93	67-150		
tert-Butanol	211		ug/l	10	200		106	22-150		
Vinyl chloride	20.2		ug/l	1.0	20.0		101	62-138		
Trichlorofluoromethane	19.3		ug/l	1.0	20.0		97	71-143		
Trichloroethene	23.8		ug/l	1.0	20.0		119	77-120		
trans-1,4-Dichloro-2-butene	18.8		ug/l	1.0	20.0		94	61-122		
trans-1,3-Dichloropropene	19.4		ug/l	1.0	20.0		97	76-120		
trans-1,2-Dichloroethene	21.3		ug/l	1.0	20.0		107	79-120		
Toluene	19.7		ug/l	1.0	20.0		98	80-120		
Tetrahydrofuran	46.2		ug/l	2.0	40.0		115	79-122		
Methylcyclohexane	21.8		ug/l	1.0	20.0		109	61-145		
tert-Butylbenzene	21.5		ug/l	1.0	20.0		108	79-120		
Methylene Chloride	19.4		ug/l	1.0	20.0		97	77-123		
Tert-amyl methyl ether	22.2		ug/l	1.0	20.0		111	80-120		
Styrene	21.4		ug/l	1.0	20.0		107	80-120		
sec-Butylbenzene	21.9		ug/l	1.0	20.0		110	75-128		
o-Xylene	21.6		ug/l	1.0	20.0		108	80-120		
N-Propylbenzene	21.0		ug/l	1.0	20.0		105	80-123		
n-Butylbenzene	22.6		ug/l	1.0	20.0		113	72-133		
Naphthalene	19.3		ug/l	1.0	20.0		97	70-150		
Chlorobenzene	20.7		ug/l	1.0	20.0		103	80-120		
Tetrachloroethene	20.1		ug/l	1.0	20.0		101	78-122		
1,2,4-Trichlorobenzene	18.6		ug/l	1.0	20.0		93	80-124		
Carbon tetrachloride	21.3		ug/l	1.0	20.0		107	70-132		
1,3-Dichlorobenzene	20.6		ug/l	1.0	20.0		103	80-120		
Chloroform	22.0		ug/l	1.0	20.0		110	80-120		

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Subcontracted Analyses - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
8260C										
Batch 642474 - 5030C										
LCS (642474-11)	Prepared & Analyzed: 27-Sep-19									
1,2-Dichloropropane	20.4		ug/l	1.0	20.0		102	77-123		
1,2-Dichloroethane	20.2		ug/l	1.0	20.0		101	76-121		
1,2-Dichlorobenzene	20.7		ug/l	1.0	20.0		104	80-120		
1,2-Dibromoethane	20.5		ug/l	1.0	20.0		103	80-120		
1,4-Dichlorobenzene	20.7		ug/l	1.0	20.0		103	80-120		
1,2,4-Trimethylbenzene	23.1		ug/l	1.0	20.0		115	78-122		
1,3-Dichloropropane	20.1		ug/l	1.0	20.0		100	77-120		
1,2,3-Trichloropropane	22.8		ug/l	1.0	20.0		114	76-120		
1,2,3-Trichlorobenzene	17.9		ug/l	1.0	20.0		89	78-131		
1,1-Dichloropropene	20.3		ug/l	1.0	20.0		102	78-128		
1,1-Dichloroethene	22.2		ug/l	1.0	20.0		111	74-123		
1,1-Dichloroethane	21.1		ug/l	1.0	20.0		105	77-123		
1,1,2-Trichlorotrifluoroethane	21.5		ug/l	1.0	20.0		107	59-150		
1,1,2-Trichloroethane	20.6		ug/l	1.0	20.0		103	78-120		
1,1,2,2-Tetrachloroethane	16.2		ug/l	1.0	20.0		81	74-120		
1,2-Dibromo-3-Chloropropane	19.1		ug/l	1.0	20.0		95	55-134		
Acetone	104		ug/l	5.0	100		104	39-150		
Carbon disulfide	21.1		ug/l	1.0	20.0		106	69-133		
Bromomethane	21.2		ug/l	1.0	20.0		106	10-150		
Bromoform	20.6		ug/l	1.0	20.0		103	53-120		
Bromodichloromethane	21.9		ug/l	1.0	20.0		109	76-120		
Bromochloromethane	20.8		ug/l	1.0	20.0		104	77-127		
Bromobenzene	20.7		ug/l	1.0	20.0		104	80-120		
Benzene	18.8		ug/l	1.0	20.0		94	77-121		
1,3,5-Trimethylbenzene	22.7		ug/l	1.0	20.0		114	80-120		
Acrylonitrile	191		ug/l	2.0	200		96	68-135		
1,4-Dioxane	451		ug/l	50	400		113	10-150		
4-Methyl-2-pentanone (MIBK)	120		ug/l	5.0	100		120	78-124		
4-Isopropyltoluene	22.3		ug/l	1.0	20.0		111	75-122		
4-Chlorotoluene	21.9		ug/l	1.0	20.0		109	80-120		
2-Hexanone	122		ug/l	5.0	100		122	71-125		
2-Chlorotoluene	22.8		ug/l	1.0	20.0		114	80-120		
2-Butanone (MEK)	111		ug/l	5.0	100		111	64-120		
2,2-Dichloropropane	20.8		ug/l	2.0	20.0		104	77-122		
Surrogate: 4-Bromofluorobenzene	48.1		ug/l		50.0		96	77-124		
Surrogate: Toluene-d8 (Surr)	47.3		ug/l		50.0		95	80-120		
Surrogate: 1,2-Dichloroethane-d4 (Surr)	49.3		ug/l		50.0		99	74-132		
Surrogate: Dibromofluoromethane (Surr)	51.2		ug/l		50.0		102	72-131		
LCS Dup (642474-12)	Prepared & Analyzed: 27-Sep-19									
1,1,1,2-Tetrachloroethane	22.3		ug/l	1.0	20.0		111	77-120	1	30
Carbon tetrachloride	21.9		ug/l	1.0	20.0		109	70-132	3	30
Acetone	108		ug/l	5.0	100		108	39-150	4	30
Trichlorofluoromethane	19.8		ug/l	1.0	20.0		99	71-143	2	30
1,4-Dioxane	417		ug/l	50	400		104	10-150	8	30
2,2-Dichloropropane	21.5		ug/l	2.0	20.0		108	77-122	3	30
2-Butanone (MEK)	111		ug/l	5.0	100		111	64-120	0	30
2-Chlorotoluene	23.1		ug/l	1.0	20.0		115	80-120	1	30
2-Hexanone	126	*	ug/l	5.0	100		126	71-125	3	30
4-Chlorotoluene	22.3		ug/l	1.0	20.0		112	80-120	2	30
Vinyl chloride	20.7		ug/l	1.0	20.0		104	62-138	3	30

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Subcontracted Analyses - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
8260C										
Batch 642474 - 5030C										
LCS Dup (642474-12)	Prepared & Analyzed: 27-Sep-19									
4-Methyl-2-pentanone (MIBK)	124		ug/l	5.0	100		124	78-124	3	30
1,3-Dichloropropane	20.4		ug/l	1.0	20.0		102	77-120	1	30
Acrylonitrile	191		ug/l	2.0	200		95	68-135	0	30
Benzene	18.8		ug/l	1.0	20.0		94	77-121	0	30
Bromobenzene	21.1		ug/l	1.0	20.0		106	80-120	2	30
Bromochloromethane	20.8		ug/l	1.0	20.0		104	77-127	0	30
Bromodichloromethane	21.8		ug/l	1.0	20.0		109	76-120	0	30
Bromoform	21.1		ug/l	1.0	20.0		106	53-120	2	30
Chloroethane	20.9		ug/l	1.0	20.0		105	52-150	7	30
Bromomethane	25.2		ug/l	1.0	20.0		126	10-150	17	30
4-Isopropyltoluene	23.1		ug/l	1.0	20.0		115	75-122	4	30
1,2,4-Trichlorobenzene	19.8		ug/l	1.0	20.0		99	80-124	6	30
1,1,1-Trichloroethane	22.1		ug/l	1.0	20.0		111	75-125	3	30
1,1,2,2-Tetrachloroethane	16.3		ug/l	1.0	20.0		81	74-120	1	30
1,1,2-Trichloroethane	20.6		ug/l	1.0	20.0		103	78-120	0	30
1,1,2-Trichlorotrifluoroethane	22.0		ug/l	1.0	20.0		110	59-150	2	30
1,1-Dichloroethane	21.3		ug/l	1.0	20.0		106	77-123	1	30
1,1-Dichloroethene	22.8		ug/l	1.0	20.0		114	74-123	3	30
1,1-Dichloropropene	21.0		ug/l	1.0	20.0		105	78-128	3	30
1,4-Dichlorobenzene	21.2		ug/l	1.0	20.0		106	80-120	3	30
1,2,3-Trichloropropane	22.8		ug/l	1.0	20.0		114	76-120	0	30
Carbon disulfide	21.7		ug/l	1.0	20.0		109	69-133	3	30
1,2,4-Trimethylbenzene	23.7		ug/l	1.0	20.0		118	78-122	3	30
1,2-Dibromo-3-Chloropropane	20.1		ug/l	1.0	20.0		101	55-134	5	30
1,2-Dibromoethane	20.8		ug/l	1.0	20.0		104	80-120	1	30
1,2-Dichlorobenzene	21.2		ug/l	1.0	20.0		106	80-120	2	30
1,2-Dichloroethane	20.5		ug/l	1.0	20.0		103	76-121	1	30
1,2-Dichloropropane	20.4		ug/l	1.0	20.0		102	77-123	0	30
1,3,5-Trimethylbenzene	23.3		ug/l	1.0	20.0		116	80-120	3	30
1,3-Dichlorobenzene	21.0		ug/l	1.0	20.0		105	80-120	2	30
1,2,3-Trichlorobenzene	19.2		ug/l	1.0	20.0		96	78-131	7	30
tert-Butylbenzene	22.2		ug/l	1.0	20.0		111	79-120	3	30
Methylene Chloride	19.3		ug/l	1.0	20.0		97	77-123	1	30
Naphthalene	19.5		ug/l	1.0	20.0		98	70-150	1	30
n-Butylbenzene	23.6		ug/l	1.0	20.0		118	72-133	4	30
N-Propylbenzene	21.5		ug/l	1.0	20.0		108	80-123	2	30
o-Xylene	21.5		ug/l	1.0	20.0		107	80-120	0	30
sec-Butylbenzene	22.7		ug/l	1.0	20.0		114	75-128	4	30
Styrene	21.9		ug/l	1.0	20.0		110	80-120	2	30
Chlorobenzene	20.9		ug/l	1.0	20.0		105	80-120	1	30
tert-Butanol	214		ug/l	10	200		107	22-150	1	30
Methylcyclohexane	21.6		ug/l	1.0	20.0		108	61-145	1	30
Tetrachloroethene	20.7		ug/l	1.0	20.0		103	78-122	3	30
Tetrahydrofuran	48.2		ug/l	2.0	40.0		120	79-122	4	30
Toluene	19.7		ug/l	1.0	20.0		98	80-120	0	30
trans-1,2-Dichloroethene	21.3		ug/l	1.0	20.0		106	79-120	0	30
trans-1,3-Dichloropropene	19.6		ug/l	1.0	20.0		98	76-120	1	30
trans-1,4-Dichloro-2-butene	18.3		ug/l	1.0	20.0		92	61-122	3	30
Trichloroethene	24.1		ug/l	1.0	20.0		120	77-120	1	30
Tert-amyl methyl ether	22.0		ug/l	1.0	20.0		110	80-120	1	30

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Subcontracted Analyses - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
8260C										
Batch 642474 - 5030C										
LCS Dup (642474-12)					<u>Prepared & Analyzed: 27-Sep-19</u>					
Ethanol	870		ug/l	200	800		109	67-150	16	30
Chloroform	22.3		ug/l	1.0	20.0		111	80-120	1	30
Chloromethane	21.9		ug/l	1.0	20.0		109	56-131	6	30
cis-1,2-Dichloroethene	21.1		ug/l	1.0	20.0		105	80-120	1	30
cis-1,3-Dichloropropene	19.5		ug/l	1.0	20.0		98	77-120	2	30
Cyclohexane	21.1		ug/l	1.0	20.0		105	56-150	1	30
Dibromochloromethane	21.3		ug/l	1.0	20.0		106	73-120	0	30
Dibromomethane	22.1		ug/l	1.0	20.0		110	79-120	0	30
m-Xylene & p-Xylene	21.4		ug/l	1.0	20.0		107	80-120	1	30
Diisopropyl ether	19.7		ug/l	1.0	20.0		99	70-141	0	30
Methyl tert-butyl ether	21.2		ug/l	1.0	20.0		106	79-122	0	30
Ethyl ether	20.3		ug/l	1.0	20.0		101	68-136	1	30
Ethyl tert-butyl ether	21.0		ug/l	1.0	20.0		105	79-125	0	30
Ethylbenzene	21.2		ug/l	1.0	20.0		106	80-120	1	30
Hexachlorobutadiene	20.0		ug/l	1.0	20.0		100	66-136	10	30
Isopropylbenzene	22.5		ug/l	1.0	20.0		112	80-123	0	30
Methyl acetate	32.9		ug/l	5.0	40.0		82	66-144	3	30
Dichlorodifluoromethane	17.0		ug/l	1.0	20.0		85	50-131	4	30
Surrogate: 4-Bromofluorobenzene	48.1		ug/l		50.0		96	77-124		
Surrogate: Dibromofluoromethane (Surr)	51.5		ug/l		50.0		103	72-131		
Surrogate: 1,2-Dichloroethane-d4 (Surr)	48.9		ug/l		50.0		98	74-132		
Surrogate: Toluene-d8 (Surr)	47.0		ug/l		50.0		94	80-120		
Blank (642474-8)					<u>Prepared & Analyzed: 27-Sep-19</u>					
Styrene	< 1.0		ug/l	1.0				-		
Dibromomethane	< 1.0		ug/l	1.0				-		
Methyl acetate	< 5.0		ug/l	5.0				-		
o-Xylene	< 1.0		ug/l	1.0				-		
Hexachlorobutadiene	< 1.0		ug/l	1.0				-		
1,1,1,2-Tetrachloroethane	< 1.0		ug/l	1.0				-		
Ethyl tert-butyl ether	< 1.0		ug/l	1.0				-		
Ethyl ether	< 1.0		ug/l	1.0				-		
Ethanol	< 200		ug/l	200				-		
Carbon tetrachloride	< 1.0		ug/l	1.0				-		
Dichlorodifluoromethane	< 1.0		ug/l	1.0				-		
Methylene Chloride	< 1.0		ug/l	1.0				-		
Dibromochloromethane	< 1.0		ug/l	1.0				-		
Cyclohexane	< 1.0		ug/l	1.0				-		
cis-1,3-Dichloropropene	< 1.0		ug/l	1.0				-		
cis-1,2-Dichloroethene	< 1.0		ug/l	1.0				-		
Chloromethane	< 1.0		ug/l	1.0				-		
Chloroform	< 1.0		ug/l	1.0				-		
Chloroethane	< 1.0		ug/l	1.0				-		
Chlorobenzene	< 1.0		ug/l	1.0				-		
Diisopropyl ether	< 1.0		ug/l	1.0				-		
tert-Butylbenzene	< 1.0		ug/l	1.0				-		
Xylenes, Total	< 2.0		ug/l	2.0				-		
Vinyl chloride	< 1.0		ug/l	1.0				-		
Trichlorofluoromethane	< 1.0		ug/l	1.0				-		
Trichloroethene	< 1.0		ug/l	1.0				-		
trans-1,4-Dichloro-2-butene	< 1.0		ug/l	1.0				-		

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Subcontracted Analyses - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
8260C										
Batch 642474 - 5030C										
Blank (642474-8)	Prepared & Analyzed: 27-Sep-19									
trans-1,3-Dichloropropene	< 1.0		ug/l	1.0				-		
trans-1,2-Dichloroethene	< 1.0		ug/l	1.0				-		
Toluene	< 1.0		ug/l	1.0				-		
Methyl tert-butyl ether	< 1.0		ug/l	1.0				-		
Tetrachloroethene	< 1.0		ug/l	1.0				-		
Methylcyclohexane	< 1.0		ug/l	1.0				-		
tert-Butanol	< 10		ug/l	10				-		
Tert-amyl methyl ether	< 1.0		ug/l	1.0				-		
sec-Butylbenzene	< 1.0		ug/l	1.0				-		
N-Propylbenzene	< 1.0		ug/l	1.0				-		
n-Butylbenzene	< 1.0		ug/l	1.0				-		
Naphthalene	< 1.0		ug/l	1.0				-		
m-Xylene & p-Xylene	< 1.0		ug/l	1.0				-		
Ethylbenzene	< 1.0		ug/l	1.0				-		
Tetrahydrofuran	< 2.0		ug/l	2.0				-		
1,2,3-Trichloropropane	< 1.0		ug/l	1.0				-		
1,3,5-Trimethylbenzene	< 1.0		ug/l	1.0				-		
1,3,5-Trichlorobenzene	< 1.0		ug/l	1.0				-		
1,2-Dichloropropane	< 1.0		ug/l	1.0				-		
1,2-Dichloroethane	< 1.0		ug/l	1.0				-		
1,2-Dichlorobenzene	< 1.0		ug/l	1.0				-		
1,2-Dibromoethane	< 1.0		ug/l	1.0				-		
1,2-Dibromo-3-Chloropropane	< 1.0		ug/l	1.0				-		
1,3-Dichlorobenzene	< 1.0		ug/l	1.0				-		
1,2,4-Trichlorobenzene	< 1.0		ug/l	1.0				-		
1,1-Dichloroethene	< 1.0		ug/l	1.0				-		
1,2,3-Trichlorobenzene	< 1.0		ug/l	1.0				-		
1,1-Dichloropropene	< 1.0		ug/l	1.0				-		
Carbon disulfide	< 1.0		ug/l	1.0				-		
1,1-Dichloroethane	< 1.0		ug/l	1.0				-		
Isopropylbenzene	< 1.0		ug/l	1.0				-		
1,1,2-Trichloroethane	< 1.0		ug/l	1.0				-		
1,1,2,2-Tetrachloroethane	< 1.0		ug/l	1.0				-		
1,1,1-Trichloroethane	< 1.0		ug/l	1.0				-		
1,2,4-Trimethylbenzene	< 1.0		ug/l	1.0				-		
4-Methyl-2-pentanone (MIBK)	< 5.0		ug/l	5.0				-		
Bromomethane	< 1.0		ug/l	1.0				-		
Bromoform	< 1.0		ug/l	1.0				-		
Bromodichloromethane	< 1.0		ug/l	1.0				-		
Bromochloromethane	< 1.0		ug/l	1.0				-		
Bromobenzene	< 1.0		ug/l	1.0				-		
Benzene	< 1.0		ug/l	1.0				-		
Acrylonitrile	< 2.0		ug/l	2.0				-		
1,1,2-Trichlorotrifluoroethane	< 1.0		ug/l	1.0				-		
Acetone	< 5.0		ug/l	5.0				-		
1,3-Dichloropropane	< 1.0		ug/l	1.0				-		
4-Isopropyltoluene	< 1.0		ug/l	1.0				-		
4-Chlorotoluene	< 1.0		ug/l	1.0				-		
2-Hexanone	< 5.0		ug/l	5.0				-		
2-Chlorotoluene	< 1.0		ug/l	1.0				-		

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Subcontracted Analyses - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
8260C										
Batch 642474 - 5030C										
Blank (642474-8)					<u>Prepared & Analyzed: 27-Sep-19</u>					
2-Butanone (MEK)	< 5.0		ug/l	5.0				-		
2,2-Dichloropropane	< 2.0		ug/l	2.0				-		
1,4-Dioxane	< 50		ug/l	50				-		
1,4-Dichlorobenzene	< 1.0		ug/l	1.0				-		
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>48.5</i>		<i>ug/l</i>		<i>50.0</i>		<i>97</i>	<i>77-124</i>		
<i>Surrogate: Toluene-d8 (Surr)</i>	<i>47.6</i>		<i>ug/l</i>		<i>50.0</i>		<i>95</i>	<i>80-120</i>		
<i>Surrogate: 1,2-Dichloroethane-d4 (Surr)</i>	<i>49.2</i>		<i>ug/l</i>		<i>50.0</i>		<i>98</i>	<i>74-132</i>		
<i>Surrogate: Dibromofluoromethane (Surr)</i>	<i>50.3</i>		<i>ug/l</i>		<i>50.0</i>		<i>101</i>	<i>72-131</i>		

Subcontracted Analyses - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<u>EPA 1664B</u>										
Batch 19267807901A - General Preparation										
<u>Blank (B267101B)</u>	<u>Prepared & Analyzed: 24-Sep-19</u>									
HEM (oil & grease)	< 5.0		mg/l	5.0				-		
<u>LCS (L267101Q)</u>	<u>Prepared & Analyzed: 24-Sep-19</u>									
HEM (oil & grease)	38.4		mg/l	5.0	40.0		96	78-114		
<u>LCS Dup (L267101Y)</u>	<u>Prepared & Analyzed: 24-Sep-19</u>									
HEM (oil & grease)	38.4		mg/l	5.0	40.0		96	78-114	0	13
<u>SW-846 6020B</u>										
Batch 192661404712A - SW-846 3020A										
<u>Blank (P26604LBB)</u>	<u>Prepared: 24-Sep-19 Analyzed: 26-Sep-19</u>									
Barium	< 0.0020		mg/l	0.0020				-		
Arsenic	< 0.0020		mg/l	0.0020				-		
Chromium	< 0.0010		mg/l	0.0010				-		
Copper	< 0.0010		mg/l	0.0010				-		
Iron	< 0.0500		mg/l	0.0500				-		
Manganese	< 0.0020		mg/l	0.0020				-		
Nickel	< 0.0010		mg/l	0.0010				-		
Zinc	< 0.0100		mg/l	0.0100				-		
Aluminum	< 0.0250		mg/l	0.0250				-		
<u>LCS (P26604LQQ)</u>	<u>Prepared: 24-Sep-19 Analyzed: 26-Sep-19</u>									
Manganese	0.0507		mg/l	0.0020	0.0500		101	89-120		
Aluminum	2.00		mg/l	0.0250	2.00		100	88-114		
Arsenic	0.0105		mg/l	0.0020	0.0100		105	85-120		
Barium	0.0514		mg/l	0.0020	0.0500		103	80-120		
Chromium	0.0513		mg/l	0.0010	0.0500		103	90-115		
Iron	1.01		mg/l	0.0500	1.00		101	87-114		
Nickel	0.0544		mg/l	0.0010	0.0500		109	90-114		
Zinc	0.541		mg/l	0.0100	0.500		108	90-115		
Copper	0.0529		mg/l	0.0010	0.0500		106	89-120		
<u>SW-846 7470A</u>										
Batch 192660571301 - METHOD										
<u>Duplicate (P155151D221041)</u>			<u>Source: SC56201-02</u>		<u>Prepared & Analyzed: 23-Sep-19</u>					
Mercury	< 0.00020		mg/l	0.00020		BDL		-	0	20
<u>Matrix Spike Dup (P155151M221045)</u>			<u>Source: SC56201-02</u>		<u>Prepared & Analyzed: 23-Sep-19</u>					
Mercury	0.0015	*a	mg/l	0.00020	0.0010	BDL	151	80-120	4	20
<u>Matrix Spike (P155151R221043)</u>			<u>Source: SC56201-02</u>		<u>Prepared & Analyzed: 23-Sep-19</u>					
Mercury	0.0015	*a	mg/l	0.00020	0.0010	BDL	145	80-120		
<u>Blank (P26671ABB)</u>	<u>Prepared & Analyzed: 23-Sep-19</u>									
Mercury	< 0.00020		mg/l	0.00020				-		
<u>LCS (P26671AQQ)</u>	<u>Prepared & Analyzed: 23-Sep-19</u>									
Mercury	0.00096		mg/l	0.00020	0.0010		96	80-110		

Subcontracted Analyses - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<u>SM 2540D-11</u>										
Batch 497766A - SM 2540D-11										
<u>Blank (CE13528-BLK)</u>	<u>Prepared & Analyzed: 20-Sep-19</u>									
Total Suspended Solids	< 2.5		mg/l	2.5	64.9	BRL	-			
<u>LCS (CE13528-LCS)</u>	<u>Prepared & Analyzed: 20-Sep-19</u>									
Total Suspended Solids	64.00		mg/l	2.5	64.9		99	85-115		20
<u>SM2540C-11</u>										
Batch 497859A - SM2540C-11										
<u>Blank (CE12673-BLK)</u>	<u>Prepared & Analyzed: 20-Sep-19</u>									
Tot. Diss. Solids	< 10		mg/l	10	591	BRL	-			
<u>LCS (CE12673-LCS)</u>	<u>Prepared & Analyzed: 20-Sep-19</u>									
Tot. Diss. Solids	567.0		mg/l	10	591		96	85-115		20
<u>SW9010C/SW9012B</u>										
Batch 498012A - SM 4500 CN										
<u>Blank (CE12287-BLK)</u>	<u>Prepared: 21-Sep-19 Analyzed: 23-Sep-19</u>									
Total Cyanide	< 0.010		mg/l	0.010		BRL	-			
<u>LCS (CE12287-LCS)</u>	<u>Prepared: 21-Sep-19 Analyzed: 23-Sep-19</u>									
Total Cyanide	0.3940		mg/l	0.010	0.429		91.8	90-110		20

Notes and Definitions

*	LCS or LCSD is outside acceptance limits.
*a	Outside of specification
B	Compound was found in the blank and sample.
J	Estimated value
Ja	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate 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.



Spectrum Analytical

CHAIN OF CUSTODY RECORD

Page 1 of 1

FedEx # 8088 8989 0215 **Sc56201**

Special Handling:

- ☒ 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: AECOMInvoice To: SameProject No: 60276639-140 British American Blvd.
Catnam NY 12110Site Name: New Corp / 3-14-008Location: Staatsburg State: NYTelephone #: 518-951-2200

P.O. No.: _____

Quote #: _____

Sampler(s): _____

SR6F=Field Filtered 1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid
7=CH₃OH 8=NaHSO₄ 9=Deionized Water 10=H₂PO₄ 11= none 12= _____

List Preservative Code below:

2 4 11 3 5

QA/QC Reporting Notes:
* additional charges may applyDW=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=C-Composite

Lab ID: Sample ID: Date: Time: Type: Matrix:

of VOA Vials
of Amber Glass
of Clear Glass
of Plastic

Containers

Analysis

Check if chlorinated

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

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

Sc56201-1 EFF55091819 9-18-19 1343 G 6W 3 1 1 4

-02 INF 091819 1333

-03 TW-1 091819 1330

-04 TW-2A 091819 1340

-05 TW 3 091819 1335

-06 TB 091819

2

Relinquished by:

Received by:

Date:

Time:

Temp °C

Observed

E-mail to:

E-mail to:

E-mail to:

John DayFedEx9/18/1916513.103.10000FedExFedEx9/18/1910503.103.10000

Condition upon receipt:

Custody Seals:

Present ☒ Intact ☐ BrokenAmbient ☒ Ice ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

000391

00200

23694

fedex.com 1.800.GoFedEx 1.800.463.3339

05667048

FedEx Package
Express US Airbill

 FedEx Tracking Number
8088 8989 3579

1 From Date 7-18-19

Sender's Name Steve Gray Phone 518 951-2200

Company AECOM TECHNICAL SERVICES

Address 40 BRITISH AMERICAN BLVD

City LATHAM State NY ZIP 12110-1421

2 Your Internal Billing Reference 60276634-1

3 To Recipient's Name Sample Receiving Company Phone 413 789-9012

Company Eutectic Spectroscopy Analytical

Address 11 Kingston Dr.

Address We cannot deliver to PO boxes or PO ZIP codes.

City Agawam State MA ZIP 01001



8088 8989 3579

0120406210

Form ID No. 0215

4 Express Package Service

NOTE: Service order has changed. Please select carefully.

Next Business Day

☐ FedEx First Overnight

☐ FedEx Priority Overnight

☒ FedEx Standard Overnight

☐ FedEx 2Day

☐ FedEx Envelope*

☐ FedEx Pak*

6 Special Handling and Delivery Signature Options

☐ SATURDAY Delivery

☐ No Signature Required

☐ Direct Signature

☐ Indirect Signature

☐ Does this shipment contain dangerous goods?

☒ No

☐ Yes

☐ One box must be checked.

☐ Sender

☐ Recipient

☐ Third Party

☐ Credit Card

☐ Cash/Check

☐ Total Packages

☐ Total Weight

☐ Dry Ice

☐ Cargo Aircraft Only

☐ Other

☐ FedEx Express Saver

☐ FedEx 2Day

☐ FedEx 2Day A.M.

☐ FedEx 2Day

☐ FedEx Express

☐ FedEx Standard Overnight

☐ FedEx Priority Overnight

☐ FedEx First Overnight

☐ Next Business Day

fedex.com 1.800.GoFedEx 1.800.463.3339

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Batch Summary

192660571301

Subcontracted Analyses

P155151D221041
P155151M221045
P155151R221043
P26671ABB
P26671AQQ
SC56201-01 (EFF55 091819)
SC56201-02 (INF 091819)

192661404712A

Subcontracted Analyses

P26604LBB
P26604LQQ
SC56201-01 (EFF55 091819)
SC56201-02 (INF 091819)

19267807901A

Subcontracted Analyses

B267101B
L267101Q
L267101Y
SC56201-01 (EFF55 091819)
SC56201-02 (INF 091819)

497766A

Subcontracted Analyses

CE13528-BLK
CE13528-LCS
SC56201-01 (EFF55 091819)
SC56201-02 (INF 091819)

497859A

Subcontracted Analyses

CE12673-BLK
CE12673-LCS
SC56201-01 (EFF55 091819)
SC56201-02 (INF 091819)

498012A

Subcontracted Analyses

CE12287-BLK
CE12287-LCS
SC56201-01 (EFF55 091819)
SC56201-02 (INF 091819)

642214

Subcontracted Analyses

642214-30
642214-4
642214-8
SC56201-01 (EFF55 091819)

SC56201-02 (INF 091819)
SC56201-03 (TW-1 091819)
SC56201-04 (TW-2A 091819)
SC56201-05 (TW-3 091819)

642474

Subcontracted Analyses

642474-11
642474-12
642474-8
SC56201-06 (TB 091819)