# Operation, Maintenance and Monitoring Report
# November - December 2018

# NOW Corporation
# NYSDEC Site No. 3-14-008

# Work Assignment No.
# D007626-25

Prepared for:

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

Prepared by:

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

January 2019

January 29, 2019

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

**Re: NOW Corporation - Site No. 3-14-008**
**O&M Summary Report: November-December 2018**

Dear Mr. Strang:

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 44-day period (**October 24 – December 7, 2018**).

With the exceptions noted below, if any, the pump and treat system was online and operational throughout the reporting period. Approximately 695,900 gallons of water were treated. Discharge from the treatment system averaged approximately 15,800 gallons per day (gpd).

As of the last day of the reporting period, a total of 113,758,000 gallons of groundwater had been recovered and treated by the system since it became operational in February 1998.

Table 1 summarizes influent and effluent analytical data for water samples collected on December 7, 2018. **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 965 ug/L; last month's value was 393 ug/L.

Table 2 presents selected operational data recorded on the sampling date. Table 3 presents water levels measured in selected monitoring wells.

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

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

December 7 – Performed monthly system inspection and influent and effluent sampling. Turned all recovery well pumps off to allow recharge prior to sampling to ensure all recovery wells were contributing to effluent and total influent samples. Disassembled TW-2A flow meter; removed black pieces of scale that had been jamming the impeller. Confirmed proper operation of heat tape on exposed portion of outdoor effluent line. The VFD regulating the stripper blower was at 60 Hz upon arrival, and remained at that setting upon departure.

Please feel free to contact me at (518) 951-2262, or at stephen.choiniere@aecom.com if you have any questions or comments regarding this report or the operation of the treatment system.

Sincerely,
AECOM Technical Services Northeast, Inc.

Stephen R. Choiniere
Project Manager

# Table 1
## Summary of Influent and Effluent Data
## Sampling Date: December 7, 2018
## NOW Corporation Site
## NYSDEC Site No. 3-14-008
## Town of Clinton, New York

| Analytes/ Parameters | Total Influent | Effluent | Recovery Wells | | | Effluent Limitations | (units) |
|---|---|---|---|---|---|---|---|
| | | | TW-1 | TW-2A | TW-3 | | |
| Quantity treated, avg per day | | 15,815 | | | | Monitor | gallons |
| pH | 7.3 | 7.7 | | | | 6.5 to 8.5 | standard units |
| Oil and Grease | **1.30** | <0.990 | NA | NA | NA | 15 | mg/L |
| Total Cyanide | <0.010 | <0.010 | NA | NA | NA | 0.01 | mg/L |
| TDS | **232** | **254** | NA | NA | NA | 1000 | mg/L |
| TSS | **5.0** | **0.2 J** | NA | NA | NA | 50 | mg/L |
| Aluminum, Total | <25.0 | <25.0 | NA | NA | NA | Monitor | ug/L |
| Arsenic, Total | <4.00 | <4.00 | NA | NA | NA | 100 | ug/L |
| Barium, Total | **58.5** | **70.1** | NA | NA | NA | Monitor | ug/L |
| Chromium | <5.0 | <5.0 | NA | NA | NA | 400 | ug/L |
| Copper | <20.0 | <5.0 | NA | NA | NA | 24 | ug/L |
| Iron | **195 J** | <200 | NA | NA | NA | 600 | ug/L |
| Mercury | <0.20 | <0.20 | NA | NA | NA | 0.8 | ug/L |
| Manganese | **314** | **48.0** | NA | NA | NA | Monitor | ug/L |
| Nickel | <10.0 | <5.0 | NA | NA | NA | 200 | ug/L |
| Zinc | **5.5 J** | <20.0 | NA | NA | NA | 150 | ug/L |
| 1,1,1-Trichloroethane | **540** | **0.7 J** | **0.7 J** | **590** | **7** | 10 | ug/L |
| 1,1,2-Trichloroethane | <1.00 | <1.00 | <1.00 | **0.2 J** | <1.00 | 1.2 | ug/L |
| 1,1-Dichloroethane | **65** | **0.3 J** | **21** | **82** | **5** | 10 | ug/L |
| 1,1-Dichloroethene | **7** | <0.50 | **8** | **10** | **1 J** | 0.5 | ug/L |
| 1,2-Dichloroethane | **0.3 J** | <1.00 | <1.00 | **0.4 J** | <1.00 | 1.6 | ug/L |
| 2-Butanone | <10 | <5.0 | <2.00 | <2.00 | <2.00 | NL | ug/L |
| Benzene | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | 1.4 | ug/L |
| Chlorobenzene | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | 10 | ug/L |
| Chloroethane | <1.00 | <2.00 | <2.00 | <1.00 | <1 | 10 | ug/L |
| *cis* -1,2-Dichloroethene | **6** | <1.00 | **3** | **12** | **0.5 J** | 5 | ug/L |
| Ethylbenzene | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | 10 | ug/L |
| o-Xylene | <1 | <1.00 | <1.00 | <1.00 | <1.00 | 5 | ug/L |
| m,p-Xylene | <5 | <2.00 | <2.00 | <2.00 | <2.00 | 10 | ug/L |
| Tetrachloroethene | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | 1.4 | ug/L |
| Tertrahydrofuran | <2.00 | **2 J** | <2.00 | <2.00 | <2.00 | NL | ug/L |
| Toluene | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | 10 | ug/L |
| Trichloroethene | **150** | **0.5 J** | **38** | **270** | **14** | 6 | ug/L |
| Vinyl Chloride | <1 | <1 | <1 | **0.4 J** | <1 | 0.6 | ug/L |

*Notes:*

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

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

*3) NA indicates not analyzed.*

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

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

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

*7) NL indicates no effluent limitations specified.*

# Table 2
# Summary of December 2018 O&M Data

**NOW Corporation Site**
**Town of Clinton, New York**

| **Instrumentation/Readings:** | | **12/7/18** | **Units** |
|---|---|---|---|
| ***TW-1*** | | | |
| | Pumping Rate | 1 | GPM |
| | Water Level Above Transducer | 14.80 | feet |
| | Flow Meter Reading | 9,281,800 | gallons |
| | Pump Pressure | 0 | psi |
| ***TW-2A*** | | | |
| | Pumping Rate | 13 | GPM |
| | Water Level Above Transducer | 42.70 | feet |
| | Flow Meter Reading | 17,484,700 | gallons |
| | Pump Pressure | 0 | psi |
| ***TW-3*** | | | |
| | Pumping Rate | 8 | GPM |
| | Water Level Above Transducer | 34.34 | feet |
| | Flow Meter Reading | 16,029,900 | gallons |
| | Pump Pressure | 0 | psi |
| ***VFD Setting*** | Arrival | 60 | Hz |
| | Departure | 60 | Hz |
| ***Air Stripper*** | | | |
| | Stripper Blower Pressure | 13 | inches $H_2O$ |
| | Air Temperature in Stripper | 52 | °F |
| ***Effluent Flow*** | | | |
| | Effluent Flow this period | 695,868 | gallons |
| | Total Effluent Flow | 113,758,209 | gallons |

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

| Well ID | MP Elevation | 12/7/18 | |
|---|---|---|---|
| | | Depth to Water (Ft below MP) | GW Elevation |
| MW-1 | 289.50 | 9.20 | 280.30 |
| MW-2 | 332.51 | 24.16 | 308.35 |
| MW-3 | 312.83 | 20.10 | 292.73 |
| MW-3S | 312.51 | 17.74 | 294.77 |
| MW-4S | 298.29 | 20.10 | 278.19 |
| MW-4D | 298.16 | 19.91 | 278.25 |
| MW-5 | 285.48 | 17.37 | 268.11 |
| MW-6S | 287.90 | 3.63 | 284.27 |
| MW-6D | 287.25 | 5.84 | 281.41 |
| MW-7S | 292.12 | 12.40 | 279.72 |
| MW-7D | 292.54 | 24.58 | 267.96 |
| OW-1 | 307.75 | 40.19 | 267.56 |
| OW-2 | 305.96 | 64.33 | 241.63 |
| OW-3 | NA | -- | NA |
| OW-4 | NA | -- | NA |
| OW-5 | NA | -- | NA |
| OW-6 | 294.81 | 4.21 | 290.60 |
| IW-1 | 312.46 | 21.79 | 290.67 |
| IW-2 | 304.56 | 30.35 | 274.21 |
| MW-8 | 283.65 | -- | NA |
| MW-9 | 275.37 | -- | NA |
| MW-10 | 280.92 | -- | NA |
| MW-11 | 283.72 | -- | NA |
| MW-12S | NA | -- | NA |
| MW-12D | NA | -- | NA |

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

eurofins | Spectrum Analytical

☑ Final Report
☐ Revised Report

Report Date:
28-Dec-18 13:10

# *Laboratory Report*
# SC52491

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.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87936
Maine # MA138
New Hampshire # 2972/2538
New Jersey # MA011
New York # 11393
Pennsylvania # 68-04426/68-02924
Rhode Island # LAO00348
USDA # P330-15-00375
Vermont # VT-11393

Authorized by:

Christina White
Technical Director

Christina A. White

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 30 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Eurofins Spectrum Analytical, Inc.

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

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

## Sample Summary

**Work Order:** SC52491

**Project:** Now Corp - Staatsburg, NY

**Project Number:** 60276639-1

| Laboratory ID | Client Sample ID | Matrix | Date Sampled | Date Received |
|---|---|---|---|---|
| SC52491-01 | EFF 60 120718 | Ground Water | 07-Dec-18 12:18 | 10-Dec-18 10:48 |
| SC52491-02 | INF 120718 | Ground Water | 07-Dec-18 12:11 | 10-Dec-18 10:48 |
| SC52491-03 | TW-1 120718 | Ground Water | 07-Dec-18 12:05 | 10-Dec-18 10:48 |
| SC52491-04 | TW-2A 120718 | Ground Water | 07-Dec-18 12:22 | 10-Dec-18 10:48 |
| SC52491-05 | TW-3 120718 | Ground Water | 07-Dec-18 12:15 | 10-Dec-18 10:48 |
| SC52491-06 | TB 120718 | Trip Blank | 07-Dec-18 00:00 | 10-Dec-18 10:48 |

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

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

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

## SW-846 6010C

**Blanks:**

P35104AB351404401

Estimated value

Iron

**Samples:**

SC52491-02 *INF 120718*

Estimated value

Iron
Zinc

## SW-846 8260C

**Laboratory Control Samples:**

LCSL43QL183533AA

Estimated value

Ethanol

**Samples:**

SC52491-01 *EFF 60 120718*

Estimated value

1,1,1-Trichloroethane
1,1-Dichloroethane
Acetone
Tetrahydrofuran
Trichloroethene

SC52491-02 *INF 120718*

Estimated value

1,2-Dichloroethane
Acetone

SC52491-03 *TW-1 120718*

## SW-846 8260C

**Samples:**

SC52491-03 *TW-1 120718*

Estimated value

1,1,1-Trichloroethane
Acetone

SC52491-04 *TW-2A 120718*

Estimated value

1,1,2-Trichloroethane
1,2-Dichloroethane
Vinyl Chloride

SC52491-05 *TW-3 120718*

Estimated value

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

LCSL43YL183533AA

Estimated value

Ethanol

## Sample Acceptance Check Form

| | |
|---|---|
| Client: | AECOM Environment - Latham, NY |
| Project: | Now Corp - Staatsburg, NY / 60276639-1 |
| Work Order: | SC52491 |
| Sample(s) received on: | 12/10/2018 |

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

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

## Summary of Hits

**Lab ID:** SC52491-01 **Client ID:** EFF 60 120718

| Parameter | Result | Flag | Reporting Limit | Units | Analytical Method |
|---|---|---|---|---|---|
| Total Dissolved Solids | 254 | | 5 | mg/l | SM18-22 2540C |
| Total Suspended Solids | 0.2 | J | 0.5 | mg/l | SM2540D (11) |
| Barium | 0.0701 | | 0.0050 | mg/l | SW-846 6010C |
| Manganese | 0.0480 | | 0.0200 | mg/l | SW-846 6010C |
| 1,1,1-Trichloroethane | 0.7 | J. | 1 | ug/l | SW-846 8260C |
| 1,1-Dichloroethane | 0.3 | J. | 1 | ug/l | SW-846 8260C |
| Acetone | 1 | J. | 20 | ug/l | SW-846 8260C |
| Tetrahydrofuran | 2 | J. | 10 | ug/l | SW-846 8260C |
| Trichloroethene | 0.5 | J. | 1 | ug/l | SW-846 8260C |

**Lab ID:** SC52491-02 **Client ID:** INF 120718

| Parameter | Result | Flag | Reporting Limit | Units | Analytical Method |
|---|---|---|---|---|---|
| Oil & Grease | 1.30 | | 1.00 | mg/l | EPA 1664B |
| Total Dissolved Solids | 232 | | 5 | mg/l | SM18-22 2540C |
| Total Suspended Solids | 5.0 | | 0.5 | mg/l | SM2540D (11) |
| Barium | 0.0585 | | 0.0050 | mg/l | SW-846 6010C |
| Iron | 0.195 | J. | 0.200 | mg/l | SW-846 6010C |
| Manganese | 0.314 | | 0.0200 | mg/l | SW-846 6010C |
| Zinc | 0.0055 | J. | 0.0200 | mg/l | SW-846 6010C |
| 1,1,1-Trichloroethane | 540 | | 10 | ug/l | SW-846 8260C |
| 1,1-Dichloroethane | 65 | | 1 | ug/l | SW-846 8260C |
| 1,1-Dichloroethene | 7 | | 1 | ug/l | SW-846 8260C |
| 1,2-Dichloroethane | 0.3 | J. | 1 | ug/l | SW-846 8260C |
| Acetone | 1 | J. | 20 | ug/l | SW-846 8260C |
| cis-1,2-Dichloroethene | 6 | | 1 | ug/l | SW-846 8260C |
| Trichloroethene | 150 | | 1 | ug/l | SW-846 8260C |

**Lab ID:** SC52491-03 **Client ID:** TW-1 120718

| Parameter | Result | Flag | Reporting Limit | Units | Analytical Method |
|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | 0.7 | J. | 1 | ug/l | SW-846 8260C |
| 1,1-Dichloroethane | 21 | | 1 | ug/l | SW-846 8260C |
| 1,1-Dichloroethene | 8 | | 1 | ug/l | SW-846 8260C |
| Acetone | 1 | J. | 20 | ug/l | SW-846 8260C |
| cis-1,2-Dichloroethene | 3 | | 1 | ug/l | SW-846 8260C |
| Trichloroethene | 38 | | 1 | ug/l | SW-846 8260C |

**Lab ID:** SC52491-04 **Client ID:** TW-2A 120718

| Parameter | Result | Flag | Reporting Limit | Units | Analytical Method |
|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | 590 | | 10 | ug/l | SW-846 8260C |
| 1,1,2-Trichloroethane | 0.2 | J. | 1 | ug/l | SW-846 8260C |
| 1,1-Dichloroethane | 82 | | 1 | ug/l | SW-846 8260C |
| 1,1-Dichloroethene | 10 | | 1 | ug/l | SW-846 8260C |
| 1,2-Dichloroethane | 0.4 | J. | 1 | ug/l | SW-846 8260C |
| cis-1,2-Dichloroethene | 12 | | 1 | ug/l | SW-846 8260C |
| Trichloroethene | 270 | | 1 | ug/l | SW-846 8260C |
| Vinyl Chloride | 0.4 | J. | 1 | ug/l | SW-846 8260C |

**Lab ID:** SC52491-05 **Client ID:** TW-3 120718

| Parameter | Result | Flag | Reporting Limit | Units | Analytical Method |
|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | 7 | | 1 | ug/l | SW-846 8260C |
| 1,1-Dichloroethane | 5 | | 1 | ug/l | SW-846 8260C |
| 1,1-Dichloroethene | 1 | J. | 1 | ug/l | SW-846 8260C |
| cis-1,2-Dichloroethene | 0.5 | J. | 1 | ug/l | SW-846 8260C |
| Trichloroethene | 14 | | 1 | ug/l | SW-846 8260C |

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

| Sample Identification | Client Project # | Matrix | Collection Date/Time | Received |
|---|---|---|---|---|
| **EFF 60 120718** | 60276639-1 | Ground Water | 07-Dec-18 12:18 | 10-Dec-18 |
| SC52491-01 | | | | |

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Extractable Petroleum Hydrocarbons** | | | | | | | | | | | | | |
| Prepared by method General Preparation SVOC | | | | | | | | | | | | | |
| | Oil & Grease | < 0.990 | U,OG | mg/l | 0.990 | 0.906 | 1 | EPA 1664B | 14-Dec-18 | 14-Dec-18 | JB | 1816079 | X |
| **General Chemistry Parameters** | | | | | | | | | | | | | |
| | Total Dissolved Solids | **254** | | mg/l | 5 | 3 | 1 | SM18-22 2540C | 11-Dec-18 | 12-Dec-18 | CMB | 1815996 | X |
| | Total Suspended Solids | **0.2** | J | mg/l | 0.5 | 0.2 | 1 | SM2540D (11) | 11-Dec-18 | 12-Dec-18 | CMB | 1815998 | X |
| **Subcontracted Analyses** | | | | | | | | | | | | | |
| Prepared by method METHOD | | | | | | | | | | | | | |
| *Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670* | | | | | | | | | | | | | |
| 57-12-5 | Total Cyanide (water) | < 0.010 | | mg/l | 0.010 | 0.0050 | 1 | EPA 335.4 | 14-Dec-18 17:30 | 15-Dec-18 11:24 | 10670 | 34810210 | |
| Subcontracted Analyses | | | | | | | | | | | | | |
| Prepared by method SW-846 3005A | | | | | | | | | | | | | |
| *Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670* | | | | | | | | | | | | | |
| 7429-90-5 | Aluminum | < 0.300 | | mg/l | 0.300 | 0.153 | 1 | SW-846 6010C | 20-Dec-18 09:30 | 20-Dec-18 23:08 | 10670 | 35114044 | |
| 7440-38-2 | Arsenic | < 0.0500 | | mg/l | 0.0500 | 0.0160 | 1 | " | " | " | " | " | |
| 7440-39-3 | Barium | **0.0701** | | mg/l | 0.0050 | 0.0010 | 1 | " | " | " | " | " | |
| 7440-47-3 | Chromium | < 0.0150 | | mg/l | 0.0150 | 0.0053 | 1 | " | " | " | " | " | |
| 7440-50-8 | Copper | < 0.0200 | | mg/l | 0.0200 | 0.0062 | 1 | " | " | " | " | " | |
| 7439-89-6 | Iron | < 0.200 | | mg/l | 0.200 | 0.0400 | 1 | " | " | " | " | " | |
| 7439-96-5 | Manganese | **0.0480** | | mg/l | 0.0200 | 0.0011 | 1 | " | " | " | " | " | |
| 7440-02-0 | Nickel | < 0.0100 | | mg/l | 0.0100 | 0.0031 | 1 | " | " | " | " | " | |
| 7440-66-6 | Zinc | < 0.0200 | | mg/l | 0.0200 | 0.0030 | 1 | " | " | " | " | " | |
| 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 | 17-Dec-18 17:10 | 18-Dec-18 07:36 | 10670 | 34605713 | |
| Subcontracted Analyses | | | | | | | | | | | | | |
| Prepared by method SW-846 5030C | | | | | | | | | | | | | |
| *Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670* | | | | | | | | | | | | | |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 1 | | ug/l | 1 | 0.2 | 1 | SW-846 8260C | 19-Dec-18 23:18 | 19-Dec-18 23:19 | 10670 | 183533A/ | |
| 71-55-6 | 1,1,1-Trichloroethane | **0.7** | J. | ug/l | 1 | 0.3 | 1 | " | " | " | " | " | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 79-00-5 | 1,1,2-Trichloroethane | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 75-34-3 | 1,1-Dichloroethane | **0.3** | J. | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 75-35-4 | 1,1-Dichloroethene | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 563-58-6 | 1,1-Dichloropropene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 5 | | ug/l | 5 | 0.4 | 1 | " | " | " | " | " | |
| 96-18-4 | 1,2,3-Trichloropropane | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 5 | | ug/l | 5 | 0.3 | 1 | " | " | " | " | " | |
| 95-63-6 | 1,2,4-Trimethylbenzene | < 5 | | ug/l | 5 | 1 | 1 | " | " | " | " | " | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | < 5 | | ug/l | 5 | 0.3 | 1 | " | " | " | " | " | |
| 106-93-4 | 1,2-Dibromoethane | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 95-50-1 | 1,2-Dichlorobenzene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 107-06-2 | 1,2-Dichloroethane | < 1 | | ug/l | 1 | 0.3 | 1 | " | " | " | " | " | |
| 78-87-5 | 1,2-Dichloropropane | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |

| Sample Identification | Client Project # | Matrix | Collection Date/Time | Received |
|---|---|---|---|---|
| **EFF 60 120718** | 60276639-1 | Ground Water | 07-Dec-18 12:18 | 10-Dec-18 |
| SC52491-01 | | | | |

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Subcontracted Analyses** | | | | | | | | | | | | | |
| Subcontracted Analyses | | | | | | | | | | | | | |
| *Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670* | | | | | | | | | | | | | |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 5 | | ug/l | 5 | 0.3 | 1 | SW-846 8260C | 19-Dec-18 23:18 | 19-Dec-18 23:19 | 10670 | 183533A | |
| 541-73-1 | 1,3-Dichlorobenzene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 142-28-9 | 1,3-Dichloropropane | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 106-46-7 | 1,4-Dichlorobenzene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 123-91-1 | 1,4-Dioxane | < 250 | | ug/l | 250 | 29 | 1 | " | " | " | " | " | |
| 594-20-7 | 2,2-Dichloropropane | < 1 | | ug/l | 1 | 0.3 | 1 | " | " | " | " | " | |
| 78-93-3 | 2-Butanone | < 10 | | ug/l | 10 | 0.3 | 1 | " | " | " | " | " | |
| 95-49-8 | 2-Chlorotoluene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 591-78-6 | 2-Hexanone | < 10 | | ug/l | 10 | 0.3 | 1 | " | " | " | " | " | |
| 106-43-4 | 4-Chlorotoluene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 108-10-1 | 4-Methyl-2-pentanone | < 10 | | ug/l | 10 | 0.5 | 1 | " | " | " | " | " | |
| 67-64-1 | Acetone | 1 | J. | ug/l | 20 | 0.7 | 1 | " | " | " | " | " | |
| 107-13-1 | Acrylonitrile | < 20 | | ug/l | 20 | 0.3 | 1 | " | " | " | " | " | |
| 71-43-2 | Benzene | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 108-86-1 | Bromobenzene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 74-97-5 | Bromochloromethane | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 75-27-4 | Bromodichloromethane | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 75-25-2 | Bromoform | < 4 | | ug/l | 4 | 0.2 | 1 | " | " | " | " | " | |
| 74-83-9 | Bromomethane | < 1 | | ug/l | 1 | 0.3 | 1 | " | " | " | " | " | |
| 75-15-0 | Carbon Disulfide | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 56-23-5 | Carbon Tetrachloride | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 108-90-7 | Chlorobenzene | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 75-00-3 | Chloroethane | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 67-66-3 | Chloroform | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 74-87-3 | Chloromethane | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 156-59-2 | cis-1,2-Dichloroethene | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 10061-01-5 | cis-1,3-Dichloropropene | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 108-20-3 | di-Isopropyl ether | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 124-48-1 | Dibromochloromethane | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 74-95-3 | Dibromomethane | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 75-71-8 | Dichlorodifluoromethane | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 64-17-5 | Ethanol | < 750 | | ug/l | 750 | 280 | 1 | " | " | " | " | " | |
| 60-29-7 | Ethyl ether | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 637-92-3 | Ethyl t-butyl ether | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 100-41-4 | Ethylbenzene | < 1 | | ug/l | 1 | 0.4 | 1 | " | " | " | " | " | |
| 76-13-1 | Freon 113 | < 10 | | ug/l | 10 | 0.2 | 1 | " | " | " | " | " | |
| 87-68-3 | Hexachlorobutadiene | < 5 | | ug/l | 5 | 0.7 | 1 | " | " | " | " | " | |
| 98-82-8 | Isopropylbenzene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 179601-23-1 | m+p-Xylene | < 5 | | ug/l | 5 | 1 | 1 | " | " | " | " | " | |
| 1634-04-4 | Methyl Tertiary Butyl Ether | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 75-09-2 | Methylene Chloride | < 1 | | ug/l | 1 | 0.3 | 1 | " | " | " | " | " | |
| 104-51-8 | n-Butylbenzene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 103-65-1 | n-Propylbenzene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 91-20-3 | Naphthalene | < 5 | | ug/l | 5 | 1 | 1 | " | " | " | " | " | |

| Sample Identification | Client Project # | Matrix | Collection Date/Time | Received |
|---|---|---|---|---|
| **EFF 60 120718** SC52491-01 | 60276639-1 | Ground Water | 07-Dec-18 12:18 | 10-Dec-18 |

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Subcontracted Analyses** | | | | | | | | | | | | | |
| Subcontracted Analyses | | | | | | | | | | | | | |
| *Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670* | | | | | | | | | | | | | |
| 95-47-6 | o-Xylene | < 1 | | ug/l | 1 | 0.4 | 1 | SW-846 8260C | 19-Dec-18 23:18 | 19-Dec-18 23:19 | 10670 | 183533A | |
| 99-87-6 | p-Isopropyltoluene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 135-98-8 | sec-Butylbenzene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 100-42-5 | Styrene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 994-05-8 | t-Amyl methyl ether | < 5 | | ug/l | 5 | 0.8 | 1 | " | " | " | " | " | |
| 75-65-0 | t-Butyl alcohol | < 50 | | ug/l | 50 | 12 | 1 | " | " | " | " | " | |
| 98-06-6 | tert-Butylbenzene | < 5 | | ug/l | 5 | 0.3 | 1 | " | " | " | " | " | |
| 127-18-4 | Tetrachloroethene | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 109-99-9 | Tetrahydrofuran | **2** | J. | ug/l | 10 | 0.7 | 1 | " | " | " | " | " | |
| 108-88-3 | Toluene | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 156-60-5 | trans-1,2-Dichloroethene | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 10061-02-6 | trans-1,3-Dichloropropene | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 110-57-6 | trans-1,4-Dichloro-2-buten e | < 50 | | ug/l | 50 | 6 | 1 | " | " | " | " | " | |
| 79-01-6 | Trichloroethene | **0.5** | J. | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 75-69-4 | Trichlorofluoromethane | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 75-01-4 | Vinyl Chloride | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| *Surrogate recoveries:* | | | | | | | | | | | | | |
| *17060-07-0* | *1,2-Dichloroethane-d4* | *100* | | | *80-120 %* | | | " | " | " | " | " | |
| *460-00-4* | *4-Bromofluorobenzene* | *97* | | | *80-120 %* | | | " | " | " | " | " | |
| *1868-53-7* | *Dibromofluoromethane* | *98* | | | *80-120 %* | | | " | " | " | " | " | |
| *2037-26-5* | *Toluene-d8* | *99* | | | *80-120 %* | | | " | " | " | " | " | |

| Sample Identification | Client Project # | Matrix | Collection Date/Time | Received |
|---|---|---|---|---|
| **INF 120718** | 60276639-1 | Ground Water | 07-Dec-18 12:11 | 10-Dec-18 |
| SC52491-02 | | | | |

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Extractable Petroleum Hydrocarbons** | | | | | | | | | | | | | |
| Prepared by method General Preparation SVOC | | | | | | | | | | | | | |
| | Oil & Grease | **1.30** | OG | mg/l | 1.00 | 0.915 | 1 | EPA 1664B | 14-Dec-18 | 14-Dec-18 | JB | 1816079 | X |
| **General Chemistry Parameters** | | | | | | | | | | | | | |
| | Total Dissolved Solids | **232** | | mg/l | 5 | 3 | 1 | SM18-22 2540C | 11-Dec-18 | 12-Dec-18 | CMB | 1815996 | X |
| | Total Suspended Solids | **5.0** | | mg/l | 0.5 | 0.2 | 1 | SM2540D (11) | 11-Dec-18 | 12-Dec-18 | CMB | 1815998 | X |
| **Subcontracted Analyses** | | | | | | | | | | | | | |
| Prepared by method METHOD | | | | | | | | | | | | | |
| *Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670* | | | | | | | | | | | | | |
| 57-12-5 | Total Cyanide (water) | < 0.010 | | mg/l | 0.010 | 0.0050 | 1 | EPA 335.4 | 14-Dec-18 17:30 | 15-Dec-18 11:25 | 10670 | 34810210 | |
| Subcontracted Analyses | | | | | | | | | | | | | |
| Prepared by method SW-846 3005A | | | | | | | | | | | | | |
| *Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670* | | | | | | | | | | | | | |
| 7429-90-5 | Aluminum | < 0.300 | | mg/l | 0.300 | 0.153 | 1 | SW-846 6010C | 20-Dec-18 09:30 | 20-Dec-18 23:11 | 10670 | 35114044 | |
| 7440-38-2 | Arsenic | < 0.0500 | | mg/l | 0.0500 | 0.0160 | 1 | " | " | " | " | " | |
| 7440-39-3 | Barium | **0.0585** | | mg/l | 0.0050 | 0.0010 | 1 | " | " | " | " | " | |
| 7440-47-3 | Chromium | < 0.0150 | | mg/l | 0.0150 | 0.0053 | 1 | " | " | " | " | " | |
| 7440-50-8 | Copper | < 0.0200 | | mg/l | 0.0200 | 0.0062 | 1 | " | " | " | " | " | |
| 7439-89-6 | Iron | **0.195** | J. | mg/l | 0.200 | 0.0400 | 1 | " | " | " | " | " | |
| 7439-96-5 | Manganese | **0.314** | | mg/l | 0.0200 | 0.0011 | 1 | " | " | " | " | " | |
| 7440-02-0 | Nickel | < 0.0100 | | mg/l | 0.0100 | 0.0031 | 1 | " | " | " | " | " | |
| 7440-66-6 | Zinc | **0.0055** | J. | mg/l | 0.0200 | 0.0030 | 1 | " | " | " | " | " | |
| 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 | 17-Dec-18 07:30 | 17-Dec-18 11:56 | 10670 | 34805713 | |
| Subcontracted Analyses | | | | | | | | | | | | | |
| Prepared by method SW-846 5030C | | | | | | | | | | | | | |
| *Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670* | | | | | | | | | | | | | |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 1 | | ug/l | 1 | 0.2 | 1 | SW-846 8260C | 19-Dec-18 23:40 | 19-Dec-18 23:41 | 10670 | 183533A/ | |
| 71-55-6 | 1,1,1-Trichloroethane | **540** | | ug/l | 10 | 3 | 10 | " | " | " | " | " | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 79-00-5 | 1,1,2-Trichloroethane | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 75-34-3 | 1,1-Dichloroethane | **65** | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 75-35-4 | 1,1-Dichloroethene | **7** | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 563-58-6 | 1,1-Dichloropropene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 5 | | ug/l | 5 | 0.4 | 1 | " | " | " | " | " | |
| 96-18-4 | 1,2,3-Trichloropropane | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 5 | | ug/l | 5 | 0.3 | 1 | " | " | " | " | " | |
| 95-63-6 | 1,2,4-Trimethylbenzene | < 5 | | ug/l | 5 | 1 | 1 | " | " | " | " | " | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | < 5 | | ug/l | 5 | 0.3 | 1 | " | " | " | " | " | |
| 106-93-4 | 1,2-Dibromoethane | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 95-50-1 | 1,2-Dichlorobenzene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 107-06-2 | 1,2-Dichloroethane | **0.3** | J. | ug/l | 1 | 0.3 | 1 | " | " | " | " | " | |
| 78-87-5 | 1,2-Dichloropropane | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |

| Sample Identification | Client Project # | Matrix | Collection Date/Time | Received |
|---|---|---|---|---|
| **INF 120718** | 60276639-1 | Ground Water | 07-Dec-18 12:11 | 10-Dec-18 |
| SC52491-02 | | | | |

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Subcontracted Analyses** | | | | | | | | | | | | | |
| Subcontracted Analyses | | | | | | | | | | | | | |
| *Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670* | | | | | | | | | | | | | |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 5 | | ug/l | 5 | 0.3 | 1 | SW-846 8260C | 19-Dec-18 23:40 | 19-Dec-18 23:41 | 10670 | 183533A | |
| 541-73-1 | 1,3-Dichlorobenzene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 142-28-9 | 1,3-Dichloropropane | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 106-46-7 | 1,4-Dichlorobenzene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 123-91-1 | 1,4-Dioxane | < 250 | | ug/l | 250 | 29 | 1 | " | " | " | " | " | |
| 594-20-7 | 2,2-Dichloropropane | < 1 | | ug/l | 1 | 0.3 | 1 | " | " | " | " | " | |
| 78-93-3 | 2-Butanone | < 10 | | ug/l | 10 | 0.3 | 1 | " | " | " | " | " | |
| 95-49-8 | 2-Chlorotoluene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 591-78-6 | 2-Hexanone | < 10 | | ug/l | 10 | 0.3 | 1 | " | " | " | " | " | |
| 106-43-4 | 4-Chlorotoluene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 108-10-1 | 4-Methyl-2-pentanone | < 10 | | ug/l | 10 | 0.5 | 1 | " | " | " | " | " | |
| 67-64-1 | Acetone | 1 | J. | ug/l | 20 | 0.7 | 1 | " | " | " | " | " | |
| 107-13-1 | Acrylonitrile | < 20 | | ug/l | 20 | 0.3 | 1 | " | " | " | " | " | |
| 71-43-2 | Benzene | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 108-86-1 | Bromobenzene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 74-97-5 | Bromochloromethane | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 75-27-4 | Bromodichloromethane | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 75-25-2 | Bromoform | < 4 | | ug/l | 4 | 0.2 | 1 | " | " | " | " | " | |
| 74-83-9 | Bromomethane | < 1 | | ug/l | 1 | 0.3 | 1 | " | " | " | " | " | |
| 75-15-0 | Carbon Disulfide | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 56-23-5 | Carbon Tetrachloride | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 108-90-7 | Chlorobenzene | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 75-00-3 | Chloroethane | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 67-66-3 | Chloroform | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 74-87-3 | Chloromethane | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 156-59-2 | cis-1,2-Dichloroethene | 6 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 10061-01-5 | cis-1,3-Dichloropropene | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 108-20-3 | di-Isopropyl ether | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 124-48-1 | Dibromochloromethane | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 74-95-3 | Dibromomethane | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 75-71-8 | Dichlorodifluoromethane | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 64-17-5 | Ethanol | < 750 | | ug/l | 750 | 280 | 1 | " | " | " | " | " | |
| 60-29-7 | Ethyl ether | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 637-92-3 | Ethyl t-butyl ether | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 100-41-4 | Ethylbenzene | < 1 | | ug/l | 1 | 0.4 | 1 | " | " | " | " | " | |
| 76-13-1 | Freon 113 | < 10 | | ug/l | 10 | 0.2 | 1 | " | " | " | " | " | |
| 87-68-3 | Hexachlorobutadiene | < 5 | | ug/l | 5 | 0.7 | 1 | " | " | " | " | " | |
| 98-82-8 | Isopropylbenzene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 179601-23-1 | m+p-Xylene | < 5 | | ug/l | 5 | 1 | 1 | " | " | " | " | " | |
| 1634-04-4 | Methyl Tertiary Butyl Ether | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 75-09-2 | Methylene Chloride | < 1 | | ug/l | 1 | 0.3 | 1 | " | " | " | " | " | |
| 104-51-8 | n-Butylbenzene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 103-65-1 | n-Propylbenzene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 91-20-3 | Naphthalene | < 5 | | ug/l | 5 | 1 | 1 | " | " | " | " | " | |

| Sample Identification | Client Project # | Matrix | Collection Date/Time | Received |
|---|---|---|---|---|
| **INF 120718** | 60276639-1 | Ground Water | 07-Dec-18 12:11 | 10-Dec-18 |
| SC52491-02 | | | | |

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Subcontracted Analyses** | | | | | | | | | | | | | |
| Subcontracted Analyses | | | | | | | | | | | | | |
| *Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670* | | | | | | | | | | | | | |
| 95-47-6 | o-Xylene | < 1 | | ug/l | 1 | 0.4 | 1 | SW-846 8260C | 19-Dec-18 23:40 | 19-Dec-18 23:41 | 10670 | 183533A/ | |
| 99-87-6 | p-Isopropyltoluene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 135-98-8 | sec-Butylbenzene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 100-42-5 | Styrene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 994-05-8 | t-Amyl methyl ether | < 5 | | ug/l | 5 | 0.8 | 1 | " | " | " | " | " | |
| 75-65-0 | t-Butyl alcohol | < 50 | | ug/l | 50 | 12 | 1 | " | " | " | " | " | |
| 98-06-6 | tert-Butylbenzene | < 5 | | ug/l | 5 | 0.3 | 1 | " | " | " | " | " | |
| 127-18-4 | Tetrachloroethene | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 109-99-9 | Tetrahydrofuran | < 10 | | ug/l | 10 | 0.7 | 1 | " | " | " | " | " | |
| 108-88-3 | Toluene | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 156-60-5 | trans-1,2-Dichloroethene | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 10061-02-6 | trans-1,3-Dichloropropene | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 110-57-6 | trans-1,4-Dichloro-2-buten e | < 50 | | ug/l | 50 | 6 | 1 | " | " | " | " | " | |
| 79-01-6 | Trichloroethene | **150** | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 75-69-4 | Trichlorofluoromethane | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 75-01-4 | Vinyl Chloride | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| *Surrogate recoveries:* | | | | | | | | | | | | | |
| *17060-07-0* | *1,2-Dichloroethane-d4* | *102* | | | *80-120 %* | | | " | " | " | " | " | |
| *460-00-4* | *4-Bromofluorobenzene* | *101* | | | *80-120 %* | | | " | " | " | " | " | |
| *1868-53-7* | *Dibromofluoromethane* | *105* | | | *80-120 %* | | | " | " | " | " | " | |
| *2037-26-5* | *Toluene-d8* | *101* | | | *80-120 %* | | | " | " | " | " | " | |

**Subcontracted Analyses**

Subcontracted Analyses
Prepared by method SW-846 5030C

*Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670*

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 1 | | ug/l | 1 | 0.2 | 1 | SW-846 8260C | 20-Dec-18 00:02 | 20-Dec-18 00:03 | 10670 | 183533A/ | |
| 71-55-6 | 1,1,1-Trichloroethane | 0.7 | J. | ug/l | 1 | 0.3 | 1 | " | " | " | " | " | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 79-00-5 | 1,1,2-Trichloroethane | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 75-34-3 | 1,1-Dichloroethane | 21 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 75-35-4 | 1,1-Dichloroethene | 8 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 563-58-6 | 1,1-Dichloropropene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 5 | | ug/l | 5 | 0.4 | 1 | " | " | " | " | " | |
| 96-18-4 | 1,2,3-Trichloropropane | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 5 | | ug/l | 5 | 0.3 | 1 | " | " | " | " | " | |
| 95-63-6 | 1,2,4-Trimethylbenzene | < 5 | | ug/l | 5 | 1 | 1 | " | " | " | " | " | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | < 5 | | ug/l | 5 | 0.3 | 1 | " | " | " | " | " | |
| 106-93-4 | 1,2-Dibromoethane | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 95-50-1 | 1,2-Dichlorobenzene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 107-06-2 | 1,2-Dichloroethane | < 1 | | ug/l | 1 | 0.3 | 1 | " | " | " | " | " | |
| 78-87-5 | 1,2-Dichloropropane | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 5 | | ug/l | 5 | 0.3 | 1 | " | " | " | " | " | |
| 541-73-1 | 1,3-Dichlorobenzene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 142-28-9 | 1,3-Dichloropropane | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 106-46-7 | 1,4-Dichlorobenzene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 123-91-1 | 1,4-Dioxane | < 250 | | ug/l | 250 | 29 | 1 | " | " | " | " | " | |
| 594-20-7 | 2,2-Dichloropropane | < 1 | | ug/l | 1 | 0.3 | 1 | " | " | " | " | " | |
| 78-93-3 | 2-Butanone | < 10 | | ug/l | 10 | 0.3 | 1 | " | " | " | " | " | |
| 95-49-8 | 2-Chlorotoluene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 591-78-6 | 2-Hexanone | < 10 | | ug/l | 10 | 0.3 | 1 | " | " | " | " | " | |
| 106-43-4 | 4-Chlorotoluene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 108-10-1 | 4-Methyl-2-pentanone | < 10 | | ug/l | 10 | 0.5 | 1 | " | " | " | " | " | |
| 67-64-1 | Acetone | 1 | J. | ug/l | 20 | 0.7 | 1 | " | " | " | " | " | |
| 107-13-1 | Acrylonitrile | < 20 | | ug/l | 20 | 0.3 | 1 | " | " | " | " | " | |
| 71-43-2 | Benzene | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 108-86-1 | Bromobenzene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 74-97-5 | Bromochloromethane | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 75-27-4 | Bromodichloromethane | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 75-25-2 | Bromoform | < 4 | | ug/l | 4 | 0.2 | 1 | " | " | " | " | " | |
| 74-83-9 | Bromomethane | < 1 | | ug/l | 1 | 0.3 | 1 | " | " | " | " | " | |
| 75-15-0 | Carbon Disulfide | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 56-23-5 | Carbon Tetrachloride | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 108-90-7 | Chlorobenzene | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 75-00-3 | Chloroethane | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 67-66-3 | Chloroform | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 74-87-3 | Chloromethane | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |

| Sample Identification | Client Project # | Matrix | Collection Date/Time | Received |
|---|---|---|---|---|
| **TW-1 120718** | 60276639-1 | Ground Water | 07-Dec-18 12:05 | 10-Dec-18 |
| SC52491-03 | | | | |

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Subcontracted Analyses** | | | | | | | | | | | | | |
| Subcontracted Analyses | | | | | | | | | | | | | |
| *Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670* | | | | | | | | | | | | | |
| 156-59-2 | cis-1,2-Dichloroethene | 3 | | ug/l | 1 | 0.2 | 1 | SW-846 8260C | 20-Dec-18 00:02 | 20-Dec-18 00:03 | 10670 | 183533A/ | |
| 10061-01-5 | cis-1,3-Dichloropropene | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 108-20-3 | di-Isopropyl ether | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 124-48-1 | Dibromochloromethane | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 74-95-3 | Dibromomethane | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 75-71-8 | Dichlorodifluoromethane | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 64-17-5 | Ethanol | < 750 | | ug/l | 750 | 280 | 1 | " | " | " | " | " | |
| 60-29-7 | Ethyl ether | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 637-92-3 | Ethyl t-butyl ether | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 100-41-4 | Ethylbenzene | < 1 | | ug/l | 1 | 0.4 | 1 | " | " | " | " | " | |
| 76-13-1 | Freon 113 | < 10 | | ug/l | 10 | 0.2 | 1 | " | " | " | " | " | |
| 87-68-3 | Hexachlorobutadiene | < 5 | | ug/l | 5 | 0.7 | 1 | " | " | " | " | " | |
| 98-82-8 | Isopropylbenzene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 179601-23-1 | m+p-Xylene | < 5 | | ug/l | 5 | 1 | 1 | " | " | " | " | " | |
| 1634-04-4 | Methyl Tertiary Butyl Ether | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 75-09-2 | Methylene Chloride | < 1 | | ug/l | 1 | 0.3 | 1 | " | " | " | " | " | |
| 104-51-8 | n-Butylbenzene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 103-65-1 | n-Propylbenzene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 91-20-3 | Naphthalene | < 5 | | ug/l | 5 | 1 | 1 | " | " | " | " | " | |
| 95-47-6 | o-Xylene | < 1 | | ug/l | 1 | 0.4 | 1 | " | " | " | " | " | |
| 99-87-6 | p-Isopropyltoluene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 135-98-8 | sec-Butylbenzene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 100-42-5 | Styrene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 994-05-8 | t-Amyl methyl ether | < 5 | | ug/l | 5 | 0.8 | 1 | " | " | " | " | " | |
| 75-65-0 | t-Butyl alcohol | < 50 | | ug/l | 50 | 12 | 1 | " | " | " | " | " | |
| 98-06-6 | tert-Butylbenzene | < 5 | | ug/l | 5 | 0.3 | 1 | " | " | " | " | " | |
| 127-18-4 | Tetrachloroethene | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 109-99-9 | Tetrahydrofuran | < 10 | | ug/l | 10 | 0.7 | 1 | " | " | " | " | " | |
| 108-88-3 | Toluene | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 156-60-5 | trans-1,2-Dichloroethene | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 10061-02-6 | trans-1,3-Dichloropropene | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 110-57-6 | trans-1,4-Dichloro-2-butene | < 50 | | ug/l | 50 | 6 | 1 | " | " | " | " | " | |
| 79-01-6 | Trichloroethene | 38 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 75-69-4 | Trichlorofluoromethane | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 75-01-4 | Vinyl Chloride | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| *Surrogate recoveries:* | | | | | | | | | | | | | |
| *17060-07-0* | *1,2-Dichloroethane-d4* | *99* | | | *80-120 %* | | | " | " | " | " | " | |
| *460-00-4* | *4-Bromofluorobenzene* | *96* | | | *80-120 %* | | | " | " | " | " | " | |
| *1868-53-7* | *Dibromofluoromethane* | *100* | | | *80-120 %* | | | " | " | " | " | " | |
| *2037-26-5* | *Toluene-d8* | *100* | | | *80-120 %* | | | " | " | " | " | " | |

**Subcontracted Analyses**

Subcontracted Analyses
Prepared by method SW-846 5030C

*Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670*

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 1 | | ug/l | 1 | 0.2 | 1 | SW-846 8260C | 20-Dec-18 00:46 | 20-Dec-18 00:47 | 10670 | 183533A/ | |
| 71-55-6 | 1,1,1-Trichloroethane | **590** | | ug/l | 10 | 3 | 10 | " | " | " | " | " | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 79-00-5 | 1,1,2-Trichloroethane | **0.2** | J. | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 75-34-3 | 1,1-Dichloroethane | **82** | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 75-35-4 | 1,1-Dichloroethene | **10** | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 563-58-6 | 1,1-Dichloropropene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 5 | | ug/l | 5 | 0.4 | 1 | " | " | " | " | " | |
| 96-18-4 | 1,2,3-Trichloropropane | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 5 | | ug/l | 5 | 0.3 | 1 | " | " | " | " | " | |
| 95-63-6 | 1,2,4-Trimethylbenzene | < 5 | | ug/l | 5 | 1 | 1 | " | " | " | " | " | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | < 5 | | ug/l | 5 | 0.3 | 1 | " | " | " | " | " | |
| 106-93-4 | 1,2-Dibromoethane | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 95-50-1 | 1,2-Dichlorobenzene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 107-06-2 | 1,2-Dichloroethane | **0.4** | J. | ug/l | 1 | 0.3 | 1 | " | " | " | " | " | |
| 78-87-5 | 1,2-Dichloropropane | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 5 | | ug/l | 5 | 0.3 | 1 | " | " | " | " | " | |
| 541-73-1 | 1,3-Dichlorobenzene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 142-28-9 | 1,3-Dichloropropane | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 106-46-7 | 1,4-Dichlorobenzene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 123-91-1 | 1,4-Dioxane | < 250 | | ug/l | 250 | 29 | 1 | " | " | " | " | " | |
| 594-20-7 | 2,2-Dichloropropane | < 1 | | ug/l | 1 | 0.3 | 1 | " | " | " | " | " | |
| 78-93-3 | 2-Butanone | < 10 | | ug/l | 10 | 0.3 | 1 | " | " | " | " | " | |
| 95-49-8 | 2-Chlorotoluene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 591-78-6 | 2-Hexanone | < 10 | | ug/l | 10 | 0.3 | 1 | " | " | " | " | " | |
| 106-43-4 | 4-Chlorotoluene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 108-10-1 | 4-Methyl-2-pentanone | < 10 | | ug/l | 10 | 0.5 | 1 | " | " | " | " | " | |
| 67-64-1 | Acetone | < 20 | | ug/l | 20 | 0.7 | 1 | " | " | " | " | " | |
| 107-13-1 | Acrylonitrile | < 20 | | ug/l | 20 | 0.3 | 1 | " | " | " | " | " | |
| 71-43-2 | Benzene | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 108-86-1 | Bromobenzene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 74-97-5 | Bromochloromethane | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 75-27-4 | Bromodichloromethane | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 75-25-2 | Bromoform | < 4 | | ug/l | 4 | 0.2 | 1 | " | " | " | " | " | |
| 74-83-9 | Bromomethane | < 1 | | ug/l | 1 | 0.3 | 1 | " | " | " | " | " | |
| 75-15-0 | Carbon Disulfide | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 56-23-5 | Carbon Tetrachloride | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 108-90-7 | Chlorobenzene | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 75-00-3 | Chloroethane | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 67-66-3 | Chloroform | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 74-87-3 | Chloromethane | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |

| Sample Identification | Client Project # | Matrix | Collection Date/Time | Received |
|---|---|---|---|---|
| **TW-2A 120718** | 60276639-1 | Ground Water | 07-Dec-18 12:22 | 10-Dec-18 |
| SC52491-04 | | | | |

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Subcontracted Analyses** | | | | | | | | | | | | | |
| Subcontracted Analyses | | | | | | | | | | | | | |
| *Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670* | | | | | | | | | | | | | |
| 156-59-2 | cis-1,2-Dichloroethene | **12** | | ug/l | 1 | 0.2 | 1 | SW-846 8260C | 20-Dec-18 00:46 | 20-Dec-18 00:47 | 10670 | 183533A/ | |
| 10061-01-5 | cis-1,3-Dichloropropene | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 108-20-3 | di-Isopropyl ether | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 124-48-1 | Dibromochloromethane | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 74-95-3 | Dibromomethane | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 75-71-8 | Dichlorodifluoromethane | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 64-17-5 | Ethanol | < 750 | | ug/l | 750 | 280 | 1 | " | " | " | " | " | |
| 60-29-7 | Ethyl ether | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 637-92-3 | Ethyl t-butyl ether | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 100-41-4 | Ethylbenzene | < 1 | | ug/l | 1 | 0.4 | 1 | " | " | " | " | " | |
| 76-13-1 | Freon 113 | < 10 | | ug/l | 10 | 0.2 | 1 | " | " | " | " | " | |
| 87-68-3 | Hexachlorobutadiene | < 5 | | ug/l | 5 | 0.7 | 1 | " | " | " | " | " | |
| 98-82-8 | Isopropylbenzene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 179601-23-1 | m+p-Xylene | < 5 | | ug/l | 5 | 1 | 1 | " | " | " | " | " | |
| 1634-04-4 | Methyl Tertiary Butyl Ether | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 75-09-2 | Methylene Chloride | < 1 | | ug/l | 1 | 0.3 | 1 | " | " | " | " | " | |
| 104-51-8 | n-Butylbenzene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 103-65-1 | n-Propylbenzene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 91-20-3 | Naphthalene | < 5 | | ug/l | 5 | 1 | 1 | " | " | " | " | " | |
| 95-47-6 | o-Xylene | < 1 | | ug/l | 1 | 0.4 | 1 | " | " | " | " | " | |
| 99-87-6 | p-Isopropyltoluene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 135-98-8 | sec-Butylbenzene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 100-42-5 | Styrene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 994-05-8 | t-Amyl methyl ether | < 5 | | ug/l | 5 | 0.8 | 1 | " | " | " | " | " | |
| 75-65-0 | t-Butyl alcohol | < 50 | | ug/l | 50 | 12 | 1 | " | " | " | " | " | |
| 98-06-6 | tert-Butylbenzene | < 5 | | ug/l | 5 | 0.3 | 1 | " | " | " | " | " | |
| 127-18-4 | Tetrachloroethene | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 109-99-9 | Tetrahydrofuran | < 10 | | ug/l | 10 | 0.7 | 1 | " | " | " | " | " | |
| 108-88-3 | Toluene | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 156-60-5 | trans-1,2-Dichloroethene | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 10061-02-6 | trans-1,3-Dichloropropene | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 110-57-6 | trans-1,4-Dichloro-2-butene | < 50 | | ug/l | 50 | 6 | 1 | " | " | " | " | " | |
| 79-01-6 | Trichloroethene | **270** | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 75-69-4 | Trichlorofluoromethane | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 75-01-4 | Vinyl Chloride | **0.4** | J. | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| *Surrogate recoveries:* | | | | | | | | | | | | | |
| *17060-07-0* | *1,2-Dichloroethane-d4* | *101* | | | *80-120 %* | | | " | " | " | " | " | |
| *460-00-4* | *4-Bromofluorobenzene* | *96* | | | *80-120 %* | | | " | " | " | " | " | |
| *1868-53-7* | *Dibromofluoromethane* | *107* | | | *80-120 %* | | | " | " | " | " | " | |
| *2037-26-5* | *Toluene-d8* | *100* | | | *80-120 %* | | | " | " | " | " | " | |

| Sample Identification | Client Project # | Matrix | Collection Date/Time | Received |
|---|---|---|---|---|
| **TW-3 120718**<br>SC52491-05 | 60276639-1 | Ground Water | 07-Dec-18 12:15 | 10-Dec-18 |

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Subcontracted Analyses** | | | | | | | | | | | | | |
| Subcontracted Analyses<br>Prepared by method SW-846 5030C | | | | | | | | | | | | | |
| *Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670* | | | | | | | | | | | | | |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 1 | | ug/l | 1 | 0.2 | 1 | SW-846 8260C | 20-Dec-18 00:24 | 20-Dec-18 00:25 | 10670 | 183533A/ | |
| 71-55-6 | 1,1,1-Trichloroethane | 7 | | ug/l | 1 | 0.3 | 1 | " | " | " | " | " | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 79-00-5 | 1,1,2-Trichloroethane | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 75-34-3 | 1,1-Dichloroethane | 5 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 75-35-4 | 1,1-Dichloroethene | 1 | J. | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 563-58-6 | 1,1-Dichloropropene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 5 | | ug/l | 5 | 0.4 | 1 | " | " | " | " | " | |
| 96-18-4 | 1,2,3-Trichloropropane | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 5 | | ug/l | 5 | 0.3 | 1 | " | " | " | " | " | |
| 95-63-6 | 1,2,4-Trimethylbenzene | < 5 | | ug/l | 5 | 1 | 1 | " | " | " | " | " | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | < 5 | | ug/l | 5 | 0.3 | 1 | " | " | " | " | " | |
| 106-93-4 | 1,2-Dibromoethane | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 95-50-1 | 1,2-Dichlorobenzene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 107-06-2 | 1,2-Dichloroethane | < 1 | | ug/l | 1 | 0.3 | 1 | " | " | " | " | " | |
| 78-87-5 | 1,2-Dichloropropane | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 5 | | ug/l | 5 | 0.3 | 1 | " | " | " | " | " | |
| 541-73-1 | 1,3-Dichlorobenzene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 142-28-9 | 1,3-Dichloropropane | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 106-46-7 | 1,4-Dichlorobenzene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 123-91-1 | 1,4-Dioxane | < 250 | | ug/l | 250 | 29 | 1 | " | " | " | " | " | |
| 594-20-7 | 2,2-Dichloropropane | < 1 | | ug/l | 1 | 0.3 | 1 | " | " | " | " | " | |
| 78-93-3 | 2-Butanone | < 10 | | ug/l | 10 | 0.3 | 1 | " | " | " | " | " | |
| 95-49-8 | 2-Chlorotoluene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 591-78-6 | 2-Hexanone | < 10 | | ug/l | 10 | 0.3 | 1 | " | " | " | " | " | |
| 106-43-4 | 4-Chlorotoluene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 108-10-1 | 4-Methyl-2-pentanone | < 10 | | ug/l | 10 | 0.5 | 1 | " | " | " | " | " | |
| 67-64-1 | Acetone | < 20 | | ug/l | 20 | 0.7 | 1 | " | " | " | " | " | |
| 107-13-1 | Acrylonitrile | < 20 | | ug/l | 20 | 0.3 | 1 | " | " | " | " | " | |
| 71-43-2 | Benzene | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 108-86-1 | Bromobenzene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 74-97-5 | Bromochloromethane | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 75-27-4 | Bromodichloromethane | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 75-25-2 | Bromoform | < 4 | | ug/l | 4 | 0.2 | 1 | " | " | " | " | " | |
| 74-83-9 | Bromomethane | < 1 | | ug/l | 1 | 0.3 | 1 | " | " | " | " | " | |
| 75-15-0 | Carbon Disulfide | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 56-23-5 | Carbon Tetrachloride | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 108-90-7 | Chlorobenzene | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 75-00-3 | Chloroethane | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 67-66-3 | Chloroform | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 74-87-3 | Chloromethane | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |

| Sample Identification | Client Project # | Matrix | Collection Date/Time | Received |
|---|---|---|---|---|
| **TW-3 120718** | 60276639-1 | Ground Water | 07-Dec-18 12:15 | 10-Dec-18 |
| SC52491-05 | | | | |

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Subcontracted Analyses** | | | | | | | | | | | | | |
| Subcontracted Analyses | | | | | | | | | | | | | |
| *Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670* | | | | | | | | | | | | | |
| 156-59-2 | cis-1,2-Dichloroethene | **0.5** | J. | ug/l | 1 | 0.2 | 1 | SW-846 8260C | 20-Dec-18 00:24 | 20-Dec-18 00:25 | 10670 | 183533A/ | |
| 10061-01-5 | cis-1,3-Dichloropropene | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 108-20-3 | di-Isopropyl ether | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 124-48-1 | Dibromochloromethane | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 74-95-3 | Dibromomethane | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 75-71-8 | Dichlorodifluoromethane | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 64-17-5 | Ethanol | < 750 | | ug/l | 750 | 280 | 1 | " | " | " | " | " | |
| 60-29-7 | Ethyl ether | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 637-92-3 | Ethyl t-butyl ether | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 100-41-4 | Ethylbenzene | < 1 | | ug/l | 1 | 0.4 | 1 | " | " | " | " | " | |
| 76-13-1 | Freon 113 | < 10 | | ug/l | 10 | 0.2 | 1 | " | " | " | " | " | |
| 87-68-3 | Hexachlorobutadiene | < 5 | | ug/l | 5 | 0.7 | 1 | " | " | " | " | " | |
| 98-82-8 | Isopropylbenzene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 179601-23-1 | m+p-Xylene | < 5 | | ug/l | 5 | 1 | 1 | " | " | " | " | " | |
| 1634-04-4 | Methyl Tertiary Butyl Ether | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 75-09-2 | Methylene Chloride | < 1 | | ug/l | 1 | 0.3 | 1 | " | " | " | " | " | |
| 104-51-8 | n-Butylbenzene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 103-65-1 | n-Propylbenzene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 91-20-3 | Naphthalene | < 5 | | ug/l | 5 | 1 | 1 | " | " | " | " | " | |
| 95-47-6 | o-Xylene | < 1 | | ug/l | 1 | 0.4 | 1 | " | " | " | " | " | |
| 99-87-6 | p-Isopropyltoluene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 135-98-8 | sec-Butylbenzene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 100-42-5 | Styrene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 994-05-8 | t-Amyl methyl ether | < 5 | | ug/l | 5 | 0.8 | 1 | " | " | " | " | " | |
| 75-65-0 | t-Butyl alcohol | < 50 | | ug/l | 50 | 12 | 1 | " | " | " | " | " | |
| 98-06-6 | tert-Butylbenzene | < 5 | | ug/l | 5 | 0.3 | 1 | " | " | " | " | " | |
| 127-18-4 | Tetrachloroethene | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 109-99-9 | Tetrahydrofuran | < 10 | | ug/l | 10 | 0.7 | 1 | " | " | " | " | " | |
| 108-88-3 | Toluene | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 156-60-5 | trans-1,2-Dichloroethene | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 10061-02-6 | trans-1,3-Dichloropropene | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 110-57-6 | trans-1,4-Dichloro-2-butene | < 50 | | ug/l | 50 | 6 | 1 | " | " | " | " | " | |
| 79-01-6 | Trichloroethene | **14** | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 75-69-4 | Trichlorofluoromethane | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 75-01-4 | Vinyl Chloride | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| *Surrogate recoveries:* | | | | | | | | | | | | | |
| *17060-07-0* | *1,2-Dichloroethane-d4* | *100* | | | *80-120 %* | | | " | " | " | " | " | |
| *460-00-4* | *4-Bromofluorobenzene* | *99* | | | *80-120 %* | | | " | " | " | " | " | |
| *1868-53-7* | *Dibromofluoromethane* | *100* | | | *80-120 %* | | | " | " | " | " | " | |
| *2037-26-5* | *Toluene-d8* | *96* | | | *80-120 %* | | | " | " | " | " | " | |

| Sample Identification | Client Project # | Matrix | Collection Date/Time | Received |
|---|---|---|---|---|
| **TB 120718** | 60276639-1 | Trip Blank | 07-Dec-18 00:00 | 10-Dec-18 |
| SC52491-06 | | | | |

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Subcontracted Analyses** | | | | | | | | | | | | | |
| Subcontracted Analyses<br>Prepared by method SW-846 5030C | | | | | | | | | | | | | |
| *Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670* | | | | | | | | | | | | | |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 1 | | ug/l | 1 | 0.2 | 1 | SW-846 8260C | 19-Dec-18 22:57 | 19-Dec-18 22:58 | 10670 | 183533A/ | |
| 71-55-6 | 1,1,1-Trichloroethane | < 1 | | ug/l | 1 | 0.3 | 1 | " | " | " | " | " | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 79-00-5 | 1,1,2-Trichloroethane | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 75-34-3 | 1,1-Dichloroethane | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 75-35-4 | 1,1-Dichloroethene | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 563-58-6 | 1,1-Dichloropropene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 5 | | ug/l | 5 | 0.4 | 1 | " | " | " | " | " | |
| 96-18-4 | 1,2,3-Trichloropropane | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 5 | | ug/l | 5 | 0.3 | 1 | " | " | " | " | " | |
| 95-63-6 | 1,2,4-Trimethylbenzene | < 5 | | ug/l | 5 | 1 | 1 | " | " | " | " | " | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | < 5 | | ug/l | 5 | 0.3 | 1 | " | " | " | " | " | |
| 106-93-4 | 1,2-Dibromoethane | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 95-50-1 | 1,2-Dichlorobenzene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 107-06-2 | 1,2-Dichloroethane | < 1 | | ug/l | 1 | 0.3 | 1 | " | " | " | " | " | |
| 78-87-5 | 1,2-Dichloropropane | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 5 | | ug/l | 5 | 0.3 | 1 | " | " | " | " | " | |
| 541-73-1 | 1,3-Dichlorobenzene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 142-28-9 | 1,3-Dichloropropane | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 106-46-7 | 1,4-Dichlorobenzene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 123-91-1 | 1,4-Dioxane | < 250 | | ug/l | 250 | 29 | 1 | " | " | " | " | " | |
| 594-20-7 | 2,2-Dichloropropane | < 1 | | ug/l | 1 | 0.3 | 1 | " | " | " | " | " | |
| 78-93-3 | 2-Butanone | < 10 | | ug/l | 10 | 0.3 | 1 | " | " | " | " | " | |
| 95-49-8 | 2-Chlorotoluene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 591-78-6 | 2-Hexanone | < 10 | | ug/l | 10 | 0.3 | 1 | " | " | " | " | " | |
| 106-43-4 | 4-Chlorotoluene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 108-10-1 | 4-Methyl-2-pentanone | < 10 | | ug/l | 10 | 0.5 | 1 | " | " | " | " | " | |
| 67-64-1 | Acetone | < 20 | | ug/l | 20 | 0.7 | 1 | " | " | " | " | " | |
| 107-13-1 | Acrylonitrile | < 20 | | ug/l | 20 | 0.3 | 1 | " | " | " | " | " | |
| 71-43-2 | Benzene | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 108-86-1 | Bromobenzene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 74-97-5 | Bromochloromethane | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 75-27-4 | Bromodichloromethane | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 75-25-2 | Bromoform | < 4 | | ug/l | 4 | 0.2 | 1 | " | " | " | " | " | |
| 74-83-9 | Bromomethane | < 1 | | ug/l | 1 | 0.3 | 1 | " | " | " | " | " | |
| 75-15-0 | Carbon Disulfide | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 56-23-5 | Carbon Tetrachloride | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 108-90-7 | Chlorobenzene | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 75-00-3 | Chloroethane | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 67-66-3 | Chloroform | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 74-87-3 | Chloromethane | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |

| Sample Identification | Client Project # | Matrix | Collection Date/Time | Received |
|---|---|---|---|---|
| **TB 120718** | 60276639-1 | Trip Blank | 07-Dec-18 00:00 | 10-Dec-18 |
| SC52491-06 | | | | |

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Subcontracted Analyses** | | | | | | | | | | | | | |
| Subcontracted Analyses | | | | | | | | | | | | | |
| *Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670* | | | | | | | | | | | | | |
| 156-59-2 | cis-1,2-Dichloroethene | < 1 | | ug/l | 1 | 0.2 | 1 | SW-846 8260C | 19-Dec-18 22:57 | 19-Dec-18 22:58 | 10670 | 183533A/ | |
| 10061-01-5 | cis-1,3-Dichloropropene | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 108-20-3 | di-Isopropyl ether | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 124-48-1 | Dibromochloromethane | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 74-95-3 | Dibromomethane | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 75-71-8 | Dichlorodifluoromethane | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 64-17-5 | Ethanol | < 750 | | ug/l | 750 | 280 | 1 | " | " | " | " | " | |
| 60-29-7 | Ethyl ether | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 637-92-3 | Ethyl t-butyl ether | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 100-41-4 | Ethylbenzene | < 1 | | ug/l | 1 | 0.4 | 1 | " | " | " | " | " | |
| 76-13-1 | Freon 113 | < 10 | | ug/l | 10 | 0.2 | 1 | " | " | " | " | " | |
| 87-68-3 | Hexachlorobutadiene | < 5 | | ug/l | 5 | 0.7 | 1 | " | " | " | " | " | |
| 98-82-8 | Isopropylbenzene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 179601-23-1 | m+p-Xylene | < 5 | | ug/l | 5 | 1 | 1 | " | " | " | " | " | |
| 1634-04-4 | Methyl Tertiary Butyl Ether | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 75-09-2 | Methylene Chloride | < 1 | | ug/l | 1 | 0.3 | 1 | " | " | " | " | " | |
| 104-51-8 | n-Butylbenzene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 103-65-1 | n-Propylbenzene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 91-20-3 | Naphthalene | < 5 | | ug/l | 5 | 1 | 1 | " | " | " | " | " | |
| 95-47-6 | o-Xylene | < 1 | | ug/l | 1 | 0.4 | 1 | " | " | " | " | " | |
| 99-87-6 | p-Isopropyltoluene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 135-98-8 | sec-Butylbenzene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 100-42-5 | Styrene | < 5 | | ug/l | 5 | 0.2 | 1 | " | " | " | " | " | |
| 994-05-8 | t-Amyl methyl ether | < 5 | | ug/l | 5 | 0.8 | 1 | " | " | " | " | " | |
| 75-65-0 | t-Butyl alcohol | < 50 | | ug/l | 50 | 12 | 1 | " | " | " | " | " | |
| 98-06-6 | tert-Butylbenzene | < 5 | | ug/l | 5 | 0.3 | 1 | " | " | " | " | " | |
| 127-18-4 | Tetrachloroethene | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 109-99-9 | Tetrahydrofuran | < 10 | | ug/l | 10 | 0.7 | 1 | " | " | " | " | " | |
| 108-88-3 | Toluene | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 156-60-5 | trans-1,2-Dichloroethene | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 10061-02-6 | trans-1,3-Dichloropropene | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 110-57-6 | trans-1,4-Dichloro-2-butene | < 50 | | ug/l | 50 | 6 | 1 | " | " | " | " | " | |
| 79-01-6 | Trichloroethene | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 75-69-4 | Trichlorofluoromethane | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| 75-01-4 | Vinyl Chloride | < 1 | | ug/l | 1 | 0.2 | 1 | " | " | " | " | " | |
| *Surrogate recoveries:* | | | | | | | | | | | | | |
| *17060-07-0* | *1,2-Dichloroethane-d4* | *100* | | | *80-120 %* | | | " | " | " | " | " | |
| *460-00-4* | *4-Bromofluorobenzene* | *98* | | | *80-120 %* | | | " | " | " | " | " | |
| *1868-53-7* | *Dibromofluoromethane* | *100* | | | *80-120 %* | | | " | " | " | " | " | |
| *2037-26-5* | *Toluene-d8* | *100* | | | *80-120 %* | | | " | " | " | " | " | |

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| **EPA 1664B** | | | | | | | | | | |
| **Batch 1816079 - General Preparation SVOC** | | | | | | | | | | |
| **Blank (1816079-BLK1)** | | | | | | Prepared & Analyzed: 14-Dec-18 | | | | |
| Oil & Grease | < 1.02 | U | mg/l | 1.02 | | | | | | |
| **LCS (1816079-BS1)** | | | | | | Prepared & Analyzed: 14-Dec-18 | | | | |
| Oil & Grease | **33.8** | | mg/l | 1.03 | 41.2 | | 82 | 78-114 | | |
| **LCS Dup (1816079-BSD1)** | | | | | | Prepared & Analyzed: 14-Dec-18 | | | | |
| Oil & Grease | **32.8** | | mg/l | 1.03 | 41.2 | | 80 | 78-114 | 3 | 11 |

## General Chemistry Parameters - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| **SM18-22 2540C** | | | | | | | | | | |
| **Batch 1815996 - General Preparation** | | | | | | | | | | |
| **Blank (1815996-BLK1)** | | | | | | Prepared: 11-Dec-18 Analyzed: 12-Dec-18 | | | | |
| Total Dissolved Solids | < 5 | U | mg/l | 5 | | | | | | |
| **LCS (1815996-BS1)** | | | | | | Prepared: 11-Dec-18 Analyzed: 12-Dec-18 | | | | |
| Total Dissolved Solids | **1040** | | mg/l | 10 | 1000 | | 104 | 90-110 | | |
| **SM2540D (11)** | | | | | | | | | | |
| **Batch 1815998 - General Preparation** | | | | | | | | | | |
| **Blank (1815998-BLK1)** | | | | | | Prepared: 11-Dec-18 Analyzed: 12-Dec-18 | | | | |
| Total Suspended Solids | < 0.5 | U | mg/l | 0.5 | | | | | | |
| **LCS (1815998-BS1)** | | | | | | Prepared: 11-Dec-18 Analyzed: 12-Dec-18 | | | | |
| Total Suspended Solids | **102** | | mg/l | 10.0 | 100 | | 102 | 90-110 | | |

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| **EPA 335.4** | | | | | | | | | | |
| **Batch 18348102101B - METHOD** | | | | | | | | | | |
| **Blank (P34802AB348102101B)** | | | | | | Prepared: 14-Dec-18 Analyzed: 15-Dec-18 | | | | |
| Total Cyanide (water) | < 0.010 | | mg/l | 0.010 | | | | - | | |
| **LCS (P34802AQ348102101B)** | | | | | | Prepared: 14-Dec-18 Analyzed: 15-Dec-18 | | | | |
| Total Cyanide (water) | **0.21** | | mg/l | 0.010 | 0.20 | | 105 | 90-110 | | |
| **SW-846 6010C** | | | | | | | | | | |
| **Batch 183511404401 - SW-846 3005A** | | | | | | | | | | |
| **Blank (P35104AB351404401)** | | | | | | Prepared & Analyzed: 20-Dec-18 | | | | |
| Arsenic | < 0.0500 | | mg/l | 0.0500 | | | | - | | |
| Zinc | < 0.0200 | | mg/l | 0.0200 | | | | - | | |
| Nickel | < 0.0100 | | mg/l | 0.0100 | | | | - | | |
| Manganese | < 0.0200 | | mg/l | 0.0200 | | | | - | | |
| Iron | **0.0405** | J. | mg/l | 0.200 | | | | - | | |
| Copper | < 0.0200 | | mg/l | 0.0200 | | | | - | | |
| Barium | < 0.0050 | | mg/l | 0.0050 | | | | - | | |
| Aluminum | < 0.300 | | mg/l | 0.300 | | | | - | | |
| Chromium | < 0.0150 | | mg/l | 0.0150 | | | | - | | |
| **LCS (P35104AQ351404401)** | | | | | | Prepared & Analyzed: 20-Dec-18 | | | | |
| Manganese | **0.506** | | mg/l | 0.0200 | 0.500 | | 101 | 90-112 | | |
| Iron | **1.03** | | mg/l | 0.200 | 1.00 | | 103 | 85-115 | | |
| Zinc | **0.505** | | mg/l | 0.0200 | 0.500 | | 101 | 89-111 | | |
| Arsenic | **0.156** | | mg/l | 0.0500 | 0.150 | | 104 | 80-120 | | |
| Nickel | **0.517** | | mg/l | 0.0100 | 0.500 | | 103 | 90-114 | | |
| Aluminum | **1.94** | | mg/l | 0.300 | 2.00 | | 97 | 80-120 | | |
| Copper | **0.263** | | mg/l | 0.0200 | 0.250 | | 105 | 90-115 | | |
| Chromium | **0.200** | | mg/l | 0.0150 | 0.200 | | 100 | 87-110 | | |
| Barium | **1.99** | | mg/l | 0.0050 | 2.00 | | 99 | 87-111 | | |
| **SW-846 7470A** | | | | | | | | | | |
| **Batch 183460571301 - METHOD** | | | | | | | | | | |
| **Blank (P34671AB346571301)** | | | | | | Prepared: 17-Dec-18 Analyzed: 18-Dec-18 | | | | |
| Mercury | < 0.00020 | | mg/l | 0.00020 | | | | - | | |
| **LCS (P34671AQ346571301)** | | | | | | Prepared: 17-Dec-18 Analyzed: 18-Dec-18 | | | | |
| Mercury | **0.00086** | | mg/l | 0.00020 | 0.0010 | | 86 | 80-114 | | |
| **Batch 183480571302 - METHOD** | | | | | | | | | | |
| **Blank (P34871BB348571302)** | | | | | | Prepared & Analyzed: 17-Dec-18 | | | | |
| Mercury | < 0.00020 | | mg/l | 0.00020 | | | | - | | |
| **LCS (P34871BQ348571302)** | | | | | | Prepared & Analyzed: 17-Dec-18 | | | | |
| Mercury | **0.00086** | | mg/l | 0.00020 | 0.0010 | | 86 | 80-114 | | |
| **SW-846 8260C** | | | | | | | | | | |
| **Batch L183533AA - SW-846 5030C** | | | | | | | | | | |
| **LCS (LCSL42QL183533AA)** | | | | | | Prepared & Analyzed: 19-Dec-18 | | | | |
| t-Butyl alcohol | **200** | | ug/l | 50 | 200 | | 101 | 60-130 | | |
| Ethyl ether | **22** | | ug/l | 5 | 20 | | 110 | 59-141 | | |
| di-Isopropyl ether | **19** | | ug/l | 1 | 20 | | 97 | 70-124 | | |
| Dichlorodifluoromethane | **15** | | ug/l | 1 | 20 | | 75 | 41-127 | | |
| Dibromomethane | **23** | | ug/l | 1 | 20 | | 113 | 80-120 | | |
| Dibromochloromethane | **22** | | ug/l | 1 | 20 | | 110 | 71-120 | | |
| cis-1,3-Dichloropropene | **22** | | ug/l | 1 | 20 | | 108 | 75-120 | | |
| cis-1,2-Dichloroethene | **23** | | ug/l | 1 | 20 | | 114 | 80-120 | | |
| Chloromethane | **17** | | ug/l | 1 | 20 | | 85 | 56-121 | | |

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| **SW-846 8260C** | | | | | | | | | | |
| **Batch L183533AA - SW-846 5030C** | | | | | | | | | | |
| **LCS (LCSL42QL183533AA)** | | | | | Prepared & Analyzed: 19-Dec-18 | | | | | |
| Chlorobenzene | **23** | | ug/l | 1 | 20 | | 114 | 80-120 | | |
| Chloroethane | **17** | | ug/l | 1 | 20 | | 83 | 55-123 | | |
| Ethyl t-butyl ether | **19** | | ug/l | 1 | 20 | | 95 | 68-121 | | |
| Carbon Tetrachloride | **22** | | ug/l | 1 | 20 | | 109 | 64-134 | | |
| Carbon Disulfide | **19** | | ug/l | 5 | 20 | | 97 | 65-128 | | |
| Chloroform | **23** | | ug/l | 1 | 20 | | 114 | 80-120 | | |
| n-Butylbenzene | **21** | | ug/l | 5 | 20 | | 106 | 76-120 | | |
| tert-Butylbenzene | **20** | | ug/l | 5 | 20 | | 99 | 78-120 | | |
| 1,3-Dichlorobenzene | **22** | | ug/l | 5 | 20 | | 111 | 80-120 | | |
| t-Amyl methyl ether | **20** | | ug/l | 5 | 20 | | 99 | 66-120 | | |
| Bromomethane | **15** | | ug/l | 1 | 20 | | 75 | 53-128 | | |
| sec-Butylbenzene | **22** | | ug/l | 5 | 20 | | 111 | 77-120 | | |
| p-Isopropyltoluene | **22** | | ug/l | 5 | 20 | | 111 | 76-120 | | |
| Styrene | **22** | | ug/l | 5 | 20 | | 112 | 80-120 | | |
| n-Propylbenzene | **22** | | ug/l | 5 | 20 | | 112 | 79-121 | | |
| Ethylbenzene | **22** | | ug/l | 1 | 20 | | 111 | 80-120 | | |
| Naphthalene | **20** | | ug/l | 5 | 20 | | 98 | 53-124 | | |
| Methylene Chloride | **21** | | ug/l | 1 | 20 | | 105 | 80-120 | | |
| Methyl Tertiary Butyl Ether | **19** | | ug/l | 1 | 20 | | 95 | 69-122 | | |
| m+p-Xylene | **45** | | ug/l | 5 | 40 | | 112 | 80-120 | | |
| Isopropylbenzene | **22** | | ug/l | 5 | 20 | | 112 | 80-120 | | |
| Hexachlorobutadiene | **20** | | ug/l | 5 | 20 | | 99 | 63-120 | | |
| Freon 113 | **23** | | ug/l | 10 | 20 | | 115 | 73-139 | | |
| o-Xylene | **22** | | ug/l | 1 | 20 | | 109 | 80-120 | | |
| 1,1-Dichloropropene | **22** | | ug/l | 5 | 20 | | 111 | 78-120 | | |
| 1,4-Dichlorobenzene | **22** | | ug/l | 5 | 20 | | 110 | 80-120 | | |
| 1,2-Dichlorobenzene | **22** | | ug/l | 5 | 20 | | 112 | 80-120 | | |
| 1,2-Dibromoethane | **23** | | ug/l | 1 | 20 | | 113 | 77-120 | | |
| 1,2-Dibromo-3-chloropropane | **21** | | ug/l | 5 | 20 | | 104 | 47-131 | | |
| 1,2,4-Trimethylbenzene | **22** | | ug/l | 5 | 20 | | 112 | 75-120 | | |
| 1,2,4-Trichlorobenzene | **21** | | ug/l | 5 | 20 | | 106 | 63-120 | | |
| 1,2-Dichloropropane | **22** | | ug/l | 1 | 20 | | 108 | 80-120 | | |
| 1,2,3-Trichlorobenzene | **20** | | ug/l | 5 | 20 | | 102 | 66-120 | | |
| 1,3,5-Trichlorobenzene | **21** | | ug/l | 5 | 20 | | 105 | 66-123 | | |
| 1,1-Dichloroethene | **24** | | ug/l | 1 | 20 | | 122 | 80-131 | | |
| 1,1-Dichloroethane | **21** | | ug/l | 1 | 20 | | 107 | 80-120 | | |
| 1,1,2-Trichloroethane | **23** | | ug/l | 1 | 20 | | 116 | 80-120 | | |
| 1,1,2,2-Tetrachloroethane | **21** | | ug/l | 1 | 20 | | 105 | 72-120 | | |
| 1,1,1-Trichloroethane | **22** | | ug/l | 1 | 20 | | 110 | 67-126 | | |
| 1,1,1,2-Tetrachloroethane | **22** | | ug/l | 1 | 20 | | 110 | 78-120 | | |
| 1,2,3-Trichloropropane | **21** | | ug/l | 5 | 20 | | 107 | 75-124 | | |
| 2-Butanone | **140** | | ug/l | 10 | 150 | | 95 | 59-135 | | |
| Bromodichloromethane | **22** | | ug/l | 1 | 20 | | 109 | 71-120 | | |
| Bromochloromethane | **20** | | ug/l | 5 | 20 | | 102 | 80-120 | | |
| Bromobenzene | **22** | | ug/l | 5 | 20 | | 108 | 80-120 | | |
| Acrylonitrile | **94** | | ug/l | 20 | 100 | | 94 | 60-129 | | |
| 4-Methyl-2-pentanone | **95** | | ug/l | 10 | 100 | | 95 | 62-133 | | |
| 4-Chlorotoluene | **22** | | ug/l | 5 | 20 | | 110 | 80-120 | | |
| 1,2-Dichloroethane | **22** | | ug/l | 1 | 20 | | 111 | 73-124 | | |
| 2-Chlorotoluene | **22** | | ug/l | 5 | 20 | | 109 | 80-120 | | |

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| **SW-846 8260C** | | | | | | | | | | |
| **Batch L183533AA - SW-846 5030C** | | | | | | | | | | |
| **LCS (LCSL42QL183533AA)** | | | | | Prepared & Analyzed: 19-Dec-18 | | | | | |
| Bromoform | **19** | | ug/l | 4 | 20 | | 93 | 51-120 | | |
| 2,2-Dichloropropane | **20** | | ug/l | 1 | 20 | | 100 | 55-142 | | |
| 1,4-Dioxane | **600** | | ug/l | 250 | 500 | | 119 | 63-146 | | |
| Tetrachloroethene | **22** | | ug/l | 1 | 20 | | 112 | 80-120 | | |
| 1,3-Dichloropropane | **22** | | ug/l | 1 | 20 | | 111 | 80-120 | | |
| Benzene | **22** | | ug/l | 1 | 20 | | 111 | 80-120 | | |
| 1,3,5-Trimethylbenzene | **22** | | ug/l | 5 | 20 | | 110 | 75-120 | | |
| 2-Hexanone | **94** | | ug/l | 10 | 100 | | 94 | 56-135 | | |
| Acetone | **180** | | ug/l | 20 | 150 | | 122 | 54-157 | | |
| Toluene | **23** | | ug/l | 1 | 20 | | 113 | 80-120 | | |
| trans-1,2-Dichloroethene | **22** | | ug/l | 1 | 20 | | 112 | 80-120 | | |
| trans-1,3-Dichloropropene | **21** | | ug/l | 1 | 20 | | 105 | 67-120 | | |
| trans-1,4-Dichloro-2-butene | **83** | | ug/l | 50 | 100 | | 83 | 33-143 | | |
| Trichloroethene | **22** | | ug/l | 1 | 20 | | 111 | 80-120 | | |
| Trichlorofluoromethane | **19** | | ug/l | 1 | 20 | | 95 | 55-135 | | |
| Vinyl Chloride | **17** | | ug/l | 1 | 20 | | 85 | 56-120 | | |
| Tetrahydrofuran | **120** | | ug/l | 10 | 100 | | 117 | 54-144 | | |
| *Surrogate: Dibromofluoromethane* | *50* | | ug/l | | *50* | | *101* | *80-120* | | |
| *Surrogate: 4-Bromofluorobenzene* | *49* | | ug/l | | *50* | | *98* | *80-120* | | |
| *Surrogate: Toluene-d8* | *51* | | ug/l | | *50* | | *101* | *80-120* | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *50* | | ug/l | | *50* | | *100* | *80-120* | | |
| **LCSD (LCSL42YL183533AA)** | | | | | Prepared & Analyzed: 19-Dec-18 | | | | | |
| di-Isopropyl ether | **19** | | ug/l | 1 | 20 | | 94 | 70-124 | 4 | 30 |
| Vinyl Chloride | **17** | | ug/l | 1 | 20 | | 87 | 56-120 | 3 | 30 |
| m+p-Xylene | **45** | | ug/l | 5 | 40 | | 113 | 80-120 | 1 | 30 |
| Isopropylbenzene | **23** | | ug/l | 5 | 20 | | 113 | 80-120 | 0 | 30 |
| Hexachlorobutadiene | **20** | | ug/l | 5 | 20 | | 99 | 63-120 | 0 | 30 |
| Freon 113 | **21** | | ug/l | 10 | 20 | | 105 | 73-139 | 9 | 30 |
| Ethylbenzene | **22** | | ug/l | 1 | 20 | | 112 | 80-120 | 1 | 30 |
| cis-1,3-Dichloropropene | **22** | | ug/l | 1 | 20 | | 110 | 75-120 | 2 | 30 |
| Ethyl ether | **23** | | ug/l | 5 | 20 | | 114 | 59-141 | 3 | 30 |
| Dichlorodifluoromethane | **15** | | ug/l | 1 | 20 | | 75 | 41-127 | 1 | 30 |
| Dibromochloromethane | **23** | | ug/l | 1 | 20 | | 113 | 71-120 | 3 | 30 |
| Chloroethane | **17** | | ug/l | 1 | 20 | | 86 | 55-123 | 3 | 30 |
| Trichlorofluoromethane | **18** | | ug/l | 1 | 20 | | 90 | 55-135 | 6 | 30 |
| Chloroform | **22** | | ug/l | 1 | 20 | | 111 | 80-120 | 2 | 30 |
| Tetrachloroethene | **22** | | ug/l | 1 | 20 | | 110 | 80-120 | 2 | 30 |
| cis-1,2-Dichloroethene | **23** | | ug/l | 1 | 20 | | 113 | 80-120 | 1 | 30 |
| Chloromethane | **17** | | ug/l | 1 | 20 | | 84 | 56-121 | 2 | 30 |
| Ethyl t-butyl ether | **19** | | ug/l | 1 | 20 | | 93 | 68-121 | 2 | 30 |
| t-Amyl methyl ether | **19** | | ug/l | 5 | 20 | | 97 | 66-120 | 2 | 30 |
| Methyl Tertiary Butyl Ether | **19** | | ug/l | 1 | 20 | | 97 | 69-122 | 2 | 30 |
| Methylene Chloride | **21** | | ug/l | 1 | 20 | | 107 | 80-120 | 2 | 30 |
| Naphthalene | **20** | | ug/l | 5 | 20 | | 102 | 53-124 | 4 | 30 |
| n-Butylbenzene | **21** | | ug/l | 5 | 20 | | 106 | 76-120 | 0 | 30 |
| n-Propylbenzene | **23** | | ug/l | 5 | 20 | | 115 | 79-121 | 3 | 30 |
| o-Xylene | **22** | | ug/l | 1 | 20 | | 112 | 80-120 | 3 | 30 |
| p-Isopropyltoluene | **22** | | ug/l | 5 | 20 | | 110 | 76-120 | 1 | 30 |
| Toluene | **22** | | ug/l | 1 | 20 | | 112 | 80-120 | 1 | 30 |
| Styrene | **23** | | ug/l | 5 | 20 | | 113 | 80-120 | 1 | 30 |

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| **SW-846 8260C** | | | | | | | | | | |
| **Batch L183533AA - SW-846 5030C** | | | | | | | | | | |
| **LCSD (LCSL42YL183533AA)** | | | | | Prepared & Analyzed: 19-Dec-18 | | | | | |
| Trichloroethene | **22** | | ug/l | 1 | 20 | | 110 | 80-120 | 1 | 30 |
| t-Butyl alcohol | **210** | | ug/l | 50 | 200 | | 105 | 60-130 | 4 | 30 |
| tert-Butylbenzene | **21** | | ug/l | 5 | 20 | | 103 | 78-120 | 4 | 30 |
| Dibromomethane | **22** | | ug/l | 1 | 20 | | 110 | 80-120 | 2 | 30 |
| Tetrahydrofuran | **120** | | ug/l | 10 | 100 | | 118 | 54-144 | 1 | 30 |
| Chlorobenzene | **23** | | ug/l | 1 | 20 | | 115 | 80-120 | 1 | 30 |
| trans-1,2-Dichloroethene | **23** | | ug/l | 1 | 20 | | 115 | 80-120 | 3 | 30 |
| trans-1,3-Dichloropropene | **21** | | ug/l | 1 | 20 | | 105 | 67-120 | 0 | 30 |
| trans-1,4-Dichloro-2-butene | **88** | | ug/l | 50 | 100 | | 88 | 33-143 | 6 | 30 |
| sec-Butylbenzene | **22** | | ug/l | 5 | 20 | | 111 | 77-120 | 0 | 30 |
| 1,2,4-Trichlorobenzene | **21** | | ug/l | 5 | 20 | | 106 | 63-120 | 0 | 30 |
| 1,3-Dichloropropane | **22** | | ug/l | 1 | 20 | | 112 | 80-120 | 1 | 30 |
| 1,3-Dichlorobenzene | **22** | | ug/l | 5 | 20 | | 112 | 80-120 | 1 | 30 |
| 1,3,5-Trimethylbenzene | **23** | | ug/l | 5 | 20 | | 113 | 75-120 | 2 | 30 |
| 1,3,5-Trichlorobenzene | **21** | | ug/l | 5 | 20 | | 107 | 66-123 | 2 | 30 |
| 1,2-Dichloropropane | **21** | | ug/l | 1 | 20 | | 107 | 80-120 | 1 | 30 |
| 1,2-Dichloroethane | **21** | | ug/l | 1 | 20 | | 105 | 73-124 | 5 | 30 |
| 1,2-Dichlorobenzene | **23** | | ug/l | 5 | 20 | | 114 | 80-120 | 2 | 30 |
| 1,2-Dibromoethane | **23** | | ug/l | 1 | 20 | | 114 | 77-120 | 1 | 30 |
| 1,4-Dichlorobenzene | **23** | | ug/l | 5 | 20 | | 113 | 80-120 | 3 | 30 |
| 1,2,4-Trimethylbenzene | **23** | | ug/l | 5 | 20 | | 113 | 75-120 | 1 | 30 |
| 1,2,3-Trichloropropane | **23** | | ug/l | 5 | 20 | | 115 | 75-124 | 7 | 30 |
| Carbon Tetrachloride | **21** | | ug/l | 1 | 20 | | 106 | 64-134 | 2 | 30 |
| 1,2,3-Trichlorobenzene | **21** | | ug/l | 5 | 20 | | 106 | 66-120 | 4 | 30 |
| 1,1-Dichloroethene | **22** | | ug/l | 1 | 20 | | 109 | 80-131 | 11 | 30 |
| 1,1-Dichloroethane | **21** | | ug/l | 1 | 20 | | 105 | 80-120 | 2 | 30 |
| 1,1,2-Trichloroethane | **23** | | ug/l | 1 | 20 | | 117 | 80-120 | 1 | 30 |
| 1,1,2,2-Tetrachloroethane | **22** | | ug/l | 1 | 20 | | 110 | 72-120 | 5 | 30 |
| 1,1,1-Trichloroethane | **21** | | ug/l | 1 | 20 | | 104 | 67-126 | 5 | 30 |
| 1,1,1,2-Tetrachloroethane | **22** | | ug/l | 1 | 20 | | 112 | 78-120 | 2 | 30 |
| 1,2-Dibromo-3-chloropropane | **21** | | ug/l | 5 | 20 | | 107 | 47-131 | 3 | 30 |
| Bromobenzene | **22** | | ug/l | 5 | 20 | | 112 | 80-120 | 3 | 30 |
| 1,1-Dichloropropene | **22** | | ug/l | 5 | 20 | | 109 | 78-120 | 2 | 30 |
| Carbon Disulfide | **20** | | ug/l | 5 | 20 | | 100 | 65-128 | 3 | 30 |
| Bromomethane | **15** | | ug/l | 1 | 20 | | 74 | 53-128 | 1 | 30 |
| Bromoform | **19** | | ug/l | 4 | 20 | | 96 | 51-120 | 4 | 30 |
| Bromochloromethane | **21** | | ug/l | 5 | 20 | | 103 | 80-120 | 0 | 30 |
| Benzene | **22** | | ug/l | 1 | 20 | | 110 | 80-120 | 0 | 30 |
| Acrylonitrile | **95** | | ug/l | 20 | 100 | | 95 | 60-129 | 1 | 30 |
| Acetone | **160** | | ug/l | 20 | 150 | | 105 | 54-157 | 16 | 30 |
| 4-Methyl-2-pentanone | **95** | | ug/l | 10 | 100 | | 95 | 62-133 | 0 | 30 |
| 2,2-Dichloropropane | **19** | | ug/l | 1 | 20 | | 97 | 55-142 | 3 | 30 |
| 1,4-Dioxane | **620** | | ug/l | 250 | 500 | | 125 | 63-146 | 5 | 30 |
| Bromodichloromethane | **22** | | ug/l | 1 | 20 | | 110 | 71-120 | 1 | 30 |
| 2-Hexanone | **95** | | ug/l | 10 | 100 | | 95 | 56-135 | 1 | 30 |
| 4-Chlorotoluene | **22** | | ug/l | 5 | 20 | | 112 | 80-120 | 2 | 30 |
| 2-Chlorotoluene | **23** | | ug/l | 5 | 20 | | 114 | 80-120 | 4 | 30 |
| 2-Butanone | **140** | | ug/l | 10 | 150 | | 93 | 59-135 | 3 | 30 |
| *Surrogate: 4-Bromofluorobenzene* | *50* | | ug/l | | *50* | | *100* | *80-120* | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *51* | | ug/l | | *50* | | *101* | *80-120* | | |

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| **SW-846 8260C** | | | | | | | | | | |
| **Batch L183533AA - SW-846 5030C** | | | | | | | | | | |
| **LCSD (LCSL42YL183533AA)** | | | | | | Prepared & Analyzed: 19-Dec-18 | | | | |
| *Surrogate: Toluene-d8* | *50* | | ug/l | | *50* | | *100* | *80-120* | | |
| *Surrogate: Dibromofluoromethane* | *50* | | ug/l | | *50* | | *99* | *80-120* | | |
| **LCS (LCSL43QL183533AA)** | | | | | | Prepared & Analyzed: 19-Dec-18 | | | | |
| Ethanol | **370** | J. | ug/l | 750 | 500 | | 74 | 31-180 | | |
| **LCSD (LCSL43YL183533AA)** | | | | | | Prepared & Analyzed: 19-Dec-18 | | | | |
| Ethanol | **350** | J. | ug/l | 750 | 500 | | 69 | 31-180 | 7 | 30 |
| **Blank (VBLKL42BL183533AA)** | | | | | | Prepared & Analyzed: 19-Dec-18 | | | | |
| 1,2-Dichlorobenzene | < 5 | | ug/l | 5 | | | | - | | |
| 1,1,1,2-Tetrachloroethane | < 1 | | ug/l | 1 | | | | - | | |
| 2-Chlorotoluene | < 5 | | ug/l | 5 | | | | - | | |
| 2-Butanone | < 10 | | ug/l | 10 | | | | - | | |
| 2-Hexanone | < 10 | | ug/l | 10 | | | | - | | |
| 2,2-Dichloropropane | < 1 | | ug/l | 1 | | | | - | | |
| 1,4-Dioxane | < 250 | | ug/l | 250 | | | | - | | |
| 1,4-Dichlorobenzene | < 5 | | ug/l | 5 | | | | - | | |
| 1,3-Dichloropropane | < 1 | | ug/l | 1 | | | | - | | |
| 1,3-Dichlorobenzene | < 5 | | ug/l | 5 | | | | - | | |
| 1,3,5-Trimethylbenzene | < 5 | | ug/l | 5 | | | | - | | |
| 1,3,5-Trichlorobenzene | < 5 | | ug/l | 5 | | | | - | | |
| 1,2-Dichloropropane | < 1 | | ug/l | 1 | | | | - | | |
| 1,2-Dichloroethane | < 1 | | ug/l | 1 | | | | - | | |
| 1,2-Dibromoethane | < 1 | | ug/l | 1 | | | | - | | |
| 1,2-Dibromo-3-chloropropane | < 5 | | ug/l | 5 | | | | - | | |
| 1,2,4-Trimethylbenzene | < 5 | | ug/l | 5 | | | | - | | |
| 1,2,4-Trichlorobenzene | < 5 | | ug/l | 5 | | | | - | | |
| 1,2,3-Trichloropropane | < 5 | | ug/l | 5 | | | | - | | |
| 1,2,3-Trichlorobenzene | < 5 | | ug/l | 5 | | | | - | | |
| 1,1-Dichloropropene | < 5 | | ug/l | 5 | | | | - | | |
| 1,1-Dichloroethene | < 1 | | ug/l | 1 | | | | - | | |
| 1,1-Dichloroethane | < 1 | | ug/l | 1 | | | | - | | |
| 1,1,2-Trichloroethane | < 1 | | ug/l | 1 | | | | - | | |
| 1,1,1-Trichloroethane | < 1 | | ug/l | 1 | | | | - | | |
| o-Xylene | < 1 | | ug/l | 1 | | | | - | | |
| 4-Chlorotoluene | < 5 | | ug/l | 5 | | | | - | | |
| 1,1,2,2-Tetrachloroethane | < 1 | | ug/l | 1 | | | | - | | |
| t-Amyl methyl ether | < 5 | | ug/l | 5 | | | | - | | |
| n-Butylbenzene | < 5 | | ug/l | 5 | | | | - | | |
| Freon 113 | < 10 | | ug/l | 10 | | | | - | | |
| Hexachlorobutadiene | < 5 | | ug/l | 5 | | | | - | | |
| Isopropylbenzene | < 5 | | ug/l | 5 | | | | - | | |
| m+p-Xylene | < 5 | | ug/l | 5 | | | | - | | |
| Methyl Tertiary Butyl Ether | < 1 | | ug/l | 1 | | | | - | | |
| Methylene Chloride | < 1 | | ug/l | 1 | | | | - | | |
| Naphthalene | < 5 | | ug/l | 5 | | | | - | | |
| n-Propylbenzene | < 5 | | ug/l | 5 | | | | - | | |
| p-Isopropyltoluene | < 5 | | ug/l | 5 | | | | - | | |
| Ethyl t-butyl ether | < 1 | | ug/l | 1 | | | | - | | |
| Styrene | < 5 | | ug/l | 5 | | | | - | | |
| Ethyl ether | < 5 | | ug/l | 5 | | | | - | | |
| t-Butyl alcohol | < 50 | | ug/l | 50 | | | | - | | |

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| **SW-846 8260C** | | | | | | | | | | |
| **Batch L183533AA - SW-846 5030C** | | | | | | | | | | |
| **Blank (VBLKL42BL183533AA)** | | | | | | Prepared & Analyzed: 19-Dec-18 | | | | |
| tert-Butylbenzene | < 5 | | ug/l | 5 | | | | - | | |
| Tetrachloroethene | < 1 | | ug/l | 1 | | | | - | | |
| Tetrahydrofuran | < 10 | | ug/l | 10 | | | | - | | |
| Toluene | < 1 | | ug/l | 1 | | | | - | | |
| trans-1,2-Dichloroethene | < 1 | | ug/l | 1 | | | | - | | |
| trans-1,3-Dichloropropene | < 1 | | ug/l | 1 | | | | - | | |
| trans-1,4-Dichloro-2-butene | < 50 | | ug/l | 50 | | | | - | | |
| Trichloroethene | < 1 | | ug/l | 1 | | | | - | | |
| Trichlorofluoromethane | < 1 | | ug/l | 1 | | | | - | | |
| Vinyl Chloride | < 1 | | ug/l | 1 | | | | - | | |
| sec-Butylbenzene | < 5 | | ug/l | 5 | | | | - | | |
| Chlorobenzene | < 1 | | ug/l | 1 | | | | - | | |
| Acetone | < 20 | | ug/l | 20 | | | | - | | |
| Acrylonitrile | < 20 | | ug/l | 20 | | | | - | | |
| Benzene | < 1 | | ug/l | 1 | | | | - | | |
| Bromobenzene | < 5 | | ug/l | 5 | | | | - | | |
| Bromochloromethane | < 5 | | ug/l | 5 | | | | - | | |
| Bromodichloromethane | < 1 | | ug/l | 1 | | | | - | | |
| Bromoform | < 4 | | ug/l | 4 | | | | - | | |
| Bromomethane | < 1 | | ug/l | 1 | | | | - | | |
| Carbon Disulfide | < 5 | | ug/l | 5 | | | | - | | |
| Ethylbenzene | < 1 | | ug/l | 1 | | | | - | | |
| Carbon Tetrachloride | < 1 | | ug/l | 1 | | | | - | | |
| 4-Methyl-2-pentanone | < 10 | | ug/l | 10 | | | | - | | |
| Chloroethane | < 1 | | ug/l | 1 | | | | - | | |
| Chloroform | < 1 | | ug/l | 1 | | | | - | | |
| Chloromethane | < 1 | | ug/l | 1 | | | | - | | |
| cis-1,2-Dichloroethene | < 1 | | ug/l | 1 | | | | - | | |
| cis-1,3-Dichloropropene | < 1 | | ug/l | 1 | | | | - | | |
| Dibromochloromethane | < 1 | | ug/l | 1 | | | | - | | |
| Dibromomethane | < 1 | | ug/l | 1 | | | | - | | |
| Dichlorodifluoromethane | < 1 | | ug/l | 1 | | | | - | | |
| di-Isopropyl ether | < 1 | | ug/l | 1 | | | | - | | |
| Ethanol | < 750 | | ug/l | 750 | | | | - | | |
| *Surrogate: Toluene-d8* | *49* | | ug/l | | *50* | | *99* | *80-120* | | |
| *Surrogate: Dibromofluoromethane* | *49* | | ug/l | | *50* | | *98* | *80-120* | | |
| *Surrogate: 4-Bromofluorobenzene* | *49* | | ug/l | | *50* | | *97* | *80-120* | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *49* | | ug/l | | *50* | | *99* | *80-120* | | |

## Notes and Definitions

| | |
|---|---|
| J | Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag). |
| J. | Estimated value |
| U | Analyte included in the analysis, but not detected at or above the MDL. |
| dry | Sample results reported on a dry weight basis |
| NR | Not Reported |
| RPD | Relative Percent Difference |
| OG | The required Matrix Spike and Matrix Spike Duplicate (MS/MSD) for Oil & Grease method 1664B can only be analyzed when the client has submitted sufficient sample volume. An extra liter per MS/MSD is required to fulfill the method QC criteria. Please refer to Chain of Custody and QC Summary (MS/MSD) of the Laboratory Report to verify ample sample volume was submitted to fulfill the requirement. |

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

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

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

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

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

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

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

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

Fed Ex # 8113 0089 4390 SC52491 8

eurofins | Spectrum Analytical

# CHAIN OF CUSTODY RECORD

Page 1 of 1

**Special Handling:**

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

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

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

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

Invoice To: Same

P.O No.: _____ Quote #: _____

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

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

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

G= Grab C=Compsite

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

QA/QC Reporting Notes:
* additional charges may appply

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

| Lab ID: | Sample ID: | Date: | Time: | Type | Matrix | # of VOA Vials | # of Amber Glass | # of Clear Glass | # of Plastic | Analysis: 8260 | Metals* | TSS/TDS | O+G | Cyanide | Check if chlorinated |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SC52491-01 | EFF60 120718 | 12/7/18 | 1218 | G | GW | 3 | 1 | | 4 | X | X | X | X | X | [ ] |
| -02 | INF 120718 | | 1211 | | | | 1 | | 4 | | X | X | X | X | [ ] |
| -03 | TW-1 120718 | | 1205 | | | | | | | | | | | | [ ] |
| -04 | TW-2A 120718 | | 1222 | | | | | | | | | | | | [ ] |
| -05 | TW-3 120718 | | 1215 | | | | | | | | | | | | [ ] |
| -06 | TB 120718 | — | — | — | — | 2 | | | | | | | | | [ ] |
| | | | | | | | | | | | | | | | [ ] |
| | | | | | | | | | | | | | | | [ ] |
| | | | | | | | | | | | | | | | [ ] |
| | | | | | | | | | | | | | | | [ ] |

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

| Relinquished by: | Received by: | Date: | Time: |
|---|---|---|---|
| Fedex | Fedex | 12/7/18 | 1450 |
| | | 12/10/18 | 10:48 |

Temp °C: Observed 5.5 | Correction Factor 0 | Corrected 5.5 | IR ID # 1

[ ] EDD format: _____
[ ] E-mail to: _____

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

# Batch Summary

**1815996**

*General Chemistry Parameters*

1815996-BLK1
1815996-BS1
SC52491-01 (EFF 60 120718)
SC52491-02 (INF 120718)

**1815998**

*General Chemistry Parameters*

1815998-BLK1
1815998-BS1
SC52491-01 (EFF 60 120718)
SC52491-02 (INF 120718)

**1816079**

*Extractable Petroleum Hydrocarbons*

1816079-BLK1
1816079-BS1
1816079-BSD1
SC52491-01 (EFF 60 120718)
SC52491-02 (INF 120718)

**183460571301**

*Subcontracted Analyses*

P34671AB346571301
P34671AQ346571301
SC52491-01 (EFF 60 120718)

**183480571302**

*Subcontracted Analyses*

P34871BB348571302
P34871BQ348571302
SC52491-02 (INF 120718)

**18348102101B**

*Subcontracted Analyses*

P34802AB348102101B
P34802AQ348102101B
SC52491-01 (EFF 60 120718)
SC52491-02 (INF 120718)

**183511404401**

*Subcontracted Analyses*

P35104AB351404401
P35104AQ351404401
SC52491-01 (EFF 60 120718)
SC52491-02 (INF 120718)

**L183533AA**

*Subcontracted Analyses*

LCSL42QL183533AA
LCSL42YL183533AA
LCSL43QL183533AA
LCSL43YL183533AA
SC52491-01 (EFF 60 120718)
SC52491-02 (INF 120718)
SC52491-03 (TW-1 120718)
SC52491-04 (TW-2A 120718)
SC52491-05 (TW-3 120718)
SC52491-06 (TB 120718)
VBLKL42BL183533AA